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TABLE OF CONTENTS

	Page
CALENDAR	5
FOUNDATION AND ENDOWMENT.....	7
GOVERNMENT AND BOARD OF TRUSTEES.....	7
THE UNIVERSITY AND THE FACULTIES.....	10
OFFICERS OF INSTRUCTION AND OF ADMINISTRATION.....	11
ADMISSION TO THE UNDERGRADUATE COLLEGES.....	45
PAYMENTS TO THE UNIVERSITY.....	52
THE GRADUATE SCHOOL.....	55
THE COLLEGE OF ARTS AND SCIENCES.....	76
THE COLLEGE OF LAW.....	108
THE MEDICAL COLLEGE.....	112
THE VETERINARY COLLEGE.....	127
THE COLLEGE OF AGRICULTURE.....	133
THE COLLEGE OF ARCHITECTURE.....	156
THE COLLEGE OF CIVIL ENGINEERING.....	163
THE SIBLEY COLLEGE OF MECHANICAL ENGINEERING.....	169
THE UNIVERSITY LIBRARIES.....	178
SCHOLARSHIPS AND PRIZES.....	181
HOLDERS OF FELLOWSHIPS AND OF SCHOLARSHIPS.....	189
MILITARY SCIENCE AND TACTICS, ETC.....	194
BENEFICIARY FUNDS.....	196
SUMMER TERM, 1919.....	198
ALUMNI ORGANIZATIONS.....	199
THE SUMMER SESSION.....	209
THE FIFTY-FIRST ANNUAL COMMENCEMENT.....	226
THE FIFTY-SECOND ANNUAL COMMENCEMENT.....	236
CATALOGUE OF STUDENTS.....	251
SUMMARIES OF REGISTRATION.....	324
STUDENTS IN THE SUMMER SESSION.....	326
STUDENTS IN THE WINTER COURSES.....	358
INDEX OF SUBJECTS AND OF NAMES.....	363

JULY							AUGUST							SEPTEMBER						
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CALENDAR

First Term, 1919-1920

Sept. 19	Friday	Entrance examinations begin.
Sept. 29	Monday	Academic year begins. Registration of new students. Scholarship examinations begin. Instruction begins in the Medical College in New York City.
Sept. 29	Monday	Registration of new students.
Sept. 30	Tuesday	Registration of old students.
Oct. 1	Wednesday	Instruction begins in all departments of the University in Ithaca. President's annual address to the students at 12 m.
Oct. 2	Thursday	Last day for payment of tuition.
Oct. 21	Tuesday	Winter Courses in Agriculture begin.
Nov. 5	Wednesday	Thanksgiving Recess.
Nov. 27	Thursday	The latest date for announcing subjects of theses for advanced degrees in June.
Dec. 20	Saturday	Instruction ends } Christmas Recess.
Jan. 5	Monday	Instruction resumed }
Jan. 11	Sunday	Founder's Day.
Jan. 12	Monday	The '94 Memorial Prize Competition.
Jan. 31	Saturday	Instruction ends.
Feb. 2	Monday	Term examinations begin.

Second Term, 1919-1920

Feb. 13	Friday	Winter Courses in Agriculture end.
Feb. 14	Saturday	Registration of all students.
Feb. 16	Monday	Instruction begins.
Mar. 5	Friday	Last day for payment of tuition.
Mar. 15	Monday	The latest date for filing applications for fellowships and scholarships in the Graduate School.
Mar. 31	Wednesday	Instruction ends } Spring Recess.
Apr. 6	Tuesday	Instruction resumed }
Apr. 6	Tuesday	The latest date for presenting Woodford Orations.
May 7	Friday	The Woodford Prize Competition.
May 22	Saturday	Navy Day.
May 24	Monday	The '86 Memorial Prize Competition.
June 9	Wednesday	Term examinations begin.
June 10	Thursday	Commencement of the Medical College in New York City.
June 23	Wednesday	Fifty-Second Annual Commencement.
Aug. 2	Monday	Latest date for announcing subjects of theses for advanced degrees in February.

Summer Term (in the College of Agriculture) 1919-1920

June 19	Saturday	Registration.
June 21	Monday	Instruction begins.
Sept. 11	Saturday	Term ends.

Summer Session, 1920

July 3	Saturday	Summer Session begins.
Aug. 13	Friday	Summer Session ends.

Summer School in Agriculture, 1920

July 3	Saturday	Summer School begins.
Aug. 13	Friday	Summer School ends.

CORNELL UNIVERSITY

FOUNDATION AND ENDOWMENT

"I would found an institution where any person can find instruction in any study."—EZRA CORNELL.

Cornell University was incorporated by the legislature of the State of New York on April 27, 1865, and to the University there were appropriated the proceeds of the sale of land scrip representing nine hundred and ninety thousand acres of public lands granted to the State in accordance with the provisions of an Act of Congress, approved on July 2, 1862. The amount realized from the State's sale of this land scrip was \$688,576.12.

Toward the endowment and maintenance of the new university, Ezra Cornell, at its foundation, donated \$500,000, and two hundred acres of land with useful buildings, along with several smaller gifts for special purposes.

A large portion of the land scrip sold by the State of New York was purchased by Ezra Cornell under contract providing that the profits derived from the sale of the lands should accrue to Cornell University. Under this contract of purchase, and by the wise administration of Ezra Cornell and the Board of Trustees through its Land Committee, of which Henry W. Sage was for many years chairman, Cornell University has up to July 1, 1919, realized \$5,047,863.39.

Cornell University was opened on October 7, 1868.

The lands and buildings and the equipment of the University have an estimated value of \$8,756,610.83. The productive and other funds of the University amount to \$16,701,777.37.

The current income of the University for the year 1918-1919 was \$3,526,439.92. Of this amount, \$888,393.51 consisted of tuition and laboratory fees; \$1,031,754.83 was appropriated by the State of New York for the College of Agriculture and the Veterinary College; the residue of \$1,606,291.58 came from general investments and from miscellaneous sources. Donations and gifts during the year amounted to \$819,077.29.

The total expenses of the University for the corresponding period were \$3,402,877.71. The salaries of members of the instructing staff amounted to \$1,110,894.61; departmental expenses were \$615,715.63.

A detailed statement of the finances of the University is included in the annual report of the Comptroller, which accompanies the annual report of the President; this may be had gratis on application to the Secretary of the University.

GOVERNMENT OF THE UNIVERSITY

The government of Cornell University is vested in a President elected by the Board of Trustees, and a Board of Trustees, consisting of the President of the University and forty-two other members, of whom seven are ex officio, viz.: the Governor of the State of New York, the Lieutenant-Governor, the Speaker of the Assembly, the Commissioner of Education, the Commissioner of Agri-

culture, the President of the State Agricultural Society, and the Librarian of the Cornell Library. The eldest lineal male descendant of Ezra Cornell is a trustee during his life. Of the remaining thirty-four members, fifteen are elected by co-optation for a term of five years, ten are elected by the alumni of Cornell University to serve for five years, five are appointed by the Governor of the State of New York for the same term of service, three are elected by the University Faculty for terms of one, two, and three years, and one is annually elected by the State Grange.

BOARD OF TRUSTEES

Frank H. Hiscock, Chairman

The President of the University.....	J. G. Schurman, Ithaca
The Governor of New York.....	Alfred E. Smith, Albany
The Lieutenant-Governor.....	Harry C. Walker, Albany
The Speaker of the Assembly.....	Thaddeus C. Sweet, Albany
The Commissioner of Education.....	John H. Finley, Albany
The Commissioner of Agriculture.....	Charles S. Wilson, Albany
The President State Agr. Society.....	Whitman Howard Jordan, Geneva
The Librarian of the Cornell Library, (City).....	Ebenezer T. Turner, Ithaca
Charles Ezra Cornell.....	Ithaca
*Henry R. Ickelheimer (B) ..	Box 754, City Hall Station, New York City
*Charles M. Schwab (B) ..	111 Broadway, New York City
*Emmons L. Williams (B) ..	Ithaca
*Henry J. Patten (A) ..	111 W. Jackson Blvd., Chicago
*Louis L. Seaman (A) ..	247 Fifth Ave., New York City
*Horace White (G) ..	White Memorial Bldg., Syracuse
Ira A. Place (B) ..	Grand Central Terminal, New York City
Walter P. Cooke (B) ..	Marine Bank Bldg., Buffalo
Frank H. Hiscock..... (B) ..	Court House, Syracuse
James H. Edwards (A) ..	30 Church St., New York City
Herbert D. Mason (A) ..	903 Gallais Bldg., Tulsa, Okla.
Frank H. Miller (G) ..	146 West 54th St., New York City
Jared T. Newman (B) ..	Ithaca
Robert H. Treman (B) ..	Ithaca
Myn. derse Van Cleef (B) ..	Ithaca
Mrs Harriet Moody (A) ..	2970 Ellis Ave., Chicago
John C. Westervelt (A) ..	36 West 34th St., New York City
Thomas B. Wilson (G) ..	Hall, N. Y.
Charles E. Treman..... (B) ..	Ithaca
Henry H. Westinghouse (B) ..	165 Broadway, New York City
Roger B. Williams (B) ..	Ithaca
Cuthbert W. Pound (A) ..	Court House, Lockport
John L. Senior (A) ..	246 Wildwood Ave., Jackson, Mich.
J. Du Pratt White (G) ..	14 Wall St., New York City
Charles H. Blood (B) ..	Ithaca
Henry W. Sackett (B) ..	Tribune Bldg., New York City

*Term of office expires in 1920, the next group of six in 1921, etc. B, elected by Board; A, elected by Alumni; G, appointed by Governor; Gr, elected by State Grange for 1919-1920.

C. Sidney Shepard(B).	New Haven, Oswego Co., N. Y.
Edwin N. Sanderson(A)..	60 Broadway, New York City
Roger H. Williams(A).	Nat'l Bank of Commerce, New York City
George A. Blauvelt(G).	61 Broadway, New York City
William F. Pratt(Gr) ..	206 State St., Batavia, N. Y.

FACULTY REPRESENTATIVES

John H. Comstock.	Ithaca
Dexter S. Kimball.	Ithaca
Walter F. Willcox.	Ithaca

OFFICERS

J. G. Schurman.	President
Charles D. Bostwick.	Comptroller
David F. Hoy.	Registrar
Charles E. Curtis.	Superintendent of Buildings and Grounds
Woodford Patterson.	Secretary of the University
Charles D. Bostwick.	Secretary of the Board of Trustees

STANDING COMMITTEES OF THE BOARD OF TRUSTEES

Committee on General Administration: Mynderse Van Cleef, Chairman, J. G. Schurman, Charles E. Cornell, Roger B. Williams, James H. Edwards, Thomas B. Wilson, H. H. Westinghouse, Charles E. Treman, Cuthbert W. Pound, Robert H. Treman, Herbert D. Mason.

Committee on Finance: Roger B. Williams, Chairman, J. G. Schurman, Robert H. Treman, H. R. Ickelheimer, C. Sidney Shepard, E. L. Williams.

Committee on Buildings and Grounds: James H. Edwards, Chairman, J. G. Schurman, John C. Westervelt, Henry W. Sackett, Charles H. Blood, J. Du Pratt White, Walter P. Cooke.

Agricultural College Council: J. G. Schurman, Chairman, Thomas B. Wilson, Frank H. Miller, George A. Blauvelt, J. Du Pratt White, Horace White, C. Fred Boshart, Charles S. Wilson, William F. Pratt, Jared T. Newman, Albert R. Mann, John C. Westervelt, H. H. Wing, Rollin A. Emerson.

Medical College Council: J. G. Schurman, Chairman, H. R. Ickelheimer, H. H. Westinghouse, Ira A. Place, Walter L. Niles, Lewis A. Connor.

Veterinary College Council: J. G. Schurman, Chairman, Thomas B. Wilson, Frank H. Miller, J. Du Pratt White, George A. Blauvelt, Horace White, C. Fred Boshart, Charles S. Wilson, William F. Pratt, Jared T. Newman, John C. Westervelt, Veranus A. Moore, Pierre A. Fish.

CORNELL UNIVERSITY

1. **The University.** Cornell University comprehends the Graduate School; the College of Arts and Sciences; the College of Law; the Medical College (including the Medical College in New York City and the Ithaca Division of the Medical College); the New York State Veterinary College; the New York State College of Agriculture; the College of Architecture; the College of Civil Engineering; and the Sibley College of Mechanical Engineering and Mechanic Arts. The New York State College of Agriculture and the New York State Veterinary College are administered by Cornell University, and their work is organically connected with that of the University.

2. **The University Faculty.** The University Faculty consists of the President of the University, who is ex officio the presiding officer, and the Professors and Assistant Professors who are members of the special faculties, the Librarian and the Assistant Librarians in the University Library, the Registrar, the Secretary of the University, and the Adviser of Women. The Professors and Assistant Professors in the departments of (1) Military Science and Tactics, (2) Physical Education and Training, and (3) Hygiene and Preventive Medicine are not members of any special Faculty but are members of the University Faculty. It is the function of the University Faculty to consider questions which concern more than one college and questions of University policy; and it has disciplinary jurisdiction over students of the University except for unsatisfactory work, for which, discipline is entrusted to the respective special faculties.

3. **The Faculty of the Graduate School.** The Faculty of the Graduate School consists of the President, who is ex officio the presiding officer, and all Professors and Assistant Professors who are actively engaged in supervising the work of graduate students as members of the special committees in charge of major and minor subjects. Instructors who hold the Doctor's degree are also eligible for membership on the special committees in charge of the work of graduate students.

4. **The College Faculties.** Each special faculty, except that of the Graduate School, is composed of the President, who is ex officio the presiding officer, and all Professors, Assistant Professors, and Instructors who give instruction to regular students in the department or departments under the charge of that Faculty, or to graduate students in the corresponding division of the Graduate School, but instructors do not have the right to vote until after four years of service as such. The Librarian of the College of Agriculture is a member of the Faculty of Agriculture but not a member of the University Faculty. The Secretary of the Ithaca Division of the Medical College, who is the executive officer thereof, is a member ex officio of the Faculty of Medicine in New York City, and the Dean of the Medical College in New York City is a member ex officio of the Faculty of Medicine in Ithaca. Subject to the right of revision by the University Faculty on all matters affecting general University policy, it is the duty of each special faculty to determine the entrance requirements for its own students; to prescribe and define courses of study for them; to determine the requirements for such degrees as are offered to students under its jurisdiction; to enact and enforce rules for the guidance and government of its students in their university work; to recommend to the Trustees such candidates for degrees as have fulfilled the requirements; and in general to exercise jurisdiction over all other educational matters in its college

OFFICERS OF INSTRUCTION AND ADMINISTRATION

THE UNIVERSITY FACULTY AND THE SEPARATE FACULTIES

- Schurman, Jacob Gould, A.M., D.Sc., LL.D., President of the University, 1892.
Professor of Philosophy, 1886.
- Adams, Bristow, B.A., Professor of Extension, Information Service, 1914.
- Adams, Joseph Quincy, jr., A.B., A.M., Ph.D., Litt.D., Professor of English, 1919.
Instructor, 1904; Assistant Professor, 1909.
- Albee, Ernest, A.B., Ph.D., Professor of Philosophy, 1907.
Instructor, 1892; Assistant Professor, 1902.
- Albert, Calvin Dodge, M.E., Professor of Machine Design, 1916.
Instructor, 1904; Assistant Professor of Machine Design, 1908.
- Alexander, William Prindle, Instructor in Entomology, 1918. Assistant, 1916.
- Allen, Arthur Augustus, A.B., A.M., Ph.D., Assistant Professor of Ornithology, 1915. Assistant in Neurology and Vertebrate Zoology, 1906-1907; Instructor, 1909.
Instructor in Zoology, 1912.
- Allen, Charles Loring, A.B., M.S.A., Instructor in Animal Husbandry, 1918.
Assistant 1916.
- Allen, James Stevenson, M.D., Assistant Professor of Hygiene and Preventive Medicine, 1919.
- Anderson, Ernest Gustaf, B.Sc.A., Instructor in Plant Breeding, 1918. Assistant, 1915.
- Anderson, Rudolph John, Ph.D., Professor of Animal Nutrition, 1920.*
- Andrews, Albert LeRoy, A.B., A.M., Ph.D., Assistant Professor of German, 1918.
Instructor in German and Scandinavian, 1909.
- Andrews, Eugene Plumb, A.B., Professor of Archaeology, 1919; and Curator of the Museum of Casts, 1897. Instructor, 1900; Assistant Professor, 1911.
- Artschwager, Ernst F., B.S., Ph.D., Instructor in Botany, 1919. Assistant, 1918.
- Asmus, Henry, Assistant Professor of Farriery, 1914.
- Atwood, Leland Leavitt, A.B., Instructor in the Romance Languages and Literatures, 1919.
- Auer, Johannes Abraham Christoffel Fagginger, B.D., Instructor in the Romance Languages and Literatures, 1918.
- Auer, W. Fagginger, Instructor in Physical Education, 1919.
- Austen, Willard, Librarian, 1915. Assistant Librarian, 1892.
- Axtell, F. M., Instructor in Rural Education, 1919.
- Bailey, Harold Capron, M.D., Instructor in Obstetrics, 1910. New York City.
Clinical Instructor in Surgery, 1906; Instructor in Pharmacology, 1907.
- Baker, William Charles, B.S.A., Professor of Drawing in the College of Agriculture, 1914. Instructor in Drawing in Sibley College, 1899-1904; Instructor in Outdoor Art in the College of Agriculture, 1905-1906; Assistant Professor of Drawing, 1907.
- Ballard, William Cyrus, jr., M.E., Assistant Professor of Electrical Engineering, 1917. Instructor in Machine Design, 1910; Instructor in Electrical Engineering, 1911.
- Bancroft, Wilder Dwight, A.B., Ph.D., Professor of Physical Chemistry, 1903.
(Absent on leave.) Assistant Professor, 1895.
- Bangs, John Robert, jr., Instructor in Machine Design, 1919.
- Banner, Erford Lynn, B.S., Instructor in Poultry Husbandry, 1918.
Assistant, 1915.
- Barnard, William Nichols, M.E., Professor of Power Engineering, 1915.
Assistant in Machine Design, 1897; Instructor, 1898-1900; Assistant Professor, 1903; Assistant Professor of Steam Engineering, 1905; Professor, 1907

*By affiliation with the New York State Agricultural Experiment Station at Geneva.

- Barnes, Fred Asa, C.E., M.C.E., Professor of Railroad Engineering, 1915. Instructor in Civil Engineering, 1902; Assistant Professor of Railroad Engineering, 1905.
- Barr, David Preswick, A.B., M.D., Instructor in Medicine, 1916. New York City.
- Barringer, Benjamin Stockwell, B.S., M.D., Clinical Instructor in Surgery, Department of Urology, 1914. New York City. Assistant, 1906-1907.
- Barrows, David Nye, M.D., Instructor in Clinical Surgery. Department of Gynecology, 1916. New York City. Assistant in Clinical Surgery, Department of Gynecology, 1916.
- Barrus, Mortier Franklin, B.A., Ph.D., Extension Professor of Plant Pathology, 1914. (Absent on leave.) Assistant, 1908; Assistant Professor, 1911.
- Barton, Frank Arthur, M.E. in E.E., Professor of Military Science and Tactics, 1917. Professor of Military Science and Tactics, 1904-1908.
- Bason, George Francis, B.E., M.E., Instructor in Electrical Engineering, 1916.
- Baxter, Hubert E., B.Arch., Instructor in Architecture, 1911.
- Bayley, Paul Lavern, B.A., M.A., Instructor in Physics, 1919.
- Beal, Alvin Casey, B.S., M.S. in Agr., Ph.D., Professor of Floriculture, 1913. Assistant, 1910; Assistant Professor, 1911.
- Bechtel, Albert Reiff, B.S., A.M., Instructor in Botany, 1915.
- Becker, Carl, B.Litt., Professor of Modern European History, 1917.
- Becker, Joseph Adam, A.B., Instructor in Physics, 1919. Assistant, 1918.
- Bedell, Frederic, A.B., Ph.D., Professor of Applied Electricity, 1904. Assistant in Physics, 1892; Assistant Professor, 1893.
- Beekman, Fenwick, M.D., Instructor in Operative Surgery, 1914, and Assistant in Clinical Surgery, 1916. New York City.
- Benedict, Stanley R., Ph.D., Professor of Chemistry, 1912. New York City Assistant Professor, 1910.
- Benjamin, Earl Whitney, B.S. in Agr., M.S. in Agr., Ph.D., Assistant Professor of Poultry Husbandry, 1914. Assistant, 1910; Instructor, 1911.
- Benner, James William, D.V.M., Instructor in Special Research in Animal Diseases, 1919.
- Bennett, Charles Edwin, A.B., Litt.D., Goldwin Smith Professor of Latin, 1912. Professor, 1892.
- Benson, Charles Beverley, C.E., Instructor in Mechanics, 1919.
- Bentley, John, jr., B.S., M.F., Professor of Forest Engineering, 1918. Assistant Professor of Forestry, 1911.
- Betten, Cornelius, M.A., Ph.D., Professor, Secretary, and Registrar, College of Agriculture, 1915.
- Bidwell, Charles Clarence, A.B., Ph.D., Assistant Professor of Physics, 1917. Assistant, 1910, Instructor, 1912-1914, 1915-1917.
- Binzel, Cora Ella, Acting Professor of Rural Education, 1919.
- Birch, Raymond Russell, B.S., D.V.M., Ph.D., Assistant Professor and Superintendent of the Veterinary Experiment Station, 1916. Assistant, 1910; Instructor in Experimental Pathology, 1910; Instructor in charge of Station, 1911; Superintendent of Station, 1914.
- Bittner, Stanley Franklin, B.S. in Agr., Instructor in Animal Husbandry, 1919.
- Bizzell, James Adrian, B.S., M.S., Ph.D., Professor of Soil Technology in the College of Agriculture and Federal Experiment Station, 1912. Assistant Chemist, 1903; Assistant Professor of Soil Technology, in the Federal Experiment Station, 1908.
- Blackmore, Beulah, B.S., Assistant Professor of Home Economics, 1917. Instructor, 1915.
- Blaker, Ernest, B.S., Ph.D., Professor of Physics, 1917. (Absent on leave.) Assistant, 1898; Instructor, 1901; Assistant Professor, 1903.
- Blodgett, Forest Milo, Ph.D., Assistant Professor of Plant Pathology, 1919. Assistant Professor, 1915-1917; Assistant Extension Professor, 1917-1919.

- Böcker, Helen, A.B., Instructor in Physical Education, 1919.
- Bodansky, Aaron, B.S., Instructor in Biochemistry, 1917. Assistant, 1916.
- Boesche, Albert Wilhelm, A.B., Ph.D., Professor of German, 1915. (Absent on leave, second term.) Instructor, 1905-1906; Assistant Professor, 1910.
- Bogert, George Gleason, A.B., LL.B., Professor of Law, 1916.
Assistant in American History, 1906-1908; Acting Assistant Professor of Law, 1911; Assistant Professor of Law, 1913.
- Boller, A. J., M.D., Instructor in Operative Surgery, 1919. New York City.
- Bosworth, Francke Huntington, jr., A.B., Dean of the College of Architecture and Professor of Design, 1919.
- Bowen, Ward Culver, A.B., A.M., Instructor in Mineralogy, 1919. Assistant, 1919.
- Boys, Jessie Austin, B.S., Instructor in Home Economics, 1917.
- Bradley, James Chester, A.B., M.S., Ph.D., Assistant Professor of Entomology, 1911, and Curator of Invertebrate Zoology, 1919. Assistant, 1905-1909.
- Brannon, James Marshall, B.A., A.M., Instructor in Botany in the New York State College of Agriculture, 1915.
- Brauner, Olaf Martinus, Professor of Drawing and Painting in the College of Architecture, 1909. Instructor, 1895; Assistant Professor, 1898.
- Breed, Robert Stanley, Ph.D., Professor of Dairy Industry, 1920.*
- Brenner, Edward C., M.D., Instructor in Operative Surgery, 1919. New York City.
- Bretz, Julian Pleasant, A.B., Ph.D., Professor of American History, 1910.
Assistant Professor, 1908.
- Briggs, Thomas Roland, A.B., Ph.D., Assistant Professor of Physical Chemistry and Electro-chemistry, 1915. Assistant, 1909-1912.
- Brink, Charles G., M.D., Instructor in Clinical Medicine, 1918. New York City.
- Bristol, George Prentice, A.B., A.M., Professor of Greek, 1898.
Assistant Professor, 1888; Associate Professor, 1890; Director of the School of Education, 1910-1916; Director of the Summer Session, 1905-1918.
- Bronson, Wesley Hotchkiss, B.S., Instructor in Farm Management, 1920.
- Broughton, Leslie Nathan, A.B., A.M., Ph.D., Assistant Professor of English, 1916. Instructor, 1910.
- Browne, Arthur Wesley, B.S., M.S., Ph.D., Professor of Inorganic and Analytical Chemistry, 1910. Instructor, 1903; Assistant Professor, 1906.
- Brundage, Walter H., M.D., Instructor in Medicine, 1917. New York City.
Assistant, 1915.
- Buckman, Harry Oliver, M.S.A., Ph.D., Professor of Soil Technology, 1917.
Assistant, 1910; Instructor, 1912; Assistant Professor, 1912.
- Bulkley, Kenneth, M.D., Instructor in Clinical Surgery, 1915. New York City.
- Burdick, Charles Kellogg, A.B., LL.B., Professor of Law, 1914.
- Burlage, Stanley Ross, B.S., Instructor in Physiology, 1919. Assistant, 1916.
- Burnham, LeRoy P., S.B., M.S. in Arch., Assistant Professor of Architecture, 1914.
- Burr, George Lincoln, A.B., LL.D., Litt.D., Librarian, President White Library, 1890; The John Stambaugh Professor of History, 1919.
Instructor in Modern History, 1881-1884; Instructor in Anglo-Saxon, 1886-1887; Instructor in Medieval and Modern History, 1888; Assistant Professor of History, 1889; Assistant Professor of Ancient and Medieval History, 1890; Associate Professor, 1891; Professor, 1892; Professor of Medieval History, 1902.
- Burritt, Maurice Chase, B.S. in Agr., M.S.A., Vice-Director of Extension and Professor in Extension Service, 1917. Extension Professor and State Director of Farm Bureaus, 1914.
- Burrows, Earle Nelson, C.E., M.C.E., Assistant Professor of Bridge Engineering, 1915. Instructor in Civil Engineering, 1910.

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- Butler, Mosher Owen, B.S., Instructor in Vegetable Gardening, 1919.
Extension Instructor, 1919.
- Butterworth, Julian Edward, B.A., M.A., Ph.D., Professor of Rural Education, 1919.
- Campbell, Alan Ditchfield, A.M., Instructor in Mathematics, 1919.
- Canfield, Ellen Brainard, Instructor in Physical Education, 1917.
Instructor in Physical Training, 1894.
- Caplan, Harry, B.A., M.A., Instructor in Public Speaking, 1919.
- Card, Leslie Ellsworth, B.S., Instructor in Poultry Husbandry, 1919.
- Carpenter, Charles Milton, D.V.M., Instructor in Diagnosis, Department of Pathology and Bacteriology, Veterinary College, 1917.
- Carroll, Charles Antoninus, A.B., Instructor in English, 1919.
Reader, 1909; Instructor, 1911-1917.
- Carver, Walter Buckingham, Ph.B., Ph.D., Assistant Professor of Mathematics, 1910. Instructor, 1906.
- Cavanaugh, George Walter, B.S., Professor of Chemistry in its Relations to Agriculture, 1909. Assistant, 1891; Assistant Professor, 1903.
- Cecil, Russell L., Instructor in Medicine and Assistant in Clinical Pathology, 1916.
New York City.
- Chamberlain, George Ray, M.E., Assistant Professor of Freehand Drawing in the College of Architecture, 1915. Instructor in Industrial Drawing and Art, 1902-1904; Instructor in Freehand Drawing in the College of Architecture, 1906.
- Chamberlain, Robert Franklin, M.E., Instructor in Electrical Engineering, 1911.
- Chambers, Robert, jr., M.D., Assistant Professor of Anatomy, 1919. New York City. Assistant, 1915; Instructor, 1916.
- Chamot, Emile Monnin, B.S., Ph.D., Professor of Chemical Microscopy and Sanitary Chemistry, 1910.
Assistant, 1890; Instructor, 1891; Assistant Professor 1901.
- Chandler, Bernard Albert, B.S., M.S., Assistant Professor of Forest Utilization, 1917.
- Chandler, William Henry, B.S. in Agr., M.S. in Agr., Ph.D., Professor of Pomology, 1916. Professor of Research in Pomology, 1913.
- Chao, Yuen Ren, A.B., Ph.D., Instructor in Physics, 1919.
- Cheney, Clarence O., M.D., Clinical Instructor in Medicine, Department of Psychiatry, 1917. New York City.
- Church, Irving Porter, B.C.E., C.E., Emeritus Professor of Applied Mechanics and Hydraulics, 1916.
Assistant Professor of Civil Engineering, 1876; Associate Professor, 1891; Professor of Applied Mechanics and Hydraulics, 1892-1916.
- Cilley, Arthur H., M.D., Clinical Instructor in Surgery, Department of Orthopedics, 1913. New York City.
- Claassen, Peter Walter, A.B., A.M., Assistant Professor of Biology, 1919.
Assistant in Entomology, 1915; Instructor in Natural History, 1917.
- Clark, Roy Edwards, M.E., Assistant Professor of Heat-Power Engineering, 1919.
Instructor, 1913.
- Cleary, Stephen Farrell, Instructor in Machine Design, 1919.
- Coca, Arthur F., M.D., Instructor in Immunology, 1917. New York City.
Instructor in Experimental Pathology, 1911; Instructor in Pathology, 1915.
- Cole, Lewis G., M.D., Professor of Roentgenology, 1913. New York City.
Instructor, 1911.
- Coleman, George L., Instructor in Music, 1919.
- Coley, William B., A.B., A.M., M.D., Professor of Clinical Surgery, Department of Surgery, 1909. New York City.
- Collins, Jacob Roland, B.S., M.S., Instructor in Physics, 1918.
- Collison, Reginald Clifton, M.S., Professor of Soil Technology, 1920.*

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- Colucci, Frank, A.B., Instructor in the Romance Languages and Literatures, 1919. Instructor, 1916-1917.
- Comstock, Anna Botsford, B.S., Assistant Professor of Nature Study, 1913. Assistant in Nature Studies, 1897; Lecturer in Nature Study, 1903; Lecturer in Extension Teaching, 1906; Lecturer in Nature Study, 1907.
- Comstock, John Henry, B.S., Emeritus Professor of Entomology, and General Invertebrate Zoology, 1914. Instructor in Entomology, 1873; Assistant Professor, 1876; Professor, 1882.
- Conner, Lewis Atterbury, Ph.B., M.D., Professor of Medicine, 1916. New York City. Instructor, 1898; Professor of Clinical Medicine, 1900.
- Conwell, Walter Lichtenthaeler, C.E., Assistant Professor of Railroad Engineering, 1915. Instructor in Civil Engineering, 1911.
- Cooper, Lane, A.B., A.M., Ph.D., Professor of the English Language and Literature, 1915. Instructor in English, 1902; Assistant Professor, 1906.
- Cornell, Walter Rodney, B.S., Assistant Professor of Mechanics of Engineering, 1920. Instructor in Civil Engineering, 1909; Instructor in Mechanics of Engineering, 1910.
- Cornell, William Bouck, M.E., Instructor in Machine Design, 1918. Instructor in Civil Engineering, 1908-1909; Instructor in Machine Design 1910-1911.
- Craig, Clyde Firman, A.B., Ph.D., Assistant Professor of Mathematics, 1915. Assistant, 1906; Instructor, 1907.
- Crandall, Carl, C.E., Instructor in Civil Engineering, 1913.
- Crane, Thomas Frederick, A.B., A.M., Ph.D., Litt.D., Emeritus Professor of the Romance Languages and Literatures, 1909. Assistant Professor of South European Languages, 1868; Professor of Italian and Spanish, 1873; Professor of the Romance Languages and Literatures, 1881; Dean of the Faculty of Arts and Sciences, 1896-1902; Acting President of the University, 1899-1900; 1912-1913; Dean of the University Faculty, 1901.
- Creighton, James Edwin, A.B., Ph.D., LL.D., Sage Professor of Logic and Metaphysics, 1895. Dean of the Graduate School, 1914. Instructor in Philosophy, 1889; Associate Professor of Modern Philosophy, 1892.
- Crosby, Cyrus Richard, A.B., Extension Professor of Entomology, 1913. Entomologist, 1906; Assistant Professor of Entomological Investigations, 1909.
- Crosby, Dick J., B.S., M.S., Professor in Extension Service, 1917. Professor of Extension Teaching, 1915.
- Cross, Lewis Josephus, A.B., Ph.D., Professor of Chemistry in its Relations to Agriculture, 1914. (Absent on leave, first term.) Assistant in Chemistry, 1908; Instructor in Agricultural Chemistry, 1909; Assistant Professor, 1912.
- Curtis, Otis Freeman, A.B., M.S., Ph.D., Assistant Professor of Botany, 1917. Assistant in the Farm Course, 1912; Instructor in Botany, 1913.
- Curtis, Ralph Wright, B.S.A., M.S.A., Professor of Landscape Art, 1916. Assistant in Nature Study, 1905-1906; Assistant Professor, 1913.
- Curtiss, Leon Francis, A.B., Instructor in Physics, 1918.
- Dagnall, Clarence Herschel, S.B., Instructor in Electrical Engineering, 1919.
- Dallenbach, Karl M., A.B., A.M., Ph.D., Instructor in Psychology, 1919. Instructor, 1916-1918.
- Dana, Charles Loomis, A.M., M.D., Professor of Clinical Medicine, Department of Neurology, 1898. New York City.
- Dann, Hollis Ellsworth, Mus.D., Professor of Music, 1907. Instructor, 1903; Assistant Professor, 1904.
- Davenport, Herbert Joseph, Ph.B., Ph.D., Professor of Economics, 1916.
- Davis, Adam Clarke, jr., M.E., Assistant Professor of Experimental Engineering, 1919. Instructor, 1914-1917; 1919.
- Davis, E. Gorton, B.S., Professor of Landscape Art, 1916. (Absent on leave, second term.) Assistant Professor of Rural Art, 1911; Assistant Professor of Landscape Art, 1912.

- DeGarmo, Charles, Ph.D., Emeritus Professor of the Science and Art of Education, 1914. Professor, 1898; Dean of the Summer Session, 1898-1905.
- Dennis, Frederick Shepard, A.B., M.D., F.R.C.S., Emeritus Professor of Clinical Surgery, 1910. New York City. Professor, 1898.
- Dennis, Louis Munroe, Ph.B., B.S., Professor of Inorganic Chemistry, 1903. Instructor in Chemistry, 1887-1889; Assistant Professor of Analytical Chemistry, 1891; Associate Professor, 1894; Professor, 1900.
- Denzer, B. S., Instructor in Pediatrics, 1919. New York City.
- Detwiler, John Detweiler, B.A., M.A., Instructor in Entomology, 1919. Assistant, 1918.
- Diederichs, Herman, M.E., Professor of Experimental Engineering, 1907; in charge of the Mechanical Laboratory, 1910; Secretary of Sibley College, 1919. (Absent on leave, second term.) Assistant, 1898; Instructor, 1899; Assistant Professor, 1902.
- Dimock, George E., Instructor in Latin, 1919.
- Downs, Paul Andrew, B.S., Instructor in Dairy Industry, 1918.
- Drummond, Alexander M., A.B., A.M., Assistant Professor of Public Speaking, 1916. (Absent on leave.) Instructor, 1907.
- DuBois, Eugene F., M.D., Associate Professor of Medicine, 1919. New York City. Instructor in Applied Pharmacology, 1910; Lecturer in Clinical Physiology, 1913; Assistant Professor, 1917.
- Durham, Charles Love, M.A., Ph.D., Professor of Latin, 1909. (Absent on leave.) Instructor, 1897; Assistant Professor, 1901.
- Dye, Harry Wilmer, B.S., M.S., Assistant Professor of Plant Pathology, 1920. Instructor, 1919.
- Dynes, Oliver Wesley, B.S., M.S. in Agr., Instructor in Farm Crops, 1914. Assistant, 1910-1911.
- Eames, Arthur Johnson, A.B., A.M., Ph.D., Assistant Professor of Botany in the College of Agriculture, 1914. Instructor, 1912.
- Edgar, James Clifton, Ph.B., A.M., M.D., Professor of Obstetrics and Clinical Midwifery, 1898. New York City.
- Egbert, Perry Tounley, M.E., Instructor in Experimental Engineering, 1919.
- Eggleston, Cary, M.D., Assistant Professor of Pharmacology, 1918. New York City. Instructor, 1911.
- Ellenwood, Frank Oakes, A.B., Professor of Power Engineering, 1916. (Absent on leave.) Acting Assistant Professor, 1911; Assistant Professor, 1912.
- Elliott, George Thomson, A.B., M.D., Professor of Clinical Medicine, Department of Dermatology, 1898. New York City.
- Ellis, Willard Waldo, A.B., LL.B., Librarian of the College of Agriculture, 1916.
- Elmer, Herbert Charles, A.B., Ph.D., Professor of Latin, 1909. Acting Assistant Professor, 1888; Assistant Professor, 1890.
- Elser, William James, M.D., Professor of Bacteriology, 1909. New York City. Assistant in Pathology, 1901; Instructor in Bacteriology, 1904; Assistant Professor, 1908.
- Elston, Ellsworth David, A.B., A.M., Instructor in Physical Geography, 1913. Assistant, 1912.
- Embody, George Charles, B.S., M.S., Ph.D., Assistant Professor of Aquiculture, 1912. Instructor in Neurology and Vertebrate Zoology, 1909-1910; Instructor in Aquiculture, 1911.
- Emerson, Haven, M.D., Professor of Hygiene and Preventive Medicine, 1919.
- Emerson, Rollin Adams, B.Sc., Professor of Plant Breeding, 1914.
- Engeln, Oscar Diederich von, A.B., Ph.D., Assistant Professor of Physical Geography, 1912. Assistant in Dynamic Geology, 1905; Instructor, 1907.
- English, Donald, B.S., M.B.A., Professor of Economics and Accounting, 1918; Acting Secretary of the College of Arts and Sciences, 1919. Acting Assistant Professor, 1914; Assistant Professor, 1915.

- Everett, George Abram, A.B., LL.B., Professor of Extension Teaching, 1915.
Assistant in Elocution and Oratory, 1899-1901; Instructor 1904; Assistant Professor, 1906-1907; 1910-1915.
- Ewing, James, A.M., M.D., Professor of Pathology, 1899. New York City.
- Eyster, William Henry, A.B., A.M., Instructor in Botany, 1919.
Assistant in Plant Breeding, 1918.
- Fairbanks, Frank Latta, M.E., Instructor in Rural Engineering, 1918.
Assistant, 1917.
- Farrar, Lillian K. P., M.D., Instructor in Clinical Surgery, Department of Gynecology, 1916. New York City.
- Faust, Albert Bernhardt, A.B., Ph.D., Professor of German, 1910.
Acting Assistant Professor, 1904; Assistant Professor, 1905.
- Fenner, Leslie A., M.E., E.E., Instructor in Machine Design, 1918.
- Ferguson, Jeremiah Sweetser, B.S., M.S., M.D., Secretary of the Medical Faculty, 1909; Assistant Professor of Clinical Medicine, Department of Pediatrics, 1919. New York City. Instructor, 1898; Assistant Professor of Histology, 1908.
- Ferriss, Emery N., Ph.B., M.A., Ph.D., Acting Assistant Professor of Rural Education, 1919.
- Fippin, Elmer Otterbein, B.S. in Agr., Extension Professor of Soil Technology, 1911. (Absent on leave.) Assistant Professor, 1905; Professor, 1909.
- Fish, Pierre Augustine, B.S., D.Sc., D.V.S., D.V.M., Professor of Veterinary Comparative Physiology and Pharmacology, 1902.
Instructor, 1890; Assistant Professor, 1896.
- Fisher, Mary Jones, A.B., A.M., Instructor in Zoology, 1918. Assistant, 1917.
- Fisk, Walter Warner, B.S. in Agr., M.S. in Agr., Assistant Professor of Dairy Industry, 1913. Assistant, 1910; Instructor, 1911.
- Fiske, Frederic Ebell, A.B., Instructor in English, 1919. Instructor, 1916-1917.
- Fitzpatrick, Harry Morton, A.B., Ph.D., Assistant Professor of Plant Pathology, 1913. Assistant in Botany, 1908; Instructor in Plant Pathology, 1911.
- Foss, H. Marcus, B.S. in E.E., Instructor in Machine Design, 1920.
- Foster, Nellis Barnes, M.D., Assistant Professor of Medicine, 1919. New York City. Instructor, 1913; Assistant Professor, 1914-1916.
- Francke, Elizabeth, M.D., Instructor in Chemistry, 1919. New York City.
- Fraser, Allan Cameron, B.S., Ph.D., Assistant Professor of Plant Breeding, 1919.
Assistant, 1913; Instructor, 1914.
- Frink, Horace Westlake, M.D., Assistant Professor of Clinical Medicine, Department of Neurology, 1917. New York City. Instructor, 1914.
- Frost, James Nathan D.V.M., Professor of Surgery, 1917. Assistant, 1907; Instructor, 1908; Assistant Professor 1913.
- Gage, Simon Henry, B.S., Emeritus Professor of Histology and Embryology, 1908.
Instructor in Microscopy and Practical Physiology, 1877-1880; Assistant Professor of Physiology and Lecturer on Micro-Technology, 1881; Associate Professor, 1889; Associate Professor of Anatomy, Histology, and Embryology, 1893; Professor, 1895; Professor of Microscopy, Histology and Embryology, 1896; Professor of Histology and Embryology, 1902.
- Gage, Victor Raymond, M.E., M.M.E., Assistant Professor of Experimental Engineering, 1912. (Absent on leave.) Instructor, 1907.
- Gamble, Dean Le Fever, B.S., Instructor in Zoology, 1917. Assistant, 1916.
- Garner, Enoch Francis, M.E., Instructor in Machine Design, 1913.
Instructor, 1907-1910.
- Garrett, Clara L., Instructor in Drawing, 1916.
- Garrett, Seymour Stanton, C.E., Professor of Mechanics of Engineering, 1920.
Instructor in Civil Engineering, 1906-1908; Assistant Professor, 1910.
- Gaut, Mary Anne, Instructor in Home Economics, 1919.
- Gavett, Joseph William, jr., M.E., Instructor in Experimental Engineering, 1919.
- George, Sidney Gonzales, C.E., Professor of Applied Mechanics, 1916.
Instructor in Civil Engineering, 1905-1907; Assistant Professor of Applied Mechanics, 1908.

- Georgia, Frederick Raymond, B.Chem., Instructor in Chemistry, 1915.
Assistant, 1914.
- Gere, James Belden, M.D., Instructor in Neuro-Pathology, 1917. New York City. Assistant, 1907.
- Gerster, John C. A., M.D., Assistant Professor of Clinical Surgery, 1919. New York City. Instructor, 1914.
- Gibbs, Roswell Clifton, A.B., A.M., Ph.D., Professor of Physics, 1918.
Assistant, 1906; Instructor, 1906; Assistant Professor, 1912.
- Gibson, Charles Langdon, A.B., M.D., Professor of Surgery, 1918. New York City.
Clinical Instructor in Diseases of the Genito-Urinary System, 1900; Instructor in Surgery, 1902; Professor of Clinical Surgery, 1906; Assistant Professor of Surgery, 1912; Associate Professor, 1917.
- Gill, Adam Capen, A.B., Ph.D., Professor of Mineralogy and Petrography, 1910.
Assistant Professor, 1894.
- Gillespie, David Clinton, A.B., M.A., Ph.D., Assistant Professor of Mathematics, 1911. Instructor, 1906.
- Gillett, Roy Lewis, B.S., Instructor in Farm Management, 1917.
- Gleason, Julia, Instructor in Home Economics, 1916.
- Goldberg, Samuel Alexander, D.V.M., A.M., Assistant Professor of Pathology, Veterinary College, 1917. Assistant, 1913.
- Goode, Clement Tyson, A.B., A.M., Instructor in English, 1919.
- Goodridge, Malcolm, M.D., Assistant Professor of Therapeutics, 1916. New York City. Instructor, 1910.
- Grantham, Guy Everett, A.B., Instructor in Physics, 1919. Assistant 1916-1917.
- Graves, Gaylord W., Instructor in Clinical Pathology, 1920. New York City.
- Graves, Lulu, Assistant Professor of Home Economics, 1919.
Acting Assistant Professor, 1918.
- Gray, Alexander M., B.Sc., E.E., Professor of Electrical Engineering, 1915.
- Grimm, Jay John, B.S., Instructor in Botany, 1919.
- Grove, Vernon Guy, A.B., M.A., Instructor in Mathematics, 1919.
- Gudernatsch, J. F., Ph.D., M.D., Assistant Professor of Anatomy, 1915. New York City. Instructor, 1909.
- Guerlac, Othon Goepp, Licencié ès lettres, Licencié en droit, Professor of the Romance Languages and Literatures, 1919.
Instructor, 1900; Assistant Professor, 1904.
- Guion, Connie Myers, B.A., A.M., M.D., Instructor in Therapeutics, 1919. New York City.
- Guise, Cedric Hay, B.S., M.F., Instructor in Forestry, 1915. Assistant, 1914.
- Guthrie, Edward Sewall, B.S.A., M.S.A., Ph.D., Professor of Dairy Industry, 1913. Instructor and Investigator in Dairy Industry, 1908.
- Gutsell, Hiram Samuel, B.P., A.M., Assistant Professor of Freehand Drawing in the College of Architecture, 1916. Instructor in Drawing and Industrial Art, 1888; Instructor in Freehand Drawing and Modeling, 1904.
- Hagan, William Arthur, D.V.M., Professor of Pathology and Bacteriology, 1919. Instructor in Department of Obstetrics and Research in the Diseases of Breeding Cattle, 1916; Instructor in Pathology and Bacteriology, 1916; Assistant Professor, 1918.
- Ham, Clarence Walter, B.M.E., M.E., Assistant Professor of Machine Design, 1914. (Absent on leave.) Instructor, 1907.
- Hamilton, George Livingstone, A.B., A.M., Ph.D., Professor of the Romance Languages and Literatures, 1916. Assistant Professor, 1911.
- Hammond, William Alexander, B.A., A.M., Ph.D., Sage Professor of Ancient Philosophy and of Aesthetics, 1908; Secretary of the University Faculty, 1903. Instructor in Greek Philosophy, 1891; Assistant Professor of Ancient and Medieval Philosophy, 1892; Assistant Professor of Ancient and Medieval Philosophy and Aesthetics, 1903.

- Hardenburg, Earle Volcart, B.S., M.S. in Agr., Assistant Professor of Farm Crops, 1919. Instructor, 1912.
- Harper, Merritt Wesley, B.Sc., M.S., Professor of Animal Husbandry, 1913. Assistant, 1905; Instructor, 1906; Assistant Professor, 1907.
- Harrington, Milton A., M.D., Clinical Instructor in Medicine, Department of Psychiatry, 1919. New York City.
- Harris, Gilbert Dennison, Ph.B., Professor of Paleontology and Stratigraphic Geology, 1909. Assistant Professor, 1894.
- Harrison, Harriet, Instructor in Physical Education, 1919.
- Hartwell, John Augustus, Ph.B., M.D., Associate Professor of Surgery, 1918. New York City.
Instructor in Physiology, 1898; Assistant Professor, 1901; Professor of Clinical Surgery, 1909-1918; Assistant Professor of Surgery, 1911-1918.
- Haskell, Eugene Elwin, B.C.E., C.E., Dean of the College of Civil Engineering, and Professor of Experimental Hydraulics, 1906.
- Hatcher, Robert Anthony, Ph.G., M.D., Professor of Pharmacology and Materia Medica, 1908. New York City.
Instructor in Materia Medica, 1904; Assistant Professor of Pharmacology, 1906.
- Hausman, Leon Augustus, A.B., Instructor in Biology, 1919.
Assistant in Geology, 1912-1914; Assistant in Meteorology, 1915; Instructor in Meteorology, 1918.
- Hayden, Charles Ernest, A.B., D.V.M., Assistant Professor of Physiology, Veterinary College, 1914. Assistant, 1909; Instructor, 1910; Assistant Professor of Physiology, 1914; Acting Professor, 1918.
- Haynes, Irving Samuel, Ph.B., M.D., D.Sc., Professor of Applied Anatomy and Clinical Surgery, 1911. New York City. Professor of Practical Anatomy, 1898.
- Hazard, Blanche Evans, A.B., M.S., Acting Professor of Home Economics, 1919. Assistant Professor, 1914.
- Healey, Lolita Evelyn, A.B., Instructor in Home Economics, 1919.
- Hebel, John William, A.B., A.M., Instructor in English, 1919. Instructor, 1914-1917.
- Hedrick, Ulysses Prentiss, D.Sc., Professor of Pomology, 1920.*
- Heffner, Roy Edward, A.B., B.S. in E.E., Instructor in Electrical Engineering, 1919.
- Heinecke, Arthur John, B.S.A., M.A., Ph.D., Assistant Professor of Pomology, 1917. Instructor, 1914.
- Henry, Mary Frances, A.B., Assistant Professor of Home Economics, 1918. Instructor, 1915.
- Herenden, Ralph Eugene, M.D., Instructor in Roentgenology, 1918. New York City.
- Hermannsson, Halldor, Lecturer in German, 1912; Curator of Icelandic Collection in Library, 1906. Instructor in Scandinavian Languages, 1905.
- Herrick, Glenn Washington, B.S. in Agr., Professor of Economic Entomology, 1912. Assistant Professor, 1909.
- Hespelt, Ernest Herman, A.B., A.M., Instructor in the Romance Languages and Literatures, 1919. Instructor, 1918.
- Heuser, Gustave Frederick, B.S., M.S. in Agr., Assistant Professor of Poultry Husbandry, 1918. Assistant, 1915; Instructor, 1917.
- Hewett, Waterman Thomas, A.B., Ph.D., Emeritus Professor of the German Language and Literature, 1910.
Assistant Professor of North European Languages, 1870; Professor of the German Language and Literature, 1883.
- Hilmer, Hermann, A.B., A.M., Ph.D., Instructor in Economics, 1919.
- Hitzrot, James Morley, A.B., M.D., Assistant Professor of Clinical Surgery, 1919. New York City. Instructor, 1904; Assistant Professor, 1912; Associate Professor, 1917.
- Hoag, Arthur E., M.D., Clinical Instructor in Surgery, 1917. New York City. Instructor in Surgery, 1912.

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- Hoefler, Fred Schmidt, B.S., Instructor in Electrical Engineering, 1919.
- Hoff, Norman Shirley, B.S. in E.E., Instructor in Machine Design, 1919.
- Hoguet, Joseph P., M.D., Assistant Professor of Clinical Surgery, 1919. New York City. Instructor in Surgery, 1911.
- Hoisington, Louis Benjamin, A.B., Instructor in Psychology, 1919.
Assistant in Psychology, 1917; Instructor in Education, 1917.
- Holland, Arthur L., Instructor in Clinical Medicine, Department of Medicine, 1915. New York City.
- Holmes, Ralph Maynard, B.A., M.A., Instructor in Physics, 1919. Assistant, 1919.
- Hope, Leona, Instructor in Home Economics, 1919.
- Hopkins, Grant Sherman, B.S., D.Sc., D.V.M., Professor of Comparative Anatomy and Anatomical Methods, 1903.
Assistant, 1889; Instructor, 1890; Assistant Professor, 1896.
- Hopper, Earle Budd, D.V.M., Instructor in Obstetrics and Diseases of Breeding Cattle, 1920. Instructor in Surgery, 1917.
- Hopper, Herbert Andrew, B.S.A., M.S., Extension Professor of Animal Husbandry, 1913. Assistant Professor, 1911.
- Hosmer, Ralph Sheldon, B.S.A., M.F., Professor of Forestry, 1914.
- Hotchkiss, Herbert Vinton, B.S., C.E., Instructor in English, 1919.
Instructor in Civil Engineering, 1914-1917.
- Hotchkiss, Homer James, A.M., M.M.E., Instructor in Mechanics of Engineering, 1916. Instructor in Physics, 1891-1903.
- Howe, Harley Earl, B.S., M.A., Ph.D., Assistant Professor of Physics, 1918.
Instructor, 1909-1912.
- Howell, Charles Manly, A.B. in M.E., Instructor in Machine Design, 1919.
- Howell, Eric Vail, C.E., M.C.E., Instructor in Civil Engineering, 1918.
- Hoy, David Fletcher, B.S., M.S., Registrar, 1895. Assistant Registrar, 1891.
- Hull, Charles Henry, Ph.B., Ph.D., Goldwin Smith Professor of American History, 1912. Instructor in Political and Social Institutions, 1892; Assistant Professor of Political Economy, 1893; Professor of American History, 1901; Dean of the Faculty of Arts and Sciences, 1908-1913.
- Hunn, Anna Elizabeth, B.S., Instructor in Home Economics, 1919. Assistant, 1912; Instructor, 1915-1919.
- Hunt, Everett Lee, A.B., Assistant Professor of Public Speaking, 1918.
- Hunter, F. Beatrice, Instructor in Home Economics, 1919.
- Hurwitz, Wallie Abraham, Ph.D., Assistant Professor of Mathematics, 1914.
Instructor, 1910.
- Hutchinson, John Irwin, A.B., Ph.D., Professor of Mathematics, 1910.
Instructor, 1894; Assistant Professor, 1903.
- Hutchison, Claude Burton, B.S. in Agr., M.S. in Agr., Professor of Plant Breeding, 1916.
- Hyatt, James Mead, A.B., Instructor in Physics, 1918. Assistant, 1917.
- Jackson, Henry Wirt, M.D., Instructor in Clinical Pathology, 1914. New York City. Assistant, 1913.
- Jackson, Herbert F., M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1919. New York City.
- Jackson, Howard Campbell, B.S., Instructor in Dairy Industry, 1917. Assistant, 1915.
- Jackson, Stuart Deming, A.B., Instructor in Chemistry, 1917. Assistant, 1916.
- Jacoby, Henry Sylvester, C.E., Professor of Bridge Engineering, 1897. (Absent on leave, second term.) Assistant Professor, 1890; Associate Professor, 1894.
- Jagu, Fernand Désiré Anselme Ferdinand, Licencié en droit, Instructor in the Romance Languages, 1918.
- Jeck, Howard S., M.D., Clinical Instructor in Surgery, Department of Urology, 1917. New York City.

- Jenison, Nancy, M.D., Instructor in Medicine, 1917. New York City.
- Jenness, James Russell, S.B., Instructor in Physics, 1919.
Assistant, 1916-1917; Instructor, 1917-1918.
- Johannsen, Oskar Augustus, B.S., A.M., Ph.D., Professor of Entomology, 1919.
Instructor in Civil Engineering, 1899; Assistant Professor, 1904-1909; Assistant Professor of Biology, 1912; Professor of Entomology, 1914; Professor of General Biology, 1915.
- Johnson, Kenneth, M.D., Instructor in Surgery, 1919. New York City.
- Jones, Horace Leonard, A.B., A.M., Ph.D., LL.D., Assistant Professor of Greek, 1910.
- Jones, Ralph Felber, M.E., Instructor in Experimental Engineering, 1919.
- Jordan, Whitman Howard, LL.D., Professor of Animal Nutrition, 1920.*
- Kahn, Morton C., M.D., Instructor in Hygiene, 1919. New York City.
- Karapetoff, Vladimir, C.E., Professor of Electrical Engineering, 1908.
Assistant Professor, 1904.
- Kelley, Frances Remington, B.A., Instructor in Home Economics, 1917. (Absent on leave, Jan. 1-June 30, 1920.)
- Keniston, Ralph Hayward, A. B., A.M., Ph.D., Professor of the Romance Languages and Literatures, 1919. Assistant Professor 1914.
- Kennard, Earle Hesse, B.A., Ph.D., Assistant Professor of Physics, 1917.
Assistant, 1912; Instructor, 1913-1914, 1916-1917.
- Kennedy, Robert Foster, M.D., F.R.S.E., Associate Professor of Clinical Medicine, Department of Neurology, 1917. New York City.
Instructor, 1910; Assistant Professor, 1914.
- Kennell, Lester Spruce, A.B., M.A., Instructor in the Romance Languages and Literatures, 1917.
- Kent, Olney Brown, B.S., M.S. in Agr., Ph.D., Assistant Professor of Poultry Husbandry, 1917. Assistant, 1913; Instructor, 1913.
- Kenyon, James H., M.D., Instructor in Clinical Surgery, Department of Surgery, 1916. New York City.
- Kerr, Abram Tucker, B.S., M.D., Professor of Anatomy, 1904, and Secretary of the Ithaca Division of the Medical College, 1902. Assistant Professor, 1900.
- Keyes, Edward Loughboro, jr., A.B., Ph.D., M.D., Professor of Clinical Surgery, Department of Urology, 1910. New York City.
Assistant, 1898; Instructor, 1899.
- Kimball, Dexter Simpson, A.B., M.E., Professor of Machine Design and Industrial Engineering, 1915. (Absent on leave, first term.)
Assistant Professor, 1898-1901; Acting Director of Sibley College, second term, 1911-1912; Professor of Machine Design and Construction, 1904; Acting Dean of Sibley College, 1917; Acting President, June 15-October 15, 1918.
- King, Asa Carlton, B.S.A., Professor of Farm Practice, 1915.
Extension School Instructor, 1911.
- Kingsbury, Benjamin Freeman, A.B., M.S., Ph.D., M.D., Professor of Histology and Embryology, 1908. Instructor, 1896; Assistant Professor, 1899; Assistant Professor of Physiology, Medical College, 1902.
- Kirby, George Hughes, B.S., M.D., Professor of Clinical Medicine, Department of Psychiatry, 1917. New York City. Instructor, 1905-1912.
- Kirby, Robert Stearns, B.S., M.S., Instructor in Plant Pathology, 1920.
- Kirkland, Joseph Brackin, B.S., Instructor in Farm Practice, 1918.
- Knapp, Ronald Glenn, B.S., Instructor in Animal Husbandry, 1920.
- Knudson, Lewis, B.S.A., Ph.D., Professor of Botany, 1916. (Absent on leave, first term.) Assistant in Plant Physiology, 1908; Instructor, 1908; Assistant Professor, 1911.
- Krum, Olin Clifford, B.S., Instructor in Poultry Husbandry, 1919.
Assistant, 1917-1918.
- Kruse, Paul J., A.B., A.M., Ph.D., Professor of Rural Education, 1918.
Assistant Professor, 1917.

*By affiliation with the New York State Agricultural Experiment Station at Geneva.

- Lambert, Alexander, A.B., Ph.B., M.D., Professor of Clinical Medicine, Department of Medicine, 1898. New York City.
- Lang, C. A., Instructor in Pediatrics, 1919. New York City.
- Larsen, Axel Martin, B.S. in E.E., Instructor in Machine Design, 1920.
- Larsen, Nils P., B.S., M.D., Instructor in Bacteriology, 1919. New York City.
- Latta, John Stephens, B.S., Instructor in Histology and Embryology, 1919. Assistant, 1916-1918; 1919.
- Lauman, George Nieman, B.S.A., Professor of Rural Economy, 1909. Assistant in Horticulture, 1897; Instructor, 1899; Instructor in Rural Economy, 1903; Assistant Professor, 1905.
- Lavin, James Boniface, B.S. in E.E., Instructor in Machine Design, 1919.
- Law, James, F.R.C.V.S., Emeritus Professor of the Principles and Practice of Veterinary Medicine, 1908. Professor of Veterinary Medicine and Surgery, 1868; Professor of the Principles and Practice of Veterinary Medicine, Veterinary Science, and Veterinary Therapeutics, 1896; Director of New York State Veterinary College and Dean of Faculty of Veterinary Medicine, 1896.
- Lawrence, Leonard Alexander, B.S., Assistant Professor of Surveying, 1916. Instructor in Civil Engineering, 1907.
- Lee, Burton James, A.B., Ph.B., M.D., Professor of Clinical Surgery, 1918. New York City. Assistant Demonstrator, 1903; Demonstrator, 1904; Instructor in Clinical Surgery, 1909, and in Surgical Pathology, 1913; Assistant Professor, 1916.
- Lee, Myron A., M.E., M.M.E., Assistant Professor of Machine Design, 1916. Instructor, 1910.
- Leet, Horace William, M.E., Instructor in Experimental Engineering, 1919.
- Leister, Claude Willard, B.S., Instructor in Ornithology, 1919. Assistant, 1917-1918.
- Leland, Ora Miner, B.S., in C.E., Professor of Astronomy and Geodesy, 1916. (Absent on leave, first term.) Instructor in Civil Engineering, 1903; Assistant Professor, 1906.
- L'Esperance, Elise S., M.D., Instructor in Pathology, 1911. New York City. Assistant, 1910.
- Liddell, Howard Scott, A.B., A.M., Instructor in Physiology, 1919.
- Lilienthal, Howard, M.D., Professor of Clinical Surgery, Department of Surgery, 1917. New York City.
- Ling, Ernest Fitchard, B.S., M.A., Instructor in Physics, 1919.
- Livermore, Kenneth Carter, B.S. in Agr., M.S. in Agr., Professor of Farm Management, 1913. (Absent on leave, first term.) Instructor in Farm Crops, 1909; Instructor and Investigator, 1910; Assistant Professor of Farm Management, 1911.
- Lloyd, John Thomas, A.B., Instructor in Entomology, 1918. Assistant, 1909.
- Long, Tudor Seymour, A.B., Instructor in English, 1918. Assistant, 1916-1917.
- Lounsbery, Dean Elwood, B.S. in Agr., Instructor in Geology, 1919.
- Love, Harry Houser, B.S., M.A., Ph.D., Professor of Plant Breeding, 1917. Assistant, 1908; Assistant Professor of Plant Breeding in the Federal Experiment Station, 1909; Professor of Plant Breeding Investigations, 1915.
- Loving, Robert Edward, B.A., Ph.D., Instructor in Physics, 1919.
- Lukens, Earl Gibson, A.B., Instructor in Animal Husbandry, 1918.
- Lumsden, David, Graduate of Sleaford Collegiate Academy, 1884-1888; Veitchian School of Horticulture, 1888-1892; special studies at the Royal Botanic Garden (Kew); F.R.H.S. (Hon.), Assistant Professor of Floriculture, 1914.
- Lusk, Graham, Ph.D., Sc.D., F.R.S. (Edin.), M.D., Professor of Physiology, 1909. New York City.
- Lusk, William Foster, B.Ph., M.S.A., Professor of Rural Education, 1917.
- Lyle, Henry M., Assistant Professor of Surgery, 1919. New York City. Instructor, 1912-1913.
- Lyon, Thomas Lyttleton, B.S. in Agr., Ph.D., Professor of Soil Technology in the Federal Experiment Station, 1906.
- McAuliffe, George Birmingham, A.B., M.D., Clinical Instructor in Surgery, Department of Otology, 1904. New York City.

- McCann, W. S., Instructor in Medicine, 1919. New York City.
- McCaskill, Oliver Leroy, Ph.B., LL.D., Professor of Procedure, 1916.
- McCurdy, John Clarence, B.S., C.E., Assistant Professor of Rural Engineering, 1916. Instructor in Civil Engineering, 1907; Instructor in Rural Engineering, 1915.
- McCurdy, John T., M.D., Lecturer on Clinical Medicine, Department of Psychiatry, 1917. New York City. Clinical Instructor in Medicine, Department of Psychopathology, 1913.
- McDaniels, Lawrence Howland, A.B., Assistant Professor of Pomology, 1919. (Absent on leave.) Assistant in Entomology, 1912; Assistant in Botany, 1913; Instructor in Botany, 1914-1917.
- McDermott, George Robert, Professor of Structural Design, 1909. Assistant Professor of Naval Architecture, 1892; Professor, 1905.
- McGrath, John F., M.D., Instructor in Clinical Surgery, Department of Gynecology, 1918.
- McInerney, Thomas Joseph, B.S. in Agr., M.S. in Agr., Assistant Professor of Dairy Industry, 1917. Assistant, 1910; Instructor, 1912.
- McKinney, Asa Emanuel, A.B., A.M., Instructor in Chemistry, 1919. Assistant, 1915-1917; Extension Instructor, 1917-1918.
- McMahon, James, A.B., A.M., D.Sc., Professor of Mathematics, 1904. Instructor, 1884; Assistant Professor, 1890.
- McNulty, Dwight Leeds, Instructor in Machine Design, 1920. Assistant, 1919.
- McVetty, Percy George, M.E., Instructor in Engineering Research, 1914. Instructor in Mechanical Laboratory, 1913.
- Mann, Albert Russell, B.S.A., A.M., Dean of the College of Agriculture, Director of the Experiment Station, and Director of Extension Service, 1917. Assistant Professor of Dairy Industry, 1908; Assistant to Director and Editor, 1908; Secretary of the College of Agriculture, 1909; Secretary, Registrar, and Professor of Agricultural Editing, 1910; Acting Dean of the College of Agriculture and Acting Director of the Experiment Station, 1916; Professor of Rural Social Organization, 1915-1917.
- Martin, Clarence Augustine, D.Sc., Professor of Architecture, 1904. Instructor, 1894; Assistant Professor, 1895. Dean of the College of Architecture, 1908-1919.
- Marx, Milton David, A.B., Instructor in English, 1919.
- Mason, James Frederick, A.B., Ph.D., Professor of the Romance Languages and Literatures, 1914. Instructor, 1909; Assistant Professor, 1912.
- Massey, Louis Melville, A.B., Ph.D., Assistant Professor of Plant Pathology, 1917. Instructor, 1914.
- Matheson, Robert, B.S.A., M.S. in Agr., Ph.D., Assistant Professor of Economic Entomology, 1915; Assistant Entomologist of the Experiment Station, 1917. Assistant in Entomology, 1909; Assistant in Biology, 1910; Instructor, 1911; Assistant Professor, 1912; Investigator in Entomology, 1913; Assistant Professor of Entomology, 1914.
- Matthews, Robertson, M.E., Assistant Professor of Power Engineering, 1913. Instructor in Machine Design, 1907; Instructor in Power Engineering, 1908.
- Matthews, Thomas Ignatius, B.S. in E.E., Instructor in Electrical Engineering, 1919.
- Mattli, Peter Anthony, B.S., Instructor in the Romance Languages and Literatures, 1920.
- Maynard, Leonard Amby, A.B., Ph.D., Assistant Professor of Animal Husbandry, 1915.
- Meara, Frank Sherman, A.B., Ph.D., M.D., Professor of Therapeutics, 1909. New York City.
- Meixner, Warren B., B.S., Instructor in Landscape Art, 1919.
- Mekeel, Amy Grace, A.B., Instructor in Zoology, 1918. Assistant, 1917.
- Merritt, Ernest George, M.E., Professor of Physics, 1903. Instructor, 1889; Assistant Professor, 1892; Dean of the Graduate School, 1909-1914.
- Meusebeck, Carl Frederick William, B.S., Instructor in Entomology, 1918.

- Midjo, Christian, Assistant Professor of Freehand Drawing in the College of Architecture, 1912. Instructor, 1909.
- Milks, Howard Jay, D.V.M., Professor of Materia Medica; Director of the Small Animal Clinic (Veterinary) 1914.
Assistant in Physiology, 1903-1905; Assistant Professor of Materia Medica and Therapeutics, 1909; Professor of Therapeutics and Clinical Medicine and of Surgery of Small Animals, 1913.
- Mills, H. Strycher, Instructor in Farm Crops, 1919.
- Miltimore, Edward, M.D., Instructor in Medicine, 1917. New York City.
- Minns, Lua Alice, B.S., Instructor in Floriculture, 1914. Assistant, 1912.
- Misner, Edward Gardner, B.S., Ph.D., Assistant Professor of Farm Management, 1918. Instructor, 1914.
- Moler, George Sylvanus, A.B., B.M.E., Emeritus Professor of Physics, 1917.
Instructor, 1875; Assistant Professor, 1880; Professor, 1911.
- Monroe, Benton Sullivan, A.B., A.M., Ph.D., Assistant Professor of English, 1912.
Assistant, 1897; Instructor, 1900.
- Monsch, Helen, B.S., M.A., Assistant Professor of Home Economics, 1918.
- Montgomery, Edward Gerrard, M.A., Professor of Farm Crops, 1911.
- Montgomery, Walter Clark, M.D., Clinical Instructor in Surgery, Department of Laryngology and Rhinology, 1917. New York City.
Assistant 1902-1903; 1906-1913.
- Montillon, Eugene Davis, B.Arch., Assistant Professor of Landscape Art, 1917.
Assistant, 1911; Instructor, 1912.
- Moon, Charles, B.S., C.E., Instructor in Physics, 1919.
- Moon, Merl Perrott, A.B., Instructor in Dairy Industry, 1919. Assistant, 1917.
- Moore, Leon Harold, B.S. in E.E., Instructor in Machine Design, 1919.
- Moore, Veranus Alva, B.S., M.D., V.M.D., Dean of the New York State Veterinary College, 1908, and Professor of Comparative Pathology, Bacteriology, and Meat Inspection, 1896.
- Mordoff, Richard Alan, B.S. in Agr., Instructor in Meteorology, 1917.
Assistant in Physical Geography, 1909-1910; 1912-1913.
- Mordoff, William Emerson, M.E., Instructor in Experimental Engineering, 1918.
Instructor in Rural Engineering, 1915; Instructor in Machine Design, 1916.
- Morgan, George Rose, M.E., Instructor in Electrical Engineering, 1919.
- Morrill, Charles V., Assistant Professor of Anatomy, 1919. New York City.
Instructor, 1915.
- Morrow, Hugh Ellis, B.S., Instructor in Chemistry, 1918. New York City.
- Moses, Winifred, B.S., Assistant Professor of Home Economics, 1919.
Assistant, 1914; Instructor, 1917.
- Mott-Smith, Harold Meade, A.B., Instructor in Physics, 1920. Assistant, 1919.
- Mott-Smith, Stanley, M.E., Instructor in Experimental Engineering, 1919.
- Muchmore, Guy Brooks, A.B., Assistant Professor of Public Speaking, 1913.
- Muenscher, Walter Conrad, A.B., A.M., Instructor in Botany, 1919.
Assistant, 1916; Instructor, 1917-1918.
- Murdock, Carleton Chase, B.S., A.M., Assistant Professor of Physics, 1919.
Assistant, 1909; Instructor, 1909-1913; 1914-1919.
- Murrell, William Carey, Instructor in Electrical Engineering, 1919.
- Myers, Clyde Hadley, B.S., M.S., Ph.D., Professor of Plant Breeding, 1914.
(Absent on leave, first term.) Extension Instructor, 1911; Assistant Professor, 1912.
- Myers, William Irving, B.S., Assistant Professor of Farm Management, 1918.
Assistant, 1914; Instructor, 1916.
- Nadler, Sol Joseph Rexwood, B.S., Instructor in Machine Design, 1919.
- Naeter, Albrecht, B.S. in E.E., Instructor in Electrical Engineering, 1919.
- Nammack, Charles Edward, Ph.B., M.D., LL.D., Professor of Clinical Medicine, Department of Medicine, 1898. New York City.

- Nammack, Charles Halpin, M.D., Clinical Instructor in Medicine, Department of Medicine, 1916. New York City.
- Nanz, Ralph Simpson, B.S., Instructor in Botany, 1917. Assistant, 1912.
- Nash, T. P., M.D., Instructor in Chemistry, 1919. New York City.
- Needham, James George, B.S., M.S., Ph.D., Professor of Entomology and Limnology, 1911. Assistant Professor, 1906.
- Neely, Elizabeth, A.B., Instructor in Physical Education, 1919.
- Nelson, John Herbert, A.B., Instructor in English, 1919.
- Neville, Homer B., B.S., Instructor in Dairy Industry, 1919.
Assistant in Soil Technology, 1917-1918.
- Nichols, Edward Leamington, B.S., Ph.D., LL.D., Emeritus Professor of Physics, 1919. Professor, 1887-1919; Dean of the College of Arts and Sciences, 1913-1915.
- Nichols, Melvin, B.Chem., Instructor in Chemistry, 1918. Assistant, 1917.
- Niles, Walter Lindsay, M.D., Assistant Professor of Medicine, 1917; Dean of the Medical College, 1919. New York City.
Instructor, 1904; Assistant Professor of Clinical Medicine, 1912; Acting Dean, 1918.
- Noback, Charles Victor, D.V.M., Instructor in Veterinary Pathology, 1918.
- Noble, Charles Vernon, B.S., Instructor in Farm Management, 1916.
- Noble, Margaret, Instructor in Home Economics, 1919.
- Noonan, Henry Patrick, D.V.M., Instructor in Obstetrics and Research in the Diseases of Dairy Cattle, 1919.
- Norris, Charles, Ph.B., M.D., Assistant Professor of Pathological Anatomy, Department of Pathology, 1917. New York City. Instructor, 1899.
- Northrop, Burdette Kibbe, M.E., Instructor in Electrical Engineering, 1918.
Assistant, 1917.
- Northrop, Paul Allen, B.S., Instructor in Physics, 1919. Assistant, 1919.
- Northup, Clark Sutherland, A.B., Ph.D., Professor of English, 1919; Librarian of the Hart Memorial Library, 1914.
Assistant, 1895; Instructor, 1897; Assistant Professor, 1903.
- Oberndorf, Clarence P., M.D., Clinical Instructor in Medicine, Department of Neurology, 1915. New York City.
- O'Connell, Walter Christopher, Instructor in Physical Training (Wrestling), 1919.
Assistant, 1908.
- Ogden, Henry Neely, C.E., Professor of Sanitary Engineering, 1908.
Instructor in Civil Engineering, 1889-1892; 1894-1898; Assistant Professor, 1898; Assistant Professor of Sanitary Engineering, 1903.
- Ogden, Robert Morris, B.S., Ph.D., Professor of Education, 1916.
- Olney, Roy A., B.S., Instructor in Rural Education, 1919.
- Orndorff, William Ridgely, A.B., Ph.D., Professor of Organic and Physiological Chemistry, 1903. Instructor, 1887; Assistant Professor, 1890.
- O'Rourke, Charles Edward, C.E., Instructor in Civil Engineering, 1919.
- Orth, Samuel Peter, B.S., Ph.D., Goldwin Smith Professor of Political Science, 1919. Acting Professor, 1912; Professor, 1913.
- Ortner, Howard Burnship, B.S., Instructor in Physical Education, 1919.
- Osterberg, Emil, Instructor in Chemistry, 1911. New York City. Assistant, 1906.
- Owens, Frederick William, Ph.D., Assistant Professor of Mathematics, 1915.
Instructor, 1907.
- Owens, Helen Brewster, A.B., A.M., Ph.D., Instructor in Mathematics, 1918.
Lecturer, 1917.
- Paine, Ernest Trowbridge, A.M., Instructor in Philosophy, 1916.
Secretary of the College of Arts and Sciences, 1913-1916; first term, 1918-1919.
- Palmer, Ephraim Lawrence, Assistant Professor of Rural Education, 1919.
Assistant, 1910-1913.
- Palmer, Ralph G., Instructor in Plant Pathology, 1919.

- Papanicolau, George, Ph.D., M.D., Instructor in Anatomy, 1917. New York City. Assistant, 1914.
- Papish, Jacob, B.S., A.M., Instructor in Chemistry, 1919. Assistant, 1919.
- Pardee, Harold E. B., M.D., Instructor in Medicine, 1916. New York City.
- Parrott, Percival John, M.A., Professor of Entomology, 1920.*
- Parson, John Thomas, Professor of Drawing in the College of Civil Engineering, 1919. Instructor in Civil Engineering, 1895; Assistant Professor, 1903; Assistant Professor of Drawing in the College of Civil Engineering, 1908.
- Patterson, Woodford, A.B., Secretary of the University and University Publisher, 1917.
- Pendleton, Claude M., C.E., Instructor in Civil Engineering, 1919. Assistant in Geology, 1919.
- Perry, John Edwin, B.S. in C.E., Instructor in Railroad Engineering, 1915.
- Pertsch, John George, jr., M.E., Assistant Professor of Electrical Engineering, 1916. Assistant, 1909; Instructor, 1910.
- Peters, John P., M.D., Instructor in Medicine, 1919. New York City. Assistant, 1917.
- Peterson, Joseph Arvid, B.S. in M.E., Instructor in Machine Design, 1919.
- Phelps, Albert Charles, B.S., M.Arch., Professor of Architecture, 1913. Instructor, 1899; Assistant Professor, 1903.
- Phillips, Harry Ashton, A.B., B.S., A.M., Instructor in Pomology, 1919. Assistant, 1919.
- Pond, Miles Albion, Ph.B., Assistant Professor of Civil Engineering, 1907. Instructor, 1902.
- Pope, Paul Russel, A.B., Ph.D., Professor of German, 1915. Instructor, 1902; Assistant Professor, 1906.
- Potter, Mary Isabelle, B.S., M.L.D., Instructor in Landscape Art, 1920. Assistant, 1919.
- Pratt, Harold Arthur, B.S., Instructor in Floriculture, 1920.
- Prescott, Frederick Clark, A.B., Professor of English, 1919. (Absent on leave, first term.) Assistant Professor of Rhetoric, 1897; Assistant Professor of English, 1903.
- Pumpelly, Laurence, A.B., Ph.D., Assistant Professor of the Romance Languages and Literatures, 1914. Assistant in Chemistry, 1908-1909; Instructor in the Romance Languages and Literatures, 1910.
- Quarles, James T., University Organist, 1913, and Assistant Professor of Music, 1916.
- Quick, F. E., Instructor in Rural Engineering, 1919. Assistant, 1919.
- Quick, Ray Lewis, M.E., Instructor in Experimental Engineering, 1919. Instructor, 1917-1918.
- Ranum, Arthur, A.B., Ph.D., Assistant Professor of Mathematics, 1910. Assistant, 1904; Instructor, 1906.
- Recknagel, Arthur Bernhard, B.A., M.F., Professor of Forest Management and Utilization, 1917. Professor of Forestry, 1913.
- Reddick, Donald, A.B., Ph.D., Professor of Plant Pathology, 1911. Assistant in Botany, 1905; Assistant in Plant Pathology, 1907; Instructor, 1908; Assistant Professor of Plant Pathology, 1909.
- Reed, Frank Walker, M.A., Ph.D., Instructor in Mathematics, 1919.
- Reed, Hugh Daniel, B.S., Ph.D., Professor of Zoology, 1919. Assistant, 1900; Instructor, 1902; Assistant Professor of Neurology and Vertebrate Zoology, 1906; Assistant Professor of Zoology, 1915.
- Rees, Juliette Norma Anderson, B.S., Instructor in Plant Pathology, 1918.
- Rees, Ralph W., A.B., B.S., Extension Professor of Pomology, 1917. Professor, 1916.
- Reese, Robert Grigg, Ph.G., M.D., Professor of Clinical Surgery, Department of Ophthalmology, 1911. New York City. Clinical Assistant, 1898; Instructor, 1899.

*By affiliation with the New York State Agricultural Experiment Station at Geneva.

- Rettger, Ernest William, A.B., Ph.D., Assistant Professor of Applied Mechanics, 1908. Instructor in Civil Engineering, 1907.
- Reyna, Juan Estevan, E.E., Assistant Professor of Rural Engineering, 1919. Instructor in Drawing, 1912; Assistant Professor of Drawing, 1917.
- Rice, Frank Elmore, A.B., Ph.D., Assistant Professor of Chemistry in its Relations to Agriculture, 1916. Assistant, 1909; Instructor, 1912.
- Rice, James Edward, B.S. in Agr., Professor of Poultry Husbandry, 1907. Assistant, 1892-1893; Assistant Professor, 1903.
- Richards, John Harold, M.D., Instructor in Clinical Pathology and Medicine, 1911. New York City. Assistant, 1907.
- Richtmyer, Floyd Karker, A.B., Ph.D., Professor of Physics, 1918. (Absent on leave.) Assistant, 1903-1904; Instructor, 1906; Assistant Professor, 1911.
- Rider, Arthur John, B.S., M.S., Instructor in Chemistry, 1917. Assistant, 1916.
- Ries, Heinrich, Ph.B., A.M., Ph.D., Professor of Geology, 1906. Instructor, 1898; Assistant Professor, 1902.
- Riley, Howard Wait, M.E., Professor of Rural Engineering, 1912. Instructor in Experimental Engineering, 1906; Instructor in Farm Mechanics, 1907; Assistant Professor, 1909.
- Robb, Byron Burnett, B.S. in Agr., M.S. in Agr., Professor of Rural Engineering, 1919. Assistant in Farm Mechanics, 1910; Instructor, 1911; Assistant Professor of Rural Engineering, 1913.
- Roberts, Isaac Phillips, M.Agr., Emeritus Professor of Agriculture, 1903. Assistant Professor of Agriculture, 1873; Professor of Agriculture, 1874; Director of Agricultural Experiment Station, 1888; Director of College of Agriculture, 1890; Dean of Faculty of Agriculture, 1896; Lecturer in Agriculture, 1903-1906.
- Robison, George Merritt, A.B., M.A., Ph.D., Instructor in Mathematics, 1919.
- Rodgers, Ralph Chapman, M.E., A.M., Instructor in Physics, 1907. Assistant, 1905.
- Roehl, Louis M., Instructor in Rural Engineering, 1919.
- Rogers, Fred Stillman, B.S., M.E., Assistant Professor of Machine Design, 1918. Instructor, 1914.
- Rogers, John, A.B., Ph.D., M.D., Professor of Clinical Surgery, Department of Surgery, 1909. New York City. Instructor, 1898.
- Roper, Joseph Charles, M.D., Instructor in Clinical Medicine, Department of Pediatrics, 1918. New York City. Assistant in Histology, 1901-1904; 1904-1906; Clinical Instructor in Medicine, Department of Pediatrics, 1911.
- Rose, Flora, B.S., M.A., Professor of Home Economics, 1911. Lecturer, 1907.
- Ross, Harold Ellis, B.S.A., M.S. in Agr., Professor of Dairy Industry, 1912. Assistant, 1906; Instructor, 1907; Assistant Professor, 1909.
- Rothwell, Alice, A.B., Instructor in Physics, 1919. Assistant, 1917.
- Rotunda, Dominick Peter, A.B., Instructor in the Romance Languages and Literatures, 1919.
- Rowlee, Willard Winfield, B.L., D.Sc., Professor of Botany in the College of Arts and Sciences, 1906. Instructor, 1889; Assistant Professor, 1893.
- Saby, Maude Emily Sanford, B.S., Instructor in Home Economics, 1918.
- Saby, Rasmus S., Ph.D., Assistant Professor of Political Science, 1912. Assistant, 1909; Instructor in Economics, 1910.
- Sampson, Martin Wright, B.A., M.A., Goldwin Smith Professor of English Literature, 1912. Acting Professor, 1908; Professor, 1909.
- Samuels, Bernard, M.D., Clinical Instructor in Surgery, Department of Ophthalmology, 1915. New York City.
- Sanders, Gerald DeWitt, B.A., M.A., Instructor in English, 1919.
- Sanderson, Dwight, B.S., B.S. in Agr., Professor of Rural Organization, 1918.
- Santee, Harold Elmore, A.B., M.D., Instructor in Operative Surgery, 1919. New York City. Assistant, 1913.
- Sarachan, Herman Albert, B.S. in M.E., Instructor in Machine Design, 1919.

- Savage, Elmer Seth, B.S. in Agr., M.S. in Agr., Ph.D., Professor of Animal Husbandry, 1913. Assistant, 1907; Instructor, 1908; Assistant Professor, 1910.
- Sawdon, Will Miller, B.S. in M.E., M.M.E., Professor of Mechanical Engineering, 1919. Instructor, 1904; Assistant Professor, 1908.
- Schindler, Theresa Elizabeth, B.A., M.S., Instructor in Floriculture, 1918.
- Schloss, Oscar M., M.D., Professor of Clinical Medicine, Department of Pediatrics, 1919. New York City.
- Schmidt, August, jr., M.E., Instructor in Power Engineering, 1919. Assistant, 1918.
- Schmidt, Nathaniel, A.B., A.M., Professor of Semitic Languages and Literatures, 1896.
- Schneck, Henry William, B.S., M.S.A., Assistant Professor of Vegetable Gardening, 1917. Instructor, 1913.
- Schoder, Ernest William, B.S., Ph.D., Professor of Experimental Hydraulics, 1919. Engineer in charge of the Hydraulic Laboratory, 1904; Assistant Professor of Experimental Hydraulics, 1905.
- Schroeder, Louis C., M.D., Instructor in Clinical Medicine, Department of Pediatrics, 1919. New York City.
- Schultze, Otto Henry, A.B., M.D., Professor of Medical Jurisprudence, 1917. New York City. Instructor, 1898; Lecturer, 1904; Assistant Professor of Pathological Anatomy, 1908, and Professor of Medico-Legal Pathology, 1912.
- Schwartz, Hans Jürgen, M.D., Instructor in Clinical Medicine, Department of Dermatology, 1917. New York City. Assistant, 1903; Clinical Instructor, 1906.
- Scofield, Herbert Henry, M.E., Assistant Professor of Materials, Civil Engineering, 1919.
- Scofield, James Harry, B.S. in M.E., Instructor in Machine Design, 1919.
- Seery, Francis Joseph, Bach. Mech. Sci., Professor of Civil Engineering, 1919. Instructor, 1905; Assistant Professor, 1907.
- Seulke, Karl John, B.S., M.S., Ph.D., Professor of Animal Husbandry, 1919. Instructor, 1914; Assistant Professor, 1917.
- Severance, Mildred, A.B., Instructor in Physics, 1917. Assistant, 1913.
- Shaffer, Newton Melman, M.D., Emeritus Professor of Clinical Surgery, Department of Orthopedics, 1912, and of Orthopedic Surgery, 1913. Professor of Orthopedic Surgery, 1898; Professor of Orthopedics, 1900; Professor of Clinical Surgery, Department of Orthopedics, 1906-1911.
- Sharp, Lester Wayland, B.S., Ph.D., Assistant Professor of Botany in the College of Agriculture, 1916. Instructor, 1914.
- Sharpe, Francis Robert, B.A., Ph.D., Professor of Mathematics, 1919. Assistant, 1905; Instructor, 1906; Assistant Professor, 1910.
- Shearer, John Sanford, B.S., Ph.D., Professor of Physics, 1909. (Absent on leave, second term.) Assistant, 1893; Instructor, 1894; Assistant Professor, 1903.
- Sheldon, William Hills, M.D., Assistant Professor of Clinical Medicine, 1916. New York City. Assistant, 1910; Instructor, 1911.
- Shellenberger, Rolfe, B.S. in M.E., Instructor in Machine Design, 1919.
- Sicard, Montgomery Hunt, B.S., M.D., Instructor in Therapeutics, 1910. New York City. Instructor in Physical Diagnosis, 1901-1917.
- Siler, Laurence Norman, M.E., Instructor in Experimental Engineering, 1919.
- Simpson, Sutherland, D.Sc., M.D., F.R.S.E., Professor of Physiology, 1908.
- Smiley, Edwina Maria, B.A., Instructor in Plant Pathology, 1917. Assistant, 1916.
- Smith, Albert William, B.M.E., M.M.E., Professor of Power Engineering and Dean of Sibley College, 1904; Acting President, April 3-June 5, 1920. Assistant Professor, 1887-1891.
- Smith, Frederick Manning, A.B., B.A., Instructor in English, 1918.
- Smith, Frederick Miller, A.B., Assistant Professor of English, 1918. Instructor, 1910.
- Smith, Gladys Elizabeth, B.S., Instructor in Home Economics, 1917.
- Smith, Harmon, A.B., M.D., Professor of Clinical Surgery, Department of Laryngology and Rhinology, 1913. New York City.

- Smyth, Donald De Cou, B.S., Instructor in Geology, 1919.
- Sneed, L. T., M.D., Instructor in Applied Anatomy, 1919. New York City.
- Snyder, Virgil, B.S., A.M., Ph.D., Professor of Mathematics, 1910.
Instructor, 1895; Assistant Professor, 1903.
- Soule, William L., M.D., Clinical Instructor in Anaesthesia, Department of Surgery, 1916. New York City.
- Spraragen, Louis, B.S. in E.E., Instructor in Electrical Engineering, 1919; and Instructor in Mathematics, 1920.
- Spring, Samuel Newton, A.B., M.F., Professor of Silviculture, 1917.
Professor of Forestry, 1912.
- Stagg, Charles Tracey, LL.B., Professor of Law, and Secretary of the College, 1914. Instructor, 1908; Assistant Professor of Law, 1909.
- Stechmann, Frederick W., M.D., Clinical Instructor in Medicine, Department of Neurology, 1918. New York City.
- Stephens, Richmond, M.D., Clinical Instructor in Surgery, Department of Orthopedic Surgery, 1917. New York City.
- Stephenson, Hadley Carruthers, B.S., Instructor in Veterinary Medicine, 1919.
Instructor in Materia Medica and Small Animal Clinic, 1919.
- Stephenson, J. W., M.D., Clinical Instructor in Medicine, Department of Neurology, 1918. New York City.
- Stevens, Shepherd, A.B., A.D.G., Assistant Professor of Architecture, 1915.
- Stewart, Fred Carlton, M.S., Professor of Plant Pathology, 1920.*
- Stewart, Fred Waldorf, A.B., Instructor in Neurology, 1919.
Assistant in Histology and Embryology, 1915; Instructor in Anatomy, 1918.
- Stewart, Rolland Maclaren, B.A., Ph.D., Professor of Rural Education, 1918.
Acting Professor, 1918.
- Stillman, Ralph G., M.D., Instructor in Clinical Medicine, 1912. New York City.
- Stimson, Philip M., M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1919. New York City.
- Stockard, Charles Rupert, B.S., M.S., Ph.D., Professor of Anatomy, 1911. New York City. Assistant in Embryology and Histology, 1906; Instructor in Comparative Morphology, 1908; Assistant Professor, 1909.
- Stocking, William Alonzo, jr., B.Agr., B.S.A., M.S. in Agr., Professor of Dairy Industry, 1909.
Assistant Professor, 1906; Acting Director of the College of Agriculture, 1913-1914.
- Stone, John Lemuel, B.Agr., Emeritus Professor of Farm Practice, 1919.
Assistant, 1897; Assistant Professor, 1903; Professor, 1907.
- Strain, William Peter, M.D., Instructor in Clinical Medicine, Department of Pediatrics, 1919. New York City.
- Strong, Lawrence W., M.D., Instructor in Gynecological Pathology, 1918. New York City.
- Strunk, William, jr., A.B., Ph.D., Professor of English, 1909. Instructor, 1891; Assistant Professor, 1899.
- Sumner, James Batcheller, Ph.D., Assistant Professor of Biochemistry in the Department of Physiology, 1914.
- Sunderville, Earl, D.V.M., Assistant Professor of Veterinary Anatomy, 1913. Assistant, 1908; Instructor, 1909.
- Sweet, Alfred Henry, A.B., A.M., Ph.D., Acting Assistant Professor of English History, 1917. Assistant, 1914-1916.
- Switzer, Frederick George, M.E., Assistant Professor of Hydraulics, 1917. Instructor, 1916.
- Tailby, George Walter, jr., B.S.A., Instructor in Animal Husbandry and Superintendent of Live Stock, 1907.
- Tanner, John Henry, B.S., Ph.D., Professor of Mathematics, 1904. Instructor, 1892; Assistant Professor, 1894.

*By affiliation with the New York State Experiment Station at Geneva.

- Taylor, Alfred S., M.D., Professor of Clinical Surgery, 1918. New York City. Lecturer on the Peripheral Nervous System, 1910; Lecturer on Surgery, 1911; Assistant Professor of Operative Surgery, 1913; Professor of Operative Surgery, 1914.
- Thilly, Frank, A.B., Ph.D., LL.D., Professor of Philosophy, 1906; and Dean of the College of Arts and Sciences, 1915. Instructor, 1892-1893.
- Thompson, Homer Columbus, B.Sc., Professor of Vegetable Gardening, 1918.
- Thompson, Warren Simpson, A.B., A.M., Ph.D., Acting Professor of Rural Organization, 1919.
- Thompson, William Gilman, Ph.B., M.D., Emeritus Professor of Medicine, 1916. New York City. Professor of Medicine, 1898.
- Thro, William Crooks, B.S.A., A.M., M.D., Assistant Professor of Clinical Pathology, 1910. New York City. Assistant, 1901; Instructor, 1902-1905; 1910.
- Titchener, Edward Bradford, A.B., A.M., Ph.D., LL.D., D.Sc., Litt.D., Sage Professor of Psychology in the Graduate School, 1910; Lecturer in Psychology, 1912. Assistant Professor, 1892; Professor, 1895.
- Torrey, John Cutler, A.B., Ph.D., Professor of Hygiene, 1915. New York City. Assistant Instructor, 1903; Instructor and Lecturer on Hygiene, 1909; Assistant Professor of Experimental Pathology, 1910.
- Townsend, Clarence Ellsworth, M.E., Assistant Professor of Machine Design, 1919. Instructor, 1910; Acting Assistant Professor, 1918.
- Townsend, Jay Griffith, D.V.M., Instructor in Veterinary Surgery, 1919.
- Trevor, Joseph Ellis, Ph.D., Professor of Thermodynamics, 1908. Assistant Professor of Chemistry, 1892; Assistant Professor of General and Physical Chemistry, 1894; Professor, 1900; Professor of Physical Chemistry, 1903.
- Troy, Hugh Charles, B.S. in Agr., Professor of Dairy Industry, 1912. (Absent on leave, first term.) Assistant, 1897.
- Turnure, Percy R., M.D., Assistant Professor of Clinical Surgery, Department of Surgery, 1916. New York City.
- Tyndall, Edward Philip Theodore, B.A., Instructor in Physics, 1919. Assistant, 1916.
- Tyrrell, William David, M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1908. New York City.
- Udall, Denny Hammond, B.S.A., D.V.M., Professor of Veterinary Medicine, 1910; and Director of Ambulatory Clinic, 1914. Demonstrator, 1900-1901; Acting Professor, 1908.
- Underwood, Francis Omar, B.S., Instructor in Farm Crops, 1920.
- Underwood, Paul Halladay, C.E., Assistant Professor of Topographic and Geodetic Engineering, 1912. Instructor in Civil Engineering, 1907.
- Upton, George Burr, M.E., M.M.E., Professor of Experimental Engineering, 1919. Instructor, 1905; Assistant Professor, 1910.
- Urquhart, Leonard Church, C.E., Assistant Professor of Civil Engineering, 1918. Instructor, 1911.
- Usher, Abbott Payson, A.B., A.M., Ph.D., Assistant Professor of Economics, 1914. Instructor, 1910.
- Vance, Benjamin Morgan, M.D., Instructor in Surgical Pathology and Pathologist to the Second Division, Bellevue Hospital, 1915. New York City.
- Vandegrift, George W., A.M., M.D., Clinical Instructor in Surgery, Department of Ophthalmology, 1911. New York City.
- van der Does de Bye, Arnoud Jacob Joris, M.E., Instructor in Experimental Engineering, 1918. Instructor in Machine Design, 1912-1916.
- Vandiver, Harry Shultz, Instructor in Mathematics, 1919.
- Van Fleet, M.E., M.D., Clinical Instructor in Medicine, Department of Neurology, 1918. New York City. Clinical Assistant, 1915.
- Van Rensselaer, Martha, A.B., Professor of Home Economics, 1911. Supervisor of Farmers' Wives' Reading Course, 1903; Lecturer, 1907.

- Van Slyke, Lucius Lincoln, Ph.D., Professor of Dairy Industry, 1920.*
- Van Volkenberg, Horatio Luther, D.V.M., B.S., Instructor in Pathology and Bacteriology, Veterinary College, 1919.
Instructor in Materia Medica and Small Animal Clinic, 1918.
- Wakeman, Seth, B.A., M.A., Instructor in Education, 1919.
- Walker, Charles Leopold, C.E., Assistant Professor of Sanitary Engineering, 1912.
Instructor in Civil Engineering, 1905; Assistant Professor of Applied Mechanics, 1908.
- Wallace, Charleton, M.D., Professor of Clinical Surgery, Department of Orthopedic Surgery, 1914. New York City. Assistant Professor, 1913.
- Wann, Frank Burkett, B.S., Instructor in Botany, College of Agriculture, 1916.
- Ward, George Gray, jr., M.D., Professor of Clinical Surgery, Department of Gynecology, 1920. Instructor, 1898; Assistant Professor, 1916; Associate Professor 1917.
- Warner, Annette J., Acting Professor of Home Economics, 1919.
Assistant Professor of Design in the Department of Home Economics, 1913; Assistant Professor of Home Economics, 1917.
- Warren, George Frederick, jr., B.Sc., B.S.A., M.S.A., Ph.D., Professor of Farm Management, 1909. Assistant Professor of Agronomy, 1906.
- Way, Walter Denslow, D.V.M., Instructor in Materia Medica and Small Animal Clinic, 1919. Instructor in Veterinary Medicine, 1917.
- Weber, John Leroy, C.E., Acting Assistant Professor of Hydraulics, 1919.
- Weeks, Lewis George, A.B., Instructor in Geology, 1919.
- Weld, Harry Porter, Ph.B., Ph.D., Professor of Psychology, 1919.
Assistant Professor of Psychology, 1912.
- Wellhouse, Walter Housley, A.B., A.M., Instructor in Entomology, 1919.
Assistant, 1917; Instructor, 1918.
- Wells, Albert Edward, Professor of Machine Construction, 1916.
Foreman of Machine Shop, 1904; Superintendent of Shops, 1905; Assistant Professor, 1912.
- Whetzel, Herbert Hice, A.B., A.M., Professor of Plant Pathology, 1909.
Assistant, 1903; Assistant Professor, 1906.
- White, Andrew Curtis, A.B., Ph.D., Reader in Greek, 1903, and Assistant Librarian, 1889. Instructor in Latin, 1885-1886; Instructor in Greek and Latin, 1886-1888; Instructor in Latin, 1888-1889; Instructor in Greek, 1898-1899; Reader in Greek, 1899-1901.
- White, Edward Albert, B.S., Professor of Floriculture, 1913.
- White, Georgia Laura, Ph.B., Ph.D., Adviser of Women, 1918.
- Whiteside, Horace Eugene, A.B., Instructor in Physical Education, 1919.
- Whiting, Frederick, A.M., M.D., Professor of Clinical Surgery, Department of Otology, 1904. New York City.
- Whiting, William Alonzo, B.S., Instructor in Dairy Industry, 1917.
- Wichelns, Herbert August, A.B., Instructor in Public Speaking, 1920.
Assistant, 1916; Instructor, 1917-1918.
- Wiegand, Karl McKay, B.S., Ph.D., Professor of Botany in the College of Agriculture, 1913. Assistant, 1894; Instructor, 1899-1907.
- Wiggans, Roy Glen, B.S., in Agr., M.S. in Agr., Assistant Professor of Farm Crops, 1919. Assistant in Agronomy, 1914; Instructor in Farm Crops, 1915-1916; 1917.
- Wilber, David Truxton, A.B., Instructor in Physics, 1918. Instructor in Mineralogy and Petrography, 1912-1914; Assistant in Mineralogy and Petrography, 1917.
- Wilder, Burt Green, B.S., M.D., Emeritus Professor of Neurology and Vertebrate Zoology, 1910.
Professor of Comparative Anatomy and Zoology, 1867; Professor of Physiology, Anatomy, and Zoology, 1878; Professor of Physiology, Vertebrate Zoology and Neurology, 1893; Professor of Neurology and Vertebrate Zoology, 1905.
- Wilensky, A. O., M.D., Instructor in Operative Surgery, 1919. New York City.

*By affiliation with the New York State Agricultural Experiment Station at Geneva.

- Willcox, Walter Francis, A.B., LL.B., A.M., Ph.D., LL.D., Professor of Economics and Statistics, 1910.
Instructor in Logic, 1891; Assistant Professor of Social Science and Statistics and Political Economy, 1892; Assistant Professor of Social Science and Statistics, 1893; Associate Professor, 1894; Professor, 1898; Professor of Political Economy and Statistics, 1901; Dean of the Faculty of Arts and Sciences, 1901-1907.
- Williams, Walter Long, Professor of Obstetrics and Research Professor of the Diseases of Breeding Cattle, 1915.
Professor of Principles and Practice of Veterinary Surgery, Zootechny, Obstetrics, and Jurisprudence, 1896; Professor of Veterinary Surgery and Obstetrics and Investigator of Diseases of Young Animals and Breeding Cattle, 1914.
- Williamson, Harvey C., M.D., Instructor in Obstetrics, 1917. New York City.
- Wilson, Benjamin Dunbar, B.S., M.S., Assistant Professor of Soil Technology, 1919. Assistant, 1915; Instructor, 1917.
- Wilson, James Kenneth, B.S., Ph.D., Professor of Soil Technology, 1919.
Assistant in Plant Physiology, 1912; Instructor and Investigator in Botany, 1913; Assistant Professor of Soil Technology, 1914.
- Wilson, May G., M.D., Clinical Instructor in Medicine, Department of Pediatrics, 1918. New York City.
- Wilson, Wilford Murry, M.D., Professor of Meteorology, 1910.
Lecturer, 1906; Instructor, 1907.
- Winans, James Albert, A.B., A.M., LL.B., Professor of Public Speaking, 1914.
Instructor, 1899; Acting Assistant Professor, 1901; Instructor, 1903; Assistant Professor, 1904.
- Wing, Henry Hiram, B.Agr., M.S. in Agr., Professor of Animal Husbandry, 1903.
Instructor in Dairy Industry, 1890; Assistant Professor of Animal Husbandry and Dairy Industry, 1891.
- Wing, Lucius A., B.S., M.D., Clinical Instructor in Surgery, 1912. New York City.
- Winters, Joseph Edcil, M.D., Emeritus Professor of Pediatrics, 1919. New York City. Professor, 1898.
- Wood, Edgar Harper, M.E., M.M.E., Professor of Mechanics of Engineering, 1910. Instructor in Drawing, 1899; Assistant Professor of Machine Design, 1907.
- Woodruff, Edwin Hamlin, LL.B., Professor of Law, 1896; Dean of the College of Law, 1916. Instructor in English, 1888-1890; Acting Dean, 1914-1916.
- Woolsey, George, A.B., M.D., Professor of Clinical Surgery and Anatomy, 1898. New York City.
- Worcester, James, M.D., Instructor in Clinical Surgery, 1915. New York City.
- Works, George Alan, Ph.B., M.S. in Agr., Professor of Rural Education, 1914.
- Wrenker, Benne Maurice, M.D., Instructor in Clinical Medicine, Department of Pediatrics, 1919. New York City.
- Wright, Albert Hazen, A.B., A.M., Ph.D., Assistant Professor of Zoology, 1915.
Assistant in Neurology and Vertebrate Zoology, 1905; Instructor, 1908.
- Wright, Ivan, B.A., B.S., M.S., Instructor in Rural Economy, 1918.
Assistant, 1917.
- Yeomans, Mabel Ford, A.B., Instructor in Public Speaking, 1919.
- Young, Allyn Abbott, Ph.B., Ph.D., Professor of Economics and Finance, 1913.
- Young, Benjamin Percy, B.S., Assistant Professor of Zoology, 1919.
Instructor in Entomology, 1917.
- Young, Charles Van Patten, A.B., Professor of Physical Education and Director of the Gymnasium, 1906. Acting Professor, 1904.
- Young, George, jr., B.Arch., Professor of the Theory of Construction in the College of Architecture, 1915.
Assistant Professor, 1909.
- Young, Helen Binker, B.Arch., Assistant Professor of Home Economics, 1911.
Instructor, 1910.
- Zapata y Torres, Miguel, Instructor in the Romance Languages and Literatures, 1917.
- Zigler, Michael Jacob, A.B., A.M., Instructor in Psychology, 1918.

EXTENSION STAFF OF THE COLLEGE OF AGRICULTURE*

- Adams, Robert Morrill, B.S., A.B., Assistant Extension Professor of Farm Crops, 1920.
- Ayres, Winfred Enos, Extension Instructor in Dairy Industry, 1915.
Instructor, 1914.
- Babcock, Howard Edward, Ph.B., State Leader of County Agents and Assistant Professor in Extension Service, 1917.
Assistant State Director of Farm Bureaus, and Assistant Professor, Department of Farm Bureaus, 1914.
- Barron, John Hall, B.S.A., Assistant Extension Professor of Farm Crops, 1915.
- Behrends, Frederick Gardner, B.S., Assistant Extension Professor of Rural Engineering, 1919. Instructor, 1916-1917.
- Bertrams, Mathilda E., Ph.B., Extension Instructor in Home Economics, 1919.
- Blodgett, Warren Kendall, A.B., Assistant Extension Professor of Rural Engineering, 1917.
- Botsford, Harold Eugene, B.S., Extension Instructor in Poultry Husbandry, 1918.
Assistant, 1916.
- Boutelle, Clarence Alfred, Assistant Extension Professor of Animal Husbandry, 1916.
- Boyle, James Ernest, A.M., Ph.D., Extension Professor of Rural Economy, 1917.
- Brew, James D., B.S., Assistant Extension Professor of Dairy Industry, 1919.
- Brewer, Sarah Lucile, B.S., Assistant Extension Professor of Home Economics, 1919. Instructor, 1916; Assistant Professor, 1918.
- Bussell, Frank Pores, B.A., Assistant Extension Professor of Plant Breeding, 1919.
Extension Instructor, 1917.
- Canon, Helen, B.A., B.S., Assistant Extension Professor of Home Economics, 1918. Assistant, 1915; Extension Instructor, 1917.
- Chupp, Charles, A.B., Ph.D., Assistant Extension Professor of Plant Pathology, 1919. Assistant, 1912; Instructor, 1914; Extension Instructor, 1917.
- Collingwood, G. Harris, B.S., Assistant Extension Professor of Forestry, 1916.
- Coryell, Jay, Assistant State Leader of County Agents, 1917.
- Dunn, Percy Lawrence, B.S., Instructor in Extension Service, 1919.
Assistant in Farm Management, 1918; Assistant in Extension Teaching, 1919.
- Freer, Florence, D. S. Dip., State Home Demonstration Agent Leader, Extension Service, 1919.
- French, Irene, Extension Instructor in Home Economics, 1920.
- Gilkey, Royal, B.S. in Agr., Assistant Professor in Extension Service, 1917, and Supervisor of Reading Courses, 1911. (Absent on leave.)
Instructor, 1911; Assistant Professor of Extension Teaching, 1914.
- Goodman, Alpheus M., B.S.A., Extension Instructor in Rural Engineering, 1919.
- Gustafson, Axel Ferdinand, B.S., M.S., Extension Instructor in Soil Technology, 1920.
- Hurd, Lewis Merwin, Extension Instructor in Poultry Husbandry, 1914.
Assistant 1909.
- Johnson, Emma, B.S., Assistant State Leader, Junior Extension, Department of Rural Education, 1919.
- Krum, Walter Gernet, Extension Instructor in Poultry Husbandry, 1917.
Assistant, 1912; Instructor, 1916.
- Leonard, Mortimer Demarest, B.S., Extension Instructor in Entomology, 1917.
Assistant, 1912.
- McLean, Edward E., Extension Instructor in Soil Technology, 1919.
- McNeal, Nancy Hill, Ph.B., Assistant Extension Professor of Home Economics, 1919. Instructor, 1917; Extension Instructor, 1918.

*This list does not include the extension teachers who are members of the faculty.

- Maddy, John Churchill, B.S., Extension Instructor in Animal Husbandry, 1919.
Assistant, 1918; Instructor, 1918.
- Measday, Walter, Assistant in Extension Teaching, 1919.
- Milliman, Thomas Everal, Assistant County Agent Leader, Extension Service, 1919.
- Norton, Laurence Joseph, B.S., Extension Instructor in Farm Management, 1919.
Instructor, 1917-1919.
- Nye, Claribel, B.S., Assistant Extension Professor of Home Economics, 1919.
Assistant, 1913; Extension Instructor, 1917; Instructor, 1918.
- Ogle, Robert Carroll, Extension Instructor in Poultry Husbandry, 1918.
- Porter, Joseph Pullman, B.S., Extension Instructor in Landscape Art, 1919.
Assistant, 1917; Instructor, 1917.
- Ranney, Edith Sara, B.S., Extension Instructor in Home Economics, 1919.
- Reynolds, Ellen Ann, B.S., M.S., M.A., Extension Instructor in Home Economics, 1920.
- Robertson, F. E., Assistant County Agent Leader, Extension Service, 1919.
- Robinson, Montgomery, Litt.B., B.S., Assistant Professor in Extension Service, 1917. Assistant, 1913; Instructor, 1914; Assistant Professor of Extension Teaching, 1916.
- Rothwell, James Lee, B.S., Assistant in Extension Teaching, 1920.
- Royce, Charles Howard, B.S. in Agr., M.S. in Agr., Assistant Extension Professor of Animal Husbandry, 1916.
- Scholes, Bonnie Elizabeth, Assistant Extension Professor of Home Economics, 1919.
- Scoville, Gad Parker, B.S. in Agr., Assistant Extension Professor of Farm Management, 1917. Assistant Professor, 1914.
- Smith, Francis Chauncey, B.S., Extension Instructor in Farm Crops, 1919.
Assistant, 1918.
- Smith, Mark J., B.S., Assistant Extension Professor of Animal Husbandry, 1917.
- Smith, Ruby Green, A.B., A.M., Ph.D., Assistant State Home Demonstration Agent Leader, Extension Service, 1919.
- Snook, Esther, B.S., Assistant State Home Demonstration Agent Leader, Extension Service, 1919.
- Steve, Norman Damon, B.S., Extension Instructor in Rural Engineering, 1919.
Instructor, 1913-1915; 1919.
- Stevenson, Charles R., B.S., Extension Instructor in Plant Pathology, 1919.
Instructor, 1918.
- Thurston, Flora Martha, B.S., Extension Instructor in Home Economics, 1919.
- Toan, Lewis Austin, B.S.A., Assistant County Agent Leader, Extension Service, 1919.
- Vinson, Carl G., Extension Instructor in Pomology, 1919.
- Voorhees, John Haring, B.S., Assistant Extension Professor of Farm Crops, 1918.
- Wehrle, Lawrence Paul, B.S., M.S., Extension Instructor in Entomology, 1918.
- Wheeler, Ralph Hicks, B.S., Professor in Extension Service, 1917.
Assistant, 1909; Instructor 1910; Assistant Professor of Extension Teaching, 1912.
- Whitney, Cass Ward, B.S., Instructor in Extension Service, 1917.
Instructor in Extension Teaching, 1913.
- Worthen, Edmund Louis, B.S., M.S.A., Extension Professor of Soil Technology, 1919.
- Wright, William Joseph, B.S., M.S., Extension Professor of Rural Education, and State Leader of Junior Extension Work, 1918.
- Young, Ernest Charles, B.S., Extension Instructor in Farm Management, 1919.
Assistant in Animal Husbandry, 1917; Extension Instructor in Farm Management, 1918; Instructor, 1918.
- Young, Harry P., B.S., Extension Instructor in Farm Management, 1919.
Instructor, 1918.

ASSISTANTS

Adelmann, Howard Bernhardt, Histology and Embryology.
Allen, Howard Bushnell, B.S.A., Rural Education.
Allen, Howard George, Mechanics.
Allen, Robert B., Rural Engineering.
Allman, Druard Nunez, Farm Crops.
Anderson, Ethel L., A.B., Histology and Embryology.
Armstrong, Edward McPherson, M.D., Clinical Surgery, New York City.
Atkinson, Jerome Thomas, Physical Training.
Baldwin, Dane Lewis, A.B., M.A., English.
Barclay, Alexander James, Zoology.
Barrett, Willard Riehlman, Chemistry.
Bartlett, Willard John, Chemistry.
Bassett, James Wellington, Chemistry.
Bedient, Harold Arthur, A.B., Chemistry.
Berkoff, Henry S., Zoology.
Berney, Lawrence S., Machine Shop.
Bishop, Homer Guy, B.S., M.S., M.A., Psychology.
Blackburn, Paul Vincent, Chemistry.
Blanchard, John D., Economics.
Blanche, Herbert Martin, Landscape Art.
Bohrer, Jack V., M.D., Clinical Surgery, New York City.
Bolling, Richard W., M.D., Clinical Surgery, New York City.
Branch, Hazel Elizabeth, B.A., M.A., Biology.
Brandes, George Henry, B.Chem., Chemistry.
Britt, Robert Emery, Rural Engineering.
Bull, Arthur Walker, B.Chem., Chemistry.
Burr, Emily T., A.B., Pathology, New York City.
Bush, Howard Stanley, Pattern Shop.
Bush, Ralph Raymond, Power Engineering.
Buys, John Levenus, B.S., Entomology.
Card, Dana George, B.S., Farm Management.
Carlson, Fred Albert, B.S., Soil Technology.
Carpenter, Edwin John, jr., A.B., Economics.
Cassassa, Charles S. B., A.B., M.D., Pathological Anatomy, New York City.
Chamberlain, Walter Edwin, B.S., Rural Education.
Chardon, Carlos Eugenio, B.S., Plant Pathology.
Christian, Cyrus Marvin, Zoology.
Christian, Joseph Howard, Civil Engineering.
Churchill, C. H., Physics.
Clarke, Warren Hines, Electrical Engineering.
Clinton, C. L., Physics.
Clum, Harold Hayden, A.B., Botany.
Cockcroft, M. L., Physics.
Cooke, Reginald, A.B., Ph.D., Philosophy.
Cooke, Robert Anderson, A.B., A.M., Lecturer in Applied Immunology, New York City.
Corey, Robert Brainard, B.Chem., Chemistry.
Cormany, Charles Evans, B.S.A., Farm Crops.
Cornwell, Ralph Thomas Kline, B.Chem., Chemistry.
Corrington, Julian Dana, A.B., Zoology.
Craig, Stewart L., M.D., Otology, New York City.
Craig, William Thomas, Plant Breeding.
Culley, P. G., Physics.
Curphey, James Dodds, Chemistry.
Cutler, P. C., Floriculture.
Daniels, Francis Wallin, Physics.
Davis, Harry E., Machine Shop.
Desson, Leonard Joseph, Veterinary Anatomy.
DeWitt, Clarence J., Forge Shop.

Dimmick, Forrest Lee, A.B., Psychology.
Dominick, John Henry, Physical Education.
Dorsey, Ernest, B.S., Plant Breeding.
DuBois, Phebe L., M.D., Clinical Medicine, New York City.
Dudley, Guilford S., M.D., Clinical Surgery, New York City.
Dunlap, Vining Campbell, A.B., Botany.
Eckley, Paul Witherspoon, A.B., Anatomy.
Edmonson, Ellen, A.B., Entomology.
Edwards, D. J., Ph.D., Lecturer on Physiology, New York City.
Einhorn, Max, M.D., Lecturer on Diseases of the Stomach, New York City.
Elliot, William Perry, A.B., Anatomy.
Elmhirst, Leonard Knight, B.A., M.A., English.
Epstein, J., M.D., Pediatrics, New York City.
Eschweiler, Carl Ferdinand, Physical Education.
Everett, John S., B.S., Forestry.
Everingham, Sumner, M.D., Clinical Surgery, New York City.
Eyster, Lewis A., A.B., Plant Breeding.
Fernald, Evelyn Ida, A.B., Botany.
Finkelstein, Joseph George, A.B., Economics.
Fisher, Howard Stockman, Rural Engineering.
Fisher, Walton Isaac, Plant Breeding.
Fletcher, Robert James, B.Chem., Chemistry.
Flint, Joseph Howard, Chemistry.
Forbes, William Trowbridge Merrifield, Biology.
Force, Albert William, Plant Pathology.
French, Walter Hoyt, English.
Fuller, James W., Veterinary Pathology and Bacteriology.
Gabriel, Ellen Wigsten, B.A., M.A., Rural Organization.
Gabriel, Harry S., B.S., Rural Education.
Galvin, John W., Physical Education (Boxing).
Gaskill, Gussie Esther, A.B., A.M., Modern European History.
Georgia, Ada Elgiva, Natural History.
Gillis, Merl Conrad, B.S. in Agr., Plant Breeding.
Glaser, Jerome, A.B., Anatomy.
Goldschmidt, Samuel, M.D., Lecturer on Physiology, New York City.
Gordon, Chauncey Jerome, English.
Gottchalk, Louis, B.A., Ancient History.
Graybeal, Henry Clay, A.B., Rural Education.
Green, Dana B., Machine Shop.
Griffin, Frank Alexander, Chemistry.
Gustin, William J., Physical Training (Boxing).
Hale, Charles Brockway, English.
Halperin, Herman, Electrical Engineering.
Hansson, Kristian Gosta, Physical Education.
Harris, Dorothy Margaret, B.A., Geology.
Hartt, Harold Arthur, Physics.
Hausman, Ethel Hinckley, Entomology.
Hawley, George W., M.D., Lecturer on Fractures, New York City.
Head, Walter Liston, Forge Shop.
Helps, Andrew James Ronald, Chemistry.
Hemmer, Andrew Joseph, Chemistry.
Hemphill, Raymond John, Chemistry.
Herman, Harold, M.D., Pediatrics, New York City.
Hickey, J. F., Physics.
Hillhouse, Eleanor, B.S., Home Economics.
Hitchcock, Raymond Owen, Histology and Embryology.
Hoel, Archie Bernhard, B.A., Chemistry.
Hogan, Agnes Cecilia, B.S., Zoology.
Holland, Robert Thomas, A.B., A.M., B.D., Psychology.
Holt, William Stull, American History.
Homan, Carroll Livingston, Electrical Engineering.

Hooper, Leroy, Pattern Shop.
Hopper, Marjorie, A.B., Chemistry.
Humphrey, Rufus R., A.B., Histology and Embryology.
Hunn, Charles Edward, Landscape Art.
Jacobs, Richard, Wood Shop.
Jenkins, Erwin W., B.S., Pomology.
Jennings, Burton Aaron, Rural Engineering.
Jensen, Ward C., B.S., Farm Crops.
Jones, Merton W., Physics.
Kennedy, Harvey Thomas, Physics.
Kennedy, James Arthur, A.B., Chemistry.
Kennedy, Robert Charles, Physics.
Kennedy, Roy James, Physics.
Kittredge, Linus Emerson, Physics.
Kleegman, Anna, M.D., Pediatrics, New York City.
Kline, Emil, Chemistry.
Kurtz, Chester Allen Rock, Heat-Power Engineering.
Lamoureux, Vincent Branner, Rural Engineering.
Lang, Frederick Robert, Chemistry.
Lathrop, Frank Waldo, A.B., M.S.A., Rural Education.
Laubengayer, Albert Washington, Chemistry.
Leonard, Margery Wheldore, B.A., Plant Pathology.
Leppart, John Culvert, B.Chem., Chemistry.
Lewis, Benjamin F., Physics.
Lindsley, Luther Campbell, B.A., Chemistry.
Lippincott, William LeRoy, B.Chem., Chemistry.
Lippitt, Maxwell Walthour, Chemistry.
Littlewood, W., Mechanics.
Livant, Julius, Chemistry.
Lufkin, Harold Marshall, Mathematics.
McElfresh, John Lister, Chemistry.
MacKenzie, Hugh, A.B., English History.
McMullen, Eleanor C., Zoology.
McTaggart, Alexander, B.S.A., M.S., in Agr., Soil Technology.
Markley, Alton LeFevre, B.S., Agricultural Chemistry.
Martin, Willis Elwin, Chemistry.
May, Frederick Arthur, Physics.
Mertens, Jacob, jr., Public Speaking.
Metzger, Herman Arthur, Physics.
Middleton, Gordon Kennedy, B.S., Farm Crops.
Mills, Adrian Morse, Veterinary Pathology and Bacteriology.
Moody, Alden Howard, B.S., Chemistry.
Moore, Roy Wallace, B.S., Agricultural Chemistry.
Morgan, Godfrey, jr., Physics.
Mulcahy, Thomas A., M.D., Otology, New York City.
Muller, Henry Richard, A.B, M.D., Pathology, New York City.
Murphy, Helen Elizabeth, B.S., Biology.
Neal, Josephine B., M.D., Medicine, New York City.
Nill, Frederick, B.Chem., Chemistry.
Norris, Leo Chandler, B.S., Animal Husbandry.
Norwood, Stanley Marion, Chemistry.
Odessy, Herman Paul, Civil Engineering.
Orton, Malcolm Fuller, Economics.
Paddon, William Wallace, Physics.
Palmer, Douglas, M.D., Anatomy, New York City.
Pepper, Benjamin, A.B., English History.
Perce, Charles Clifford, Farm Practice.
Perry, Raymond Arnold, B.S., Dairy Industry.
Phillips, L. S., Assistant in Soil Technology.
Pierce, William Marion, A.B., Physics.
Pittman, Ernest Edgar, B.S. in Agr., Dairy Industry.

Pitts, James T., Soil Technology.
Pollard, Frank Howell, B.Chem., Chemistry.
Poore, Harriet Winship, A.B., Physical Education.
Poritsky, Hillel, Mathematics.
Price, Harry William, Machine Shop.
Price, Walter Van, B.S., Dairy Industry.
Purdy, Alvin Canfield, Chemistry.
Purdy, Donald MacLean, Physics.
Rahe, Alfred Henry, M.D., Ph.D., Bacteriology, New York City.
Randolph, Lowell Fitz, Ph.B., Botany.
Rane, Fannie Coolbaugh, B.A., Botany.
Richmond, William Edwin, Machine Design.
Righter, Floyd Lester, A.B., Chemistry.
Ringer, A. I., M.D., Physiology, New York City.
Roberts, Hamilton Harvey, Power Engineering.
Robinson, Marvin Bert, B.S., Dairy Industry.
Ross, Morris Brookes, B.S., Agricultural Chemistry.
Russell, George Henry, B.S., Nature Study.
Rynalski, Henryk, Chemistry.
St. John, Ruth Anita, Geology.
Schmidt, William Stouffer, Electrical Engineering.
Schmutz, Frederick Charles, B.Chem., Chemistry.
Schnee, V. H., Chemistry.
Schradiack, Henry Edward, B.S., Agriculture.
Schroeder, Lloyd Herman, Histology and Embryology.
Scott, Merit, Physics.
Seamon, Emily J., M.D., Experimental Medicine, New York City.
Seltzer, William, Soil Technology.
Sevringhaus, L. R., Physics.
Shaw, Joseph Phippin, jr., Economics.
Sheldon, Pearl Gertrude, A.B., Ph.D., Geology.
Shemin, R., Physics.
Sherburne, Arthur John, B.Chem., Chemistry.
Sherman, Horace Arthur, Physics.
Sibley, Charles Kerr, Zoology.
Smith, Louis Edward, Dairy Industry.
Sprague, Thomas Oxnard, B.S., Pomology.
Stacy, Stanley Consider, Physics.
Stansky, Hyman, Economics.
Steczynski, Myron Edward, Physics.
Stevens, Donald R., Chemistry.
Stockett, John Wesley, Chemistry.
Stork, Harvey Elmer, A.B., Botany.
Stratton, Mildred Elizabeth, B.A., Botany.
Sturges, Herbert Arthur, A.B., Mathematics.
Sullivan, William Leo, Soil Technology.
Sweeney, Emmett Thomas, Economics.
Taistra, Sophie, Physiology.
Talbot, James W., B.S., Farm Crops.
Thomas, H. E., Plant Pathology.
Thomas, Joseph Albert, Civil Engineering.
Thompson, John Graham, B.Chem., Chemistry.
Thompson, Sidney Attilio, A.B., Anatomy.
Ullman, David Louis, A.B., Philosophy.
Utterback, William Emil, A.B., Public Speaking.
Vanderhoef, James Elijah, Foundry.
Van Marter, Mabel, Plant Breeding.
Van Sweringen, Raymond Adams, Machine Design.
Vieweg, Hermann Frederick, Mineralogy.
Volkert, Robert Morris, Forestry.
Wadsworth, James Raymond, Romance Languages and Literatures.

Walter, W. H., Rural Economy.
 Walworth, Chester Alexander, Chemistry.
 Ware, Jacob Osburn, B.S., M.S., Farm Crops.
 Warne, Colston Estey, Economics.
 Wasson, Roy John, American History.
 Watters, Richard John, jr., Machine Design.
 Westphal, Milton Christian John, A.B., Philosophy.
 Wheeler, George Whiting, M.D., Bacteriology, New York City.
 White, Harriet D., A.B., Chemistry.
 Willison, Dorothy, Agricultural Chemistry.
 Wilson, Carl Louis, A.B., Botany.
 Wintringham, Andrew Clement, B.Chem., Chemistry.
 Woodward, Morton Powell, Chemistry.
 Wright, Mary Evalena, B.S., Chemistry.
 Wynkoop, Doris DeNard, Physiology.

ASSISTANTS IN MILITARY SCIENCE AND TACTICS

Anderton, Charles E., Captain
 Ashcroft, Alfred G., Captain
 Beutel, Frederick K., Captain
 Corby, George Bentley, Captain
 Criswell, Howard Donald, Captain
 Dodge, Wilson S., Major
 Emerson, Willard I., Major
 Gist, Samuel C., jr., Captain
 Howard, Harry I., Captain
 Hugger, Albert I., Captain
 Janes, Warham Whitney, Captain
 Kinzey, Bertram Y., Captain
 McCarthy, Rollin H., Captain
 Pirnie, Nelson R., Captain
 Schroeder, Henry Joseph, jr., Captain
 Shaner, Bernard King, Major
 Speer, Franklin Raub, Captain
 Stainton, Walter Hutchinson, Captain
 Strickler, Daniel Bursk, Captain
 West, Arthur Matthew, Captain
 Wiedorn, William, Captain
 Wilbur, Francis Cressy, Major
 Willsey, Warren Gilbert, Captain

STANDING COMMITTEES OF THE UNIVERSITY FACULTY

The year in parenthesis indicates the date of retirement.

Committee on Admission by Certificate. Professor G. P. Bristol (1921), Chairman; the Secretary of the University Faculty; Professors Laurence Pumpelly (1920); G. W. Ham (1920); J. P. Bretz (1921); P. R. Pope (1922); R. C. Gibbs, (1922); W. B. Carver (1923); J. R. Schramm (1923); the Registrar.

Committee on Student Affairs. The Secretary of the University Faculty, Chairman; Professors F. A. Barton (1920); G. W. Cavanaugh (1920); Cornelius Betten (1921); C. T. Stagg (1921); M. W. Sampson (1922); H. H. Wing (1922); W. N. Barnard (1923); J. P. Bretz (1923); the Registrar.

Committee on Undergraduate Scholarships. The Secretary of the University Faculty, Chairman; Professors G. L. Burr (1920); S. G. George (1920); R. F. Keniston (1921); William Strunk (1921); R. C. Gibbs (1922); A. L. Andrews (1922); James McMahon (1923); Donald English (1923).

Committee on University Policy. The President; the Secretary of the University Faculty; the Dean of the Graduate School; the Deans of the several college faculties; the Secretary of the Medical College in Ithaca.

Committee on Relations to Secondary Schools. Professor G. P. Bristol, Chairman; the Secretary of the University Faculty; Professors G. A. Works; J. P. Bretz; J. H. Tanner; P. R. Pope; L. M. Broughton; R. C. Gibbs; the Registrar.

Committee on Excuses from Physical Training and Military Science. The Secretary of the University Faculty, Chairman; the Commandant, the Professor of Physical Culture; Professors Cornelius Betten and Herman Diederichs; Woodford Patterson, Secretary of the Committee.

Entrance Examination Board. Professor G. P. Bristol (1920), Chairman; the Secretary of the University Faculty; Woodford Patterson (1920); Donald English (1921); O. A. Johannsen (1921); C. H. Hull (1922); J. F. Mason (1922); J. H. Tanner (1923); P. R. Pope (1923); B. S. Monroe, Secretary of the Committee.

Committee on Official Publications. The President; the Secretary of the University Faculty; the Dean of the Graduate School; the Deans of the several college faculties; the Secretary of the Medical College in Ithaca; the Registrar; the Secretary of the University.

University Committee on Hygiene and Sanitation. Professors Kerr, Moore, Ogden, C. V. P. Young, Emerson.

Committee on Music. The Secretary of the University Faculty; Professor G. P. Bristol; Professor E. H. Woodruff.

Committee on Prizes. The Secretary of the University Faculty; Professor C. H. Hull; Professor C. T. Stag.

OTHER OFFICERS

Schurman, Jacob Gould, A.M., D.Sc., LL.D., President of the University, 1892.
Professor of Philosophy, 1886.

Bostwick, Charles Dibble, A.B., LL.B., Comptroller of the University, 1919;
and Secretary of the Board of Trustees, 1914.

General and Legal Assistant to the Treasurer, 1898; Assistant Treasurer, 1903;
Treasurer, 1914.

Curtis, Charles Elbert, B.C.E., Superintendent of Buildings and Grounds, 1915.

Hoy, David Fletcher, B.S., M.S., Registrar, 1895. Assistant to the Registrar, 1891.

Patterson, Woodford, A.B., Secretary of the University and University Publisher, 1917.

Rogalsky, George Frederick, A.B., Treasurer of the University, 1920.
Assistant in Modern European History, 1907.

Seely, Grace, Warden of Sage College Hall, 1919.

Nye, Gertrude Houston, Warden of Prudence Risley Hall, 1913.

Tree, Thomas, Manager of Residential Halls, 1912. Assistant to the Treasurer, 1894.

Sutherland, Harriet, Superintendent of the Cornell Infirmarys.

Emerson, Haven, M.D., Professor of Hygiene and Preventive Medicine, and
Director of the Department, 1919.

Allen, James Stevenson, M.D. Assistant Professor of Hygiene and Preventive
Medicine, and Assistant Director of the Department, 1919.

Balderrey, Frank C., M.D., Medical Adviser, 1917.

Harris, J. Ralph, M.D., Assistant Medical Adviser, 1918.

Chenowith, Lawrence B. M.D., Assistant Medical Adviser, 1919.

Kimpton, Richard, M.D., Assistant Medical Adviser, 1918.

Case, Claude E., M.D., Assistant Medical Adviser, 1919.

Herring, John A. M.D., Assistant Medical Adviser, 1919.

Baker, Margarete D., M.D., Assistant Medical Adviser, 1919.

Porter, Katherine, M.D., Assistant Medical Adviser, 1919.

Twesten, Lieut. Theodore Herman, Proctor of the University.

Cornell, Charles Ezra, Inspector.

NONRESIDENT LECTURERS

1918-1919

Lord Charnwood: The British Empire of Today. The Modern British Constitution. Political Parties in Great Britain. Democracy in England and the United States. Social and Industrial Questions in England. Political Problems Arising Out of the War. The English Political Poet—Wordsworth. English Higher Education. Greek Thought in Modern Life. An Actual Philosopher-King—Abraham Lincoln.

Dr. Carl Hering: Departures from the Beaten Path.

Captain H. S. Bennett: Chemical Warfare Service of the United States of America.

Professor Elwood Meade: Farms for Soldiers.

Professor Eugene Davenport: Some Current Agricultural Problems.

Rose LeV. Morgan: Songs that Live.

Oliver Wilson: The Farmer in the Work of Reconstruction.

G. E. Roberts: Farmers and Bankers.

Mark Eisner: The Jew in American Public Life.

Dr. Demetrius Kalopothakis: The Claims of Greece.

Professor Louis F. Miskovsky: The Czecho-Slovak Republic.

Dr. Arthur L. Day: The Volcano Kilauea in Action. Optical Glass for War Purposes.

W. P. Dobson: The Distributing and Generating System of the Hydro-electric Power Commission of Ontario.

Professor Maurice de Wulf: The Individual and the Community in the Philosophy of the Thirteenth Century. The Claims of Belgium in the Peace Conference.

Rev. J. A. MacIntosh: Fundamental Principles of World Thinking.

Dr. J. H. McNeil: Veterinary Work in Brazil and Uruguay.

Harry LeB. Gray: Cellulose.

Hamlin Garland: Some Personal Recollections of Famous Modern Writers.

Professor Andre Fribourg: Joffre, Pétain, Foch.

R. E. Wagner: Electric Welding.

Mgr. A. Hebbelynck and Rev. J. F. Stillemans: The Last Days of the War in Belgium.

Ralph Harlow: Fields of France and Fields of the World.

Judge Charles E. Hughes, Governor Alfred E. Smith, Judge Frank H. Hiscock: Addresses at the Semi-Centennial Celebration.

Major-General Robert Alexander, U. S. A., Rev. N. D. Hillis, D.D.: Addresses at the Commemorative Exercises.

E. B. Johnson: The Dennis-Barrett War Plant for Synthetic Phenol.

Dr. Henry van Dyke: Poetry and Patriotism.

Dr. N. D. Hillis: Message of John Ruskin to the Twentieth Century.

Dr. W. A. Howe: State Medical Inspection of Schools.

M. Louis Roux: La Perte de la Nouvelle France.

Summer Session, 1919

E. R. Kroeger: Music by American Composers. The Compositions of Chopin. The Compositions of Edvard Grieg.

Professor R. G. Gettell: Maritime Interests of the United States.

Dr. F. D. Boynton: School Health Problems from the Point of View of the School Administrator.

Professor Georges Vattier: Les Relations Franco-Américaines.

Winifred Hathaway: The Conservation of Vision.

J. T. Lloyd: A Trip Across the Colombian Andes.

Dr. Gilbert Reid: Wrongs Done to China: Have They been Righted at the Peace Table?

Laura Meeker: Rhythm—Imitative and Metric.

Dr. Samuel S. Marquis: Out of the House of Bondage: A Study of Industrial Conditions.

1919-1920

- Hon. Thomas W. Lamont: Financial Reconstruction.
 Dr. W. T. M. Forbes: A Trip Through Phrygia and Cappadocia.
 Percy Mackaye: Readings from Community Dramas.
 Dr. George Nasmyth: Present Tendencies of Thought in Europe.
 W. H. Donahue: Fishing on the New England Coast.
 Dr. Howard S. Bliss: Reconstruction in the Near East.
 H. S. Baker: Measuring Instruments and Other Detail Apparatus in a Large Electric Power Plant.
 W. B. Stover: Demonstration of a Curve-drawing Instrument.
 John W. O'Leary, M.E.: Industry.
 Sr. Don Ramon Perez de Ayala: Autores dramaticos modernos.
 Count Ilya Tolstoy: The Truth about Russia.
 E. H. Forbush: Bird Conservation. Personal Experiences and Observations in the West.
 Ned Dearborn: Propagation of Fur-bearing Animals.
 Dr. H. A. Clark: Some Electrical Temperature Devices.
 Sam Higginbotham: Fighting Famine Through Scientific Agriculture.
 Herbert K. Job: Propagation of Grouse and Quail.
 George B. McGrath: Quarrying and Milling of Indiana Limestone.
 C. A. Berry: Automatic Telephones and the Operation of Machine Switching.
 E. S. Bayard: The Farmers' Opportunity in the National Readjustment.
 Dr. John H. Finley: Rural Schools in New York State.
 Henry Turner Bailey: Relation of Art to Home and Community.
 G. Sherwood Eddy: International Relationships in the Far East.
 H. B. Vincent: Operating Performance of Insulators on a 45,000-volt System.
 Arthur H. Gleason: English Labor Movement and the New Social Order.
 Rev. John H. Holmes, D.D.: From Autocracy to Democracy in Industry.
 Dr. A. Ray Petty: The Crisis of Poverty on the Lower West Side of New York City. The Human Crisis in City Life.
 Dr. Rosalie S. Morton: Serbia During and After the War.
 A. L. Powell: Manufacture and Application of the Modern Incandescent Lamp.
 J. Stitt Wilson: The Roots of Americanism. The Fruits of Americanism. The Barriers of Democracy. A Program of Americanism.
 Dr. Harry F. Ward: Religious Elements in the new Social Order.
 Dr. Andrew F. West: Wanted: An Education.
 C. F. Hirshfeld, M.M.E.: Industrial Relations.
 Dr. Horace M. Kallen: Palestine and the Mandatory Principle.
 Siegfried Sassoon: Readings from his poems.
 Professor Andre Allix: Les Cathédrales Françaises.
 Dr. Winifred C. Cullis: The International Federation of University Women.
 Brigadier-General Eben Swift, U.S.A.: Features of the American Military Campaigns of the World War.
 Dr. David White: Oil: A Waning Heritage.
 A. C. Austin: High-tension Insulators.
 Hon. Thomas M. Osborne: What are Prisons for?
 Thomas Patterson: Legal Ethics.
 Hon. Frederick E. Crane: The Fourth Estate.
 R. Clipston Sturgis: The Place of the Arts in Education. Readings from Kipling, Noyes, and Browning.
 George Fabyan: Significance of Several Forms of Type Appearing in Books of the Elizabethan Period.
 Charles H. Whittaker: Some Social Aspects of Architecture.
 Professor Jacques Hadamard: Linear Hyperbolic Differential Equations. The Work of Henri Poincaré.
 Henry W. Nevins: Some Writers I have known. British Politics.
 Chia Lin Chen: Moral Aspects of the Chinese Drama.
 Dr. David Starr Jordan: The Ideals of America.
 Professor Albert Feuillerat: French Temperament. Intellectual Qualities of the French. French Imagination and Poetry. The Social Instinct and French Manners.

**UNIVERSITY PREACHERS ON THE DEAN SAGE PREACHERSHIP
ENDOWMENT, 1918-1919**

- The Rev. William R. Taylor, D.D., Pastor, Brick Presbyterian Church, Rochester, N. Y.
- The Rev. Harry Emerson Fosdick, Union Theological Seminary, New York City.
- The Rev. Ambrose W. Vernon, D.D., Pastor Harvard Church, Brookline, Mass.
- The Rev. R. Bruce Taylor, D.D., Principal, Queen's University, Kingston, Ont., Canada.
- The Rev. Samuel A. Eliot, D.D., President, American Unitarian Association, Boston, Mass.
- The Rev. Charles W. Gilkey, Pastor, Hyde Park Baptist Church, Chicago, Ill.
- The Rev. George B. Stewart, D.D., Auburn Theological Seminary, Auburn, N. Y.
- The Rev. Francis G. Peabody, D.D., Harvard University, Cambridge, Mass.
- The Rev. William F. McDowell, D.D., Bishop, Methodist Episcopal Church, Washington, D. C.
- The Rev. Tertius Van Dyke: Pastor, Park Avenue Presbyterian Church, New York City.
- The Rev. Hugh Black, D.D., Union Theological Seminary, New York City.
- The Rev. William Pierson Merrill, D.D., Pastor, Brick Presbyterian Church, New York City.
- The Rt. Rev. Charles Fiske, D.D., LL.D., Bishop Coadjutor, Diocese of Central New York, Syracuse, N. Y.
- The Rev. A. C. McGiffert, D.D., President, Union Theological Seminary, New York City.
- The Rev. William Henry Steele Demarest, D.D., LL.D., President, Rutgers College, New Brunswick, N. J.
- The Rev. J. W. A. Stewart, D.D., Dean, Rochester Theological Seminary, Rochester, N. Y.
- The Rev. John Douglas Adam, D.D., Hartford Theological Seminary, Hartford, Conn.
- The Rev. Lynn Harold Hough, D.D., Garrett Biblical Institute, Evanston, Ill.
- The Rt. Rev. Ethelbert Talbot, D.D., LL.D., Bishop of Bethlehem, South Bethlehem, Pa.
- The Rev. Cornelius Woelfkin, D.D., LL.D., Fifth Avenue Baptist Church, New York City.
- The Rev. William Horace Day, Pastor, United Congregational Church, Bridgeport, Conn.
- The Rev. Clarence A. Barbour, D.D., President, Rochester Theological Seminary, Rochester, N. Y.
- The Very Rev. Bernard J. Bell, Dean, St. Paul's Cathedral, Fond du Lac, Wis.
- The Rev. Charles R. Brown, D.D., Dean, School of Religion, Yale University, New Haven, Conn.
- The Rev. Elwood Worcester, D.D., Rector, Emmanuel Church, Boston, Mass.
- The Rev. G. A. Johnston Ross, D.D., Union Theological Seminary, New York City.
- The Rev. Newell Dwight Hillis, D.D., Pastor, Plymouth Church, Brooklyn, N. Y.
- The Rev. John N. Lewis, Rector St. John's Church, Waterbury, Conn.
- The Very Rev. Samuel S. Marquis, D.D., Dean, St. Paul's Cathedral, Detroit, Mich.
- The Rev. Samuel M. Crothers, D.D., Pastor, First Unitarian Church, Cambridge, Mass.

The Rev. Rockwell Harmon Potter, D.D., Pastor, Central Congregational Church, Hartford, Conn.

The Rev. John R. Mott, D.D., General Secretary, World Student Christian Federation, New York City. Baccalaureate Sermon.

Summer Session, 1919

The Rev. Henry Van Dyke, D.D., Princeton, N. J.

Rabbi Stephen S. Wise, Ph.D., Free Synagogue, New York City.

The Rev. Gilbert Reid, D.D., Foreign Missions, New York City.

The Rev. Newell Dwight Hillis, D.D., Pastor, Plymouth Church, Brooklyn, N. Y.

The Rev. Stephen S. Marquis, D.D., Dean, St. Paul's Cathedral, Detroit, Mich.

1919-1920

The Rev. Malcolm James McLeod, D.D., Pastor, Collegiate Church of St. Nicholas, New York City.

The Rev. William P. Merrill, D.D., Pastor, Brick Presbyterian Church, New York City.

The Rev. Francis G. Peabody, D.D., Harvard University, Cambridge, Mass.

The Rev. C. Wallace Petty, Pastor Creston Avenue Baptist Church, New York City.

The Rev. S. Parks Cadman, D.D., Pastor Central Congregational Church, Brooklyn, N. Y.

The Rev. William F. McDowell, D.D., Bishop, Methodist Church, Washington, D. C.

The Rev. John Baillie, A.M., Edinburgh, Scotland.

The Rev. Samuel A. Eliot, D.D., President, American Unitarian Association, Boston, Mass.

The Rev. John D. Adams, D.D., Pastor, Hartford Theological Seminary, Hartford, Conn.

The Rev. Francis J. McConnell, D.D., Bishop, Methodist Church, Denver, Colo.

The Rev. Charles W. Gilkey, Pastor, Hyde Park Baptist Church, Chicago, Ill.

The Rt. Rev. Charles D. Williams, D.D., LL.D., Bishop, St. Paul's Cathedral, Detroit, Mich.

The Rev. Wilbur L. Caswell, Rector, St. Thomas's Church, Mamaroneck, N. Y.

Rabbi Louis J. Kopald, Temple Beth Zion, Buffalo, N. Y.

The Rev. Cornelius Woelfkin, Pastor, Fifth Avenue Baptist Church, New York City.

The Rev. J. W. A. Stewart, D.D., Dean, Rochester Theological Seminary, Rochester, N. Y.

The Rev. Murray Bartlett, D.D., President, Hobart College, Geneva, N. Y.

The Rev. Richard W. Boynton, Pastor, First Unitarian Church, Buffalo, N. Y.

The Rev. Lynn Harold Hough, D.D., President, Northwestern University, Evanston, Ill.

The Rev. Hugh A. Moran, Presbyterian Student-Pastor, Ithaca, N. Y.

The Rev. J. Ross Stevenson, D.D., LL.D., President, Princeton Theological Seminary, Princeton, N. J.

The Rev. Wallace E. Brown, D.D., Pastor, University Methodist Episcopal Church, Syracuse, N. Y.

The Rev. Samuel M. Crothers, D.D., Pastor, First Unitarian Church, Cambridge, Mass.

The Rev. John A. MacIntosh, D.D., McCormick Theological Seminary, Chicago, Ill.

The Rev. John W. Hoag, D.D., Pastor, Woodward Avenue Baptist Church, Detroit, Mich.

The Rev. Tertius van Dyke, Pastor, Park Avenue Presbyterian Church, New York City.

The Rev. Frederick J. Shannon, D.D., Pastor, Central Congregational Church, Chicago, Ill.

The Rev. Roger S. Forbes, Pastor, Unitarian Church, Germantown, Pa. Baccalaureate Sermon.

ADMISSION TO THE UNDERGRADUATE COLLEGES

For admission to the Graduate School see page 55; for admission to the Medical College see page 117.

Applications for admission to any one of the undergraduate colleges of the University, except the Medical College, are entertained from the following three classes of persons: (a) Those who desire to begin as freshmen, in some college of the University, a regular course of study leading to a degree conferred by that college; (b) those who, having already attended some institution of collegiate rank, desire to enter some college of the University; (c) those who desire to register as special students not candidates for a degree. The conditions of admission for these three classes of persons are separately described on pages 37, 51, and 52.

The normal time for admission of students to the undergraduate colleges is at the beginning of the first term of the University year in September. For the admission of students at the beginning of the second term in February, see page 48.

Every applicant for admission to any of the undergraduate curricula of the University, must file at the Registrar's office either a certificate of good moral character, or, in case he has previously attended some other college or university without graduating from it, a certificate of honorable dismissal from that institution.

ADMISSION OF FRESHMEN

Men who desire to begin as freshmen a curriculum leading to a degree in one of the colleges of the University, must be at least sixteen years of age. Women must be at least seventeen years of age. In the College of Law the minimum age for both men and women is eighteen years.

All the colleges of Cornell University conferring baccalaureate degrees presuppose, on the part of an applicant for admission, an amount of training equivalent to that gained by four years of successful work in a high school of good standing. The College of Law requires in addition, the satisfactory completion of two years of study in a university or college of approved standing.

Scholastic Requirements

A student who applies for admission as a freshman to any college of Cornell University is required to offer fifteen units of entrance credit in subjects included in the following list of entrance subjects. A "unit of entrance credit" is granted to a student who gives evidence that he has such knowledge of an entrance subject as should normally be acquired in five periods a week during one school year, or in 120 sixty-minute periods.

A. Requirements common to all the colleges (except the College of Law).
Nine units. Of the fifteen units of entrance credit, nine units in the following subjects are required by each of the colleges: English, 3 units; history, 1 unit; mathematics, 2 units; one foreign language, 3 units. Applicants for admission to the Colleges of Mechanical Engineering, Civil Engineering, and Architecture may offer two units in each of two foreign languages instead of three units in one foreign language.

B. Additional and, in some cases, specific requirements of the several colleges.
Six units. In these six remaining units some of the colleges require that additional credits in some of the subjects in group A or credits in certain other subjects shall be included, while in other colleges, all of these remaining six units are elective, i. e., they may, with certain restrictions mentioned on page 46, be elected by the candidate at will from the list of entrance subjects here printed.

Entrance Subjects

The subjects and the maximum and minimum amounts of credit in units that may be offered in each for admission to the University are:

1a. English 1	1½ unit	8d. English History . . .	½ unit or 1 unit
1b. English 2	1½ unit	9a. Elementary Algebra . . .	1 unit
2a. First Year Greek	1 unit	9b. Intermediate Algebra . . .	½ unit
2b. Second Year Greek	1 unit	9c. Advanced Algebra	½ unit
2c. Third Year Greek	1 unit	9d. Plane Geometry	1 unit
3a. First Year Latin	1 unit	9e. Solid Geometry	½ unit
3b. Second Year Latin	1 unit	9f. Plane Trigonometry	½ unit
3c. Third Year Latin	1 unit	9g. Spherical Trigonometry . . .	½ unit
3d. Fourth Year Latin	1 unit	10. Physics	1 unit
4a. First Year German	1 unit	11. Chemistry	1 unit
4b. Second Year German	1 unit	12. Physical Geography	
4c. Third Year German	1 unit	13.	½ unit or 1 unit
5a. First Year French	1 unit	14. Biology	1 unit
5b. Second Year French	1 unit	14a. Botany	½ unit or 1 unit
5c. Third Year French	1 unit	15. Zoology	½ unit or 1 unit
6a. First Year Spanish	1 unit	16. Bookkeeping	½ unit or 1 unit
6b. Second Year Spanish	1 unit	Agriculture (including home economics, etc.)	
6c. Third Year Spanish	1 unit	17.	½ unit to 4 units
7a. First Year Italian	1 unit	18. Drawing	½ unit or 1 unit
7b. Second Year Italian	1 unit	Manual Training	
7c. Third Year Italian	1 unit	19. { Any High School subject or subjects not already used	
8a. Ancient Hist.	½ unit or 1 unit		
8b. Modern Hist.	½ unit or 1 unit		
8c. Am. His. Civics	½ unit or 1 unit		

In connection with the foreign language requirements, the following restrictions should be noted: 1. In those colleges where the requirement is three units, all of these units must be in a single language, except in the colleges of Mechanical Engineering, Civil Engineering, and Architecture (see page 47). Any number of elective units in a second language will be accepted. If the applicant offers at least two units in the second language, any number of units in a third language will be accepted. 2. In the College of Arts and Sciences where the requirement is five units, at least three of these units must be in one language and at least two units in a second language. Any number of elective units in a third language will be accepted.

If Biology (1 unit) is offered, neither Botany (½ unit) nor Zoology (½ unit) may be counted.

No part of No. 15 may be counted for entrance to Arts and Sciences except under No. 19; a maximum of one unit in Bookkeeping is allowed by all the other colleges with the exception of the College of Agriculture which permits a maximum of one unit to be counted with the restriction that it cannot be offered in conjunction with more than one of the following subjects: Agriculture, Drawing, Manual Training.

Agriculture may not be counted for entrance to Arts and Sciences.

An applicant may offer for admission to Agriculture not to exceed four units in vocational subjects under numbers 16, 18, and 19 combined.

A student may not count under No. 19 work in subjects Nos. 1-18 until he has offered the maximum (e. g. 4 units of Latin; 3 units of English, Greek, German, French, Italian, or Spanish; 1 unit of Physics, Chemistry, or Manual Training) in Nos. 1-18.

In drawing and in manual training, 300 actual hours are required for one unit of credit.

A candidate for admission who presents No. 19 in the list above as a part of the fifteen units required for entrance will not be allowed to take any examination for college credit at entrance (see page 51).

The following tabulation shows the subjects and credits required by the several colleges.

ENTRANCE REQUIREMENTS OF THE UNDERGRADUATE COLLEGES

ARTS AND SCIENCES		LAW	AGRICULTURE	VETERINARY	ARCHITECTURE		CIVIL AND MECH. ENG.
A.B. 4 years	B.Chem. 4 years	3 years	4 years	4 years	4 years	4 ½ or 5 yrs.	4 ½ or 5 yrs.
English, 3	English, 3	A certificate that the applicant has met the entrance requirements and satisfactorily completed two years of study in a university or college of approved standing.	English, 3	English, 3	English, 3	An applicant for admission to Architecture having at least 15 units of entrance credit but lacking some of the credits in entrance mathematics is advised to enter the 4 ½-year course at mid-year or the 5-year course in September and to take during his first year in the University along with other studies his entrance deficiencies for the 4-year course.	An applicant for admission to Civil or Mechanical Engineering having at least 15 units of entrance credit but lacking some of the credits in entrance mathematics is advised to enter the 4 ½-year course in September and to take during his first year in the University along with other studies his entrance deficiencies for the 4-year course.
Foreign Languages, 5	French, 3 or German, 3		One Foreign Language, 3	One Foreign Language, 3	One Foreign Language, 3		
History, 1	History, 1		History, 1	History, 1	History, 1		
Plane Geometry, 1	Plane Geometry, 1		Plane Geometry, 1	Plane Geometry, 1	Plane Geometry, 1		
Elementary Algebra, 1	Elementary Algebra, 1		Elementary Algebra, 1	Elementary Algebra, 1	Elementary Algebra, 1		
	Intermed. Algebra, ½	A certificate that the applicant has met the entrance requirements and satisfactorily completed two years of study in a university or college of approved standing.	Solid Geom. and Plane Trigonometry are not required but are strongly recommended for students intending to take for entry or Landsc. Art.	See Note	Intermed. Algebra, ½	An applicant for admission to Architecture having at least 15 units of entrance credit but lacking some of the credits in entrance mathematics is advised to enter the 4 ½-year course at mid-year or the 5-year course in September and to take during his first year in the University along with other studies his entrance deficiencies for the 4-year course.	An applicant for admission to Civil or Mechanical Engineering having at least 15 units of entrance credit but lacking some of the credits in entrance mathematics is advised to enter the 4 ½-year course in September and to take during his first year in the University along with other studies his entrance deficiencies for the 4-year course.
	Solid Geometry, ½		Elective, 6		Solid Geom., ½		
	Advanced Algebra, ½		TOTAL 15		Advanced Algebra, ½		
	Plane Trigonometry, ½		Elective, 6		Plane Trigonometry, ½		
	Elective, 4		Elective, 6		Elective, 3		
TOTAL 15	TOTAL 15		TOTAL 15	TOTAL 15	TOTAL 15		TOTAL 15

Candidates for the degree of Bachelor of Chemistry are advised to include, among their entrance subjects, in addition to the full four units in mathematics, also three units of German and two units of French. Those who have not presented these subjects at admission will be required to take them in the University, which may result in the extension of their period of residence beyond eight terms. For the present, applicants will be admitted to the College of Arts and Sciences as candidates for the degree of Bachelor of Chemistry, upon satisfaction of the entrance requirements for the curriculum leading to the degree of Bachelor of Arts.

For admission to the New York State Veterinary College an applicant must offer a Veterinary Student Certificate issued by the Education Department of the State of New York at Albany, N. Y. This certificate satisfies the entrance requirement in full.

It is strongly recommended that for entrance to Architecture, Civil Engineering, and Mechanical Engineering, at least three of the four elective units be offered in language preferred for the three foreign language units required by the College of Civil Engineering, the College of Mechanical Engineering, the College of Agriculture, and the Veterinary College.

If an applicant so desires he may satisfy the foreign language requirement for entrance to Mechanical Engineering, Civil Engineering, and Architecture by two units in each of two foreign languages instead of three units in one foreign language.

The College of Agriculture admits without foreign language those who hold the New York State Academic Diploma in Agricultural Subjects.

Admission at the Beginning of the Second Term

Applicants who have fully satisfied the entrance requirements of the College of Arts and Sciences may be admitted as freshmen in that college at the beginning of the second term in February, as well as at the beginning of the first term in September. They will be able to make up a satisfactory schedule of work at the beginning of the second term, since freshmen classes in the languages, history, mathematics, physics, chemistry and zoology are begun at that time.

Applicants who have fully satisfied the entrance requirements of the College of Agriculture may be admitted as freshmen in that college at the beginning of the second term in February; they will, however, find it difficult to arrange satisfactory schedules and therefore should, if possible, enter in September.

Students who meet in full the requirements for admission as freshmen in either the four-year or five-year course in the colleges of Mechanical Engineering, of Civil Engineering, and of Architecture, may enter said colleges at mid-year to pursue courses which will be specially outlined to suit each individual case and which will lead to the degree of Mechanical Engineer, Civil Engineer, or Bachelor of Architecture at the end of four and a half years. Those who at this time meet the requirements for admission to the five-year course must enter the University classes in such of the mathematical courses required for admission to the four-year courses as have not been credited to them.

In order to secure admission at mid-year with advanced standing in the regular four-year courses in the colleges of Mechanical Engineering, Civil Engineering, and Architecture, with a view to graduating in less than four years, the applicant must have attended an institution of collegiate rank and must secure credit for such university courses as will enable him, by attending during the remainder of the college year and (possibly) during the succeeding Summer Session, to substantially complete the year's work scheduled for the class he wishes to enter (see page 47).

Students may not enter the College of Law at the beginning of the second term.

Students who desire admission at the beginning of the second term must place their certificates and credentials in the hands of the Registrar not later than January 15. (For January entrance examinations, see page 49).

METHODS OF SATISFYING THE ENTRANCE REQUIREMENTS

Every applicant for admission must, in one or more of the four following ways, show that he possesses a satisfactory knowledge of the subjects that are required for admission to the particular college in which he plans to pursue his studies:

1. By passing the required Cornell University Entrance Examinations (see page 48).
2. By passing the College Entrance Examination Board Examinations in the required subjects (see page 49).
3. By passing the necessary Regents' Examinations (for students who have prepared in New York State) (see page 49).
4. By presenting an acceptable school certificate (see page 50).

1. CORNELL UNIVERSITY ENTRANCE EXAMINATIONS

The Cornell University Entrance Examinations assume in general that for each unit of entrance the student shall have such knowledge of the subject concerned as should normally be acquired in five periods a week during one school year, or in 120 sixty-minute periods. The entrance examination in English (total of three units) assumes four years of preparatory study.

Examinations for admission to the University are held in Ithaca, and all examinations except in drawing and in manual training and in certain subjects in agriculture and home economics, are held in New York City, First Avenue and 28th Street, in September, at the beginning of the first term of the University

year. A fee of \$1 for each subject, with a maximum charge of \$5 for all subjects, must be paid by all candidates who take these examinations in New York City; the fee must be paid a second time in the case of candidates who repeat the examinations. Permits to take the examinations must be secured from the Registrar in Ithaca. The University does not hold entrance examinations in the subjects included under Number 19 of the list of entrance subjects, page 46.

No examinations of candidates for admission will be held by the University at any other times or places, except at the end of the first term in Ithaca. Permits to take the mid-year entrance examinations in Ithaca may be issued up to January 15 in each year upon the payment of \$1 for each subject to be taken, with a maximum of \$5 for five or more subjects. In the case of applicants later than January 15, the Registrar may issue permits whenever possible. In this case the fee charged shall be double that charged prior to January 15.

A candidate may take all the entrance examinations in the same year, or he may divide them among two or three successive years.

For details concerning the subject matter of the University entrance examinations, the General Circular of Information should be consulted. Specimen copies of the September examination papers may be obtained for fifteen cents by applying to the Secretary of the University.

2. COLLEGE ENTRANCE EXAMINATION BOARD EXAMINATIONS

The examinations (not "comprehensive") held by the College Entrance Examination Board in June of each year are accepted as the full equivalents of the Cornell University Entrance Examinations in the corresponding subjects, if the marks are 60 or over.

The next examinations of the College Entrance Examination Board will be held in Ithaca, and in various other places, June 20-25, 1921.

The examination fee at points in the United States and Canada is \$6; at points outside of the United States and Canada, \$20, for each candidate examined.

Those who wish to procure forms of application for examination, should address The College Entrance Examination Board, 431 West 117 Street, New York City.

3. ENTRANCE BY REGENTS' EXAMINATIONS

The Regents' Examinations of the Education Department of the State of New York are accepted as the full equivalents of the Cornell University Entrance Examinations in the corresponding subjects.

The officially signed certificates or pass-cards (even for single subjects) issued by the Department of Education of the State of New York for passing Regents' Examinations are accepted by Cornell University in all entrance subjects which are covered by such credentials. The examinations set for professional certificates are not accepted.

The Arts College Entrance Diploma, the Science College Entrance Diploma, or the Vocational Diploma in Agriculture or Home Making satisfies in full the entrance requirements for the four-year course in Agriculture. If an applicant holding one of these diplomas does not present three units of foreign language, he must elect an equivalent amount of work in the University in one or more of the following subjects: Foreign language, English, mathematics, philosophy, psychology, history, economics, political and social science.

The Arts College Entrance Diploma or the Science College Entrance Diploma satisfies in full the entrance requirements for the four-year course in Arts and for the four and a half and five-year courses in Architecture, Civil Engineering, and Mechanical Engineering.

The Arts College Entrance Diploma or the Science College Entrance Diploma satisfies in full the entrance requirements for the four-year courses in Mechanical and Civil Engineering provided the four entrance units required in mathematics are covered by the diploma or otherwise satisfied.

The Arts College Entrance Diploma or the Science College Entrance Diploma satisfies in full the entrance requirements for the four-year course in Architecture provided the four entrance units required in mathematics, one in physics, and at least two in either French or German are covered by the diploma or otherwise satisfied.

The Department of Education, Albany, N. Y., will upon request issue to any student a statement showing all subjects passed to date. Apply to the Registrar for a blank for this purpose.

4. ENTRANCE BY SCHOOL CERTIFICATE

Certificates of work done in a public or private school, in or out of the State, may be accepted in lieu of passing entrance examinations, if the University authorities are satisfied with the standing of the school, and if the applicant has completed a full regular course in the school and has been duly graduated after at least one year in the school.

The University does not engage in advance to accept the certificate of any school and the previous acceptance of certificates does not establish a permanent right to expect further acceptance, but merely raises the presumption that similar certificates will be accepted.

Three separate steps must be taken before a student of any school will, on its certificate, be admitted to a college of Cornell University.

(a) The principal of the school must by formal application secure the certificate privilege for his school; (b) the principal of the school must submit a school certificate duly filled out for the individual candidate for admission; (c) the candidate himself must make a personal application for admission to the particular college of Cornell University in which he intends to study. Official blanks for each of these purposes may be obtained from the Registrar of Cornell University and when duly filled out should be returned to him.

The school certificate should be forwarded by the principal as soon as possible after the graduation of the candidate. The application for the certificate privilege should, unless previously granted, accompany the school certificate. The candidate's personal application for admission to a particular college should be sent as early as possible after the candidate has decided in which college of Cornell University he desires to study. The application will be considered merely as a declaration of intention, and will impose no obligation upon the prospective student.

The school certificate should include all the subjects that the candidate has satisfactorily completed in the school, whether or not they are required by the particular college in which the candidate proposes to study. Neglect to comply with this regulation may entail serious inconvenience and disappointment to the student. The school certificate may include subjects in which an examination has been passed for admission to the school. No additional or supplementary certificate will be considered after the first college term.

A unit means five prepared recitations a week for one year of study, or 120 sixty-minute hours. Two hours of laboratory work is considered equivalent to one hour of prepared recitation (but see Drawing on page 46).

If the candidate has not had five periods a week for one year in any subject but has had not less than 120 actual hours (7200 minutes) of recitation in the subject and the school desires to recommend him for one unit of credit, the school certificate must show the exact number of actual hours of recitation.

Notebooks in general need not be submitted and should not be sent unless they are in individual cases specifically requested by the Registrar.

Subjects in which work has been done privately outside of the regular school curriculum, even if under the direction of teachers in the school, should not be included in the certificate. Work done at any other time than from September to June should not be included in the certificate.

The candidate must take his entrance examinations at Cornell University (in Ithaca) or in New York City in September, if by that time he has not been notified that his school certificate has been accepted. Entrance examinations will be given in September and January only, as stated on page 48.

If in any entrance subject a student has failed to pass the Cornell or any other University Entrance Examination, or the College Board Entrance Examination, or the Regents' Examination, he will not thereafter be allowed to offer a school certificate in that subject unless, subsequent to his failure, he shall have pursued the subject regularly in class for the full time required and shall have done the full amount of work required for entrance in the subject.

Admission on school certificates is in all cases provisional. If, after admission to the University, a student fails in any subject dependent upon an entrance subject for which a school certificate has been accepted, credit for that entrance subject may be cancelled.

All communications and requests in connection with admission by school certificate should be addressed to the Registrar of the University. The University will welcome any special or personal information that school principals may care to furnish in connection with individual applicants for admission.

COLLEGE CREDIT AT ENTRANCE

For Surplus Entrance

Credit toward a degree for work done in a preparatory school, upon subjects (Nos. 1-18, incl.) which may be offered for entrance to the University, will be given only to those students who, in addition to satisfying all entrance requirements, pass separate examinations in the subjects for which they seek college credit. These examinations will cover substantially the same ground as the University courses in the corresponding subjects. An applicant who desires a college credit examination of this kind must apply to the Registrar as early as possible and in no case later than the day preceding the beginning of the entrance examinations, specifying which fifteen units he intends to offer in satisfaction of the entrance requirements, and upon what other entrance subjects he wishes to be examined for college credit.

In case he fails to satisfy the entrance requirements in any one or more of the subjects which he has offered for entrance, but passes the college credit examination in any other subject or subjects, he may use the latter for satisfying the entrance requirements, but in that case he cannot also receive college credit therefor. The college credit examinations will be held in September, on the dates set for the entrance examinations in the same subjects.

A candidate using No. 19 of the list of University entrance subjects (see page 46) to make his fifteen units may not apply for a college credit examination as described above.

ADMISSION OF SPECIAL STUDENTS

A person, ordinarily one of considerable maturity, may under certain circumstances, even without satisfying the entrance requirements, be admitted to one of the colleges of Cornell University as a special student not a candidate for a degree. The applicant must give evidence of ability to do creditable work in the college and his application for admission must be recommended by the department in which he proposes to do the main part of his work.

If a person admitted as a special student without satisfying the entrance requirements subsequently satisfies these requirements, he may be graduated under the ordinary regulations that obtain in the particular college in which he is studying. He will not be permitted, however, to make up deficiencies in entrance subjects by attending University instruction in those subjects.

Candidates for admission as special students must file their applications directly with the Dean of the particular college in which they propose to study.

Special students in the College of Arts and Sciences must be at least twenty-three years of age; in the College of Law, in the College of Architecture, and in Sibley College, twenty-one years of age.

The College of Civil Engineering admits as special students persons at least twenty-one years of age who are college graduates and who intend to pursue

advanced work without being candidates for a degree. The Sibley College of Mechanical Engineering requires that its special students shall have had engineering experience and the equivalent of the mathematics specified for the admission of regular students.

Special students in the College of Agriculture must have had two full years of recent farm experience and, unless they can satisfy all the entrance requirements for the regular course, must be at least twenty-one years of age.

ADMISSION FROM OTHER COLLEGES

A student who, having already attended a college or a university, desires to be admitted to a regular course in a college of Cornell University, should file by mail with the Registrar of Cornell University, on an official blank to be obtained from him, a formal application for admission to one of the colleges of the University, along with an official certificate from the college or university which he has already attended, giving evidence of (1) his honorable dismissal, (2) his entrance examinations in detail, (3) his terms of attendance and the amount of work that he has taken, and (4) a detailed statement of the courses pursued. He should also send a catalogue of the institution, writing his name on it and marking the entrance requirements which he has satisfied and each subject which he has taken. All applicants for admission from other colleges should consult the special announcement of the college in which they propose to study.

PAYMENTS TO THE UNIVERSITY

TUITION

Regular Year	\$200
Graduate School	75
Third Term in Agriculture	100
Summer Session, 1919	30
Summer School in Agriculture, 1919	30†
Winter Courses in Agriculture	25†

Students upon registering become liable for the tuition fee for the term.

The tuition fee is payable in installments of \$110 at the beginning of the first term and \$90 at the beginning of the second term. In the Medical College in New York City the entire fee is payable at the beginning of the year.

The tuition fee for any term may be refunded to any student who, for reasons satisfactory to the Comptroller and the Registrar, withdraws within twenty days after the first registration day.

Any student who withdraws from the University, for reasons satisfactory to the Comptroller and the Registrar, on or before November 15 or April 1, may have one-half of the tuition fee for the current term refunded.

Students registering after December 1 pay for the remainder of the first term two-thirds of the tuition fee for the first term. Students registering after April 1 pay for the remainder of the second term two-thirds of the tuition fee for the second term.

Free Tuition. Tuition is free to students who hold New York State Tuition Scholarships.

Students pursuing full, special, and short courses in the State Agricultural and Veterinary Colleges and students in the Graduate School whose major work is taken in these colleges who at the beginning of the college year are and for at least twelve months prior thereto have been bona fide residents of the State of New York, shall be exempt from payment of tuition fees, provided, however, that no

† Tuition is free to students in the Winter Courses in Agriculture who for one year immediately preceding have been bona fide residents of New York State. For provisions governing free tuition in the Summer School in Agriculture, see the special announcement of the University Summer School.

student shall be allowed to transfer from any such course to another course where tuition is charged without first paying the regular tuition fees for the hours for which he may receive credit in the latter course.

No student will receive the master's degree who has not met the tuition requirements for at least one full year, and no one will receive the doctor's degree who has not met the full tuition requirements for at least three years, unless one or more of these years have been spent in graduate study at another University.

Students in the Graduate School who have completed the full requirements of residence for the respective master's and doctor's degrees for which they are candidates, whose studies have been satisfactory to the faculty, and who during that time have satisfied the requirements as to tuition fees, shall on paying the annual administration fee, be exempt from payment of further tuition fees for a period not exceeding one year.

Members of the instructing staff registered in the Graduate School and having their major subject in the college or line of work in which they are instructing, or already having a degree and registered for work leading to the first degree in the college in which they are instructing, shall be exempt from the payment of tuition, and from the payment of laboratory and shop fees in the department in which they are employed to give instruction. Members of the instructing staff taking work for which they are not entitled to free tuition shall be charged tuition in proportion to the amount of work for which they are registered.

All tuition and other fees may be changed by the the Trustees to take effect at any time without previous notice.

OTHER FEES

A matriculation fee of \$10 is charged all students on entering the University.

A registration fee of \$5 is charged each student registering for the first time in the Summer Session.

An administration fee of \$12.50 a term is charged all students registered in the Graduate School.

Every student (except those registered in the Medical College in New York City) is charged an Infirmary fee of \$5 a term, payable at the beginning of each term. Students in the winter courses in Agriculture are required to pay an Infirmary fee of \$3. In return for the Infirmary fee, any student who is ill, is, on his physician's certificate, admitted to the Infirmary, and is given without further charge a bed in a ward, board, and ordinary nursing for a period not exceeding two weeks in any one academic year.

Extra charges are made for private rooms, special food, and special nurses. If an ill student who has not received two weeks' service in the year is refused admittance to the Infirmary, by reason of lack of accommodation, or if he is not cared for elsewhere by the University, he is entitled to a refund of the fee for both terms.

Students in the University Summer Session and in the Summer School in Agriculture have all the privileges of admission to the Infirmary. They pay no fee in advance, but are liable for regular charges for services rendered.

For medical advice, see page 193.

Each male undergraduate student registered in the University shall be charged a locker fee of \$2 a term, which locker fee shall cover the use of a locker in the University gymnasiums, or in the State Drill Hall, or in Schoellkopf Memorial Building, with the use of bathing facilities and towels therein and the use of the Cornell University gymnasiums and play grounds.

Students registered in Sibley College or in the College of Civil Engineering are charged \$12.50 a term for materials used in College shops and laboratories; students not registered in Sibley College but taking work in the Sibley shops are charged at the rate of \$3.50 a record hour. A student who while in a non-engineering college of this University has taken part of the work required for an engineering degree shall, before receiving the technical degree, be required to pay to the University Treasurer such amount as would have been necessary if all such work had been taken while registered in the engineering college.

A fee of \$5 a term is required of students registered in Architecture for materials used in the draft rooms and laboratories. Students not registered in Architecture but taking work in design or drawing from life, must pay a fee of \$5 a term, and for other courses in drawing or modeling, \$2.50 a term.

A graduation fee of \$10 is required of each person taking a first or undergraduate degree, and one of \$20 of each person taking an advanced degree. When the degree is to be conferred at Commencement, this fee must be paid at least ten days prior to Commencement Day. When the degree is to be conferred at another time than Commencement (September or February), the graduation fee must be paid at least ten days prior to the date on which it is to be conferred. The amount paid will be refunded should the degree not be conferred.

Every person taking laboratory work or courses where a fee is charged must pay to the Treasurer the required fee or the required deposit for the materials, etc., to be used in the work. Members of the instructing staff who are registered in the graduate school shall be exempt from the payment of the laboratory and shop fees, in courses taken or in research pursued in the department in which they are employed to give instruction.

All students in the University are held responsible for any injury done by them to its property.

A student who fails to pay his indebtedness to the University within twenty days after the last registration day for the term will be dropped from the University.

Any of the following mentioned fees may be waived in any individual case upon recommendation of the Dean of the college concerned, if in his judgment the student's failure to comply with the regulation was due to ill health or to any other reasons beyond his control.

A student desiring to be reinstated after having been dropped from the University for delinquency in scholarship or conduct shall first pay a fee of \$25.

A matriculated student desiring to register after the close of Registration Day shall first pay a fee of \$5.

A student desiring to file his registration of studies after the date set by his college for filing the same shall pay a fee of \$2.

A student desiring to take an examination or other test for the removal of a term condition (including the making up of a mark of "absent" or "incomplete") shall first pay a fee of \$2 for each examination or other test.

A student desiring to continue his University work after having been absent without excuse from his Dean from any class or exercise occurring during the two days immediately preceding or immediately following the Thanksgiving, the Christmas, or the Easter Recess, shall pay a fee of \$5 for each day on which an absence occurred.

Students in the Graduate School are exempt from the fines imposed for late registration and for absence before and after vacation periods.

EXPENSES

A student's expenses at Cornell, beyond the stated University fees and a small outlay for books and instruments, depend in large measure on his personal tastes and habits. His expenses, other than those for board and room, may be estimated at the normal rate prevailing throughout that section of the country in which Ithaca is situated.

Parents and guardians are earnestly cautioned against providing their sons and wards with an excessive amount of pocket money. Many young men have been fatally handicapped in their university careers by overindulgence in this respect.

THE GRADUATE SCHOOL

The purpose of the Graduate School, which has exclusive control of all graduate work carried on in the University, is to provide the student with the method and discipline of original research, to the ultimate end that he may contribute to the advancement of knowledge. In furnishing this opportunity for independent study and investigation, the Graduate School seeks to make the conditions such as will enable the student to devote himself wholly to his chosen field. Unhindered by the restrictions that necessarily obtain in undergraduate work, he will come into freedom of association with older scholars, who will seek to make his work profitable to him by giving such aid and direction as he may need.

All courses of study offered in the University, and all the facilities for study and investigation afforded by its libraries and laboratories, are open to students in the Graduate School, subject only to the condition of their being qualified by previous study or experience to undertake the particular work desired.

The Faculty of the Graduate School is composed of those professors, assistant professors, and instructors who are, as members of special committees, engaged in supervising the work of graduate students.

ADMISSION

Graduates of the following colleges of Cornell University, namely, the College of Arts and Sciences, the Medical College, the College of Architecture, the College of Civil Engineering, the Sibley College of Mechanical Engineering, the Veterinary College, and the College of Agriculture, and graduates of other institutions in which the requirements for the first degree are substantially equivalent, are eligible for admission to the Graduate School. In other cases, studies pursued after graduation and experience gained by professional work or otherwise are taken into consideration in deciding whether the candidate's preparation as a whole is such as to justify his admission to the Graduate School. Graduates of colleges other than those of Cornell University may be admitted to the Graduate School, but not to candidacy for an advanced degree, in cases where their training is regarded as less than one year short of that required for the first degree at Cornell University.

Seniors in the colleges of Cornell University who have completed the work required for the Bachelor's degree may, under certain conditions to be ascertained from the deans of their respective colleges, be admitted to the Graduate School.

CANDIDACY FOR AN ADVANCED DEGREE

A student is admitted as a candidate for an advanced degree when he has satisfied the Faculty, and especially the professors with whom he intends to work, that both his general preparation and his preliminary work in his specialty are satisfactory in kind and sufficient in amount. For a student who has been admitted to candidacy for an advanced degree, the minimum time of residence for the master's degree is one year, and for the doctor's degree three years, provided that the work accomplished during that time is satisfactory.

Not all students admitted to the Graduate School may expect to obtain a degree at the end of the minimum period of residence. A student whose undergraduate work has been insufficient in amount or too narrowly specialized, or whose preparation in his special field is inadequate, must count upon spending some time, in addition to the minimum residence requirement, in work of a less advanced character. The minimum residence requirement, applies only to graduates of a four-year curriculum in some college of Cornell University, and to graduates of other institutions who have pursued an equivalent course of study.

The branch of knowledge to which the student intends to devote the larger part of his time is termed his major subject. The other fields of study selected,

which will be necessarily more restricted in their scope and which should in general be selected with reference to their direct bearing upon the major subject, are termed the minor subjects. Candidates for the doctor's degree are required to select a major subject and two minor subjects; for the master's degree, a major subject and one minor subject are required.

The work of each candidate for an advanced degree is in charge of a committee consisting of two or more professors under whom his major and minor subjects are pursued, the professor of his major subject being chairman.

Examinations for an advanced degree may be either oral or written, or both, at the option of the examining committee, and are open to all members of the Faculty.

THE DEGREE OF DOCTOR OF PHILOSOPHY

The degree of Doctor of Philosophy is granted to a student who, after completing not less than three years of resident graduate work, presents a satisfactory thesis, and passes an examination on his major and minor subjects and on the subject matter of his thesis. Each candidate for the doctor's degree must deposit one hundred printed copies of his thesis with the Dean for the use of the University Library.

The doctor's degree is intended to represent not a specified amount of work covering a specified time, but long study and high attainment in a special field, proved in the first place by the presentation of a thesis which displays the power of independent investigation, and in the second place by passing corresponding examinations upon the ground covered by the major and minor subjects chosen at the beginning of the candidacy. The standard for the doctor's degree is determined by the attainment to be expected of an excellent student who begins his work with adequate preparation, and devotes his whole time for three years to his major and minor subjects and to his thesis.

Candidates for the doctor's degree will ordinarily be expected to have a working knowledge of French and German before beginning graduate work; and in all cases they must, before beginning their second year of residence, show to the satisfaction of their special committees that they possess a reading knowledge of these languages. If the subjects chosen by the candidate are of such character as to make it desirable that he should be familiar with some foreign language other than French or German, the special committee may, with the consent of the Dean, permit the substitution of that language for one of the two required.

The thesis for the doctor's degree must be of such character as shall demonstrate the candidate's ability to do original work, and in respect of style and composition must be approved by the General Committee of the Graduate School or by some member of the Faculty who has been designated by the General Committee.

THE MASTER'S DEGREE

Cornell University confers the degrees of Master of Arts, Master of Science, Master of Architecture, Master of Civil Engineering, Master of Mechanical Engineering, Master in Forestry, Master in Landscape Design, and Master of Science in Agriculture.

After admission to candidacy for the degree, the student must spend at least one year in residence at this University and must pursue under the direction of his special committee, a course of advanced study including one major and one minor subject.

Each candidate must present a thesis, or essay, as the chairman of his special committee may decide, which shall demonstrate his ability to do independent work, and which shall be acceptable in style and composition. He must then pass an examination on his major and his minor subjects and on the subject matter of his thesis.

GRADUATE WORK IN THE SUMMER

Graduate work may be pursued during the summer by: (a) a student who is registered in the Graduate School and also in the University Summer Session; (b) a student who is registered in the Graduate School and also in the third term of the College of Agriculture; (c) a student who is registered only in the Graduate School and is working under the direction of a member of his special committee.

Work done in the Summer Session of Cornell University, under the direction of a member of the Faculty of the Graduate School, may be counted for residence toward the master's degree. Two Summer Sessions are considered as one term of residence, four Summer Sessions as two terms.

The third term in the College of Agriculture is accepted for purposes of graduate residence as the equivalent of an equal period during the academic year; but no candidate for the doctor's degree will be allowed to receive credit for more than two terms of residence during any period of twelve months.

Members of the Faculty of the Graduate School wishing to direct during the summer months the studies of graduate students who are registered neither in the Summer Session nor in the third term in Agriculture may obtain authorization for such work by making application to the General Committee not later than May 1 of each year. Students who have already completed at least a full year of graduate work as candidates for an advanced degree, either in this University or in some institution whose graduate work is acceptable, may receive residence credit for work thus authorized. No candidate for the doctor's degree will receive credit for more than two terms of residence during any twelve consecutive months.

FELLOWSHIPS AND GRADUATE SCHOLARSHIPS

The following twenty-five fellowships are offered annually in the Graduate School:

1. The Cornell Fellowship in English.
2. The McGraw Fellowship in Civil Engineering.
3. The Sage Fellowship in Chemistry.
4. The Schuyler Fellowship in Physiology; Vertebrate Zoology, including Anatomy and Histology, and Embryology; or Invertebrate Zoology and Entomology.
5. The Sibley Fellowship in Mechanical and Electrical Engineering.
6. The Goldwin Smith Fellowship in Botany; Geology; or Physical Geography.
7. The President White Fellowship in Physics.
8. The Erastus Brooks Fellowship in Mathematics.
9. The University Fellowship in Architecture.
10. The University Fellowship in Romance Languages.
11. The University Fellowship in German.
12. The University Fellowship in Agriculture or in Veterinary Science.
13. The University Fellowship in Mechanical and Electrical Engineering.
14. The President White Fellowship in Modern History.
15. The President White Fellowship in Political and Social Science.
- 16-17. The Susan Linn Sage Fellowships in Philosophy.
18. The Susan Linn Sage Fellowship in Psychology.
- 19-20. The Fellowships in Political Economy.
- 21-22. The Fellowships in Greek and Latin.
23. The Fellowship in American History.
24. The Edgar J. Meyer Memorial Fellowship in Engineering Research.
25. The Jacob H. Schiff Fellowship in German.

The President White Fellowships in Modern History and in Political and Social Science have an annual value of \$500 each, the others have an annual value of \$400 each. All Fellows are exempt from tuition.

The following seventeen graduate scholarships are offered annually in the Graduate School:

- 1-5. The Susan Linn Sage Graduate Scholarships in Philosophy.
6. The Susan Linn Sage Graduate Scholarship in Psychology.

7. The Graduate Scholarship in Mathematics.
8. The Graduate Scholarship in Chemistry.
9. The Graduate Scholarship in Physics.
10. The Graduate Scholarship in Civil Engineering.
11. The Graduate Scholarship in Latin and Greek.
12. The Graduate Scholarship in Archaeology and Comparative Philology.
13. The Graduate Scholarship in Physiology; Vertebrate Zoology, including Anatomy, and Histology and Embryology; or Invertebrate Zoology and Entomology.
14. The Graduate Scholarship in Botany; Geology; or Physical Geography.
15. The Graduate Scholarship in English.
16. The Graduate Scholarship in History.
17. The Graduate Scholarship in Architecture.

The graduate scholarships with the exception of the scholarship in Architecture, have an annual value of \$200 each. Holders of graduate scholarships are exempt from tuition. The graduate scholarship in Architecture grants free tuition only.

Official forms for submitting applications for fellowships and graduate scholarships may be obtained from the Dean of the Graduate School. All applications must be submitted to him on or before March 15 of the academic year preceding the one for which application is made. Before this application is filed, the applicant should have convinced himself by correspondence with the Dean that he is eligible for admission to the Graduate School of this University in full standing, since appointments are made only to those who are eligible for admission to candidacy for an advanced degree.

The term of each fellowship and graduate scholarship is one year; but the term may under exceptional circumstances be extended to two years.

All persons elected to fellowships and graduate scholarships are required upon accepting their appointments, to file a bond that, in case of their resignation before the expiration of the time for which they were appointed, they will repay to the University any sums that they may have received.

The President White Fellowships in History and Political Science, may in the discretion of the Faculty of the Graduate School, be made travelling fellowships. In the case of a student of very exceptional ability and promise in the field of either of these fellowships, the two fellowships may, in the discretion of the Faculty, be combined for a single year into one.

Industrial Fellowships

In addition to the fellowships enumerated above, there are offered each year in certain subjects special fellowships for which provision has been made for only one or two years. It is usually impossible to announce opportunities of this nature in any particular subject far in advance, but information may at any time be obtained through correspondence with the respective departments.

Honorary Fellowships

Persons upon whom the doctor's degree has already been conferred, or persons who have a recognized standing as scholars or investigators equivalent to that degree, may, in the discretion of the Faculty of the Graduate School, be appointed to honorary fellowships. These fellowships cover all fees except laboratory charges. Actual residence at the University and regular registration in the Graduate School are required of all appointees.

GRADUATE PRIZE IN PHILOSOPHY

A Graduate Prize in Philosophy of the annual value of about \$25, is open for competition to all students registered in the Graduate School. The prize will be awarded to the graduate student who submits the best paper embodying the results of research in the field of philosophy.

For tuition and fees in the Graduate School see page 52.

GRADUATE STUDENTS, 1919-1920

†Not a candidate for a degree. ††Seniors who had completed the requirements for the baccalaureate degree (except in some cases the residence requirement) but were admitted to the Graduate School before the degree was actually conferred.

Adams, Katharine Rogers, A.B. (Wellesley) 1911, A.M. (Cornell) 1919	Poughkeepsie
English Literature, Medieval History, English Language. (Cooper, Burr, Monroe)	Ph.D.
Aiken, Hugh Kerr, jr., B.S. (Davidson) 1918	Laurens, S. C.
Organic Chemistry, Analytical Chemistry, Physical Chemistry	Ph.D.
(Orndorff, Dennis, Briggs)	
Ainsworth, Oliver Morley, B.S. (Cornell) 1915	Campbell
English Literature, Old English, Greek. (Cooper, Monroe, Bristol)	Ph.D.
Alden, Rose, A.B. (Mount Holyoke) 1901	Newark, N. J.
English, English Literature. (Adams, Cooper)	A.M.
Allen, Charles Loring, A.B., 1916. M.S. in Agr. (Cornell) 1919	Brodhead
Animal Husbandry, Farm Management, Animal Nutrition and Biochemistry.	Ph.D.
(Wing, Warren, Maynard, Sumner)	
Allen, Howard Bushnell, B.S. (Cornell) 1914	Hamburg
Rural Education, Farm Management. (Works, Kruse, Livermore)	M.S.
†Allen, (Mrs.) Ida J., B.S. (Cornell) 1919	Ithaca
Adviser, Miss Van Rensselaer.	
Allen, Mavea Geraldine, B.S. (Colorado Agr.) 1915	Ithaca
Poultry Husbandry, Agricultural Chemistry. (Benjamin, Cavanaugh)	M.S.
Allman, Drue, B.S. (Cornell) 1915	Richmond Hill
Farm Crops, Plant Physiology. (Schneck, Curtis)	M.S. in Agr.
Anderson, Ethel Louise, B.A. (Mount Holyoke) 1919	Jamestown
Embryology and Histology, Pathology and Bacteriology. (Kingsbury, Moore)	A.M.
Anthony, Roy David, B.S. (Rochester) 1908, B.S., M.S. in Agr. (Cornell) 1910, 1913	Ithaca
Plant Breeding, Pomology, Plant Physiology.	Ph.D.
(Love, Myers, Chandler, Knudson, Curtis)	
Asmundson, Vigfus, B.S.A. (Saskatchewan) 1918	Tantallon, Sask., Canada
Poultry Husbandry, Plant Breeding. (Kent, Hutchison)	M.S. in Agr.
Atkinson, Henry Victor, B.S. in C.E. (Ohio State) 1911	Van Wert, Ohio
Physiology, Physiological Chemistry, Preventive Medicine.	Ph.D.
(Lusk, Benedict, Torrey)	
Atwood, Leland Leavitt, A.B. (Clark) 1916	Plymouth, N. H.
French, Spanish. (Mason, Keniston)	A.M.
Auer, Johannes A. C. Fagginger, A.C. (Amsterdam) 1906	Ithaca
Logic and Metaphysics, Ethics, History. (Thilly, Burr, Creighton, Hammond, Albee)	Ph.D.
Bacon, Charles Avery, B.S. (Cornell) 1914	Albion
Rural Education, Rural Organization. (Works, Sanderson)	M.S. in Agr.
Baerg, Gerhard, A.B. (Kansas) 1916, A.M. (Cornell) 1918	Hillsboro, Kansas
German Education, French (Faust, Ogden, Mason)	Ph.D.
Bailey, Austin, A.B. (Kansas) 1915	Lawrence, Kansas
Experimental Physics, Theoretical Physics, Physical Chemistry.	Ph.D.
(Merritt, Gibbs, Briggs)	
†Baldwin, Henry Ives, B.A. (Yale) 1919	Saranac Lake
Adviser, K. McK. Wiegand.	
Banner, Erford Lynn, B.S. M.S. in Agr. (Cornell) 1915, 1916	Ithaca
Poultry Husbandry, Embryology, Rural Education. (Rice, Kingsbury, Works)	Ph.D.
Bason, George Francis, B.E. (North Carolina, A. and M) 1908, M.E. (Cornell), 1916	Ithaca
Electrical Engineering, Mathematics. (Gray, Owens)	M.M.E.
††Baughner, Thomas LeRoy, A.B. (Cornell) 1920	Baltimore, Md.
Adviser, J.P. Bretz.	
Bayley, Paul Levern, A.B. (Arkansas) 1913, A.M. (Illinois) 1914	Fort Smith, Ark.
Experimental Physics, Mathematical Physics, Mathematics.	Ph.D.
(Merritt, Gibbs, Hurwitz)	
Becker, Joseph Adam, A.B. (Cornell) 1918	Elmont
Experimental Physics, Theoretical Physics, Mathematics.	Ph.D.
(Merritt, Kennard, Hurwitz)	
Bedient, Harold Arthur, A.B. (Albion) 1916	Albion, Mich.
Chemical Microscopy, Organic Chemistry, Agricultural Chemistry.	Ph.D.
(Chamot, Orndorff, Cavanaugh)	
Benjamin, Foster Hendrickson, B.S. (Cornell) 1920	Flushing
Systematic Entomology, Physical Geography. (Needham, von Engeln)	A.M.
Benner, James William, D.V.M. (Kansas State Agr.) 1911	Ithaca
Bacteriology, Serum Therapy. (Moore, Birch)	M.S.
Bittner, Stanley Franklin, B.S. (Bethany) 1916	Slatington, Pa.
Animal Husbandry, Farm Management. (Savage, Warren)	M.S. in Agr.
Blake, Marion Elizabeth, B.A. (Mount Holyoke) 1913, A.M. (Cornell) 1918	New Haven, Conn.
Latin, Greek, Greek Archaeology. (Bennett, Bristol, Andrews)	Ph.D.
Blauvelt, Livingston, A.B. (Yale) 1917	Ithaca
Poultry Husbandry, Animal Husbandry. (Rice, Maynard)	M.S.
Bodansky, Marie Syrkin, A.B. (Cornell) 1919	Ithaca
English Poetry, Greek. (Sampson, Bristol)	A.M.

- †Boggs, Lilian B., B.Sc. (Denison) 1915
Adviser, Miss Rose. Halifax, N. S., Canada
- Boshnakian, Sarkis, B.S. in Agr. (Wisconsin) 1914, M.S. in Agr. (Cornell) 1915
Plant Breeding, Plant Physiology, Floriculture. Madison, Wis.
(Love, Emerson, Knudson, Curtis, White) Ph.D.
- Boughton, Paul N., B.S. (Cornell) 1920
Rural Economics, Farm Management. (Lauman, Livermore) Brooklyn
M.S.
- Bowen, Ward Culver, A.B., A.M. (Oberlin) 1915, 1916
Economic Geology, Mineralogy, Paleontology. (Ries, Gill, Harris) Ithaca
Ph.D.
- Bowman, Florence A., B.S. (Elmira) 1919
Entomology, Zoology. (Needham, Reed) Dryden
M.S.
- Boyd, Oran Cecil, B.S. in Agr. (Oklahoma A. and M.) 1916
Plant Pathology, Plant Physiology, Physical Chemistry. (Blodgett, Curtis, Briggs) Hooker, Okla.
Ph.D.
- Branch, Hazel E., A.B., A.M. (Kansas) 1908, 1912
Insect Morphology, Systematic Entomology, Zoology. (Johannsen, Needham, Reed) Wichita, Kansas
Ph.D.
- Brandes, George Henry, B.Chem. (Cornell) 1918
Physical Chemistry, Analytical Chemistry, Economic Geology. (Briggs, Dennis, Ries) Oswego
Ph.D.
- Brittain, W. H., B.S.A. (McGill) 1911
Economic Entomology, Systematic Entomology. (Matheson, Johannsen) Truro, N. S., Canada
M.S. in Agr.
- Bronson, Wesley Hotchkiss, B.S. (Cornell) 1913
Farm Management, Economics. (Warren, Willcox) Amherst, Mass.
M.S. in Agr.
- †Brown, Harold Gordon, B.S. (Cornell) 1920
Adviser, H. H. Whetzel. Deerfield
- Browne, Dudley Malcolm, B.S. (Cornell) 1920
Ramsay, N. J.
- Bruman, Abraham Joseph, B.S. in Agr. (Nebraska) 1918
Plant Pathology, Plant Physiology, Plant Breeding. (Whetzel, Barker, Curtis) Ithaca
Ph.D.
- Bruyere, Andries Johannes, B.A. (Cape of Good Hope) 1915
Ladismith, Cape Province, S. Africa
Ph.D.
- Burlage, Stanley Ross, B.S., A.M. (Cornell) 1917, 1919
Physiology, Histology, Biochemistry. (Simpson, Kingsbury, Sumner) Fredonia
Ph.D.
- Butler, Anna Louise, A.B. (Middlebury) 1910
American History, Medieval History, American Literature. (Hull, Burr, Prescott) Proctor, Vt.
Ph.D.
- Buy, John Levenus, B.S. (Cornell) 1919
Systematic Entomology, Economic Entomology, Zoology. (Johannsen, Matheson, Reed) Sodus Point
Ph.D.
- †Caldas, Octavio Brandas, (Escola Superior Agriculura) 1917
Adviser, O. A. Johannsen. Rio, Brazil
- Caplan, Harry, A.B., A.M. (Cornell) 1916, 1917
Latin, Greek, Archaeology. (Bennett, Bristol, Andrews) Albany
Ph.D.
- Card, Dana George, B.S. (Cornell) 1919
Farm Management, General Economics. (Misner, Warren, Young) Sylvania, Pa.
M.S. in Agr.
- Card, Leslie Ellsworth, B.S. (Cornell) 1914
Poultry Husbandry, Farm Management, Animal Husbandry. (Rice, Warren, Savage) Sylvania, Pa.
Ph.D.
- Carlson, Fred Albert, B.S. (Mass. Agr.) 1918
Soil Technology, Geology, Farm Crops. (Lyon, Bizzell, Ries, von Engeln, Montgomery) Pittsfield, Mass.
Ph.D.
- Carpenter, Charles Milton, D.V.M., M.S. (Cornell) 1917, 1919
Veterinary Bacteriology, Physiology, Obstetrics. (Moore, Simpson, Williams) Unadilla
Ph.D.
- ††Cautley, Randolph Vivian, A.B. (Cornell) 1920
Statistics, Economic Theory. (Willcox, Davenport) Yonkers
A.M.
- Chamberlain, Thomas K., B.S. (Cornell) 1920
Limnology, Veterinary Pathology. (Needham, Goldberg) Brooklyn
M.S. in Agr.
- Chamberlain, Walter Edwin, B.S. (New Hampshire State) 1916
Rural Education, Rural Organization. (Works, Sanderson) Waynesburg, Pa.
M.S. in Agr.
- Chang, Che Hsi, C.E. (Peking Government) 1919
Railroad Engineering, Bridge Engineering. (Barnes, Jacoby) Kiang-Si, China
M.C.E.
- Chaoushglou, Charilaus George, A.B. (Williams) 1920
Williamstown, Mass.
- Chardon, Carlos Eugenio, B.S. (Cornell) 1919
Mycology, Plant Pathology, Botany. (Fitzpatrick, Whetzel, Schramm) Ponce, Porto Rico
Ph.D.
- Chasman, Israel, B.A., M.A. (Texas) 1916, 1918
History of Philosophy, Ethics, English. (Creighton, Albee, Hammond, Thilly, Adams) Brooklyn
Ph.D.
- Chen, Che Kwei, A.B. (Cornell) 1918
Statistics, Economics and Finance. (Willcox, Davenport) Peking, China
A.M.
- †Chen, Chia Lin, (Tientsin Naval) 1894
Adviser, N. Schmidt. Peking, China
- Chen, Kwan Shun, B.S. (Nanking) 1919
Agricultural Chemistry, Pomology. (Cavanaugh, Chandler) Shanghai, China
M.S. in Agr.
- Chesebrough, M. Arlouine, A.B. (Cornell) 1918
Comparative Anatomy, Histology and Embryology. (Reed, Kingsbury) West Edmeston
A.M.
- Ch'en, Chen, B.S. (Nanking) 1918
Social Science, Economics, Ethics. (Willcox, Davenport, Thilly) Tukiaup, Kiangsi, China
Ph.D.
- †Cleveland, Lloyd S., A.B. (Cornell) 1919
Adviser, J. P. Bretz. Endeavor, Pa.
- ††Clinton, Charles Lewis, A.B. (Cornell) 1920
Adviser, H. J. Davenport. Ithaca
- Clum, Harold Haydn, A.B. (Oberlin) 1917
Plant Physiology, Plant Pathology, Physical Chemistry. (Curtis, Massey, Briggs) Cleveland Heights, Ohio
Ph.D.
- Cogswell, Roberts George, A.B. (Colgate) 1918
Plant Pathology, Entomology, Botany. (Whetzel, Matheson, Curtis) Attica
Ph.D.

- †Cole, Roy Kenneth, B.A. (Pomona) 1917
Advisers, J. A. Bizzell, T.L. Lyon. Whittier, Cal.
- Collins, Jacob Roland, B.S. (Ohio) 1912, M.S. (Purdue) 1914 Ithaca
- Experimental Physics, Alternating Currents, Mathematics. (Gibbs, Bedell, Hurwitz) Ph.D.
- Colucci, Frank, A.B. (Rochester) 1916 Holley
- French, Spanish. (Mason, Keniston) A.M.
- Comstock, Claire, A.B. (Smith) 1912, A.M. (Columbia) 1916 Norwalk, Conn.
- Experimental Psychology, Education, French. (Titchener, Ogden, Mason) Ph.D.
- Connor, Helen Margaret, A.B. (Indiana State Normal), 1911, A.M. (Indiana) 1912 Terre Haute, Ind.
- Latin, Elizabethan Literature, Old English. Ph.D.
- (Bennett, Adams, Monroe)
- Corby, Alonzo Fisher, Ph.B. (Lafayette) 1919 Nesquehoning, Pa.
- Experimental Physics, Theoretical Physics. (Merritt, Gibbs) M.S.
- Corey, Robert Brainard, B. Chem. (Pittsburgh) 1919 Barborton, Ohio
- Inorganic Chemistry, Chemical Microscopy, Physical Chemistry. Ph.D.
- (Dennis, Briggs, Chamot)
- Cormany, Charles Evans, B.S. in Agr., A.M. (New Mexico A. and M.) 1918 State College, N.M.
- Farm Crops, Rural Education. (Wiggans, Montgomery, Ferriss, Lusk) M.S. in Agr.
- Cornwell, Ralph Thomas Kline, B. Chem. (Cornell) 1918 Northumberland, Pa.
- Organic Chemistry, Physical Chemistry, Chemical Microscopy. Ph.D.
- (Orndorff, Briggs, Chamot)
- Corrington, Julian Dana, A.B. (Cornell) 1913 Ithaca
- Comparative Vertebrate Morphology, Histology and Embryology, Ph.D.
- Systematic Vertebrate Zoology. (Reed, Kingsbury, Wright)
- Corwin, Helen Genevieve, B.A. (Pomona) 1919 Claremont, Cal.
- Zoology, Botany. (Wright, Eames, Wiegand) A.M.
- Coville, Perkins, B.S. (Cornell) 1918 Ithaca
- Silviculture, Forest Protection. (Spring, Hosmer) M.F.
- Crouse, Nellis Maynard, B.A. (Yale) 1906 Utica
- American History, Modern European History. (Bretz, Becker) A.M.
- †Curtis, Ralph Raymond, A.B. (Princeton) 1914 Brooklyn
- Adviser, G. W. Cavanaugh
- Curtiss, Leon Francis, A.B. (Cornell) 1917 Ithaca
- Experimental Physics, Theoretical Physics, Alternating Currents. Ph.D.
- (Gibbs, Merritt, Bedell)
- †Cutler, Paul Colman, B.S. (Cornell) 1917 New York City
- Dadisman, Andrew Jackson, B.S. (West Virginia) 1914, M.S. in Agr. (Cornell) 1914
- Farm Management, Political Science, Rural Organization. Grafton, W. Va.
- (Warren, Willcox, Sanderson) Ph.D.
- Dagnall, Clarence Herschel, B.S. (Mass. Inst. of Tech.) 1918, B.S. in Eng. (Harvard) 1918 Fall River, Mass.
- Electrical Engineering, Mathematics. (Karapetoff, Sharpe) M.S.
- Degener, Lyda May, A.B., A.M. (Cornell) 1914, 1916 Philadelphia, Pa.
- Comparative Anatomy, and Morphology, Human Physiology, Botany. Ph.D.
- (Reed, Simpson, Rowlee)
- Demerec, Milislav, Eng. in Agr. (Royal High Agr.) 1915 Krizevici, Yugoslavia
- Plant Breeding, Plant Physiology, Plant Pathology. (Emerson, Curtis, Whetzel) Ph.D.
- Detwiler, John D., B.A., M.A. (Queen's) 1912, 1913 Kitchener, Ont., Canada
- Economic Entomology, Morphological Entomology, Zoology. Ph.D.
- (Herrick, Johannsen, Reed)
- †Dietze, Charlotte Amy, B.A. (Sophie Newcomb) 1919 New Orleans, La.
- Adviser, C. H. Hull
- Dill, Florence Mary, A.B. (Cornell) 1920 Buffalo
- English Literature, English Language. (Cooper, Monroe) A.M.
- Dimmick, Forrest Lee, A.B. (Cornell) 1915 Ithaca
- Psychology, Educational Psychology, Physiology. (Titchener, Ogden, Simpson) Ph.D.
- Dolson, Guy C. Bayley, A.B. (Cornell) 1918 New Paltz
- English Literature, English Language. (Cooper, Monroe) A.M.
- Dorsey, Ernest, B.S. (Minnesota) 1916 Dresden, Ohio
- Plant Breeding, General Botany, Physical Chemistry. (Love, Sharp, Briggs) Ph.D.
- Downs, Paul Andrew, B.S. (Connecticut Agr.) 1918 Waterbury, Conn.
- Dairy Industry, Agricultural Chemistry. (Stocking, Cross) M.S.
- duBois, Raymond Van Order, B.S. (Cornell) 1920 Forest Glen
- Poultry Husbandry, Pomology. ((Kent, Chandler) M.S.
- Du Mond, Frank Lee, B.S. (Cornell) 1920 Kingston
- Forest Administration, Forest Protection. (Recknagel, Hosmer) M.F.
- Dunlap, Vining Campbell, A.B. (Bates) 1914, A.M. (Cornell) 1916 Bowdoinham, Me.
- Botany (Mycology), Botany (Ecology), Zoology (Systematic). Ph.D.
- (Rowlee, Fitzpatrick, Wright)
- †Dunn, Hazel Sarah, B.S. (Cornell) 1919 Forest Home
- Adviser, Miss Rose
- Dunn, Percy Lawrence, B.S. (Cornell) 1919 Ithaca
- Farm Management, Rural Organization. (Warren, Sanderson, Thompson) M.S. in Agr.
- Edwards, Faye Lenore, A.B. (Cornell) 1917 Ithaca
- French, English. (Mason, Northup) A.M.
- Elliott, William Perry, A.B. (Cornell) 1919 New Berlin
- Anatomy, Physiology. (Kerr, Simpson) A.M.
- Ellis, Douglas, B.Sc., M.A., B.A. (Queen's) 1910, 1909, 1907 Kingston, Ont., Canada
- Hydraulics, Concrete Construction. (Schoder, Urquhart) M.C.E.

- Emerson, Alfred Edwards, B.S. (Cornell) 1918. Ithaca
Biology, Systematic Entomology. (Needham, Johannsen) A.M.
- Everitt, John Samuel, B.S. (Cornell) 1917 Sayre, Pa.
Forest Management, Forest Protection. (Recknagel, Hosmer) M.F.
- Eyster, Lewis A., A.B. (Bucknell) 1917 Fisher's Ferry, Pa.
Plant Breeding, Systematic Botany, Plant Physiology. Ph.D.
- (Emerson, Wiegand, Eames, Curtis)
- Eyster, William Henry, A.B., A.M. (Bucknell) 1914 Fisher's Ferry, Pa.
Plant Breeding, Plant Histology, Systematic Botany. Ph.D.
- (Emerson, Eames, Rowlee, Stoneman)
- Fernald, Evelyn Ida, A.B. (Vassar) 1912 West Groton, Mass.
Plant Physiology, General Botany. (Curtis, Eames, Sharp) A.M.
- Fernow, Karl Hermann, B.S. (Cornell) 1916 Watport
Plant Pathology, Botany, Physical Chemistry. (Blodgett, Eames, Briggs) Ph.D.
- Fisher, Mary Jones, A.B., A.M., (Cornell) 1906, 1916 Greensboro, Md.
Plant Anatomy, Animal Morphology, Biology. (Eames, Reed, Needham) Ph.D.
- Fiske, Frederick Ebell, A.B. (Cornell) 1914 Ithaca
Elizabethan Literature, Philosophy, Nineteenth Century Poetry. Ph.D.
- (Adams, Creighton, Sampson)
- ††Flint, Joseph Howard, B.Chem. (Cornell) 1920 Athens
Physical Chemistry, Inorganic Chemistry, Agricultural Chemistry. Ph.D.
- (Briggs, Dennis, Cavanaugh)
- Fox, DeForest, A.B., (Cornell) 1919 Worcester
Ethics, Logic and Metaphysics. (Thilly, Creighton) A.M.
- †Friedman, Eli M., A.B. (Cornell) 1917 Massena
Adviser, A. T. Kerr.
- Fronza, Francisco M., B.Agr. (Philippines) 1919 Aliago, Nueva Ecija, P. I.
Poultry Husbandry, Animal Husbandry. (Heuser, Maynard) M.S.
- Gabriel, Harry S., B.S. (Cornell) 1915 Watkins
Rural Education, Rural Organization. (Works, Sanderson) M.S.
- Gagne, Charles, B.A., B.L., B.Agr. (Laval) 1916, 1919 Lotbinié, Saint Gilles, Canada
Rural Economy, Farm Management. (Lauman, Warren) M.S. in Agr.
- Gamble, Dean Le Fever, B.S. (Cornell) 1916 Ithaca
Comparative Anatomy, Ornithology, Histology. (Reed, Allen, Kingsbury) Ph.D.
- Gaskill, Gussie Esther, A.B., A.M. (Kansas) 1918, 1919 Lawrence, Kan.
European History, Oriental History, Political Science. (Becker, Schmidt, Usher) Ph.D.
- Gavett, Joseph William, jr., M.E. (Cornell) 1911 Plainfield, N. J.
Metallography, Experimental Engineering. (Upton, Sawdon) M.M.E.
- †Gee, James Gilliam, B.S. (Clemson Agr.) 1917 Columbia, S. C.
Adviser, G. A. Works.
- Georgia, Frederick Raymond, B.Chem. (Cornell) 1915 Ithaca
Sanitary Chemistry, Agricultural Chemistry, Bacteriology. Ph.D.
- (Chamot, Cavanaugh, Moore)
- Gershoy, Leo, A.B. (Cornell) 1919 New York City
French, European History. (Mason, Becker) A.M.
- Gillett, Roy Lewis, B.S. (Cornell) 1917 Colden
Farm Management, Economics, Soils. Ph.D.
- (Livermore, Warren, Davenport, Bizzell, Lyon)
- Gillis, Merl Conrad, B.S. in Agr. (Purdue) 1917 South Bend, Ind.
Plant Breeding, Soil Technology. (Bussell, Bizzell, Lyon) M.S. in Agr.
- Gilman, Herbert, D.V.M. (Cornell) 1917 Ithaca
Veterinary Bacteriology and Pathology, Veterinary Obstetrics. (Moore, Williams) M.S.
- Glaser, Jerome, A.B. (Cornell) 1919 Sayre, Pa.
Anatomy, Bacteriology and Pathology. (Kerr, Moore) A.M.
- Goode, Clement Tyson, A.B. (Wake Forest) 1905, A.M. (Harvard) 1911 Sweet Briar, Va.
English Poetry, Middle English, Elizabethan Literature. (Sampson, Strunk, Adams) Ph.D.
- Gottschalk, Louis, A.B. (Cornell) 1919 Brooklyn
Modern European History, Medieval History, Ancient History. A.M.
- (Becker, Schmidt, Burr)
- Grantham, Guy Everett, A.B., A.M. (Indiana) 1909, 1913 New Richmond, Ind.
Experimental Physics, Theoretical Physics, Alternating Currents. Ph.D.
- (Gibbs, Merritt, Bedell)
- Gratz, Levi O., A.B. (Bluffton) 1915 Bluffton, Ohio
Plant Pathology, Plant Physiology, Physical Chemistry. (Dye, Curtis, Briggs) Ph.D.
- Graybeal, Henry Clay, B.A. (Emory and Henry) 1913 Damascus, Va.
Rural Education, Rural Economy. (Works, Ferriss, Lauman) M.S.
- †Graybeal, Mrs. June, A.B. (Emory and Henry) 1913 East Radford, Va.
Adviser, A. M. Stewart.
- Grimm, Jay John, B.S. (Grinnell) 1910 Gainesville, Fla.
Plant Physiology, Plant Morphology and Cytology, Physical Chemistry. Ph.D.
- (Curtis, Knudson, Sharp, Briggs)
- Griswold, Grace H., B.S. (Cornell) 1918 Ithaca
Economic Entomology, Landscape Art, Insect Morphology. Ph.D.
- (Herrick, Curtis, Johannsen)
- †Guiles, Marion H., B.S. (Cornell) 1920 Elmira
Adviser, N. Schmidt.
- Gustafson, Axel Ferdinand, B.S., M.S. (Illinois) 1907, 1912 Alledo, Ill.
Soil Technology, Physical Chemistry, Physical Geography, and Economic Geology. Ph.D.
- (Lyon, Briggs, von Engeln, Ries)
- Haines, George, B.S., M.S. in Agr. (Cornell) 1917, 1918 Pleasantville
Animal Husbandry, Pathology and Bacteriology, Veterinary Physiology. Ph.D.
- (Harper, Moore, Hayden)

- †Haley, Simon Alexander, B.S.A. (N. C. Negro Agr. and Tech.) 1918 Savannah, Tenn.
Adviser, E. G. Montgomery.
- ††Harris, Dorothy Margaret, A.B. (Cornell) 1920 Ithaca
Physical Geography, Paleontology. (von Engeln, Harris) A.M.
Hart, Van Breed, B.S. (Cornell) 1916 McLean
Farm Management, American History, Rural Engineering. (Warren, Hull, Robb) Ph.D.
Heffner, Roy Edward, A.B., B.S. in E.E. (Oklahoma) 1918, 1919 Clinton, Okla.
Electrical Engineering, Mathematics. (Karapetoff, Sharpe) M.S.
Helfter, Geraldine Mary M., A.B. (D'Youville) 1919 Williamsville
Literary Criticism, Old English. (Cooper, Monroe) A.M.
Hemphill, Raymond John, B.Chem. (Cornell) 1919 Jamestown
Inorganic Chemistry, Organic Chemistry, Geology. (Browne, Orndorff, Ries) Ph.D.
Hettich, Ernest Leopold, A.B. (Cornell) 1919 Ridgefield Park, N. J.
American History, European History, Social Science. (Hull, Becker, Willcox) Ph.D.
Hieber, Evelyn, A.B. (Cornell) 1918 Utica
Physical Chemistry, Foods Chemistry. (Briggs, Chamot) A.M.
†Hirsh, Donald J., B.S. (Conn. Agr.) 1919 New York City
Adviser, E. S. Savage.
- *Ho, Yun Huang, A.B. (Cornell) 1917 Wuchang, China
Mathematical Analysis, Geometry, Mathematical Physics. Ph.D.
(Hurwitz, Snyder, Kennard)
- †Hoefer, Fred Schmidt, B.S. (Clemson) 1918 Columbia, S. C.
Adviser, A. M. Gray.
- Hoel, Archie Bernhard, B.A. (Montana) 1916 Spring Valley, Wis.
Physical Chemistry, Quantitative Chemistry, Geology. (Briggs, Dennis, Ries) Ph.D.
Hogan, Agnes Cecilia, B.S. (Cornell) 1917 New York City
Zoology, Rural Education. (Reed, Ferriss, Palmer) A.M.
Hoisington, Louis Benjamin, B.A. (Oregon) 1915 Ithaca
Psychology, Educational Psychology, Mathematics. (Titchener, Ogden, McMahon) Ph.D.
Holland, Robert Thomas, A.M. (Northwestern) 1911 Scottsville, Ky.
Psychology, Education, Physiology. (Titchener, Ogden, Simpson) Ph.D.
Holmes, Major Edward, A.B. (Indiana) 1908, A.M. (Cornell) 1910 Kempton, Ind.
Inorganic Chemistry, Physical Chemistry, Economic Geology. (Browne, Briggs, Ries) Ph.D.
Holmes, Ralph Maynard, A.B. (Maine) 1911, M.A. (Wesleyan) 1913 Ellsworth, Me.
Experimental Physics, Theoretical Physics, Applied Electricity. Ph.D.
(Merritt, Kennard, Bedell)
- †Hon, Chia Yuen, A.T.E.C. (Tangchan Eng.) 1918, M.C.E. (Cornell) 1919 Soochow, China
Adviser, F. A. Barnes.
- Hopkins, Edward Stanley, B.S.A. (Ontario Agr.) 1911, M.S. (Wisconsin) 1916 Alberta, Canada
Soil Technology, Farm Crops, Agricultural Chemistry. (Lyon, Montgomery, Rice) Ph.D.
Horn, Paul V., B.S. (Maryland) 1919 Baltimore, Md.
Farm Management, Animal Husbandry. (Livermore, Savage) M.S.
Hotchkiss, Herbert Vinton, B.S. C.E. (Pennsylvania) 1914, A.B. (Cornell) 1917 Ithaca
Early 19th Century Poetry, Elizabethan Drama, Elizabethan Ph.D.
Period of English History (Sampson, Adams, Sweet)
- Hsu, Chen-ken, B.S. (Nanking) 1919 Soochow, China
Plant Breeding, Pomology. (Love, Chandler) M.S. in Agr.
Huang, Pao Chao, B.S.C.E. (Govt. Inst. of Technology) 1919 Kwantung, China
Railroad Engineering, Sanitary Engineering. (Barnes, Ogden) M.C.E.
Huang, Tuh Siu, B.Sc. (Govt. Inst. of Technology China) 1916 Schenectady
Electrical Engineering, Mathematics. (Karapetoff, Gillespie) M.M.E.
Huckett, Hugh Cecil, B.S.A. (Ontario Agr.) 1919 Meadfoot, Cuckfield, England
Systematic Entomology, Zoology. (Johannsen, Reed) M.S. in Agr.
†Hultzen, Lee Sisson, A.B. (Cornell) 1920 Norwich
Public Speaking, English. (Winans, Cooper) A.M.
Humphrey, Rufus R., A.B. (Michigan State Normal) 1917 Woodhaven
Embryology and Histology, Zoology. (Kingsbury, Reed) A.M.
†Hunt, Philip W., B.A. (Yale) 1906 Cincinnati, Ohio
Adviser, O. B. Kent.
- Hyatt, Alice Rothwell, B.S. (Elmira) 1914 Elmira
Experimental Physics, Theoretical Physics. (Gibbs, Murdock) M.S.
Hyatt, James Mead, B.S. (Cornell) 1914 Owego
Experimental Physics, Theoretical Physics, Alternating Currents. Ph.D.
(Gibbs, Kennard, Bedell)
- Jackson, Howard Campbell, B.S., M.S. in Agr. (Cornell) 1915, 1918 Ithaca
Dairy Industry, Dairy Bacteriology, Organic Chemistry. (Guthrie, Stocking, Orndorff) Ph.D.
Jenkins, Erwin W., B.S. (Cornell) 1918 Sidney Center
Pomology, Rural Economics. (Rees, Lauman) M.S. in Agr.
Jenness, James Russell, S.B. (Denison) 1906 Chrisman, Ill.
Experimental Physics, Theoretical Physics, Applied Electricity. Ph.D.
(Gibbs, Merritt, Bedell)
- Kahler, Herbert, B.S. (Washington) 1918 Washington, D. C.
Experimental Physics, Mathematics, Theoretical Physics. Ph.D.
(Shearer, Sharpe, Kennard)
- Kawamata, Takashi, B.S. (Wasoda) 1917 New York City
Electrical Engineering, Mechanical Engineering. (Karapetoff, Barnard) M.M.E.
Keasbey, Louise Edwina, A.B. (Cornell) 1919 Morristown, N. J.
Histology, Physiology. (Kingsbury, Simpson) A.M.

- Kehr, Marguerite Witmer, B.A. (Tennessee) 1911, M.A. (Wellesley) 1914
Education, Philosophy, Psychology. (Ogden, Creighton, Weld) Knoxville, Tenn.
Ph.D.
- Kelley, Louise, A.B. (Mount Holyoke) 1916
Organic Chemistry, Analytical Chemistry, Chemical Microscopy. Franklin, N. H.
Ph.D.
- (Orndorff, Cavanaugh, Chamot)
- Kennedy, James Arthur, A.B. (Cornell) 1917
Sanitary Chemistry, Analytical Chemistry. (Chamot, Cavanaugh) Ithaca
A.M.
- Kennell, Lester Spruce, A.B., A.M. (Rochester) 1913, 1916
Spanish, French, Italian. (Keniston, Mason, Hamilton) Rochester
Ph.D.
- Kibbe, Alice Lovine, A.B., M.A. (Washington) 1910, 1914
Botany, Zoology. (Eames, Reed) Bellingham, Wash.
M.S.
- Kirby, Robert Stearns, B.S. (New Mexico A. and M.) 1916, M.S. (Iowa State) 1917,
Plant Pathology, Chemistry, Pomology. Mesilla Park, New Mexico
Ph.D.
- (Whetzel, Briggs, Chandler)
- Kirkland, Joseph Brackin, B.S. (Cornell) 1918
Rural Education, Farm Management. (Works, Livermore) Ellisville, Miss.
M.S.
- †Kline, Emil, A.B. (Cornell) 1920
Organic Chemistry, Physical Chemistry. (Orndorff, Briggs) Hudson
A.M.
- †Kobuski, Agnes Marie, A.B. (Cornell) 1920
English, Education. (Broughton, Ogden) Gloversville
A.M.
- Koller, Lewis Richard, A.B. (Cornell) 1917
Experimental Physics, Alternating Currents, Physical Chemistry. New York City
Ph.D.
- (Merritt, Bedell, Briggs)
- Koo, Nee Sun, B.S. in C.E. (Govt. Inst. of Technology) 1918, M.C.E. (Cornell) 1919
Bridge Engineering, Railroad Engineering, Engineering Mechanics. Shanghai, China
Ph.D.
- (Urquhart, Jacoby, Barnes, Rettger)
- Krum, Olin Clifford, B.S. (Cornell) 1917
Poultry Husbandry, Ornithology. (Kent, Allen) Ithaca
M.S. in Agr.
- †Kruskal, Victoria, A.B. (Hunter) 1919
Adviser, A. T. Kerr. New York City
- Kwei, Chi Ting, B.A. (Yale) 1917
Experimental Physics, Theoretical Physics. (Merritt, Kennard) Shasi, China
M.S.
- Ladd, Henry Andrews, A.B. (Amherst) 1918
Elizabethan Literature, Dramatic Structure, Philosophy. Portland, Ore.
Ph.D.
- (Adams, Sampson, Creighton)
- Larson, Axel Martin, B.S. C.E. (Washington) 1918
Naval Architecture, Marine Engineering. (McDermott, Barnard) Parkland, Wash.
M.M.E.
- Lathrop, Frank Waldo, B.A. (Yale) 1911, M.S. in Agr. (Cornell) 1914
Rural Education, Farm Management, Rural Economy. (Works, Warren, Lauman) New London, Conn.
Ph.D.
- Latta, John Stephen, B.A. (Miami) 1916
Histology and Embryology, Comparative Vertebrate Anatomy, Entomology. College Corner, Ohio
Ph.D.
- (Kingsbury, Reed, Needham)
- Lawrence, (Mrs.) Agnes Alberta, B.S. (Cornell) 1919
Bacteriology, Rural Education. (Stocking, Works, Butterworth, Binzel) Ithaca
M.S.
- Lee, Iu Cheung, B.S. (Hong Kong) 1917
Hydraulics, Sanitary Engineering. (Schoder, Ogden) Hong Kong, China
M.C.E.
- Leister, Claude Willard, B.S. (Cornell) 1917
Ornithology, Systematic Zoology. (Allen, Wright) West Point, Pa.
Conn.
- Lennon, Mary Florence, B.A. (Connecticut College for Women) 1919
Logic and Metaphysics, Ethics. (Creighton, Albee, Hammond, Thilly) Hartford, Conn.
A.M.
- Leonard, Margery, B.A. (Wellesley) 1919
Plant Pathology, Botany. (Whetzel, Eames) Oakland, Me.
A.M.
- †Levin, Bessie, A.B. (Cornell) 1920
French, Philosophy. (Mason, Thilly) Brooklyn
A.M.
- Lewis, Mary Brittain, A.B. (Winthrop) 1919
English, Philosophy. (Adams, Creighton) Tagewell, Va.
A.M.
- Liang, Yin Nien, B.S. (Peking Technical) 1910, M.M.E. (Cornell) 1919
Electrical Engineering, Heat Power Engineering, Applied Electricity. Peking, China
Ph.D.
- (Karapetoff, Matthews, Bedell)
- †Liddell, Albert Walker, A.B. (Cornell) 1920
English Literature, Old English, Philosophy. (Cooper, Monroe, Creighton) Argyle
Ph.D.
- Liddell, Howard Scott, A.B., A.M. (Michigan) 1917, 1918
Physiology, Histology, Anatomy. (Simpson, Kingsbury, Kerr) Erie, Pa.
Ph.D.
- Linao, Julian J., B.S. (Ohio State) 1920
Rural Organization, Rural Economy. (Sanderson, Lauman) Moron, Batoon, P. I.
M.S.
- Lindsley, Luther Campbell, B.A. (William and Mary) 1908
Inorganic Chemistry, Organic Chemistry, Agricultural Chemistry. Manassas, Va.
Ph.D.
- (Dennis, Orndorff, Cavanaugh)
- Ling, Ernest Fitchard, B.S. (Allegheny) 1916, A.M. (Cornell) 1917
Experimental Physics, Theoretical Physics, Photometry. (Merritt, Kennard, Shearer) Ithaca
Ph.D.
- Lippincott, William Leroy, B.Chem. (Cornell) 1918
Physical Chemistry, Organic Chemistry. (Briggs, Orndorff) Hornell
M.S.
- †Livant, Julius, A.B. (Cornell) 1920
Inorganic Chemistry, Physics, Geology. (Dennis, Murdock, Ries) New York City
Ph.D.
- Logan, Joseph Dandridge, A.B. (Roanoke) 1919
Pomology, Plant Pathology. (Heinicke, Whetzel) Salem, Va.
M.S.
- Long, Tudor Seymour, A.B. (Cornell) 1915
English, Philosophy. (Adams, Creighton) Ithaca
A.M.
- Lordly, Henry R., C.E. (Cornell) 1893
Experimental Engineering, Concrete Construction. (Haskell, Urquhart) Montreal, Canada
M.C.E.

- Lounsbury, Dean Elwood, B.S. in Agr. (Cornell) 1919
Physical Geography, Paleontology and Stratigraphic Geology. (von Engeln, Harris) Potter M.S.
- Lukens, Earl Gibson, A.B. (Indiana) 1917
Animal Husbandry, Biochemistry. (Maynard, Sumner) Cowgill, Mo. M.S. in Agr.
- Lundie, Arnold Ernest, B.S. in Agr. (South Africa) 1917
Economic Entomology, Pomology. (Herrick, Chandler) Idulywa, South Africa M.S. in Agr.
- Macomber, Hugh Irwin, B.S. (Cornell) 1915
Poultry Husbandry, Agricultural Chemistry, Dairy Bacteriology. (Benjamin, Rice, Stocking) Brooklyn Ph.D.
- McCord, John Lewis Earl, B.S. (Pennsylvania State) 1915
Farm Management, Animal Husbandry. (Misner, Savage) Brookville, Pa. M.S. in Agr.
- †McGrath, William Stanislaus, A.B. (Niagara) 1918
Adviser, A. A. Young. Stratford, Conn.
- MacKenzie, Hugh, A.B. (Cornell) 1916
English History, Medieval History, Modern European History. (Sweet, Burr, Becker) Millbrook Ph.D.
- McKinney, Asa Emanuel, A.B., A.M. (Indiana) 1914, 1915
Inorganic Chemistry, Physical Chemistry, Agricultural Chemistry. (Browne, Briggs, Cavanaugh) Ithaca Ph.D.
- †McNulty, Sarah Alice, A.B. (Cornell) 1920
Organic Chemistry, Sanitary Chemistry. (Orndorff, Chamot) Buffalo A.M.
- McRostie, Gordon Peter, B.S.A. (Toronto) 1912, M.S. in Agr. (Cornell) 1918
Plant Breeding, Plant Pathology, Soil Technology. (Emerson, Reddick, Bizzell) Ithaca Ph.D.
- McTaggart, Alexander, B.S.A. (Toronto) 1912, M.S. in Agr. (Cornell) 1913
Soil Technology, Physical Geography, Farm Crops. (Lyon, von Engeln, Montgomery) N.Zealand Ph.D.
- Maheux, Georges, B.A., F.E. (Laval) 1911, 1914
Economic Entomology, Systematic Entomology. (Herrick, Johannsen) Quebec, Canada M.S.
- Markley, Alton L., B.S. (Washington State) 1919
Agricultural Chemistry, Organic Chemistry. (Rice, Orndorff) Bellingham, Wash. M.S.
- Martin, Mabel Florence, B.A., (Mount Holyoke) 1918
Psychology, Mathematics, Physiology. (Titchener, McMahon, Simpson) West Springfield, Mass. Ph.D.
- Martinaglia, Giovanni, B.V.Sc. (Toronto) 1919
Veterinary Bacteriology, Pathology. (Hagan, Moore) Randfonbein, South Africa M.S.
- Marx, Milton David, A.B. (Michigan) 1919
English Drama, Elizabethan Literature. (Sampson, Adams) Detroit, Mich. A.M.
- †Mathiesen, Christian Pierre, (Norwegian School of Agriculture) 1919
Adviser, H. H. Wing. Linderud, Christiana, Norway
- Matthews, Thomas Ignatius, B.S. in E.E. (Colorado) 1919
Electrical Engineering, Heat Power Engineering. (Gray, Barnard) Denver, Colo. M.S.
- Mattli, Anthony Peter, B.S. (Cornell) 1919
French, Education. (Mason, Ogden) Ithaca A.M.
- Maury, Richmond, B.S. (Virginia) 1919
Animal Husbandry, Farm Management. (Seulke, Warren) Norfolk, Va. M.S.
- †May, Frederick Arthur, A.B. (Cornell) 1920
Experimental Physics, Theoretical Physics, Mathematical Physics. (Merritt, Kennard, McMahon) Brooklyn Ph.D.
- Meiklejohn, James Stuart, A.B. (Amherst) 1918
Logic and Metaphysics, Ethics, Psychology. (Creighton, Albee, Hammond, Thilly, Weld) Pawtucket, R. I. Ph.D.
- Mekeel, Amy Grace, A.B., A.M. (Cornell) 1910, 1919
Zoology, Botany, Entomology. (Reed, Eames, Johannsen) Trumansburg Ph.D.
- Merrill, Frederic Brettell, B.S. (Cornell) 1919
Forest Engineering, Silviculture. (Bentley, Spring) Schoharie M.F.
- Michaud, Georges, B.Litt., B.Agr. (Laval) 1915, 1919
Rural Organization, Agricultural Economics. (Sanderson, Myers) St. Alexander, Quebec, Canada M.S. in Agr.
- Middlehurst, Arthur Edward, B.Arch. (Cornell) 1919
Architectural Design, Architectural Construction. (Bosworth, Jacoby) St. Vincennes, Ind. M.Arch.
- Middleton, Gordon Kennedy, B.S. (North Carolina A. and M.) 1917
Farm Crops, Plant Physiology. (Montgomery, Curtis) Warsaw, N. C. M.S. in Agr.
- Migridichian, Vartkes, A.B. (Cornell) 1919
Physical Chemistry, Physics, Mathematics. (Briggs, Kennard, Sharpe) Rodosti, Turkey in Europe Ph.D.
- †Moller, Edward, (Norwegian Agr.) 1915
Adviser, W. W. Fisk. Thorsoherregaard, Norway
- Moody, Alden Howard, B.S. (New Hampshire) 1919
Inorganic Chemistry, Physical Chemistry, Organic Chemistry. (Dennis, Briggs, Orndorff) Concord, N. H. Ph.D.
- Moon, Charles, B.S.C.E. (West Virginia) 1910
Experimental Physics, Applied Electricity, Luminescence. (Merritt, Bedell, Gibbs) Morgantown, W. Va. Ph.D.
- Moon, Merl Perrott, A.B. (Cornell) 1915
Bacteriology, Dairy Industry, Organic Chemistry. (Stocking, Ross, Orndorff) Beaver Falls, Pa. Ph.D.
- Moore, Roy Wallace, B.S. (Cornell) 1918
Agricultural Chemistry, Physical Chemistry, Inorganic Chemistry. (Cavanaugh, Briggs, Dennis) Silver Creek Ph.D.
- Morrow, Glen Raymond, B.A. (Westminster) 1914, M.A. (Missouri) 1918
Logic and Metaphysics, Ethics, Economics. (Creighton, Albee, Hammond, Thilly, Davenport) Crane, Mo. Ph.D.
- Muenscher, Walter Conrad, A.B. (Washington State) 1914, M.A. (Nebraska) 1915
Plant Physiology, Botany (Algae), Plant Pathology. (Curtis, Schramm, Fitzpatrick) Lynden, Wash. Ph.D.
- Murphy, Helen Elizabeth, B.S. (Cornell) 1917
Limnology, Medical Entomology, Comparative Pathology and Bacteriology. (Needham, Johannsen, Goldberg) Phoenix Ph.D.

- Murrell, William Carey, B.E. (North Carolina State) 1919
Electrical Engineering, Industrial Engineering. (Gray, Kimball) Wilmington, N. C.
M.S.
- Myers, Charles Emory, B.S. (Pennsylvania State) 1908, M.S. in Agr. (Cornell) 1911
Plant Breeding, Botany, Plant Pathology. State College, Pa.
Ph.D.
- Naeter, Albrecht, B.S. in E.E. (Texas) 1917
Electrical Engineering, Refrigeration. (Gray, Diederichs, Upton) New Baden, Texas
M.S.
- Nash, Thomas Palmer, A.B., M.A. (North Carolina) 1910, 1911
Physiological Chemistry, Histology and Embryology, Physiology. Elizabeth, N. C.
Ph.D.
- Nelson, John Herbert, A.B. (Wofford) 1918
Economics, English Literature, History. (Davenport, Adams, Hull) Philadelphia, Pa.
Ph.D.
- Neville, Homer Borst, B.S. (Cornell) 1918
Dairy Industry, Organic Chemistry. (Troy, Orndorff) Sharon Springs
M.S.
- Newhall, Allan Goodrich, B.S. (Minnesota) 1918
Plant Pathology, Plant Physiology, Physical Chemistry. (Dye, Curtis, Briggs) Minneapolis, Minn.
Ph.D.
- Newton, Norman, B.S. (Cornell) 1919
Landscape Design, Planting Design. (Davis, Curtis) Brooklyn
M.L.D.
- Nichols, Melvin L., B.Chem. (Cornell) 1918
Organic Chemistry, Physical Chemistry, Mechanical Engineering. Dayton, Ohio
Ph.D.
- Nieman, Anton Willem Fredrik (Dutch Commercial School) 1907
(South Eastern Agr.) 1910 (Zurich) 1920
Economic Entomology, Plant Pathology, Insect Morphology. The Hague, Holland
Ph.D.
- Noble, Clarence Vernon, B.S. (Cornell) 1916
Farm Management, Economics, Animal Husbandry. Ithaca
Ph.D.
- †Noda, Seichiro, M. of Eng. (Kioto Imperial) 1908
Honorary Fellow. Kioto, Japan
- Noll, Charles F., B.S. (Tenn. State) 1906, M.S. in Agr. (Cornell) 1911
Plant Breeding, Botany, Farm Crops. (Love, Massey, Wiggans) State College, Pa.
Ph.D.
- Norris, Leo Chandler, B.S. (Cornell) 1920
Animal Husbandry, Farm Management. (Maynard, Livermore) Hornell
M.S. in Agr.
- Northrop, Burdette Kibbe, M.E. (Cornell) 1918
Radio Engineering, Mathematics. (Ballard, Owens) Tarpon Springs, Fla.
M.M.E.
- Northrop, Paul A., B.S. (John B. Stetson) 1916
Experimental Physics, Theoretical Physics. (Gibbs, Murdock) Tarpon Springs, Fla.
A.M.
- Norton, Lawrence Joseph, B.S. (Cornell) 1917
Farm Management, Economic Theory, Rural Economy. Middle Granville
Ph.D.
- Nover, Barnet, B.A. (Cornell) 1919
Modern European History, American History. (Becker, Hull) New York City
A.M.
- O'Neill, Joseph, B.A. (Queen's) 1916
Plant Pathology, Plant Physiology, Entomology. (Massey, Curtis, Herrick) Lindsay, Ontario, Canada
Ph.D.
- Palmer, Ralph Gorman, B.S. (Cornell) 1919
Plant Pathology, Entomology, Physical Chemistry. (Whetzel, Herrick, Briggs) Oil City, Pa.
Ph.D.
- †Palmer, Walter, B.S. (Cornell) 1919
Adviser, A. J. Eames. Mansfield, Mass.
- Papish, Jacob, B.S. (Valparaiso) 1910, A.M. (Indiana) 1917
Inorganic Chemistry, Analytical Chemistry, Economic Geology. Ithaca
Ph.D.
- Pei, I. Hsiang, A.T.E.C. (Tangchan Engineering) 1917
Railroad and Highway Engineering, Sanitary Engineering. Anhui, China
M.C.E.
- Pendleton, Claude M., C.E. (Cornell) 1918
Hydraulics, Bridge Engineering. (Schoder, Burrows) Port Dickinson
M.C.E.
- Pepin, Auguste, B.A., B.S.A. (Laval) 1916, 1918
Soil Technology, Rural Engineering. (Bizzell, Lyon, Robb) St. Jean Deschailions, Que., Canada
M.S. in Agr.
- Perry, Frank R., B.S. (Cornell) 1916
Plant Pathology, Entomology, Plant Breeding. (Whetzel, Herrick, Hutchison) Churchville
Ph.D.
- Perry, Raymond A., B.S. (Cornell) 1918
Dairy Industry, Organic Chemistry, Biochemistry. (Stocking, Orndorff, Sumner) Dundee
Ph.D.
- Peterson, Guy, B.S. (Iowa State) 1918
Farm Management, Economics. (Warren, Davenport) Cherokee, Iowa
M.S. in Agr.
- Phillips, Harry Ashton, A.B., B.S. in Education (Missouri) 1908, A.M. (Cornell) 1919
Pomology, Rural Education, Meteorology. Warrensburg, Mo.
Ph.D.
- Phillips, Laverne Samuel, B.S. (Cornell) 1916
Farm Management, Soil Technology, Farm Crops. Ithaca
Ph.D.
- †Pierce, James Dwight, D.V.M. (Chicago Veterinary) 1918
Adviser, V. A. Moore. Springfield, Mass.
- Pierce, William Marion, A.B. (Cornell) 1918
Experimental Physics, Theoretical Physics. (Murdock, Gibbs) Dunkirk
M.S.
- Pittman, Ernest Edgar, B.S. in Agr. (Kentucky) 1915
Dairy Industry, Bacteriology, and Pathology, Organic Chemistry. Mayfield
Ph.D.
- Pollard, Frank Howell, B.Chem. (Cornell) 1916
Organic Chemistry, Physical Chemistry, Inorganic Chemistry. Auburn
Ph.D.

- Porter, Joseph Pullman, B.S., M.L.D. (Cornell) 1917, 1919 Ithaca
Landscape Engineering, Floriculture. (Davis, Lumsden) M.S.
- Potts, Abbie Findlay, A.B. (Cornell) 1906, A.M. (Radcliffe) 1914 Troy
English Literature, Old English, Greek. (Cooper, Monroe, Bristol) Ph.D.
- Pratt, Harold A., B.S. (Massachusetts Agr.) 1917 Shrewsbury, Mass.
Floriculture, Plant Breeding. (White, Fraser) M.D.
- Priestley, Marion Randolph, B.S. (Cornell) 1919 Ithaca
Animal Husbandry, Veterinary Physiology. (Maynard, Hagan) M.S.
- †Purdy, Alvin Canfield, A.B. (Cornell) 1920 Middletown
Physical Chemistry, Organic Chemistry, Engineering. (Briggs, Orndorff, Sawdon) Ph.D.
- Purdy, Dorman Steele, B.S. (Cornell) 1916 Ithaca
Biology, Limnology, Systematic Vertebrate Zoology. (Embody, Needham, Wright) Ph.D.
- †Queiroz, Edwardo Ribeiro, Veterinarian (Brazil Espanola Veterinarian) 1918
Adviser, J. N. Frost. Santarem-Para, Brazil
- Randolph, Lowell Fitz, Ph.B. (Alfred) 1916 Alfred
Botany, Zoology, Plant Breeding. (Sharp, Reed, Emerson) Ph.D.
- Rane, Fannie Coolbaugh, B.A. (Wellesley) 1918 Waban, Mass.
Botany, Zoology. (Sharp, Reed) A.M.
- Reaman, George Elmore, B.A., M.A. (Toronto) 1911, 1913, B.Ped. (Queen's) 1917
Education, Rural Education, Rural Economy. Woodstock, Ont., Canada
- Reed, Robert R., B.S. (Washington and Jefferson) 1889 Washington, Pa.
Heat, Micro-Photography of Steel. (Bidwell, Rodgers) M.S.
- Rees, (Mrs.) Juliette Norma, B.S. (Oregon State Agr.) 1918 Portland, Ore.
Plant Histology, Plant Pathology (Eames, Whetzel, Fitzpatrick) M.S.
- †Richards, Dorrice Anwyl, A.B. (Cornell) 1920 Ithaca
English Literature, Philosophy. (Broughton, Thilly) A.M.
- †Richmond, Donald Everett, A.B. (Cornell) 1920 Great Barrington, Mass.
Experimental Physics, Mathematics, Theoretical Physics. Ph.D.
- (Merritt, Hurwitz, Kennard)
- Righter, Floyd Lester, A.B. (Leland Stanford) 1917 South Pasadena, Cal.
Organic Chemistry, Physical Chemistry, Heat and Power Engineering. Ph.D.
- (Orndorff, Briggs, Smith)
- Riley, Edgar Heisler, A.B. (Cornell) 1915 Wilmington, Del.
English Literature, Old English, Medieval History. (Cooper, Monroe, Burr) Ph.D.
- Robinson, Ernest Guy, B.S. (Cornell) 1920 Moore, Montana
Economic Geology, Paleontology. (Ries, Harris) M.S.
- Robinson, Marvin Bert, B.S. (Cornell) 1919 Walton
Dairy Industry, Animal Husbandry. (Stocking, Wing) M.S. in Agr.
- †Rocha da Rosa, Antonio, E.A. (Rio Grande de S. Brazil) 1919 Pelobas, Brazil
- Adviser, W. A. Stocking.
- Ross, Morris B., B.S. (Cornell) 1920 New York City
Agricultural Chemistry, Dairy Bacteriology, Biochemistry. Ph.D.
- (Cavanaugh, Stocking, Sumner)
- †Rothwell, James Lee, B.S. (Cornell) 1920 Elmira
Adviser, B. B. Robb.
- Rotunda, Dominic Peter, A.B. (Cornell) 1918 Dunkirk
Spanish, French. (Keniston, Mason) A.M.
- Sanders, Gerald DeWitt, B.A., M.A. (Wofford) 1918 Pageland, S. C.
English Literature, English Language, Dramatic Structure. Ph.D.
- (Northrop, Monroe, Sampson)
- Saphir, Herbert, A.B. (Cornell) 1919 Brooklyn
Economics, Economic Theory, Mathematics. (Young, Davenport, Snyder) Ph.D.
- Sarachan, Herman Albert, B.S. in M.E. (Rochester) 1917 Rochester
Advanced Machine Design, Industrial Engineering. (Albert, Kimball) M.S.
- Sawyer, Ralph Henry, B.S. (Dartmouth) 1917 Fitchburg, Mass.
Poultry Husbandry, Farm Management. (Rice, W. I. Myers) M.S. in Agr.
- Schindler, Theresa Elizabeth, B.A. (Mount Holyoke) 1906, M.S. (Cornell) 1918 Gloversville
Floriculture, Landscape Art, Genetics. (Lumsden, Curtis, Hutchison) Ph.D.
- Schlatter, Fidel Paul, B.S. (Pennsylvania State) 1915 Tunkhannock, Pa.
Plant Pathology, Plant Physiology, Pomology. (Whetzel, Curtis, Chandler) Ph.D.
- Schmidt, August, jr., M.E. (Cornell) 1918 Ithaca
Experimental Physics, Theoretical Physics, Applied Electricity. (Richtmyer, Bedell) Ph.D.
- Schradeck, Henry Edward, B.S. (Cornell) 1916, M.S. (Illinois) 1918 Brooklyn
Agriculture, Limnology, Biochemistry. (Embody, Needham, Sumner) Ph.D.
- Schroeder, Henry Joseph, jr., B.S. (Cornell) 1920 Saugerties
Plant Pathology, Economic Entomology. (Whetzel, Herrick) A.M.
- Schwartz, Louis Harold, B.S. (Cornell) 1918 Saratoga
Animal Husbandry, Dairying. (Harper, Stocking) M.S. in Agr.
- †Scott, Douglas McKain, A.B. (Pennsylvania) 1916 Warren, Pa.
Adviser, C. H. Hull.
- †Shaw, Joseph Phippin, jr., A.B. (Cornell) 1920 Wheaton, Ill.
Finance, Accounting. (Young, English) A.M.
- Shepard, John Russell, B.Sc. Agr. (Nebraska) 1919 Lincoln, Neb.
Animal Husbandry, Farm Management. (Wing, Warren) M.S. in Agr.
- Sherburne, Arthur John, B.Chem. (Cornell) 1918 Schenectady
Inorganic Chemistry, Geology, Experimental Engineering. (Dennis, Ries, Smith) Ph.D.
- †Sherman, Horace Arthur, A.B. (Cornell) 1920 Livonia
Physics, Mathematics. (Gibbs, Hurwitz) A.M.

- Sibley, Charles Kerr, B.S. (Cornell) 1920
Limnology, Zoology, Botany. (Needham, Reed, Eames) Kingston Ph.D.
- Slingerland, Kathryn Lillis, B.A. (Smith) 1918, A.M. (Cornell) 1919
Entomology, Zoology, Embryology. (Herrick, Reed, Kingsbury) Manchester, N. H. Ph.D.
- Smiley, Edwina Maria, B.A. (Wellesley) 1916, A.M. (Cornell) 1919
Plant Pathology, Botany (Histology), Economic Entomology. Mansfield, Mass. Ph.D.
- (Whetzel, Eames, Herrick)
- Smith, Ernest Rice, A.B. (Oberlin) 1912
Paleontology, Mineralogy, Economic Geology. (Harris, Gill, Ries) Ithaca Ph.D.
- Smith, Fred Manning, A.B. (W. Virginia) 1917, B.A., M.A. (Oxford) 1917, 1919
Huntington, W. Va. English Language, Old English, Germanic Philology. (Northrop, Monroe, Andrews) Ph.D.
- Smith, George Hume, A.B. (Wabash) 1918
Plant Pathology, Plant Physiology, Physical Chemistry. (Whetzel, Curtis, Briggs) Ithaca Ph.D.
- Smith, Henry Richey, A.B. (Ohio Wesleyan) 1907
Houghton Philosophy, English. (Creighton, Albee, Thilly, Cooper) A.M.
- Smythe, Donald De Cou, B.S. (Oregon) 1919
Ithaca Economic Geology, Mineralogy and Petrography. (Ries, Gill) M.S.
- Southee, Ethelbert Ambrook, B.Sc., B.Sc. Agr. (Sydney) 1911, 1913, M.A. (Oxford) 1919
Rockdale, N. S. W., Australia Plant Breeding, Plant Pathology, Farm Crops. Ph.D.
- (Love, Whetzel, Montgomery)
- Souza, Moacyr de, (Escola Superior Agricultura e Veterinaria Medicine) 1917
Minas, Brazil Veterinary Pathology, Veterinary Bacteriology. (Goldberg, Hagan) M.S.
- Sprague, Thomas Oxnard, B.S. (California) 1919
Menlo Park, Cal. Pomology, Plant Physiology. (Heinicke, Curtis)
- Stangos, Constantine, B.S., M.E. (Robert) 1919
Constantinople, Turkey Mechanical Engineering, Industrial Engineering. (Upton, Albert) M.S.
- Stevenson, Charles Robert, B.S. (Miami) 1918
Stout, Ohio Plant Pathology, Plant Physiology, Chemistry. (Whetzel, Curtis, Dennis) Ph.D.
- Stratton, Mildred Elizabeth, B.A. (Wellesley) 1917
Bradford, Pa. Botany, Plant Pathology. (Sharp, Massey) A.M.
- Street, Lillian Frances, B.A. (Pomona) 1919
Claremont, Cal. Botany, Zoology. (Eames, Wright) A.M.
- †Strong, Carol Georgiana, A.B. (Cornell) 1920
Turin Psychology, Education. (Weld, Ogden) A.M.
- Sturges, Herbert Arthur, A.B., M.A. (Oberlin) 1904, 1905
Mansfield, Ohio Mathematics, Statistics, Economics. (McMahon, Willcox, Young) Ph.D.
- Sullivan, Alice Helen, B.A., M.A. (Colorado) 1916
Grand Junction, Col. Psychology, Education, Physiology. (Titchener, Ogden, Simpson) Ph.D.
- Sun, Kuo Feng, B.S. (Pekin University) 1916, A.M. (Cornell) 1919
Fengtien, China Applied Electricity, Electrical Engineering, Physics. (Bedell, Karapetoff, Merritt) Ph.D.
- Sweeney, Samuel Chadwick, B.S. (Cornell) 1918
Hartsdale Silviculture, Forest Management. (Spring, Recknagel) M.F.
- Takaki, Sadaji, A.B. (Tokio Imperial) 1918
Osaka, Japan Experimental Psychology, Mathematics, Education. (Titchener, McMahon, Ogden) Ph.D.
- Talbott, James, B.S. (Illinois) 1919
Sterling, Ill. Farm Crops, Plant Physiology. (Montgomery, Curtis) M.S.
- de Tamble, Paul Allen, B.S. (Cornell) 1919
Newburgh Landscape Design, Planting Material. (Montillon, Curtis) M.L.D.
- †Taylor, Lucy, A.B. (Washington Univ., St. Louis) 1919
St. Louis, Mo. Adviser, D. English.
- Ten Eick, Charles Watson, B.S. (Cornell) 1920
New York City Forest Administration, Forest Utilization. (Hosmer, Recknagel) M.F.
- Tennant, John Leslie, B.S.A. (Toronto) 1913
Summerside, P. E. I., Canada Rural Education, Rural Economy. (Works, Lauman) M.S. in Agr.
- Thompson, John Graham, B.Chem. (Cornell) 1915
Eau Claire, Wis. Physical Chemistry, Analytical Chemistry, Sanitary Chemistry. Ph.D.
- (Briggs, Dennis, Chamot)
- Thompson, Sidney Attilio, B.A. (Wesleyan) 1918
Greenwich, Conn. Anatomy, Physiology. (Kerr, Simpson) A.M.
- Thorp, Katharine, B.A. (Cornell) 1919
West Roxbury, Mass. English Literature, English Language. (Adams, Monroe) A.M.
- Ting, Zung Kin, B.S.C.E. (Govt. Inst. of Technology) 1919
Kun-Shan, Kiang-su, China Railroad Engineering, Hydraulic Engineering. (Barnes, Seery) M.C.E.
- †Tonow, Paul Takuma, Nogakushi Agr. Arts and Arch. (Tohoku Imperial) 1916
New York City Adviser, E. G. Davis.
- Topham, Alfred, B.Sc. (Massachusetts Agr.) 1916
Lawrence, Mass. Poultry Husbandry, Rural Economy. (Benjamin, Lauman) M.S. in Agr.
- Toupin, Gustave, B.A., B.S.A. (Laval) 1916, 1919
St. Isidore, Laprairie, Que., Canada Animal Husbandry, Farm Management. (Maynard, Myers) M.S. in Agr.
- Truthan, Edwin Julius, B.Arch. (Cornell) 1918
Cleveland, Ohio Architectural Design, Construction. (Bosworth, Burnham, Urquhart) M.Arch.
- †Tubangui, Marcos A., D.V.M. (Philippines) 1918
Porac, Pampanga, P. I. Adviser, J. A. Moore.
- Tung, Shih, A.B. (Clark) 1919
Shanghai, China Psychology, Education. (Weld, Ogden) A.M.
- †Turner, Louis Alexander, A.B. (Cornell) 1919
Akron, Ohio Physics, Organic Chemistry. (Shearer, Orndorff) A.M.
- Tyndall, Edward P., B.A. (Richmond) 1912
Richmond, Va. Experimental Physics, Theoretical Physics, Mathematics. (Gibbs, Kennard, Sharpe) Ph.D.
- Underwood, Francis Omar, B.S. (Cornell) 1918
Ithaca Farm Crops, Plant Physiology. (Thompson, Curtis) M.S. in Agr.

- Upton, Glenn Edward, B.S. (Cornell) 1920 Pulaski
Dairy Industry, Rural Economy. (Fisk, Lauman) M.S. in Agr.
- Utterback, William Emil, A.B. (Huron) 1919 Huron, S. D.
Public Speaking, Philosophy. (Winans, Creighton) A.M.
- Valentine, Henry Woodhouse, B.S. (Trinity) 1919 Hartford, Conn.
Hydraulics, Applied Electricity. (Schoder, Bedell) M.S.
- Van Volkenberg, Horatio Luther, D.V.M., B.S. in Agr. (Cornell) 1918, 1919 Springville
Comparative Pathology, Materia Medica. (Goldberg, Milks) M.S.
- Van Winkle, Katharine, B.S. (Washington) 1918 Oakville, Wash.
Paleontology, Stratigraphy, Systematic Zoology. (Harris, von Engeln, Wright) Ph.D.
- Vickers, Gates Sterling, B.S. in Agr. (New Mexico State) 1917 State College, N. M.
Poultry Husbandry, Rural Education. (Rice, Kruse, Works) M.S. in Agr.
- Vinson, Carl George, B.S. in Agr. (Missouri) 1916 Carrollton, Mo.
Pomology, Plant Physiology. (Chandler, Curtis) A.M.
- †Vizioli, Jozé, Agronomo (Escola Agrícola Piracicaba) 1917 Sao Paulo, Brazil
Adviser, H. M. Fitzpatrick.
- Vogel, Irvin H., B.S., M.S. (Iowa State) 1916, 1917 Ithaca
Plant Pathology, Botany, Organic Chemistry. (Whetzel, Wiegand, Orndorff) Ph.D.
- Wakeman, Seth, A.B., M.A. (Hobart) 1916, 1917 Ithaca
Education, Psychology, Physiology. (Ogden, Weld, Simpson) Ph.D.
- Walter, William Howard, B.A., M.A., LL.B. (Toronto) 1915, 1917, 1918 Goderich, Canada
Rural Economy, Finance, Economic Theory. (Lauman, Young, Davenport) Ph.D.
- Ware, Jacob Osborn, B.S., M.S. (North Carolina A. and M.) 1916 West Raleigh, N. C.
Farm Crops, Plant Breeding, Plant Physiology. Ph.D.
- (Wiggins, Montgomery, Hutchison, Knudson, Curtis)
- ††Warne, Colston Estey, A.B. (Cornell) 1920 Ithaca
Finance, Accounting. (Young, English) A.M.
- Warren, William D., B.S. (Cornell) 1920 Rochester
Agricultural Chemistry, Dairy Industry. (Cavanaugh, Guthrie) M.S.
- Webster, Robert Lorenzo, A.B. (Illinois) 1908 Kensington, Md.
Economic Entomology, Plant Physiology, Organic Chemistry. Ph.D.
- (Herrick, Curtis, Orndorff)
- Weeks, Lewis George, B.A. (Wisconsin) 1917 Chilton, Wis.
Mineralogy and Petrography, Stratigraphy. (Gill, Harris) M.S.
- Wehrle, Lawrence Paul, B.S. (Kansas State Agr.) 1914 Scranton, Kansas
Economic Entomology, Insect Ecology, Systematic Entomology. Ph.D.
- (Herrick, Needham, Johannsen)
- ††Weingast, Joseph, B. Chem. (Columbia) 1920 Brooklyn
Organic Chemistry, Inorganic Chemistry, Optico-Chemical Methods. Ph.D.
- (Orndorff, Brown, Chamot)
- Westphal, Milton, A.B. (Cornell) 1919 Buffalo
Semitic Languages and Literatures, Philosophy. (Schmidt, Creighton) A.M.
- Whitchurch, Anna Kellman, A.B. (Lawrence) 1916, A.M. (Northwestern) 1917 Evanston, Ill.
Psychology, Philosophy, Elizabethan English. (Titchener, Creighton, Adams) Ph.D.
- Whitchurch, Irl Goldwin, B.A., A.M. (Northwestern) 1916, 1917 Evanston, Ill.
Logic and Metaphysics, Ethics, Greek Philosophy. Ph.D.
- (Creighton, Albee, Thilly, Hammond)
- White, Richard Peregrine, B.S. (Dartmouth) 1918 North Acton, Mass.
Plant Pathology, Plant Physiology, Physical Chemistry. Ph.D.
- (Whetzel, Knudson, Curtis, Briggs)
- Whiting, William Alonzo, B.S. (Allegheny) 1914 Meadville, Pa.
Dairy Bacteriology, Organic Chemistry, Biochemistry. (Stocking, Orndorff, Sumner) Ph.D.
- Wichelns, Herbert August, A.B. (Cornell) 1916 Brooklyn
English, Old English, Philosophy. (Cooper, Monroe, Creighton) Ph.D.
- Wiedorn, William, B.S. (Cornell) 1919 Ithaca
Landscape Design, Plant Materials. (Davis, Curtiss) M.L.D.
- Williams, Ruth Gladys, B.A. (Pomona) 1919 La Verne, Cal.
Botany, Zoology. (Eames, Wright) A.M.
- ††Willison, Dorothy, A.B. (Cornell) 1920 Huntington, W. Va.
Organic Chemistry, Agricultural Chemistry. (Orndorff, Rice) M.S.
- Wilson, Carl Lewis, A.B. (Denver) 1919 Lorain, Ohio
Botany, Plant Pathology, Entomology. (Eames, Whetzel, Needham) Ph.D.
- Wilson, Donald Bower, B.S. (Cornell) 1920 Chrome
Farm Management, Farm Crops. (Myers, Hardenburg) M.S. in Agr.
- Winters, Nathaniel Elmer, B.S. (Oklahoma) 1911, M.S. (Texas A. and M.) 1918 Charlotte, N. C.
Soils, Farm Management, Chemical Microscopy. (Wilson, Livermore, Chamot) Ph.D.
- Wolfe, Thomas Kennerly, B.S. in Agr., M.S. (Virginia Polytechnic) 1914, 1915 Blacksburg, Va.
Plant Breeding, Plant Physiology, Soils. (Love, Curtis, Bizzell, Lyon) Ph.D.
- Work, Eunice, B.A. (Tarkio) 1917, A.M. (Cornell) 1919 Tarkio, Mo.
Latin, Greek, History. (Bennett, Bristol, Schmidt) Ph.D.
- Wright, Chilton A., C.E. (Cornell) 1919 New Rochelle
Experimental Hydraulics, Hydraulic Engineering. (Schoder, Seery) M.C.E.
- Wright, Ivan, B.A. (Iowa Teachers) 1913, B.S., M.S. (Michigan Agr.) 1917, 1918 Lawford, W. Va.
Rural Economy, Economics and Finance, Economic Theory. Ph.D.
- (Lauman, Young, Davenport)
- Wright, Mary Evalena, B.S. (Cornell) 1914 Ithaca
Bacteriology, Chemical Microscopy, Agricultural Chemistry. Ph.D.
- (Moore, Chamot, Cavanaugh)
- Yeaton, Ruth Agnes, B.A. (Mount Holyoke) 1913 Portsmouth, N. H.
Physics, Chemistry. (Merritt, Briggs) A.M.

- Yeh, Chia Tsun, B.Sc., C.E. (Govt. Inst. of Technology) 1916 Shanghai, China
 Highway Engineering, Landscape Art. (Conwell, Davis) M.C.E.
- †Yen, Hoong Kwie, B.C.E. (Pekin Govt.) 1916, M.C.E. (Cornell) 1919 Anhui, China
 Adviser, F. J. Seery.
- Yeomans, Mabel Ford, A.B. (Cornell) 1907 Oxford
 Argumentation, American History. (Winans, Orth, Hull) A.M.
- Yogloglou, Constantine P., B.S. in M.E. (Robert) 1919 Constantinople, Turkey
 Experimental Engineering, Engineering Design. (Upton, McDermott) M.M.E.
- †Yoneyama, Yutaka, Nogakushi (Sappora Imperial Agr.) 1905 Shidzuoka, Japan
 Adviser, G. F. Warren.
- Young, Ernest Charles, B.S. (Grove City) 1914 Ithaca
 Farm Management, Animal Husbandry, Political Economy. Ph.D.
- Young, Harry Pestane, B.S. (Pennsylvania State) 1913 Ithaca
 Farm Management, Economics, Animal Husbandry. (Warren, Davenport, Savage) Ph.D.
 (Warren, Savage, Young)
- Zeuch, William Edward, A.B. (Lenox) 1915, A.M. (Clark) 1915 Hopkinton, Iowa
 Social Science, Economic Theory, Economic History. (Willcox, Davenport, Usher) Ph.D.
- Zigler, Michael Jacob, A.B. (Bridgewater) 1916, A.M. (Clark) 1917 Broadway, Va.
 Psychology, Education, Physiology. (Titchener, Ogden, Simpson) Ph.D.

STUDENTS REGISTERED FOR GRADUATE WORK DURING THE
SUMMER OF 1919

- Alden, Rose, A.B. (Mount Holyoke) 1901,
English Literature, English Language (Adams, Monroe) Newark, N. J.
A.M.
- Allen, Howard Bushnell, B.S. (Cornell) 1914,
Rural Education, Farm Management (Lusk, Livermore) Hamburg
M.S.
- Allerton, Olive May, A.B. (Syracuse) 1917,
Geography, Education (von Engeln, Ogden) Penn Yan
A.M.
- Anderson, Juliette Norma, B.S. (Oregon State) 1918,
Plant Pathology, Mycology, Cytology (Whetzel, Fitzpatrick, Sharp) Portland, Ore.
Ph.D.
- Andrews, William Alexander, A.B. (Cornell) 1917,
Education, Psychology (Ogden, Weld) Huntington
A.M.
- App, Frank, B.S. (Pennsylvania State) 1911,
Farm Management, Plant Physiology, Farm Crops New Brunswick, N. J.
Ph.D.
- (Warren, Misner, Knudson, Montgomery)
- Baird, William Jesse, B.S. in Agr. (Berea) 1915,
Rural Education, Farm Management (Works, Misner) Berea, Ky.
M.S. in Agr.
- Bason, George Francis, M.E. (Cornell) 1916,
Electrical Engineering, Mathematics (Gray, Mrs. Owens) Ithaca
M.M.E.
- Beziat, Kate Bradley (Mrs.), A.B. (Vassar) 1892,
French, Spanish (Mason, Keniston) Spencer
A.M.
- Blauvelt, Livingston, A.B. (Yale) 1917,
Poultry Husbandry, Animal Husbandry (Rice, Savage) Ithaca
M.S.
- Bleiman, Gladys K., A.B. (Cornell) 1919,
Philosophy, Ethics (Creighton, Thilly) New York City
A.M.
- Boies, Grace Griffith, A.B. (Parsons) 1910,
English Literature, American Literature (Adams, Broughton) Birmingham, Iowa
A.M.
- Bowman, Florence A., B.S. (Elmira) 1919,
Entomology, Zoology (Needham, Reed) Dryden
M.S.
- †Braham, Olive Fern, A.B. (Westminster) 1911,
Adviser, J. Q. Adams. Harrisville, Pa.
- Bullock, Benjamin Franklin, B.S. in Agr. (Minnesota) 1913,
Rural Education, Rural Organization (Works, Sanderson) Tallahassee, Fla.
M.S. in Agr.
- Buyis, John Levenus, B.S. (Cornell) 1919,
Systematic Entomology, Economic Entomology, Pathology and Bacteriology Sodus Point
Ph.D.
- (Bradley, Matheson, Moore)
- †Caldas, Octavio Brandao, (Escola Superior Agriculture) 1917,
Adviser, O. A. Johannsen. Rio, Brazil
- Card, Leslie Ellsworth, B.S. (Cornell) 1914
Poultry Husbandry, Farm Management, Animal Husbandry (Rice, Warren, Savage) Sylvania, Pa.
Ph.D.
- Carlson, Fred Albert, B.S. (Massachusetts Agr.) 1918,
Soil Technology, Geology, Farm Crops (Bizzell, Ries, von Engeln, Montgomery) Pittsfield, Mass.
Ph.D.
- Carter, Miriam C., A.B. (Mount Holyoke) 1912,
Victorian Literature, English History (Northup, Sweet) Boonton, N. J.
A.M.
- Cavanaugh, Paul James, A.B. (Cornell) 1917,
Psychology, English Philology, Physiology (Titchener, Strunk, Simpson) Ithaca
Ph.D.
- Chamberlain, Walter Edwin, B.S. (New Hampshire State) 1916,
Rural Education, Rural Organization (Works, Sanderson) Waynesburg, Pa.
M.S. in Agr.
- Chen, Che Kwei, A.B. 1918,
Statistics, Economics and Finance (Willcox, Davenport) Pekin, China
A.M.
- †Cintra, Luiz de Cerqueira, Agronomo (Escola Agricola Piracicabo) 1917, S. Paulo, 1916,
Adviser O. A. Johannsen. Sao Paulo, Brazil.
- Cookingham, Waldo Beale, B.S. (Cornell) 1916,
Rural Education, Farm Management (Works, Kruse, Warren) Ellenville
M.S. in Agr.
- Cornwell, Ralph T. K., B.Chem. (Cornell) 1918,
Organic Chemistry, Physical Chemistry, Chemical Microscopy Northumberland, Pa.
Ph.D.
- (Orndorff, Briggs, Chamot)
- Coville, Perkins, B.S. (Cornell) 1918,
Silviculture, Forest Protection (Spring, Hosmer) Ithaca
M.F.
- Cripps, Gladys Marie, A.B. (Barnard) 1918,
English Literature, 19th Century, French (Northup, Mason) Pleasantville
A.M.
- Darst, Williard Holden, B.S. (Ohio State) 1910,
Farm Crops, Botany (Montgomery, Knudson) Covington, Ohio
M.S. in Agr.
- Davis, Charles Louis, B.S. (Tennessee) 1905, M.S. (Wisconsin) 1912,
Rural Education, Farm Management (Works, Misner) Austin, Texas
M.S.
- Detwiler, John D., B.A., M.A., (Queens) 1912, 1913,
Economic Entomology, Morphological Entomology, Zoology (Herrick, Johannsen, Reed) Kitchener, Ont., Canada
Ph.D.
- †Doane, Harold Seeley, B.S. (Cornell) 1915,
Adviser, W. F. Lusk. Pittsford
- Donohue, Eleanor, A.B. (Hunter) 1909,
Victorian Literature, Old English (Northup, Monroe) Great Barrington, Mass.
A.M.
- Driscoll, Mary Agatha, A.B. (Radcliffe) 1904,
English Literature, American Literature (Adams, Broughton) Lawrence, Mass.
A.M.
- Dunlap, Vining Campbell, A.B. (Bates) 1914, A.M. (Cornell) 1916,
Botany (Mycology), Botany (Ecology), Zoology (Systematic) (Rowlee, Wright) Bowdoinham, Me.
Ph.D.
- Eason, Thomas D., B.S. (Clemson Agr.) 1907,
Agricultural Education, Horticulture (Works, Heinicke) Richmond, Va.
M.S. in Agr.

- Eberhardt, Rose, A.B. (Hunter) 1918,
American History, Government (Bretz, Gettell, Orth) New York City
A.M.
- Edwards, Margaret M., B.S. (Montana State) 1912,
Rural Education, Agricultural Chemistry (Works, Cross) Jacksonville, Fla.
M.S.
- Ettinger, Walter O., B.S. (Muhlenberg) 1915,
Zoology, Entomology (Reed, Needham) Hazleton, Pa.
M.S.
- Evans, Mary Hart, B.A. (Tennessee) 1917,
Botany, Plant Pathology (Wiegand, Whetzel, Massey) Knoxville, Tenn.
A.M.
- Everitt, John Samuel, B.S. (Cornell) 1917,
Forest Management, Forest Protection (Recknagel, Hosmer) Sayre, Pa.
M.F.
- Eyster, Lewis A., A.B. (Bucknell) 1917,
Plant Breeding, Systematic Botany (Hutchison, Wiegand) Fishers Ferry, Pa.
A.M.
- †Eyster, William Henry, A.B., A.M. (Bucknell) 1914,
Plant Breeding, Plant Histology, Systematic Botany
(Emerson, Eames, Rowlee, Dr. Stoneman) Fishers Ferry, Pa.
A.M.
- Fawcett, Walter Baker, B.S. (Hamilton) 1911,
Experimental Physics, Theoretical Physics (Gibbs, Murdock) Ridgewood, N. J.
A.M.
- Fife, Ray, B.S. (Ohio Northern) 1909,
Rural Education, Rural Organization (Works, Sanderson) Columbus, Ohio
M.S. in Agr.
- Finck, Margaret, A.B. (Vassar) 1917,
Psychology, Education (Weld, Ogden) New Market, Va.
A.M.
- †Finernan, John Leo, B.S. (Cornell) 1918,
Adviser, W. F. Lusk. North White Lake
- Flather, Alice Virginia, A.B. (Cornell) 1917,
Chemical Microscopy, Pastoral Literature (Chamot, Broughton) Nashua, N. H.
A.M.
- Folsom, Dorothy Louise, A.B. (Maine) 1918,
French, German (Mason, Pope) Norridgework, Me.
A.M.
- Frost, Walter Sprague, B.S. (Tufts) 1912
Inorganic Chemistry, Agricultural Chemistry (Browne, Bizzell, Cross) Ithaca
Ph.D.
- Gagne, Charles, B.A. (Laval) 1916, L.B. (Sainte Anne de la Pocatiere) 1919,
Rural Economy, Farm Management (Lauman, Warren) Saint Gillis, Can.
M.S. in Agr.
- Gaiss, Aloysius Joseph, Ph.B. (Alfred) 1918,
German, French (Pope, Mason) Corning
A.M.
- Gentry, Charles Burt, S.B. in Ed. (Chicago) 1912,
Rural Education, Farm Management (Lusk, Stewart, Warren) Springfield, Mo.
M.S. in Agr.
- Georgia, Frederick Raymond, B.Chem. (Cornell) 1915,
Sanitary Chemistry, Agricultural Chemistry (Chamot, Cavanaugh, Moore) Ithaca
Ph.D.
- Gillett, Roy Lewis, B.S. (Cornell) 1917,
Farm Management, Economics, Soils (Livermore, Warren, Davenport, Bizzell) Colden
Ph.D.
- Gillis, Merl Conrad, B.S. in Agr. (Purdue) 1917,
Plant Breeding, Soil Technology (Bussell, Bizzell) South Bend, Ind.
M.S. in Agr.
- Goldbaum, Jesse Morris, A.B. (Cornell) 1919,
American History, Economics and Finance (Hull, English) Brooklyn
A.M.
- Gow, Grace Marie, A.B. (Upsala) 1917,
Biology, Rural Education (Needham, Works) Kenilworth, N. J.
M.S.
- Graham, Vi Arvin, B.A., A.M. (Cornell) 1917, 1918,
Analytical Chemistry, Biochemistry (Browne, Sumner) Richmond, Va.
M.S.
- Graybrook, Irene, A.B. (Indiana) 1915,
Plant Physiology, Botany, Plant Pathology (Knudson, Wiegand, Whetzel, Massey) New Albany, Ind.
Ph.D.
- Grimm, Jay John, B.S. (Grinnell) 1910,
Plant Physiology, Plant Pathology, Agricultural Chemistry (Knudson, Whetzel, Cross) Gainesville, Fla.
Ph.D.
- Griswold, Grace H., B.S. (Cornell) 1918,
Landscape Art, Economic Entomology (Curtis, Herrick) Grand Rapids, Mich.
M.S.
- Guilbeau, Preston Lewis, B.S. (Louisiana State) 1891, Law (Tulane) 1892,
Rural Education, Pomology (Works, Chandler) Baton Rouge, La.
M.S. in Agr.
- Gutchess, Sara Adelaide, A.B. (Michigan) 1909,
English, Philosophy (Monroe, Creighton) Bridgeport, Conn.
A.M.
- Hafer, Edna Newman, A.B. (Wilson) 1911,
Botany, Plant Pathology (Eames, Whetzel, Massey) Chambersburg, Pa.
A.M.
- †Hendee, Daniel Kelley, B.S. (Cornell) 1919,
Adviser, R. S. Hosmer. Hornell
- Henderson, Lena Bondurant, B.S. (Tennessee) 1908,
Botany, Plant Pathology, Entomology (Wiegand, Whetzel, Massey, Needham) Knoxville, Tenn.
Ph.D.
- Hendrickson, Arthur Howard, B.S. (Michigan Agr.) 1913,
Pomology, Plant Physiology (Chandler, Curtis) Grand Rapids, Mich.
M.S.
- Herrick, Millie B., A.B. (Elmira) 1894,
American Literature, Education (Bailey, Ogden) Binghamton
A.M.
- Hess, Walter Norton, A.B. (Oberlin) 1913, A.M. (Cornell) 1916,
Insect Morphology, Economic Entomology, Zoology
(Needham, Johannsen, Herrick, Matheson, Reed) Great Valley
Ph.D.
- Hettich, Ernest Leopold, A.B. (Cornell) 1919,
American History, Ancient History (Hull, Schmidt) Ridgefield Park, N. J.
A.M.
- Hieber, Evelyn, A.B. (Cornell) 1918,
Analytical Chemistry, Physical Chemistry (Dennis, Briggs) Utica
A.M.
- Hoel, Archie Bernhard, B.A. (Montana) 1916,
Physical Chemistry, Quantitative Chemistry, Geology (Briggs, Browne, Ries) Spring Valley, Wis.
Ph.D.
- Hoisington, Louis Benjamin, B.A. (Oregon) 1915,
Psychology, Educational Psychology, Physiology (Titchener, Ogden, Simpson) Ithaca
Ph.D.

- Hook, Alonzo Lohr, A.B. (Elon) 1913, Experimental Physics, Theoretical Physics (Merritt, Murdock) Elon College, N. C.
M.S.
- Hopkins, Edwin Fraser, B.S. (Cornell) 1915, Plant Pathology, Plant Physiology, Physical Chemistry Buffalo
Ph.D.
- (Whetzel, Knudson, Curtis, Briggs).
- Hoskins, Edwin Raymond, B.S. (Cornell) 1919, Rural Education, Farm Management (Works, Myers) Merrifield
M.S. in Agr.
- †Hover, John Milton, A.B. (Michigan State Normal) 1910, B.S. (Chicago) 1919, Ypsilanti, Mich.
Adviser, R. A. Emerson.
- †Howard, Lucy Mary, A.B. (Cornell) 1916, Fulton
Adviser, R. C. Gibbs.
- Iddles, Harold Augustus, B.S. (Michigan Agr.) 1918, South Haven, Mich.
Organic Chemistry, Inorganic Chemistry (Orndorff, Browne)
M.S.
- Jensen, Ward Charles, B.S. (California) 1917, Omaha, Neb.
Farm Crops, Botany (Montgomery, Knudson, Curtis)
M.S. in Agr.
- †Kawamata, Takashi, B.S. (Wasoda) 1917, New York City
Adviser, Vladimir Karapetoff.
- Kehr, Marguerite Witmer, B.A. (Tennessee) 1911, M.A. (Wellesley) 1914, Knoxville, Tenn.
Education, Philosophy, Psychology (Ogden, Creighton, Weld)
Ph.D.
- Kennedy, James Arthur, A.B. (Cornell) 1917, Ithaca
Sanitary Chemistry, Analytical Chemistry (Chamot, Cavanaugh)
A.M.
- Kniker, Hedwig T., B.A., M.A. (Texas) 1916, 1917, Austin, Texas.
Geology, Stratigraphic Geology, Zoology (Harris, von Engeln, Reed)
Ph.D.
- Knoepfle, Frieda Barbara, B.A. (Greenville) 1915, Ridgway, Pa.
Latin, German (Durham, Pope)
A.M.
- Koch, Catharine Elizabeth, B.S. (Michigan Agr.) 1909, A.M., M.L.D. (Cornell) 1915, 1919, Warsaw
Floriculture, Landscape Art, Limnology (White, Curtis, Needham)
Ph.D.
- Koller, Lewis Richard, A.B. (Cornell) 1917, New York City
Experimental Physics, Theoretical Physics, Physical Chemistry
Ph.D.
- (Richtmyer, Bedell, Briggs)
- Koo, Nee Sun, B.S. in C.E. (Gov't Inst. of Tech.) 1918, M.C.E. (Cornell) 1919, Shanghai, China
Bridge Engineering, Railroad Engineering, Engineering Mechanics
Ph.D.
- (Jacoby, Barnes, George)
- Lathrop, Frank Waldo, B.A. (Yale) 1911, M.S. in Agr. (Cornell) 1914, New London, Conn.
Rural Education, Farm Management, Rural Economy (Works, Warren, Lauman)
Ph.D.
- Lathrop, Mary Alinda, Ph.B. (Cornell) 1896, Montclair, N. J.
French Literature, French Philology (Mason, Becker)
A.M.
- †Lee, Charles Oren, B.Sc. (Kansas) 1913, M.S. (Chicago) 1917, West Lafayette, Ind.
Adviser, E. M. Chamot.
- Lowry, Walter Nye, B.S. (Pennsylvania State) 1916, Dewart, Pa.
Rural Education, Farm Management (Works, Misner)
M.S. in Agr.
- Lurio, Mitchell Stokes, A.B. (Cornell) 1918, Brooklyn
Applied Mathematics, Pure Mathematics (Owens, Hurwitz)
A.M.
- McCorkle, Paul, B.A. (Ohio State) 1914, Ithaca
Physics, Mathematics (Merritt, Gillespie)
M.S.
- McRostie, Gordon Peter, B.S.A. (Toronto) 1912, M.S. in Agr. (Cornell) 1918, Ithaca
Plant Breeding, Plant Pathology, Soil Technology (Emerson, Reddick, Bizzell)
Ph.D.
- Mank, Helen Gardner, A.B. (Mount Holyoke) 1909, Lawrence, Mass.
Entomology, Plant Physiology (Needham, Knudson)
A.M.
- Meacham, Edna L., A.B. (Bucknell) 1919, Reading, Pa.
Experimental Physics, Theoretical Physics (Gibbs, Murdock)
A.M.
- †Merrill, Ray March, A.B. (Williams) 1905, A.M. (California) 1909, Vermillion, S. D.
Adviser, J. F. Mason.
- Merriman, Paul R., A.B. (Miami) 1903, Rochester
Botany, Limnology (Wiegand, Needham)
M.S.
- Mertz, Pierre, A.B. (Cornell) 1918, Jamaica
Experimental Physics, Theoretical Physics, Applied Electricity
Ph.D.
- (Richtmyer, Nichols, Bedell)
- Metzner, Sara Elizabeth, B.A. (Wellesley) 1916, Wheeling, W. Va.
English Literature, Philosophy (Adams, Creighton)
A.M.
- Middleton, Gordon Kennedy, B.S. (North Carolina) 1917, Warsaw, N. C.
Farm Crops, Plant Physiology (Montgomery, Curtis)
M.S. in Agr.
- Mintzer, Claude C., B.Sc. (Iowa State) 1916, Neligh, Neb.
Rural Education, Rural Sociology (Works, Sanderson)
M.S.
- Mogill, Edmund Charles, B.S. (Kansas State Agr.) 1912, Blacksburg, Va.
Rural Education, Farm Management (Works, Misner)
M.S.
- Montgomery, Lois Elizabeth, A.B. (Elmira) 1918, Warsaw
English Literature, English Language (Northup, Monroe)
A.M.
- Murphy, Helen Elizabeth, B.S. (Cornell) 1917, Phoenix
Limnology, Medical Entomology, Comparative Pathology and Bacteriology
Ph.D.
- (Needham, Johannsen, Moore)
- Napier, Frances E., B.A. (Adelphia) 1906, Montclair, N. J.
Literary Criticism, Philosophy (Adams, Creighton)
A.M.
- Nichols, Melvin L., B.Chem. (Cornell) 1918, Dayton, Ohio
Organic Chemistry, Physical Chemistry, Mechanical Engineering
Ph.D.
- (Orndorff, Briggs, Smith)
- Norton, Laurence Joseph, B.S. (Cornell) 1917, Middle Granville
Farm Management, Economic Theory, Rural Education
Ph.D.
- (Warren, Davenport, Works, Lauman)

- Olney, Roy A., B.S. (Cornell) 1915, Trumansburg
Rural Education, Farm Management (Works, Livermore, Misner) M.S.
- Parkinson, Harry Glenn, A.B. (Waynesburg) 1911, B.S. in Agr. (Illinois) 1913, Dennis Station, Pa.
Rural Education, Farm Management (Works, Misner) M.S.
- Parmenter, Ralph Colby, A.B. (Bowdoin) 1916, Portland, Me.
Education, Geography (Ogden, von Engeln) A.M.
- †Parsons, Julius Edward, B.S. (Cornell) 1919, Sharon Springs
Adviser, W. F. Lusk.
- Pittman, Ernest Edgar, B.S. in Agr. (Kentucky) 1915, Mayfield, Ky.
Bacteriology, Pathology (Stocking, Reddick) M.S. in Agr.
- Porter, Joseph Pullman, B.S. (Cornell) 1917, New Rochelle
Landscape Design, Plant Materials (Davis, Curtis) M.L.D.
- †Querioz, Eduardo Ribeiro, (Veterinarian Brazil Es. Sp.) 1918, Santarem-Para, Brazil
Adviser, J. N. Frost.
- Randolph, Lowell Fitz, Ph.B. (Alfred) 1916, Alfred
Botany, Zoology (Sharp, Reed) A.M.
- Reaman, George Elmore, B.A., M.A. (Toronto) 1911, 1913, B.Paed. (Queen's) 1917, Woodstock, Ont., Canada
Education, Rural Education, Rural Economy. Ph.D.
- (Ogden, Works, Lauman)
- Reidy, Margaret Mary, A.B. (Cornell) 1908, Ithaca
Botany, Entomology (Wiegand, Needham) A.M.
- Robison, George Merritt, A.B., A.M. (Cornell) 1916, 1917, Cranberry Creek
Mathematical Analysis, Geometry, Physics (Hurwitz, Snyder, Nichols) Ph.D.
- Saphir, Herbert, B.A. (Cornell) 1919, Brooklyn
Geometry, Mathematical Analysis (Snyder, Hurwitz) A.M.
- Schindler, Theresa Elizabeth, B.A. (Mount Holyoke) 1906, M.S. (Cornell) 1918, Gloversville
Floriculture, Landscape Art, Genetics (Lumsden, White, Curtis, Hutchison) Ph.D.
- Schmidt, August, jr., M.E. (Cornell) 1918, Ithaca
Experimental Physics, Theoretical Physics, Applied Electricity Ph.D.
- (Richtmyer, Nichols, Bedell)
- Seder, Merlin L., B.S. in Agr. Ed. (Iowa State) 1916, Waseca, Minn.
Rural Education, Rural Sociology (Works, Sanderson) M.S.
- Sheppard, Hubert, A.B., A.M. (Oklahoma State) 1917, Lawrence, Kansas
Psychology, Anatomy, Mathematics (Titchener, Kerr, McMahon) Ph.D.
- Shimada, Koichi, B.C. (Wasoda) 1917, Philadelphia, Pa.
Economics, History (Usher, Bretz) A.M.
- Silva, George, M.E. (Cornell) 1918, Santiago, Chile
Electrical Engineering, Mathematics (Gray, Hurwitz) M.M.E.
- †deSouza, Moacyr Alves, (Escola Superior Agric. and Vet. Med. 1917), Juiz de Fora, Minas-Geraes, Brazil
Adviser, W. A. Hagan.
- Stadler, Lewis John, B.S. in Agr. (Florida) 1917, A.M. (Missouri) 1918, St. Louis, Mo.
Plant Breeding, Farm Crops, Botany (Love, Montgomery, Eames) Ph.D.
- Stafford, Ethelbert Withrow, B.S.A. (Toronto) 1909, Agricultural College, Miss.
Economic Entomology, Systematic Entomology, Parasitology (Herrick, Bradley, Hagan) Ph.D.
- Steelman, Lloyd Wesley, B.S. (Cornell) 1917, Newtown, Ohio
Animal Husbandry, Political Economy (Benjamin, Reed) M.S. in Agr.
- Stutsman, Rachel, A.B. (Missouri) 1919, Kansas City, Mo.
Experimental Psychology, Educational Psychology, Sociology Ph.D.
- (Titchener, Foster, Ogden, Willcox)
- Sun, Kuo Feng, B.S. (Government Univ. of Pekin) 1916, Fengtien, China
Applied Electricity, Engineering Mathematics (Bedell, Karapetoff) M.S.
- Thalman, Wellington Albert, A.B. (Ellsworth) 1917, Radcliffe, Iowa
Education, Psychology (Ogden, Weld) A.M.
- Thomas, Martha, B.S. (Columbia) 1916, Brownsville, Tenn.
Rural Education (Works) M.S.
- Tiffany, Ruth W., A.B. (Juanita) 1917, Huntingdon, Pa.
French, Spanish (Mason, Sturgis) A.M.
- †Titchener, John Bradford, A.B. (Clark) 1917, Ithaca
Adviser, E. P. Andrews.
- ††Tonow, Paul Takuma, Nogakushi (Tohoku Imperial) 1916, New York City
Adviser, E. G. Davis.
- Traver, Jay R., A.B. (Cornell) 1918, Willoughby, Ohio
Insect Ecology, Aquiculture (Needham, Embury) A.M.
- Van Volkenberg, Horatio Luther, D.V.M., B.S. in Agr. (Cornell) 1918, 1919, Springfield
Comparative Pathology, Materia Medica (Goldberg, Milks) M.S.
- Vinson, Carl George, B.S. in Agr. (Missouri) 1916, Carrollton, Mo.
Pomology, Plant Physiology (Chandler, Curtis) A.M.
- †Vizioli, Jozé, (Agronomo Escola Agricola Piracicabo) 1917, Sao Paulo, Brazil
Adviser, K. McK. Wiegand.
- Ware, Jacob Osborn, B.S., M.S. (North Carolina Agr. and M.) 1916, West Raleigh, N. C.
Farm Crops, Plant Breeding, Plant Physiology (Montgomery, Hutchison, Knudson) Ph.D.
- Weaver, William Jack, B.S. (Massachusetts Agr.) 1912, Highland
Rural Education, Farm Management (Works, Kruse, Warren, Livermore) M.S. in Agr.
- Webster, Robert Lorenzo, A.B. (Illinois) 1908, Kensington, Md.
Economic Entomology, Plant Physiology, Pomology (Herrick, Curtis, Heinicke) Ph.D.
- Weeks, Dorothy Wolcott, B.A. (Wellesley) 1916, Washington, D.C.
Experimental Physics, Theoretical Physics (Murdock, Gibbs) A. M.

- Wehrle, Lawrence Paul, B.S. (Kansas State Agr.) 1914,
Economic Entomology, Biology, Systematic Entomology
(Herrick, Needham, Johannsen) Scranton, Kansas
Ph.D.
- Westphal, Milton, Buffalo
Semitic Languages and Literatures, Philosophy (Schmidt, Creighton) A.M.
- Wheat, Seth Truman, B.S. (Cornell) 1915, Salem, N. J.
Rural Education, Farm Management (Works, Misner) M.S.
- Whitney, Cass Ward, B.S. (Cornell) 1913, Ithaca
Rural Organization, Rural Education (Sanderson, Kruse) M.S. in Agr.
- Wilson, Percy Suydam, C.E. (Cornell) 1918, Glen Ridge, N. J.
Hydraulic Engineering, Mechanics (Seery, Rettger) M.C.E.
- †Woodman, DeGraaf, B.S. (Cornell) 1917, New York City
Adviser, J. F. Mason.
- Working, Holbrook, A.B. (Denver) 1915, Takoma Park, D. C.
Economic Theory, Rural Economy, Economic History Ph.D.
(Davenport, Young, Lauman, Hull, Usher)
- Wright, Chilton A., C.E. (Cornell) 1919, New Rochelle
Experimental Hydraulics, Hydraulic Engineering (Schoder, Seery) M.C.E.
- †Yoneyama, Yutaka, (Nogakushi-Sappora Imperial Agr.) 1905, Shidzuoka, Japan
Adviser, G. F. Warren.
- Young, Ernest Charles, B.S. (Grove City) 1914, Ithaca
Farm Management, Animal Husbandry, Soil Technology (Warren, Savage, Bizzell) Ph.D.
- Young, Harry Pestana, B.S. (Pennsylvania State) 1913, Ithaca
Farm Management, Economics, Animal Husbandry (Warren, Davenport, Savage) Ph.D.
- Zee, Nai Zung, B.S. in C.E. (Pennsylvania) 1918, Shanghai, China
Hydraulic Engineering, Railroad Engineering (Seery, Barnes) M.C.E.
- Zigler, Michael Jacob, A.B. (Bridgewater) 1916, A.M. (Clark) 1917, Broadway, Va.
Psychology, Education, Physiology (Titchener, Ogden, Simpson) Ph.D.

COLLEGE OF ARTS AND SCIENCES

For detailed information concerning the work of the College of Arts and Sciences, candidates for admission to that college should consult the Announcement of the College of Arts and Sciences which will be sent gratis on application to the Secretary of the University.

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- WATERMAN THOMAS HEWETT, A.B., Ph.D., Emeritus Professor of the German Language and Literature.
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THOMAS ROLAND BRIGGS, Ph.D., Assistant Professor of Physical Chemistry and Electro-chemistry.
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JAMES T. QUARLES, Assistant Professor of Music.
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FREDERICK WILLIAM OWENS, Ph.D., Assistant Professor of Mathematics.
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EARLE HESSE KENNARD, B.A., Ph.D., Assistant Professor of Physics.
ALFRED HENRY SWEET, A.B., A.M., Ph.D., Acting Assistant Professor of English History.
ALBERT LEROY ANDREWS, A.B., A.M., Ph.D., Assistant Professor of German.
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EVERETT LEE HUNT, A.B., Assistant Professor of Public Speaking.
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ELLSWORTH DAVID ELSTON, A.B., A.M., Instructor in Physical Geography.

- FREDERICK RAYMOND GEORGIA, B.Chem., Instructor in Chemistry.
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JAMES MEAD HYATT, A.B., Instructor in Physics.
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LEON FRANCIS CURTISS, A.B., Instructor in Physics.
HELEN BREWSTER OWENS, A.B., A.M., Ph.D., Instructor in Mathematics.
FRED WALDORF STEWART, A.B., Instructor in Neurology.
ALICE ROTHWELL, A.B., Instructor in Physics.
ALLEN DITCHFIELD CAMPBELL, A.M., Instructor in Mathematics.
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WARD CULVER BOWEN, A.B., A.M., Instructor in Mineralogy.
TUDOR SEYMOUR LONG, A.B., Instructor in English.
YUEN REN CHAO, A.B., Ph.D., Instructor in Physics.
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FREDERIC EBELL FISKE, A.B., Instructor in English.
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SETH WAKEMAN, B.A., M.A., Instructor in Education.
EDWARD PHILIP THEODORE TYNDALL, B.A., Instructor in Physics.
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GEORGE L. COLEMAN, Instructor in Music.
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HAROLD MEADE MOTT-SMITH, A.B., Instructor in Physics.
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HALLDOR HERMANSSON, Lecturer in Scandinavian.

ASSISTANTS

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WILLIS ELWIN MARTIN, Assistant in Chemistry.
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RUTH ANITA St. JOHN, Assistant in Geology.
L. R. SEVRINGHAUS, Assistant in Physics.
WILLIAM STULL HOLT, Assistant in American History.
ANDREW JAMES RONALD HELPS, Assistant in Chemistry.

COLLEGE OF ARTS AND SCIENCES

For admission to the College of Arts and Sciences, see page 45; for tuition in the College of Arts and Sciences, see page 52.

Two curricula are offered in the College of Arts and Sciences, one leading to the degree of Bachelor of Arts, the other leading to the degree of Bachelor of Chemistry.

THE DEGREE OF BACHELOR OF ARTS

1. Requirements for Graduation.

- a. Residence for eight terms as defined and provided for in paragraphs 2-6.
- b. Credit for one hundred and twenty hours, of which at least ninety hours must be for courses given in the College of Arts and Sciences.
- c. A grade of at least C in at least sixty of the required one hundred and twenty hours. A, B, C, D are passing grades; E represents a condition; F a failure.
- d. Election of courses in accordance with the provisions of paragraphs 8-17 (Choice of Studies).
- e. Completion of the work in Military Drill or in Physical Training prescribed by the University Faculty.

2. Credit for Terms of Residence.

- a. **During the Academic Year.** To secure credit for a term of residence a student must complete during that term at least twelve hours of the work for which he has registered.
 - i If, as a result of ill health or other causes beyond his control, a student fails to pass twelve hours in a term, the term's residence may be completed either by attendance at a summer session or by examination or by both, as the Faculty may determine, but no credit for courses elected in any other term may be used to complete the necessary twelve hours.
 - ii When failure to pass twelve hours is due to other causes than those just specified, all credit for the term in residence and in hours is cancelled and the student may resume his work in the College only under such conditions and at such times as the Faculty may designate. A freshman, however, who, at the end of his first term, has failed to pass twelve hours of work, but who nevertheless is permitted to continue in the College, may be allowed until the beginning of his fourth term to make up deficiencies in courses for which he has registered during the first term, whenever such deficiencies may, under the rules of the College, be made up.
 - iii A student's general record may be so unsatisfactory that the Faculty will refuse him permission to continue in the College even though residence credit for the preceding term may have been established.
- b. **By Examination at Admission.** In case a student has gained twelve hours of college credit by passing at admission examinations set for that purpose, he will be considered as having completed one term of residence. If the college credit gained at entrance amounts to six hours, he may complete a term of residence by securing credit for at least six hours in a summer session of the University.
- c. **Summer Sessions.** A student who has satisfied the entrance requirements of the College and has afterward completed in two or more summer sessions of the University at least twelve hours of work in courses selected with the approval of the Dean, will be

regarded as having thus fulfilled a term of residence. Credit for a maximum of eight hours and (except with the permission of the Committee on Academic Records) a minimum of five hours may be secured in any one summer session. Under no circumstances will work done in summer sessions be accepted as the equivalent of more than two terms. Courses pursued in summer sessions of other universities belonging to the Association of American Universities by a student regularly registered in this College may be credited toward the degree, but permission to take such courses must be secured in advance from the Dean of this College.

3. **Residence During the Last Two Terms.** The degree will not be conferred upon any student unless he has been in residence at Cornell University during the last two of the required eight terms.

4. **Admission to Advanced Standing.** A student admitted to the College of Arts and Sciences from another College of Cornell University or from any other institution of collegiate rank will receive credit toward the degree of Bachelor of Arts for the number of terms and of hours to which his records may, in the judgment of the Faculty, entitle him. In order however to obtain the degree of Bachelor of Arts he must, as a candidate for that degree, have been in residence at least two terms in the College of Arts and Sciences and in that college only.

5. **Registration in Two Colleges of the University.** A student who has completed in the College of Arts and Sciences at least six terms of residence (no one of them under the provisions of paragraph 2b) may, with the permission of the Faculties concerned, be registered both in the College of Arts and Sciences and also in any other college of Cornell University.

6. **Registration in the College and in the Graduate School.** A student who has satisfied all the requirements for graduation except in respect of residence, may, with the permission of the Graduate School, register both in the College of Arts and Sciences and in the Graduate School.

7. **Removal of Marks of Conditioned, Incomplete, and Absent.** A student who in any course has received a term mark of E (a condition) or a mark of incomplete or absent may, with the consent of the Dean and upon payment of the fee required by the University, be permitted to remove the mark by examination or otherwise as the Department concerned may direct. A mark of conditioned or of incomplete or of absent may not be removed later than registration day of the third term of attendance in the University after the course was taken in class, and not more than one attempt at removal will be allowed.

A student who has received a mark of F (a failure) in any course must register again for the course if he desires to secure credit therefor.

Choice of Studies

8. **At least Twelve Hours of Work.** A student must register each term for at least twelve hours of work. For registration in a course not in the College of Arts and Sciences the permission of the college or the professor concerned must be secured.

9. **Under-class Advisers.** Each freshman and each sophomore must confer with an under-class adviser before handing in his study card to the Dean. The function of the adviser is to assist the student in his choice of studies, to advise him during the term regarding his work, and generally to give him friendly counsel.

10. **Under-class Requirements.** During the freshman and the sophomore year, each student is required to include in the course for which he registers the following: in English and history, six hours; in one or more languages other than English, six hours; in philosophy, psychology, and mathematics, six hours; and in physics, chemistry, geology, physical geography, and the biological sciences, six hours. Of these hours the student is required to take at least twelve, and advised to take more, in his freshman year. Each six hours may be entirely in one division

(for example, English six hours), or partly in one and partly in another (for example, English three hours and history three hours). The following courses in foreign languages may not be applied in satisfaction of the foreign language requirement: Greek 1; Latin a, b; German 1, 1a, 3, 3a; French 1, 2, 3; Spanish 1, 2, 3; Italian 1, 2. College credit gained under paragraph 2b may not be applied in satisfaction of any of these group requirements.

11. Courses Open to Freshmen.

- (a.) The following courses in the College of Arts and Sciences are open to freshmen without special permission, except that,
A student may not register for any of these courses for which he has not satisfied the pre.requisites if any are specified (see announcement under each course),

A student may not register for any of these courses for which he has presented an acceptable equivalent at entrance.

Bibliography 1, 2	History 1, 2, 3I, 32
Biology 1	Italian 1, 2
Botany 1, 2, 3, 4a, 4b	Latin A, B, 1, 2
Chemistry 1, 6, 7, 85	Mathematics 1, 2, 2E, 3, 5, 6, 7, 8, 15
English 1	Music 1, by examination, (see page 27)
Entomology 4, 5, 10	Natural History 6
French 1, 2, 3, 3a, 4, 4a, 5, 5a, 6	Physics 1, 2, 3, 4a, 4b, 7, 10
Geology 1, 2, 11, 21	Physiology 3, 6
German 1, 1a, 3, 3a, 4, 5, 8	Spanish 1, 2, 3, 4a, 4b, 5
Greek 1, 2	Zoology 1, 5, 6, 12

- b. Subject to the permission mentioned in paragraph 8, required courses in other colleges in the regular freshman schedule of those colleges may be elected by freshmen in the College of Arts and Sciences.
- c. Under exceptional circumstances, a freshman may by petition secure permission to take courses (including freshman electives in other colleges) in addition to those allowed under (a) and (b).

12. **Upper-class Groups and Advisers.** Each student shall choose at the beginning of his junior year one of the following groups:

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| 1. Ancient Languages | 7. Physics. |
| 2. Modern Languages. | 8. Chemistry. |
| 3. English and Public Speaking. | 9. Botany. |
| 4. Philosophy, Psychology, and Education (including Physical Education). | 10. Zoology and Entomology. |
| 5. History and Political Science. | 11. Physiology, Histology, and Embryology. |
| 6. Mathematics and Astronomy. | 12. Geology and Physical Geography. |

In the group selected he must complete during his junior and his senior year at least twenty hours of work. In choosing these twenty hours the student must obtain the advice and approval of some professor or assistant professor within the group. With the sanction of his adviser and of the Dean, a student may choose, instead of one of the upper-class groups listed above, a combination of two related groups. A senior in this College who is registered also in some other college of Cornell University is excused from ten of these twenty hours.

13. **Theses.** Any senior candidate for the degree of Bachelor of Arts may with the permission of the Dean, arrange with the Department in which he is taking his principal work to write a thesis which, if accepted, shall entitle him to not more than three hours of credit a term.

14. **Study Cards.** On or before the third day of instruction a student registering in the College for the first time must file at the Dean's office his study card with list of courses for the term.

15. Two weeks before the end of each term every student must file at the Dean's office his study card with list of courses for the next term.

16. **Changes in List of Courses.** With the consent of the Dean and the approval of the adviser, a student may alter his list of courses in the first term during the first six days of instruction, and in the second term during the first day of instruction.

17. Thereafter no student will be permitted to cancel his registration for any course in which he is registered, unless he shall previously have obtained from the Dean authorization to do so on the ground of ill health or for other reasons beyond his control.

BACHELOR OF ARTS WITH HONORS

1. Any Department, or group of Departments, in the College of Arts and Sciences may recommend that the degree of Bachelor of Arts with Honors in a particular subject or group of subjects shall be awarded to a student who, in addition to complying with the ordinary requirements for the degree, has satisfied such additional requirements as the Department or group of Departments concerned may set.

2. Any Department or group of Departments may admit to candidacy for Honors a student who has completed four terms of residence, at least half of whose work is above C, and who has received no more than one term mark below C during his second year of residence. Further prerequisites may be set by the Departments or groups of Departments concerned. A student who has maintained an exceptionally high standard of work during his third term of residence may be added to the list of candidates for Honors not later than the beginning of his seventh term of residence. A student may be dropped from the list of candidates for Honors for failure to maintain a satisfactory standard of work.

3. Candidates for Honors may receive credit (in hours) for additional work of a high order, which may or may not be in connection with regular courses of instruction.

4. Each Department or group of Departments that desires to enroll students as candidates for Honors shall submit its proposed requirements to the approval of the Committee on Educational Policy. These requirements may include such items as a minimum amount of work of specified grade in the special subject, general reading in the field of that subject, knowledge of auxiliary subjects, ability to make use of one or more foreign languages, a thesis, and a special examination.

THE DEGREE OF BACHELOR OF CHEMISTRY

The requirements for the degree of Bachelor of Chemistry are residence for eight terms and the completion of the following curriculum. In addition to these requirements the work prescribed by the University in Military Drill or in Physical Training must be completed.

Students who have not presented three units of German and two units of French upon entering the course in chemistry, will be required to make up the shortages in these languages before the beginning of the senior year.

First Year

	No. of Course	First Term	Second Term
Introductory Inorganic Chemistry Chemistry	1	6	—
Qualitative Analysis Chemistry	7	6 or 0	0 or 6
Analytical Geometry, Differential Calculus, Integral Calculus Mathematics	7	5	5
Introductory Experimental Physics Physics	2	—	5
Drawing Sibley College	D3	3	—
English English	1	3	3

Second Year

	No. of Course	First Term	Second Term
Quantitative Analysis.....Chemistry	12	0 or 6	6 or 0
Organic Chemistry.....Chemistry	30	6	6
Gas Analysis.....Chemistry	19, 20	4 or 0	0 or 4
Introductory Physical Experiments.....Physics	10	2	-
Physical Experiments.....Physics	14	-	2
Crystallography.....Geology	12	0 or 3	3 or 0
Opticochemical Methods.....Chemistry	24	-	3
Elective		-	3

Third Year

Introductory Physical Chemistry.....Chemistry	50	3	3
Physical Chemistry Laboratory.....Chemistry	51	3	3
Chemical Microscopy.....Chemistry	65	0 or 2	2 or 0
Quantitative Analysis, Lectures.....Chemistry	15	-	2
Advanced Quantitative Analysis.....Chemistry	14	2	2
General Physics.....Physics	9c	2	-
Physical Experiments.....Physics	14	2	-
Mechanics.....Sibley College	M5	5	-
Mechanical Laboratory.....Sibley College	X12	-	4
Elective			3

Students who wish to register in the junior year for a greater number of elective hours than the schedule demands may, with the approval of the Department, be permitted to defer taking some of the required courses of the junior year.

Fourth Year

Electrical Engineering Laboratory.....Sibley College	E12	4	-
Seminary.....Chemistry	95	-	1
Research.....Chemistry	96 (at least)	4	4
Electives.....at least		5	5

In choosing his elective subjects in the senior year the student is advised to select as his special field some one of the following seven divisions of chemistry: Inorganic chemistry, analytical chemistry, organic chemistry, physical chemistry, chemical microscopy, sanitary chemistry, agricultural chemistry. While the greater part of the elective work should lie in the field thus chosen, the remainder may comprise courses in any division of chemistry, or such other courses as may be approved by the Department of Chemistry.

The provisions of paragraphs 2aiii, 2b, 2c, 3, 4, 12, 13, 14, and 15 relating to the degree of Bachelor of Arts apply in general to candidates for the degree of Bachelor of Chemistry. A candidate for the latter degree may register for nineteen hours a term. To register for more than nineteen hours in any term he must secure the approval of the Department of Chemistry.

COURSES OF INSTRUCTION

SEMITIC LANGUAGES AND LITERATURES

- 1a. **Hebrew.** Throughout the year, credit three hours a term. Professor SCHMIDT. Open only to juniors, seniors, and graduates.
- 1b. **Advanced Hebrew.** Throughout the year, credit two hours a term. Prerequisite, course 1a. Professor SCHMIDT.
- 2a. **Arabic.** Throughout the year, credit two hours a term. Professor SCHMIDT. Open only to juniors, seniors, and graduates.
- 2b. **Advanced Arabic.** Throughout the year, credit two hours a term. Prerequisite, course 2a. Professor SCHMIDT.
3. **Ethiopic.** Throughout the year, credit two hours a term. Prerequisite, courses 1a, 2a. Professor SCHMIDT. Primarily for graduates.
- 4a. **Assyrian.** Throughout the year, credit two hours a term. Prerequisite, courses 1a, 2a. Professor SCHMIDT.
- 4b. **Aramaic.** Throughout the year, credit two hours a term. Prerequisite, course 1a. Professor SCHMIDT.
- 5a. **Egyptian.** Throughout the year, credit two hours a term. Prerequisite, courses 1a, 2a. Professor SCHMIDT. Primarily for graduates.
- 5b. **Coptic.** Throughout the year, credit two hours a term. Prerequisite, course 5a. Professor SCHMIDT. Primarily for graduates.
6. **Biblical Literature.** Throughout the year, credit two hours a term. Professor SCHMIDT. General introduction to the Bible. Open to juniors, seniors, and graduates.
7. **Semitic Seminary.** Throughout the year, credit two hours a term. Prerequisite, courses 1a, 4b. Professor SCHMIDT.
8. **Comparative Semitic Philology.** Throughout the year, credit one hour a term. Professor SCHMIDT. For graduates only.
- 9a. **Oriental History.** Throughout the year, credit two hours a term. Professor SCHMIDT. Open to juniors, seniors, and graduates.

GREEK

1. **Elementary Greek.** Throughout the year, credit six hours a term. This course however is continuous throughout the year, and no credit will be allowed for the first term alone. Assistant Professor JONES.
2. **Plato, Selections; Homer's Odyssey.** Throughout the year, credit three hours a term. Professor BRISTOL and Assistant Professor JONES.
A continuation of the work begun in course 1, which, or at least two years of high school Greek, is prerequisite.
3. **Euripides, Sophocles.** First term, credit three hours. Assistant Professor JONES.
4. **Greek Composition.** Throughout the year, credit one hour a term. Prerequisite, course 2, or the equivalent. Assistant Professor JONES.
5. **New Testament Greek.** Throughout the year, credit two hours a term. Dr. WHITE. Prerequisite, course 1, or its equivalent.
- [6. **Herodotus.** First term, credit two or three hours. Professor BRISTOL.] Not given in 1919-1920.
7. **Myths of the Epic Cycle.** Second term, credit two hours. Assistant Professor JONES.
9. **Dramatic Poetry.** Second term, credit two hours. Assistant Professor JONES.
10. **Lyric Poetry.** First term, credit two hours. Professor BRISTOL.
- [11. **Aristophanes.** Second term, credit two hours. Assistant Professor JONES.] Not given in 1919-1920.
12. **The Republic of Plato.** Throughout the year, credit three hours a term. Professor HAMMOND.
- [15. **Thucydides.** First term, credit two hours. Professor BRISTOL.] Not given in 1919-1920.
20. **Greek Seminary.** Throughout the year, credit two hours a term. Professor BRISTOL.
- [21. **Introduction to the Study of Languages.** First term, credit two hours. Professor BRISTOL.] Not given in 1919-1920.

GREEK ART AND ANTIQUITIES

Courses 1, 2, 3, 4, and 4a in this Department do not require any knowledge of Greek or of Latin. Courses 5 and 6 presuppose facility in reading Greek. Course 7 is primarily for those expecting to study in Athens.

A. Greek Art. November to March inclusive. Professor ANDREWS.

An introductory course of popular illustrated lectures on Greek sculpture, Greek antiquities, and Greek topography. Planned and timed especially to meet the needs of students in the technical and professional colleges, but open to all students and to the public. No university credit.

1. **History of Greek Sculpture.** Repeated in second term, credit three hours. Professor ANDREWS. Lectures. Intended to be supplemented by course 3, but may be taken separately. Not open to students who have had course 2.

2. **History of Greek Sculpture.** Throughout the year, credit two hours a term. Professor ANDREWS. May not be entered in the second term. Not open to students who have had course 1.

3. **Greek Antiquities.** Repeated in second term, credit three hours. Professor ANDREWS. Lectures on pre-Greek art and civilization, terra cottas, bronzes, gems, and vases. Intended to be taken with course 1, but may be taken separately.

4. **Greek Numismatics.** First term, credit two hours. Professor ANDREWS. Preferably to follow course 3.

4a. **Greek Architecture.** Second term, credit two hours. Professor ANDREWS. Preferably to follow course 3.

5. **Pausanias.** Credit two hours. Professor ANDREWS.

6. **Greek Epigraphy.** Credit two hours. Professor ANDREWS. For graduates and qualified undergraduates.

7. **Modern Greek.** Credit two hours. Professor ANDREWS.

LATIN

A. Elementary Latin. Credit five hours a term. Professor ELMER. The course is continuous throughout the year, and no credit will be allowed for the first term alone. May be elected for five hours' total credit by students who have entrance credit for only one unit of Latin.

B. Cicero, Selected Orations; Virgil, Aeneid, Books I-IV. Throughout the year, credit three hours a term. Prerequisite, course A or entrance credit for two units of Latin (first year and second year Latin). Professor ELMER. May be entered in the second term by students who have entrance credit for only three units of Latin.

1. **Cicero, De Amicitia; De Senectute; Horace, Odes and Epodes; Latin Writing.** Throughout the year, credit three hours a term. Professors BENNETT and DURHAM.

[1a. **Freshman Latin Composition and Conversation.** Throughout the year, credit one hour a term. Professor DURHAM.] Not given in 1919-1920.

2. **Sight Translation: Gellius, Selections; Ovid, Metamorphoses.** Throughout the year, credit one hour a term. Professor ELMER.

Especially recommended as collateral work for those who are taking course 1, but open to all students. Courses 2 and 3 are given in alternate years.

[3. **Sight Translation: Caesar's Civil War; Phaedrus; Martial.** Throughout the year, credit one hour a term.] Not given in 1919-1920.

[7. **Classic Myths in English Literature.** Prerequisite, preparatory Latin. Second term only, credit two hours. Professor DURHAM.] Not given in 1919-1920.

8. **Terence, Phormio; Catullus; Horace, Satires and Epistles; Tacitus, Agricola and Germania.** Throughout the year, credit three hours a term. Prerequisite, course 1. Professor DURHAM.

9. **Sight Translation for Sophomores.** First term, credit one hour. Prerequisite, course 1. Professor DURHAM.

[11. **Selections from Cicero's Letters; Cicero, De Oratore, Book I.** Throughout the year, credit two hours a term. Prerequisite, course 1, or the equivalent. Professor ELMER.] Not given in 1919-1920.

12. **Selections from the Last Six Books of Virgil's Aeneid; Cicero, De Officiis.** Throughout the year, credit two hours a term. Prerequisite, course 1, or the equivalent. Professor ELMER. Courses 11 and 12 are given in alternate years.

[16. **Selections from the Republican Literature: Plautus, the Captives and Mostellaria; Lucretius; Lectures on the History of Roman Literature.** Throughout the year, credit three hours a term. Prerequisite, course 8, 11, or 12. Professor BENNETT.] Not given in 1919-1920. Courses 16 and 17 are given in alternate years.

17. **Literature and History of the Early Empire: Suetonius, Lives of the Caesars; Pliny's Letters; Tacitus's Annals.** Throughout the year, credit three hours a term. Prerequisite, course 8, 11, or 12. Professor BENNETT.

18. **Lyric Poetry.** First term, credit two hours. Open to students who have taken or are taking course 16 or 17. Professor DURHAM.

21. **Intermediate Course in Latin Writing.** Throughout the year, credit one hour a term. Prerequisite, course 1. Professor ELMER.

[26. **Teachers' Training Course.** Throughout the year, credit two hours a term. Open, upon personal application to the professor, to students who have had course 8, 11, or 12, and have taken or are taking course 16 or 17. Professor BENNETT.] Not given in 1919-1920.

27. **Roman Life and Art.** Throughout the year, credit two hours a term. Professor BENNETT.

[34. **Cicero, in Verrem, Fourth Oration of the Actio Secunda.** Throughout the year, credit one hour a term. Prerequisite, course 8, 11, or 12, or the equivalent. Professor ELMER.] Not given in 1919-1920.

35. **Advanced Course in Sight Translation: Cicero's Philippics.** Throughout the year, credit one hour a term. Open to juniors and seniors who have taken or are taking either course 16 or 17. Professor ELMER.

45. **Latin Writing, Advanced Course.** Throughout the year. Professor ELMER. For graduates. Undergraduates who have taken course 21 may also be admitted to this course.

47. **Vulgar Latin.** Throughout the year, credit two hours a term. Professor DURHAM.

50. **Latin Epigraphy.** Throughout the year, credit two hours a term. Professor DURHAM. Open to graduates and to qualified undergraduates.

(For other graduate courses in Latin, see the Announcement of the Graduate School).

GERMAN

1. **Course for Beginners: Oral Training, Grammar, Composition, Translation.** Repeated in second term, credit six hours. Professor POPE.

This course is equivalent to first year and second year German of the entrance requirements (credit two units). It may be elected for three hours' credit by students who have entrance credit for only one unit of German (first year German).

1a. **Course for Beginners: Oral Training, Grammar, Composition, Translation.** Throughout the year, credit three hours a term. Assistant Professor ANDREWS.

This course is equivalent to first year and second year German of the entrance requirements (credit two units). It may be elected in the second term by students who have had first year German (one unit).

3. **Oral Training, Grammar, Composition, Translation.** Repeated in second term, credit five hours. Prerequisite, course 1, or entrance credit for two units of German (first year German and second year German). Professor FAUST.

This course is equivalent to third year German of the entrance requirements.

3a. **Oral Training, Grammar, Composition, Translation.** Throughout the year, credit three hours a term. Assistant Professor ANDREWS.

This course is equivalent to third year German of the entrance requirements.

4. **Elementary German Composition and Conversation.** First term, credit three hours. Open to those who are taking or have taken course 3. Professor POPE. Exercises conducted in German. It is advisable to combine course 4 with course 3 or 5.

5. **Intermediate German.** Throughout the year, credit three hours a term. Prerequisite, course 3, or the equivalent. Professor BOESCHE and Assistant Professor ANDREWS. Course 4 may be combined with course 5.

8. **Scientific German.** Second term, credit three hours. Prerequisite, courses 1-3, or three years of German in high school. Professor BOESCHE.

10. **Advanced German Composition and Conversation.** Throughout the year, credit three hours a term. Prerequisite, courses 1-5, or the equivalent. Professor BOESCHE.

11. **Schiller's Life and Works.** First term, credit three hours. Prerequisite, courses 1-5. Professor BOESCHE.

12. **Lessing's Life and Works.** Second term, credit three hours. Prerequisite, courses 1-5. Professor POPE.

13. **Goethe's Life and Works.** First term, credit three hours. Primarily for juniors and seniors. Prerequisite, courses 1-5, or the equivalent. Professor POPE.

14. **Goethe's Faust, part I and selected portions of part II.** Second term, credit three hours. Primarily for juniors and seniors. Prerequisite, courses 1-5, or the equivalent. Professor FAUST.

[15. **History of German Literature.** Throughout the year, credit three hours a term. Prerequisite, courses 1-5, or the equivalent. Professor FAUST.] Not given in 1919-1920.

16. **Contemporary German Literature.** Throughout the year, credit three hours a term. Prerequisite, courses 1-5, or the equivalent. Professor FAUST.

17. **The German Drama of the Nineteenth Century.** First term, credit three hours a term. Prerequisite, courses 1-5, or the equivalent. Professor FAUST.

37. **Middle High German.** Throughout the year, credit three hours a term. Prerequisite, courses 1-5, 10, and at least six hours of advanced work in German literature. Assistant Professor ANDREWS.

[38. **Modern Scandinavian.** Throughout the year, credit three hours a term. Assistant Professor ANDREWS. For advanced students.] Not given in 1919-1920.

39. **Teachers' Course in German Composition.** Throughout the year, credit two hours a term. Admission by permission only. Professor BOESCHE.

40. **Teachers' Course in Methods.** Second term, credit two hours. Prerequisite, courses 1-5, 10, and eighteen hours of advanced work in German literature or philology. Professor FAUST.

42. **Gothic.** First term, credit three hours. Professor BOESCHE. Primarily for graduates.

[43. **Old High German.** First term, credit three hours. Prerequisite, course 37. Professor BOESCHE. Primarily for graduates.] Not given in 1919-1920.

44. **Old Icelandic.** Throughout the year, credit three hours a term. Assistant Professor ANDREWS. Primarily for graduates.

[45. **The Viking Age.** First term, credit one hour. Mr. HERMANSSON.] Not given in 1919-1920.

46. **Old Norse Mythology.** First term, credit one hour. Mr. HERMANSSON.

[48. **Principles of Germanic Philology.** Second term, credit two hours. Prerequisite, course 42. Assistant Professor ANDREWS.] Not given in 1919-1920.

49. **Seminary in German Literature.** First term, credit two hours. Professor FAUST. For graduates only.

50. **Seminary in German Literature.** Second term, credit two hours. Professor POPE. Primarily for graduates.

[52. **Seminary in German Philology.** Second term, credit two hours. Professor BOESCHE. Primarily for graduates.] Not given in 1919-1920.

ROMANCE LANGUAGES

FRENCH

1. **Elementary Course.** Repeated in the second term, credit six hours. This course is equivalent to first year French and second year French of the entrance requirements (credit two units).

1a. **Elementary Course.** Throughout the year, credit three hours a term. Not open to students in the College of Arts and Sciences. No credit is given for a single term.

2. **Intermediate Course.** First term, credit three hours. Prerequisite, first year French of the entrance requirements.

This course is designed primarily for those who offer first year French for entrance.

3. **Advanced Course.** Repeated in the second term, credit five hours. Prerequisite, course 1, 2, or second year entrance French.

3a. **Intermediate Course.** Throughout the year, credit three hours a term. Prerequisite, course 1, 2, or second year entrance French. Not open to students in the College of Arts and Sciences. No credit is given for a single term.

4. **Advanced Translation.** Repeated in the second term, credit three hours. Prerequisite, course 3, or third year entrance French.

This course is prerequisite for all the following courses in French, except 5, which may be taken profitably with it.

4a. **Advanced Translation.** Repeated in the second term, credit three hours. Prerequisite, course 4.

5. **Elementary Composition.** Repeated in the second term, credit three hours. Prerequisite, course 3, or third year entrance French.

Courses 5 and 5a should be taken if possible in connection with course 4, or 4a.

5a. **Elementary Composition.** Repeated in the second term, credit three hours. Prerequisite, course 5.

6. **History of French Literature.** Throughout the year, credit three hours a term. Prerequisite, course 4. Professor MASON.

7. **Literature of the Seventeenth Century.** Throughout the year, credit three hours a term. Prerequisite, course 6. Professor GUERLAC.

[8. **Literature of the Eighteenth Century.** Throughout the year, credit three hours a term. Prerequisite, course 6. Professor MASON.] Not given in 1919-1920.

9. **Literature of the Nineteenth Century.** Throughout the year, credit three hours a term. Prerequisite, course 6. Professor MASON.

[10. **Contemporary French Literature.** Throughout the year, credit three hours a term. Prerequisite, course 6. Professor MASON.] Not given in 1919-1920.

14. **Intermediate Composition.** Throughout the year, credit three hours a term. Prerequisite, course 5. Assistant Professor PUMPELLE.

[16. **French Phonetics.** Second term, credit three hours. Prerequisite, course 5. Professor MASON.] Not given in 1919-1920.

18. **Advanced Composition.** Throughout the year, credit three hours a term. Prerequisite, course 14. Professor GUERLAC.

21. **Prose of the Sixteenth Century.** Second term, credit three hours. Prerequisite, course 6. Professor MASON.

[22. **Poetry of the Sixteenth Century.** Second term, credit three hours. Prerequisite, course 6. Professor MASON.] Not given in 1919-1920.

23. **French Philology.** Throughout the year, credit three hours a term. Prerequisite, entrance Latin. Assistant Professor PUMPELLE.

26. **Old French Texts.** Throughout the year, credit two hours a term. Prerequisite, course 23.

27. **Modern French Seminary.** Throughout the year, credit two hours a term. Professor MASON. Primarily for graduates.

[28. **French Criticism.** Throughout the year, credit one hour a term. Professor MASON.] Not given in 1919-1920.

30. **The Teaching of French.** Second term, credit two hours. Open to seniors and graduates.

ITALIAN

1. **Elementary Course.** Throughout the year, credit three hours a term. Professor HAMILTON. This course may not be taken in the same year as Spanish 1. The course is continuous throughout the year, and no credit for the first term alone.

2. **Italian Poetry: Dante, Leopardi, Carducci.** Throughout the year, credit three hours a term. Prerequisite, course 1, or second year Italian of the entrance requirements. Professor HAMILTON.

3. **Petrarch and the Renaissance.** Throughout the year, credit two hours a term. Prerequisite, course 2. Professor HAMILTON. Primarily for graduates.

[5. **Old Italian.** Throughout the year, credit two hours a term. Professor HAMILTON.] Not given in 1919-1920.

SPANISH

1. **Elementary Course.** Repeated in second term, credit six hours.

1a. **Elementary Course.** Throughout the year, credit three hours a term. For students in Engineering and Agriculture; not open to students in Arts and Sciences. Continuous throughout the year, and no credit for first term alone.

2. **Intermediate Course.** First term, credit three hours. For students entering with one unit of credit in Spanish.

3. **Advanced Course.** Repeated in second term, credit five hours. Prerequisite, course 1, 2, or second year entrance Spanish.

4a. **Advanced Translation.** Repeated in second term, credit three hours. Prerequisite, course 3, or third year entrance Spanish.

4b. **Advanced Translation.** Second term, credit three hours. Prerequisite, course 4a. Courses 4a and 4b are prerequisite for all the following courses in Spanish, except course 5, which may be taken profitably in connection with them.

5. **Elementary Composition and Conversation.** Throughout the year, credit three hours a term. Prerequisite, course 3, or third year entrance Spanish.

It is recommended that this course be taken in connection with courses 4a and 4b. New registrations in the second term will be accepted only after consultation with the instructor in charge.

7. **Advanced Composition and Conversation.** Throughout the year, credit three hours a term. Prerequisite, course 5.

10. **History of Spanish Literature.** Throughout the year, credit three hours a term. Prerequisite, course 4. Professor KENISTON.

12. **History of Spanish America.** Throughout the year, credit three hours a term. Prerequisite, course 4.

[19. **Literature of the Nineteenth Century.** Throughout the year, credit three hours a term. Prerequisite, course 4.] Not given in 1919-1920.

30. **The Teaching of Spanish.** Second term, credit three hours. For students who intend to teach Spanish. To be given in 1920-1921.

41. **Old Spanish.** Throughout the year, credit three hours a term. Professor KENISTON.

[43. **Seminary.** Throughout the year, credit two hours a term. Primarily for graduates.] Not given in 1920-1921.

ROMANCE PHILOLOGY

[1. **Low Latin.** Second term, credit two hours. Professor HAMILTON. Primarily for graduates.] Not given in 1919-1920.

2. **Old Provençal.** First term, credit two hours. Professor HAMILTON.

5. **Romance Phonetics.** First term, credit three hours. Professor KENISTON.

ENGLISH

Course 1 is for freshmen; courses 20, 22, 71, and 74 are primarily for sophomores. Prerequisites for admission to the remaining courses, for upperclassmen and graduates, are stated in the description of the courses.

1. **Introductory Course.** Throughout the year, credit three hours a term. Students who have not taken the course in the first term may enter in the second term in sections provided for them. Open only to underclassmen who have satisfied the entrance requirement in English. Assistant Professor SMITH, and Messrs. FISKE, LONG, CARROLL, and MANNING SMITH.

[3. **English Literature.** For freshmen in Arts and Sciences.] Not given in 1919-1920.

5. **Advanced Composition.** Throughout the year, credit three hours a term. Open to upperclassmen who satisfy the instructor that they are proficient in composition. Assistant Professor SMITH.

8. **English Usage and Style.** Throughout the year, credit three hours a term. Prerequisite, course 20, or its equivalent. The instructor's permission must be obtained before enrollment in the course. Professor STRUNK.

9. **Teacher's Course.** Second term, credit two hours. Professor NORTHUP. Open to seniors and graduates who intend to teach English.

10. **Play Writing.** Throughout the year, credit two hours a term. Open to seniors and graduates who show some special aptitude for the proposed work. Professor SAMPSON.

11. **Old English.** Throughout the year, credit three hours a term. Prerequisite, course 1. Open to upperclassmen. Assistant Professor MONROE.
15. **The English Language.** Throughout the year, credit one hour a term. Open to graduates and to seniors who are preparing to teach English. Assistant Professor MONROE.
20. **Nineteenth Century Prose.** Throughout the year, credit three hours a term. Prerequisite, course 1. Professors PRESCOTT and NORTHUP, and Assistant Professors MONROE and BROUGHTON.
22. **Nineteenth Century Poetry.** Throughout the year, credit three hours a term. Prerequisite, course 1. Students who have not taken the course in the first term may enter in the second term. Open to sophomores and upperclassmen. Professors SAMPSON, STRUNK, and PRESCOTT, and Assistant Professor BROUGHTON.
25. **Old English Readings.** Second term, credit two hours. Prerequisite, first term of course 11. Assistant Professor MONROE.
32. **History of English Literature.** Throughout the year, credit two hours a term. Open to graduates, and to upperclassmen who have taken two full years of English. Professor STRUNK.
35. **Literary Biography.** Second term, credit two hours. Open to upperclassmen who have had two years of English. Assistant Professor SMITH.
37. **Shakespeare.** Throughout the year, credit three hours a term. Open to upperclassmen only. Professor STRUNK.
38. **Eighteenth Century Poetry.** Throughout the year, credit two hours a term. Open to upperclassmen only. Professor PRESCOTT and Assistant Professor MONROE.
39. **Eighteenth Century Prose.** Throughout the year, credit two hours a term. Open to upperclassmen only. Assistant Professor BROUGHTON.
41. **The English Drama to 1642.** Throughout the year, credit three hours a term. Open to upperclassmen only. Professor ADAMS.
42. **Elizabethan Prose.** First term, credit three hours. Open to upperclassmen only. Professor ADAMS.
43. **Elizabethan Poetry.** Second term, credit three hours. Open to upperclassmen only. Professor ADAMS.
44. **Shakespeare.** Throughout the year, credit three hours. Open to upperclassmen only. Professor ADAMS.
45. **Modern Novelists.** Throughout the year, credit two hours. Open only to upperclassmen who have passed twelve hours of work in English. Professor SAMPSON.
47. **The Art of Poetry.** First term, credit three hours. Open to upperclassmen only. Professor PRESCOTT.
- [48a. **American Literature.** First term, credit two hours. Open to seniors and graduates Professor PRESCOTT.] Not given in 1919-1920.
- 48b. **American Literature.** Second term, credit three hours. Open to seniors and graduates. Professor PRESCOTT.
49. **Pastoral Poetry.** Throughout the year, credit two hours a term. Open to upperclassmen and graduates. Assistant Professor BROUGHTON.
50. **Milton and Spenser.** Throughout the year, credit two hours a term. Open to upperclassmen and graduates.
52. **Victorian Literature.** Throughout the year, credit three hours a term. Open to upperclassmen and graduates. Professor NORTHUP.
- 56a. **Middle English Literature.** First term, credit three hours. Open to upperclassmen and graduates. Professor NORTHUP.
- 56b. **The Arthurian Legends.** Second term, credit two hours. Open to upperclassmen and graduates. Professor NORTHUP.
59. **Dramatic Structure.** Throughout the year, credit three hours a term. Open to seniors and graduates. Professor SAMPSON.
71. **English Translations of Greek and Latin Classics.** Throughout the year, credit three hours a term. Open to sophomores and upperclassmen. Professor COOPER.
72. **Principles of Literary Criticism.** Throughout the year, credit three hours a term. Open to seniors and graduates. Professor COOPER.
73. **Dante in English.** Throughout the year, credit two hours a term. Open to seniors and graduates. Professor COOPER.
74. **English Literary Types.** Throughout the year, credit three hours a term. Open to sophomores and upperclassmen. Professor COOPER.
- [75. **Methods and Materials in the Study of English.** Throughout the year, credit two hours a term. Open to graduates.] Not given in 1919-1920. To be given in 1920-1921.
76. **Chaucer.** Throughout the year, credit two hours a term. Open to graduates. Professor COOPER.
80. **Wordsworth and his Contemporaries.** For graduates only. Assistant Professor BROUGHTON.
81. **The Tudor-Stuart Drama.** For graduates only. Professor ADAMS.
82. **Pastoral Poetry.** For graduates only. Assistant Professor BROUGHTON.
83. **Early Middle English.** For graduates only. Assistant Professor MONROE.
84. **Problems and Methods in Elizabethan Research.** For graduates only. Professor ADAMS.

86. **Middle English Seminary.** For graduates only. Professor NORTHUP.
 87. **The Phonology, Inflections, and Metre of Old English.** For graduates only. Professor STRUNK.
 88. **American Literature.** For graduates only. Professor PRESCOTT.
 89. **The Drama.** For graduates only. Throughout the year. Professor SAMPSON.
 90. **The Georgian and Victorian Drama.** For graduates only. Professor NORTHUP.
 91. **The Sonnets of Shakespeare.** For graduates only. Throughout the year. Professor ADAMS.

PUBLIC SPEAKING

1. **Public Speaking.** Throughout the year, credit three hours a term. Professor WINANS, and Assistant Professors HUNT and MUCHMORE.
 1a. **Public Speaking.** Second term, credit three hours. Mr. ———.
 8. **Voice Training.** Repeated in second term, credit one hour. Assistant Professor MUCHMORE.
 8a. **Voice Training.** Second term, credit one hour. Prerequisite, course 8, and consent of instructor. Assistant Professor MUCHMORE.
 10. **Oral Reading.** Throughout the year, credit two hours a term. Assistant Professor MUCHMORE.
 12. **Argument and Debate.** Throughout the year, credit two hours a term. Assistant Professor HUNT.
 15. **Advanced Public Speaking.** Throughout the year, credit three hours a term. Prerequisite, four hours in other courses of this department, including two hours of 1, or 1a, and the consent of the instructor. Professor WINANS.
 [16. **Principles of Speech Preparation.** First term, credit two hours. Prerequisite, course 1. Professor WINANS.] Open to graduates and seniors. Not given in 1919-1920.
 20. **Seminary.** Throughout the year, credit two hours a term.
 29. **Oral Expression for Architects.** First term, credit three hours. (See Announcement of the College of Architecture.)

PHILOSOPHY

1. **Problems of Philosophy.** First term, credit three hours. Professor THILLY.
 2. **Logic.** First term, credit three hours. Mr. PAINE.
 3. **Logic.** Second term, credit three hours. Professor CREIGHTON.
 4. **The Fine Arts: Their Philosophy and History in Outline.** First term, credit three hours. Professor HAMMOND.
 4a. **The Renaissance.** Second term, credit three hours. Professor HAMMOND.
 5. **History of Philosophy.** Throughout the year, credit three hours a term. Professor CREIGHTON. Open to juniors, seniors, and graduates.
 5a. **Supplement to 5.** For honor students and others who have the necessary qualifications. Two hours. Professor CREIGHTON.
 6. **Moral Ideas and Practice.** Second term, credit three hours. Professor THILLY.
 7. **Ethics.** First term, credit three hours. Professor THILLY.
 7a. **Social and Political Ethics, and the Philosophical Theory of the State.** Second term, credit three hours. Professor THILLY. Open to juniors, seniors, and graduates.
 9. **Philosophical Ideas in Nineteenth Century Literature.** First term, credit three hours. Professor ALBEE.
 9a. **Schopenhauer and Nietzsche.** Second term, credit two hours. Professor ALBEE. Primarily for juniors and seniors.
 11. **Philosophical Results and Applications.** Second term, credit one hour. Open to all students who have taken at least one course in philosophy. Professor CREIGHTON.
 12. **The Theory of Evolution: Its History and Significance.** Throughout the year, credit one hour a term. Mr. PAINE. Intended primarily for undergraduates.
 13. **Origin and Development of Religious Ideas.** First term, credit two hours. Mr. PAINE.
 14. **Psychology and Philosophy of Religion.** Second term, credit two hours. Mr. PAINE.
 16. **Reading of Philosophical German.** Throughout the year, credit two hours a term.
 17. **Sources of Ancient and Medieval Philosophy.** Second term, credit two hours. Professor HAMMOND. Primarily for graduates, and open to seniors only by special permission.
 18. **Types of Metaphysical Theory.** First term, credit two hours. Prerequisite, courses 1 and 5, or the equivalent. Professor CREIGHTON.
 [19. **The Development of Modern Philosophical Problems.** Professor CREIGHTON.] Not given in 1919-1920.
 20. **History of Ethics, Ancient, Medieval, and Renaissance.** First term, credit two hours. Professor HAMMOND. Primarily for seniors and graduates.
 21. **History of Modern Ethics.** Second term, credit two hours. Professor ALBEE. Primarily for seniors and graduates.

26. **The Problems of Ethics.** Throughout the year, credit three hours a term. Professor THILLY. Open to qualified seniors and graduates.
27. **The Republic of Plato.** Throughout the year, credit three hours a term. Professor HAMMOND.
- [29. **Modern Idealistic Theories of Ethics.** Throughout the year, credit three hours a term. Professor THILLY.] Primarily for graduates. Not given in 1919-1920.
30. **Empiricism and Rationalism.** First term, credit three hours. Professor ALBEE. Primarily for graduates.
31. **The Critical Philosophy of Kant.** Second term, credit three hours. Professor ALBEE. Primarily for graduates.
32. **Early Rationalism: Spinoza and Leibniz.** Second term, credit two hours. Professor ALBEE. Primarily for graduates.
33. **The Philosophy of Bergson.** First term, credit two hours. Professor ALBEE. Primarily for seniors and graduates.
- [34. **Logical Theory.** Throughout the year, credit two hours a term. Professor ALBEE. Primarily for graduates.] Not given in 1919-1920.
- [35. **Problems and Methods of Recent Philosophy.** Throughout the year, credit two hours a term. Professor ALBEE. Primarily for graduates.] Not given in 1919-1920.
37. **Seminary in Ethics.** Throughout the year, credit two hours a term. Professor THILLY.
38. **Seminary in Ancient and Medieval Philosophy.** Throughout the year, credit two hours a term. Professor HAMMOND.
40. **Seminary in Logic and Metaphysics.** Professor CREIGHTON and Mr. PAINE.
41. **Seminary in Aesthetics.** Throughout the year, credit two hours a term. Professor HAMMOND. Open to seniors by permission.

PSYCHOLOGY

1. **Elementary Psychology.** First term, credit three hours. Professor TITCHENER, Assistant Professor WELD and assistants. Not open to juniors or seniors; primarily for sophomores in the College of Arts and Sciences.
- 1a. **Elementary Psychology.** First term, credit three hours. Open to juniors and seniors.
- 1b. **Elementary Psychology.** Second term, credit three hours. Open to juniors and seniors.
2. **General Psychology: Problems and Points of View.** Second term, credit three hours. Prerequisite, course 1, 1a, or 1b. Assistant Professor WELD.
3. **Experimental Psychology: Qualitative.** Repeated in second term, credit three hours. Prerequisite, course 1, 1a, or 1b. Assistant Professor WELD and assistants.
4. **Experimental Psychology: Quantitative.** Repeated in second term, credit three hours. Prerequisite, courses 1, 1a, or 1b, and 3. Assistant Professor WELD and assistants.
5. **Systematic Psychology: Sensation, Image.** First term, credit three hours. Prerequisite, course 3, or by special permission, course 2. Assistant Professor WELD and assistant.
- [5a. **Systematic Psychology: Perception, Idea.** First term, credit three hours.] Not given in 1919-1920.
6. **Systematic Psychology: Feeling, Attention, Action.** Second term, credit three hours. Prerequisite, course 3, or by special permission, course 2.
- [6a. **Systematic Psychology: Memory, Imagination, and Thought; Emotion and Volition.**] Second term, credit three hours. Not given in 1919-1920.
7. **Reading of German Psychology.** First term, credit one hour. Assistant Professor WELD.
8. **Reading of French Psychology.** Second term, credit one hour.
9. **Psychological Problems.** Throughout the year, credit one to five hours a term. Prerequisite, course 4. Assistant Professor WELD and assistants.
(For particulars of graduate work see the Announcement of the Graduate School.)

EDUCATION

Psychology 1, 1a, or 1b is prerequisite to all courses in Education.

1. **Educational Psychology.** Second term, credit three hours. Professor OGDEN and assistant.
2. **Principles of Education.** First term, credit three hours. Professor OGDEN. Prerequisite, Education 1.
3. **History of Education.** Second term, credit three hours. Prerequisite, Education 1.
4. **High School Teachers and Teaching.** Second term, credit two hours. Professor BRISTOL. For seniors only.
5. **Philosophy of Education.** Second term, credit three hours. Professor OGDEN. Prerequisite, Education 1, and at least one course in philosophy.
6. **Experimental Education.** Second term, credit two hours. Prerequisite, Education 1 and Psychology 3.
7. **Mental Tests.** First term, credit two hours. Mr. HOISINGTON. Prerequisite, Education 1 and Psychology 3.

8. **Experimental Investigation.** Repeated in second term, credit and hours to be arranged. Professor OGDEN and assistant. Prerequisite, Education 6 or 7.
9. **Reading of German Educational Psychology.** First term, credit two hours. Professor OGDEN. Prerequisite, Education 1.
- [10. **Educational Method.** First term, credit two hours. Prerequisite, Education 1.] Not given in 1919-1920.
20. **Seminary in Education.** Throughout the year, credit two hours a term. Professor OGDEN. Prerequisite, Education 1.

HISTORY

1. **Greek and Roman History.** First term, credit three hours. Professor SCHMIDT.
2. **Greek and Roman History.** Second term, credit three hours. Professor SCHMIDT.
7. **Seminary in Greek and Roman History.** Throughout the year, credit two hours a term. Professor SCHMIDT. Open to graduates and qualified undergraduates.
- [11. **The Middle Ages.** First term, credit three hours. Professor BURR.] Not given in 1919-1920.
- [12. **The Renaissance and the Reformation.** Second term, credit three hours. Professor BURR.] Not given in 1919-1920.
- [14. **Medieval Life.** First term, credit one hour. Professor BURR.] Not given in 1919-1920.
- [15. **The Rise of Tolerance.** Throughout the year, credit two hours a term. Professor BURR.] Not given in 1919-1920.
- [16. **Canon Law.** Throughout the year, credit two hours a term. Professor BURR. Primarily for graduates, but open by permission to qualified seniors.] Not given in 1919-1920.
22. **History of Modern Europe.** Throughout the year, credit three hours a term. Professor BECKER.
23. **The French Revolution.** First term, credit two hours. Professor BECKER.
24. **The Napoleonic Era.** Second term, credit two hours. Professor BECKER.
28. **Seminary in Modern European History.** Throughout the year, credit two hours a term. Professor BECKER. Open to graduates and to properly prepared seniors.
31. **English History, 55 B. C. to 1603.** First term, credit three hours. Professor SWEET.
32. **English History, from 1603.** Second term, credit three hours. Professor SWEET.
- [33. **English Constitutional History to 1485.**] Not given in 1919-1920.
- [34. **England under the Tudors.**] Not given in 1919-1920.
- [35. **England under the Stuarts.**] Not given in 1919-1920.
37. **England since 1815.** First term, credit three hours. Professor SWEET.
51. **The British Empire in America, 1600-1783.** First term, credit three hours. Professor HULL.
52. **American History, 1783-1850.** First term, credit three hours. Professor HULL.
53. **American History, 1850-1914.** Second term, credit three hours. Professor BRETZ.
54. **Economic History of the Colonies, 1600 to 1800.** First term, credit three hours. Professor HULL.
55. **Economic History of the United States since 1800.** Second term, credit three hours. Professor HULL.
56. **Constitutional History of the United States since 1860.** First term, credit three hours. Professor BRETZ.
57. **American History, 1860-1875.** First term, credit two hours. Professor BRETZ.
58. **Foreign Relations of the United States, 1783-1914.** Second term, credit three hours. Prerequisite, course 52. Professor HULL.
60. **American History. Investigation of topics in a selected field.** Throughout the year, credit two hours a term. Professor BRETZ.
61. **Seminary.** Throughout the year, credit two hours a term. Professor HULL. For graduates and open to qualified seniors by permission.

POLITICAL SCIENCE

51. **Elementary Economics.** Throughout the year, credit three hours a term. Professor DAVENPORT, and Assistant Professor USHER.
52. **Elements of Economics.** Throughout the year, credit two hours a term. A special course for students in civil and mechanical engineering. Not open to students in other colleges.
- 53a. **Political Institutions.** First term, credit three hours. Professor ORTH and Assistant Professor SABY.
- 53b. **Comparative Politics.** Second term, credit three hours. Professor ORTH and Assistant Professor SABY.
- 54a. **Municipal Administration.** First term, credit three hours. Open to upperclassmen. Assistant Professor SABY.

54b. **State Administration.** Second term, credit three hours. Prerequisite, course 53a. Professor ORTH.

54c. **Municipal Problems.** Second term, credit three hours. Open to upperclassmen. Assistant Professor SABY.

55a. **Elementary Social Science.** First term, credit three hours. Course 51 should precede or be taken with this course. Professor WILLCOX.

55b. **Elementary Social Science.** Second term, credit three hours. Course 51 should precede or be taken with this course. Professor WILLCOX. Open to all who have taken at least one term of course 51.

56a. **Elements of Business Law.** First term, credit two hours. Professor ORTH. Open to upperclassmen in all colleges except Law.

56b. **Government Control of Industry.** Second term, credit three hours. Prerequisite, course 56a. Professor ORTH. Open to upperclassmen in all colleges except Law.

A scrutiny of the policy of governmental control of industry from the legal and political point of view, emphasis being laid on the development of the police power and its application to the regulation of corporations and private enterprises and the effect of the war upon the extension of governmental function.

Courses 56a and 56b are designed primarily to meet the needs of students who contemplate entering business and not the profession of law, and credit for these courses will not be given to Law students.

58a. **Elements of Accounting.** Repeated in second term, credit three hours. Prerequisite, course 51, or its equivalent. Professor ENGLISH.

58b. **Principles of Accounting.** Repeated in second term, credit three hours. Prerequisite, course 58a. Professor ENGLISH.

[59a. **Accounting Problems.** First term, credit three hours. Prerequisite, course 58b. Professor ENGLISH.] Not given in 1919-1920.

59b. **Cost Accounting.** Second term, credit three hours. Prerequisite, course 58b. Professor ENGLISH.

60. **The American Party System.** First term, credit two hours. Prerequisite, course 53a. Professor ORTH.

62. **Industrial Organization.** First term, credit two hours. Prerequisite, courses 51 and 58a; or 58a may be taken at the same time. Professor KIMBALL. Seniors and graduates; others by permission. (See I 12 Sibley College.)

63a. **Corporation Finance.** First term, credit three hours. Prerequisite, course 51. Professor YOUNG.

63b. **Monopoly and Competition.** Second term, credit three hours. Prerequisite, course 51. Professor YOUNG.

64. **Money and Banking.** Throughout the year, credit three hours a term. Prerequisite, course 51. Professor YOUNG.

65. **General Problems of Industrial History.** First term, credit three hours. Prerequisite, course 51, previously or concurrently. The course may also be taken by students who have had courses in English history. Assistant Professor USHER.

66a. **Labor Problems.** First term, credit three hours. Prerequisite, course 51 or 52.

70b. **Public Finance.** Second term, credit three hours. Prerequisite, course 51 or 52.

76a. **Elementary Statistics.** First term, credit three hours. Prerequisite, course 51. Professor WILLCOX.

76b. **Economic Statistics.** Second term, credit three hours. Prerequisite, course 51. Professor WILLCOX.

[78a. **International Law and Diplomacy.** First term, credit three hours. President SCHURMAN and Assistant Professor SABY.] Not given in 1919-1920.

[78b. **Constitutional Government.** Second term, credit three hours. Prerequisite, course 53a. Professor ORTH.] Not given in 1919-1920.

79a. **History of Political Thought.** First term, credit three hours. Assistant Professor SABY. For advanced students in Political Science.

79b. **Modern Political Thought.** Second term, credit three hours. Assistant Professor SABY. For advanced students in Political Science.

79c. **The Nature of the State.** Second term, credit two hours. Assistant Professor SABY. For advanced students in Political Science.

[80. **Commercial Policies and Imperialism.** First term, credit three hours. Prerequisite, course 51. Assistant Professor USHER.] Not given in 1919-1920.

81. **The History of Price Making and the Growth of Produce Exchanges.** Second term, credit three hours. Prerequisite, course 51, previously or concurrently; open by special permission to those who have had courses in European history. Assistant Professor USHER.

86b. **Public Revenues.** Second term, credit three hours. Professor DAVENPORT. Primarily for advanced students.

87a. **Principles of Economics.** First term, credit four hours. Professor DAVENPORT.

88. **Value and Distribution.** Throughout the year, credit three hours a term. Professor DAVENPORT.

90. **General Problems of Economic History.** Throughout the year, credit two hours a term. Assistant Professor USHER. Primarily for graduates.

91. **Research in Statistics.** Throughout the year, credit to be arranged. Professor WILLCOX.
92. **Research in Finance.** Throughout the year, credit two or three hours a term. Professor YOUNG.
93. **Research in Accounting.** Throughout the year, credit two or three hours a term. Assistant Professor ENGLISH.
94. **Research in Politics.** Throughout the year, credit one to three hours a term. Professor ORTH.
95. **Seminary in Political Science and Public Law.** Throughout the year, credit two hours a term. Professor ORTH. Open to especially qualified students by permission of the professor in charge.
99. **General Seminary.** Throughout the year. Conducted by members of the department. Open only to graduate students and departmental honor students in the senior year.
- Rural Economy.** (See Rural Economy in the Announcement of the College of Agriculture.)

BIBLIOGRAPHY

1. **Bibliography.** First term, credit two hours. Librarian AUSTEN.
2. **Bibliography.** Second term, credit two hours. Librarian AUSTEN.

MUSIC

The courses offered by the Department of Music are designed to afford to all students having sufficient native ability the opportunity to study music as a part of the college course. The aim is to make musical training contribute to liberal culture.

1. **Elementary.** Open to all students showing sufficient aptitude to pursue the subject with profit. Throughout the year, credit two hours a term. Professor DANN.
3. **Intermediate.** Open to students who have completed course 1 or who meet the requirements prescribed in course 1. Throughout the year, credit two hours a term. Professor DANN.
5. **Choral.** Open to any student possessing a voice of satisfactory quality and volume, who is qualified to sing the larger choral works to be given at the annual music festival in May. Throughout the year, credit one hour a term. Professor DANN.
7. **Advanced Choral.** Throughout the year, credit two hours a term. Professor DANN. Members of this class constitute the choir at the Sunday vesper service in Sage Chapel and form a part of the festival chorus.
10. **Harmony.** Prerequisite, course 1, or the equivalent. Throughout the year, credit two hours a term. Assistant Professor QUARLES.
12. **Advanced Harmony and Elementary Form.** Open to students who have completed course 10 and to others equally qualified. Throughout the year, credit two hours a term. Assistant Professor QUARLES.
14. **Applied Form and Composition.** Open to students who have completed course 12, and to others equally qualified. Throughout the year, credit two hours a term. Assistant Professor QUARLES. It is recommended that courses 14 and 16 be taken together.
16. **Counterpoint.** Open to students who have completed course 12, and to others equally qualified. Throughout the year, credit two hours a term. Assistant Professor QUARLES.
18. **History and Appreciation of Music.** No preliminary training required. Throughout the year, credit two hours a term. Assistant Professor QUARLES.

MATHEMATICS

1. **Solid Geometry.** Repeated in second term, credit three hours.
2. **Advanced Algebra.** Repeated in second term, credit five hours.
- 2 (E). **Advanced Algebra.** First term, credit three hours. Prerequisite, the entrance requirements in intermediate algebra.
3. **Plane Trigonometry.** Repeated in second term, credit three hours.
- 5, 6, 7, 8. **Analytic Geometry and Calculus.** Prerequisite, courses 1, 2, 3, or their equivalent. Designed primarily for students in the following colleges: 5, the College of Civil Engineering; 6, Sibley College; 7, the College of Arts and Sciences, including students in Chemistry; 8, the College of Architecture.
 - 5 (1). First term. Credit five hours.
 - 5 (2). A continuation of the work of 5 (1). Second term.
 - 6 (1). First term, credit six hours. Repeated in the second term.
 - 6 (2). A continuation of the work of 6 (1). Either term, credit six hours.
 - 7 (1). First term. Credit five hours.
 - 7 (2). A continuation of the work of 7 (1). Second term, credit five hours.
 8. Throughout the year, credit three hours a term.
- 5 (c). **Integral Calculus.** First term, credit three hours. Prerequisite, 5a, and 5b (Analytic Geometry and Differential Calculus as given in 1918-1919).
15. **Elementary Course in Higher Mathematics.** Throughout the year, credit two hours a term. Prerequisite, courses 1, 2, and 3, or their equivalent.

1. **Teachers' Course.** Throughout the year, credit three hours a term. Prerequisite, 5 which may be taken at the same time. Assistant Professor CRAIG.
2. **Theory of Numbers.** Second term, credit three hours. Assistant Professor RANUM. An elementary treatment of congruences and quadratic forms, including a discussion of the 12 groups involved.
3. **Theory of Equations.** Second term, credit three hours. Prerequisite, course 5. Professor SNYDER.
4. **Theory of Groups.** First term, credit three hours. Prerequisite, course 5, or its equivalent. Assistant Professor HURWITZ.
5. **Elementary Differential Equations.** Throughout the year, credit three hours a term. Prerequisite, course 5, or its equivalent. Assistant Professor GILLESPIE.
6. **Advanced Calculus.** Throughout the year, credit three hours a term. Prerequisite, 5, or its equivalent. Assistant Professor OWENS.
7. **Theory of Ordinary Differential Equations.** Throughout the year, credit three hours a term. Prerequisite, course 42 or the theory of functions of a complex variable. Assistant Professor CRAIG.
8. **Calculus of Variations.** Throughout the year, credit three hours a term. Prerequisite, 5 41 and 42. Assistant Professor GILLESPIE.
9. **Projective Geometry.** Throughout the year, credit three hours a term. Prerequisite, 5, or its equivalent. Assistant Professor CARVER.
10. **Advanced Analytic Geometry.** Throughout the year, credit three hours a term. Prerequisite, course 5, or its equivalent. Dr. H. B. OWENS.
11. **Algebraic Curves.** Throughout the year, credit three hours a term. Prerequisite, 5 61 and 62. Professor SNYDER.
12. **Non-euclidean Geometry.** First term, credit three hours. Prerequisite, course 61. Assistant Professor RANUM.
13. **Introduction to the Mathematics of Finance.** First term, credit two hours. Repeated second term. Professor TANNER.
14. **Theory of Probabilities.** Throughout the year, credit three hours a term. Professor McMAHON.
15. **Introduction to Actuarial Science.** Throughout the year, credit three hours a term. Prerequisite, courses 7, 82 and 83, or equivalents. Professor McMAHON.
16. **Theoretical Mechanics.** Throughout the year, credit three hours a term. Prerequisite, course 5, Physics 8 and 14, or equivalents. Physics 23 or Sibley M5, and Mathematics 41 should be taken simultaneously, if not offered as prerequisites. Assistant Professor OWENS.
17. **Vector Analysis.** Second term, credit three hours. Prerequisite, course 5, or its equivalent. Assistant Professor HURWITZ.
18. **Fourier Series and the Potential Function.** Throughout the year, credit two hours a term. Prerequisite, course 5. Professor SHARPE.

PHYSICS

pecial four-year course in Physics. Attention is called to a special four-year course in physics arranged for students who intend to follow physics as a profession, either in educational or in technical physics in industry and in government laboratories. Entrance physics is not accepted as an equivalent of any of the following courses.

Introductory Experimental Physics. Repeated in second term, credit four hours. Prerequisite, students in Arts. Professors MERRITT and GIBBS.

Introductory Experimental Physics. Repeated in second term, credit five hours. Professors MERRITT and GIBBS, Assistant Professor HOWE, and Messrs. BAYLEY, COLLINS, CURTIS, PIERCE, SCOTT, WILBER, and Miss ROTHWELL. Required of candidates for B.Chem., C.E., and D.V.M.

Introductory Experimental Physics. Repeated in second term, credit six hours. Prerequisite, students in mechanical and electrical engineering. Professors MERRITT and GIBBS.

1. **General Physics.** First term, credit three hours. Primarily for students in Arts and Sciences. Prerequisite, Physics 1 and 10 or 2, or the equivalent. Professor GIBBS.

2. **General Physics.** Second term, credit three hours. Primarily for students in Arts and Sciences. Prerequisite, Physics 1 and 10, or Physics 2 or the equivalent. Professor GIBBS.

General Physics. Second term, credit three hours. Primarily for students in Civil Engineering. Prerequisite, Physics 2. Mr. BAYLEY.

3. **Heat and Light.** First term, credit two hours. Primarily for students in chemistry. Prerequisite, Physics 2, and Mathematics 7 (1). Assistant Professor BIDWELL and assistants.

4. **Magnetism and Electricity.** Second term, credit two hours. Theory and problems. Required of candidates for B.Chem. Prerequisite, Physics 2, 8c, 2 hours of Physics 14, and Mathematics 7 (2). Two additional hours of Physics 14 must be taken with 9c. Assistant Professor BIDWELL and assistant.

5. **Introductory Physical Experiments.** Either term, two hours. An elective course strongly recommended for students taking Physics 1. Assistant Professor HOWE, Mr. BAYLEY and Miss WHITE.

6. **Mechanics, Heat, and Electricity.** First term, repeated second term, credit four hours. Primarily for students in Mechanical and Electrical Engineering. Prerequisite, Physics 3, and Mathematics 6 (2). Assistant Professor BIDWELL and other members of the staff.

12. **Physical Measurements.** Either term, or throughout the year, credit two to four hours a term. Primarily for students in Arts. Prerequisite, calculus, and at least eight hours of physics, taken from preceding courses, or six hours of physics, if Physics 4 be taken simultaneously. Professor RICHTMYER and Assistant Professor BIDWELL. Students electing two hours of University credit take one 2½-hour period a week.

14. **Physical Measurements.** Either term or throughout the year, credit one to four hours a term. Primarily for candidates for B.Chem., C.E., and M.E. Prerequisite, analytic geometry and the calculus, and at least seven hours of physics taken from preceding courses, or Physics 3, if Physics 11 be taken in parallel, or the equivalent. Assistant Professor BIDWELL, Mr. HYATT, and others.

15. **Special Laboratory Work.** For undergraduates under direction of any member of the staff. Prerequisite, Physics 12 or 14. For students prepared to devote at least one term to a single problem.

18. **Theory and Practice of Photography.** Repeated in second term, credit two hours. Prerequisite, Physics 2, and Chemistry 1, or their equivalent. Mr. RODGERS.

19. **Scientific Photography.** Repeated in second term, credit one to four hours. Special reference to its application to problems of research. Prerequisite, Physics 12, or 14 and 18, and Chemistry 1. Mr. RODGERS.

20. **Heat.** Second term, credit four hours. Prerequisite, Physics 4a, 4b, and 12 (2 hours), or the equivalent. Assistant Professor MURDOCK.

[21. **Light.** Second term, credit four hours. Prerequisite, Physics 4b and 12 (2 hours), or the equivalent. Assistant Professor MURDOCK.] Not given in 1919-1920.

22a. **Electricity and Magnetism.** First term, credit five hours. Prerequisite, Physics 4a, 4b and 12 (4 hours), or the equivalent. Assistant Professor MURDOCK.

22b. **Electricity and Magnetism.** Second term, credit two hours. Prerequisite, Physics 22a. Assistant Professor MURDOCK.

[23. **Properties of Matter.** First term, credit five hours. Prerequisite, Physics 4a, 4b, and 12 (2 hours), or the equivalent. Assistant Professor MURDOCK.] Not given in 1919-1920.

[24. **Wave Motion and Sound.** Second term, credit two hours. Prerequisite, Physics 23. Assistant Professor MURDOCK.] Not given in 1919-1920.

25. **Advanced Laboratory Practice.** Either term or throughout the year, credit one to three hours a term. Prerequisite, Physics 12 (4 hours), or the equivalent. Assistant Professor MURDOCK.

26. **Theory of Measurements.** First term, credit one hour. Prerequisite, Physics 12 (4 hours), or the equivalent. Assistant Professor MURDOCK.

[27. **Photometry and Spectrophotometry.** First term, credit three hours. Prerequisite, Physics 12, or the equivalent. Professor RICHTMYER.] Not given in 1919-1920.

29. **High Temperature Measurements.** Second term, credit three hours. Prerequisite, Physics 12, or 14. Primarily for juniors and seniors specializing in physics. Assistant Professor BIDWELL.

33. **Alternating Currents.** Second term, credit two hours. Prerequisite, course 12, or 14. Professor BEDELL.

34. **Electrical Laboratory.** Either term or throughout the year, credit as arranged. Prerequisite, course 12, or 14. Professor BEDELL and others.

37. **Theses in Applied Electricity.** Second term, or throughout the year, credit two to eight hours a term. Prerequisite, course 12, or 14. Professor BEDELL.

38. **Aerodynamics and the Mechanics of Flight.** First term, credit two hours. Prerequisite, Physics 14. Professor BEDELL.

40. **Recent Advances in Experimental Physics.** Throughout the year, credit one hour a term. Professor MERRITT.

40a. **Electric Waves and Oscillations.** Second term, laboratory, credit one to four hours. Professor MERRITT. Prerequisite, ordinarily course 14, and one term of course 40, or their equivalent.

42. **Spectroscopy and Luminescence.** Throughout the year, credit two hours a term. Prerequisite, Physics 21, or its equivalent. Professor GIBBS.

44. **X-Ray Photography.** Second term, credit two hours. Prerequisite, courses 2 and 10, and a knowledge of ordinary photography. Professor SHEARER.

45. **Advanced X-Ray Laboratory.** Either term. Professor SHEARER. Open to students who have completed course 44.

47. **Radioactivity and Allied Phenomena.** Throughout the year, credit three hours a term. Professor SHEARER.

48. **Physical Optics.** First term, three hours a week, as arranged. A mathematical treatment based on Drude's "Theory of Optics." Assistant Professor HOWE.

50. **Physics Seminary.** Throughout the year, credit two hours a term. Professor MERRITT.

50b. **Junior Physics Seminary.** Throughout the year, credit one hour a term. Professor RICHTMYER and Mr. MURDOCK.

51. **Theoretical Physics.** Throughout the year, credit four hours a term. Mechanics and thermodynamics. Professor MERRITT. Primarily for graduates.

[52. **Theoretical Physics.** Throughout the year, credit four hours a term. Electricity and Magnetism. Professor MERRITT.] Primarily for graduates. Not given in 1919-1920.

54. **Thermodynamics.** Throughout the year, credit two or three hours a term. Prerequisite, courses 2, 7, or 10 and 14. Physics 20 is advised, though not required, as a preliminary course. Professor TREVOR.

[57. **Introduction to Modern Physical Theories.** Second term, credit two hours. Intended primarily for seniors (or first year graduate students) specializing in physics, but open to others who have the necessary preparation. Professor RICHTMYER.] Not given in 1919-1920.

CHEMISTRY

INTRODUCTORY INORGANIC CHEMISTRY

1. **Introductory Inorganic Chemistry.** Repeated in second term, credit six hours. Professor BROWNE and Mr. GRIFFIN.

1b. Recitations (one hour a week to be arranged). Laboratory, Messrs. MARTIN, HEMP-HILL, BULL, FLINT, and LANG.

ANALYTICAL CHEMISTRY

6. **Qualitative and Quantitative Analysis.** Repeated in second term, credit five hours. Prerequisite, course 1. Mr. RIDER, and Messrs. BRANDES and BARRETT.

7. **Qualitative Analysis.** Repeated in second term, credit six hours. Prerequisite, course 1. Mr. RIDER and assistant.

[9. **Advanced Qualitative Analysis.** Repeated in second term, credit one, two, or three hours. Prerequisite, courses 7, 12, and 30. Mr. RIDER.] For graduates and advanced undergraduates. Not given in 1919-1920.

12. **Quantitative Analysis, Elementary Course.** Repeated in second term, credit six hours. Prerequisite, course 6 (or preferably 7). Mr. NICHOLS and assistants.

14. **Quantitative Analysis, Advanced Course.** Repeated in second term, credit two to four hours. Prerequisite, course 6 (or 7 and 12). Mr. NICHOLS and assistants.

15. **Quantitative Analysis, Advanced Lectures.** Second term, credit two hours. Prerequisite, course 6 (or 7 and 12). Mr. NICHOLS.

16. **Electrochemical Analysis.** Repeated in second term, credit one to two hours. Prerequisite, course 6 (or 7 and 12). Mr. NICHOLS and Mr. NILL.

18. **Assaying.** First term, credit three hours. Prerequisite, course 6 (or 7 and 12), and if possible a course in mineralogy.

19. **Qualitative and Quantitative Gas Analysis.** Repeated second term, credit two hours. Prerequisite, course 6 (or 7), and Physics 2. Course 19 should be preceded or accompanied by course 12.

20. **Technical Gas Analysis.** Repeated second term, credit two hours. Open to those who are taking or have taken course 19. Messrs. WINTRINGHAM and WOODWARD.

21. **Gas Analysis, Advanced Course.** Second term, credit one or more hours. Prerequisite, courses 19 and 20.

24. **Opticochemical Methods.** Second term, credit three hours. Prerequisite, course 6 (or 7 and 12), and Physics 2 and 10.

25. **Advanced Spectroscopy and Radioactivity.** Repeated in the second term, credit, two three, or four hours. Open only to seniors and graduate students.

ORGANIC CHEMISTRY

30. **Organic Chemistry.** Throughout the year, credit six hours a term. Prerequisite, course 6 (or 7 and 12). Open to those who are taking course 12. Professor ORNDORFF and Messrs. JACKSON, CORNWELL, BEDIENT, and SCHMUTZ.

31. **Organic Chemistry.** Throughout the year, credit three hours a term. Prerequisite, course 6 (or 7 and 12). Open to those who are taking course 12. Professor ORNDORFF and Mr. BEDIENT.

32. **Elementary Organic Chemistry.** First term, credit with laboratory, four hours; lectures only, three hours. Prerequisite, course 6 (or 7 and 12). Open to those who are taking course 12. Mr. JACKSON, and Messrs. CORNWELL, BEDIENT, and SCHMUTZ.

33. **Special Chapters in Organic Chemistry.** Throughout the year, credit two hours a term. Prerequisite, course 30. Professor ORNDORFF and assistant.

34. **Advanced Organic Chemistry.** Throughout the year, credit two to six hours a term. Laboratory practice. Open to those who have had or are taking course 33. Professor ORNDORFF, Mr. JACKSON and Mr. CORNWELL.

35. **The Coal Tar Dyestuffs.** First term, credit one hour. Open to those who have had course 30, and have had or are taking course 33. Professor ORNDORFF.

[36. **Stereochemistry.** First term, credit one hour. Prerequisite, course 30, or 31. Professor ORNDORFF.] Not given in 1919-1920.

37. **Methods of Organic Analysis.** Throughout the year, credit two to six hours a term. Prerequisite, course 30. Professor ORNDORFF and Mr. JACKSON.

38. **The Coal Tar Dyestuffs.** Throughout the year, credit two to four hours a term. Laboratory practice. Open to those who have had or are taking course 33. Professor ORNDORFF and Mr. JACKSON.

INORGANIC CHEMISTRY

46. **Advanced Inorganic Chemistry.** Throughout the year, credit two hours a term. Prerequisite, course 30. Open to those who have completed or are taking courses 50 and 51. Professor DENNIS and Mr. PAPISH.

47. **Advanced Inorganic Chemistry.** Either term, credit, two, three, or four hours. Laboratory practice. Prerequisite, course 30. Professors DENNIS and BROWNE and Mr. PAPISH.

48. **Selected Topics in Advanced Inorganic Chemistry.** Throughout the year, credit two hours a term. Prerequisite, course 30. Courses 50 and 51 should precede or accompany this course. Professor BROWNE.

[49. **Chemistry of Gases.** First term, credit one hour. Prerequisite, course 6 (or 7 and 12), and should be preceded or accompanied by courses 19 and 20.] Not given in 1919-1920.

PHYSICAL CHEMISTRY

50. **Introductory Physical Chemistry.** Throughout the year, credit three hours a term. Prerequisite, course 30 or 32, and Physics 2 and 10. Assistant Professor BRIGGS and Mr. MCKINNEY.

51. **Physical Chemistry Laboratory.** Throughout the year, credit three hours a term. Open only to those who have taken or are taking course 50. Assistant Professor BRIGGS, Mr. MCKINNEY and others.

[52. **Advanced Physical Chemistry.** Throughout the year, credit three hours a term. Prerequisite, course 50.] Not given in 1919-1920.

53. **Applied Colloid Chemistry.** Throughout the year, credit two hours a term. Assistant Professor BRIGGS.

[55. **Theoretical Electrochemistry.** Throughout the year, credit three hours a term.] Not given in 1919-1920.

56a. **Applied Electrochemistry.** Throughout the year, credit two hours a term. Prerequisite, course 50. Assistant Professor BRIGGS and Mr. HOEL. It is advisable but not obligatory to take 56b along with this course.

56b. **Applied Electrochemistry.** Throughout the year, credit two hours a term. Open to those who have had courses 50 and 51, and have taken or are taking course 56a. Assistant Professor BRIGGS and Mr. HOEL.

57. **Advanced Laboratory Practice.** Either term or throughout the year, credit up to six hours a term. Prerequisite courses determined in each case by the professor in charge. Assistant Professor BRIGGS, and Messrs. HOEL and MCKINNEY.

CHEMICAL MICROSCOPY

65. **Elementary Chemical Microscopy.** Repeated second term, credit two hours. Prerequisite, course 6 (or 7 and 12). Professor CHAMOT and Miss WRIGHT.

66. **Advanced Chemical Microscopy.** Repeated second term, credit two, three, or four hours. Prerequisite, course 65. Professor CHAMOT and Miss WRIGHT.

[66a. **Advanced Chemical Microscopy.** Repeated second term, credit two hours. Prerequisite, course 65. Professor CHAMOT.] Not given in 1919-1920.

67. **Microscopy of Commercial Alloys.** Second term, credit two or three hours. Prerequisite, course 65. Professor CHAMOT and Miss WRIGHT.

68. **Microscopy of Foods and Beverages.** First term, credit two hours. Prerequisite, course 65. Professor CHAMOT and Miss WRIGHT.

SANITARY CHEMISTRY

70. **Elementary Sanitary Chemistry.** First term, credit four hours. Prerequisite, course 30, or 32. Mr. GEORGIA and Mr. KENNEDY.

71. **Elementary Sanitary Chemistry.** Second term, credit four hours. Prerequisite, course 30, or 32. Mr. GEORGIA and Mr. KENNEDY.

72. **Chemistry of Foods and Food Products.** Second term, credit two hours. Prerequisite, course 30, or 32. Professor CAVANAUGH.

[75. **Advanced Sanitary Chemistry.** First term, credit two hours. Prerequisite, course 71, both lectures and laboratory. Mr. GEORGIA.] Not given in 1919-1920.

76. **Special Topics in Sanitary Chemistry.** Second term, credit two hours. Prerequisite, course 70, or 71. Mr. GEORGIA.

78. **Advanced Sanitary Chemistry.** Either term, credit two or more hours. Prerequisite, course 70, or 71, both lectures and laboratory. Mr. GEORGIA and Mr. KENNEDY.

SEMINARY

95. **Seminary.** Credit one hour. For seniors who are candidates for the degree of Bachelor of Chemistry.

RESEARCH

96. **Research for Undergraduate Students.** Throughout the year. Seniors who are candidates for the degree of Bachelor of Chemistry are required to elect four hours a term in research under the direction of some member of the staff of instruction.

BOTANY

1. **Evolution of Plants.** First term, credit three hours. Professor ROWLEE and Mr. STORK.
2. **Elementary Plant Physiology and Ecology.** Second term, credit three hours. Professor ROWLEE and Mr. STORK.
3. **Local Flora.** Second term, credit three hours. Professor ROWLEE and Mr. DUNLAP.
- 4a. **Systematic Botany.** First term, credit three hours. Prerequisite, course 1 or 3. Professor ROWLEE and Mr. DUNLAP.
- 4b. **Systematic Botany.** Second term, credit three hours. Professor ROWLEE.
- 8a. **Plant Cytology.** First term, credit three hours. Prerequisite, courses 1 and 2. Professor ROWLEE and Mr. DUNLAP.
- 8b. **Comparative Histology of Plants.** Second term, credit three hours. Prerequisite, course 8a. Professor ROWLEE and Mr. DUNLAP.
- [9a. **Dendrology.** First term, credit four hours. Professor ROWLEE and assistant.] Open to graduates. Not given in 1919-1920.
- [9b. **Xylogy.** Second term, credit four hours. Courses 8b and 9a may advantageously precede this course. Professor ROWLEE and assistant.] Open to graduates. Not given in 1919-1920.
10. **Comparative Morphology and Embryology.** Second term, credit three hours. Prerequisite, courses 1 and 2, or 3. Mr. STORK. Open to graduates.
11. **Mycology.** First term, credit four hours. Prerequisite, courses 1, and either 2 or 3. Mr. STORK. Open to graduates.
- [12. **Taxonomy of the Pteridophytes, Bryophytes, and Algæ.** Throughout the year, credit three hours a term.] Open to graduates. Not given in 1919-1920.
17. **Research Problems.** Professor ROWLEE, Mr. STORK, and Mr. DUNLAP.
18. **Seminary.** Credit one hour. Professor ROWLEE, Mr. STORK and Mr. DUNLAP.

BIOLOGY

1. **General Biology.** Throughout the year, credit three hours a term. Professor NEEDHAM, Assistant Professor CLAASSEN, and assistants.

ENTOMOLOGY, LIMNOLOGY, AND NATURE STUDY

The work of this department is continued during the summer. (For the third summer term of twelve weeks, see the Announcement of the College of Agriculture.)

INTRODUCTORY ENTOMOLOGY

2. **The Ecology of Insects.** Third term, credit three hours. Professor NEEDHAM and assistant.
 3. **General Entomology.** First term, credit three hours. Prerequisite, course 1, or Zoology I. Professor HERRICK, Mr. DETWILER and others. Laboratory fee, \$1.50.
 4. **Elementary Morphology of Insects.** Either term, credit three hours. Professor JOHANNSEN, Mr. WELLHOUSE and Miss EDMONSON. Fee \$2. (See note under course 5.)
 5. **Elementary Systematic Entomology.** Either term, credit two hours. Prerequisite, course 4. Assistant Professor BRADLEY, Mr. WELLHOUSE and Miss EDMONSON. Laboratory fee, \$2.
- Courses 4 and 5 are introductory laboratory courses, required of all students who plan to take advanced work in entomology. The work is individual, and both courses may be taken in one term.

SYSTEMATIC ENTOMOLOGY

10. **Entomotaxy.** Third term, credit two or three hours. Prerequisite, course 4, which should be accompanied by course 5. Assistant Professor BRADLEY and assistant.] Not given in 1919-1920.
11. **Advanced Systematic Entomology.** First term, credit three or more hours. Prerequisite, course 5. Professor JOHANNSEN and assistant.
12. **Taxonomy of Insects.** Throughout the year, credit four hours a term. Prerequisite, courses 3, 4, 5, 11, 14, and 20, and preferably 10. Professors NEEDHAM and JOHANNSEN, Assistant Professors BRADLEY and MATHESON, and cooperating specialists.
- G. **Hymenoptera.** Summer term 1919. Assistant Professor BRADLEY.
- D. **Lepidoptera.** First term 1919-20. Dr. FORBES.
- H. **Orthoptera.** Second term 1919-20. Professor JOHANNSEN.
- F. **Neuroptera.** Third term 1919-20. Professors NEEDHAM and BETTEN and Mr. LLOYD.
- [I. **Coleoptera.** First term 1920-21. Assistant Professor BRADLEY.]
- [A. **Heteroptera, Physopoda, Mallophaga.** Second term, 1920-21. Professor JOHANNSEN.
- [B. **Homoptera.** Third term 1920-21.]
- [E. **Diptera.** First term, 1921-22.]

This course will continue throughout a number of terms, but the work of each term may be elected independently. The course is intended primarily for graduate students who desire a systematic survey of one or more of the orders of insects. Laboratory fee \$4.50.

- [13. **Classification of the Coccidiæ.** First term, credit two hours. Prerequisite, courses 4, 5, and 11. Assistant Professor BRADLEY.] Not given in 1919-1920. Laboratory fee, \$3.
- [14. **Entomological Literature and its Technics.** First term, credit three hours. Prerequisite, course 3 or 5, or Zoology 5. Assistant Professor BRADLEY.] Not given in 1919-1920.
19. **Research in Systematic Entomology.** Throughout the year, credit three or more hours a term. Prerequisite, courses 3, 10, 11, 14, 20, and one term of course 12. Assistant Professor BRADLEY, and Professors NEEDHAM and JOHANNSEN.

INSECT MORPHOLOGY

20. **Morphology and Development of Insects.** Throughout the year, credit two hours a term. Prerequisite, courses 3 (first term), 4, and 5. Professor JOHANNSEN.
21. **Histology of Insects.** Repeated in second term, credit three or more hours. Prerequisite, courses 3 (first term), 4, 5, and 20. Professor JOHANNSEN. Laboratory fee, \$1.50 a credit hour.
29. **Research in Morphology of Insects.** Throughout the year, credit three or more hours a term. Prerequisite, courses 3, 4, and 5. Professors JOHANNSEN and NEEDHAM. Laboratory fee, \$1.50 an hour.

PARASITOLOGY AND MEDICAL ENTOMOLOGY

30. **Parasites and Parasitism.** Second term, credit two hours. Must be preceded or accompanied by Zoology 1. Assistant Professor MATHESON and Mr. MEUSEBECK.
31. **The Relations of Insects to Disease.** First term, credit two hours. Prerequisite, course 3. Professor JOHANNSEN.

LIMNOLOGY

50. **General Limnology.** Second term, credit three hours. Open only to students who have taken or are taking Biology 1. Professor NEEDHAM and Dr. LLOYD. Laboratory fee, \$2.50.
59. **Research in Limnology.** Throughout the year, credit three or more hours a term. Prerequisite, course 50, or the equivalent. Professor NEEDHAM and Assistant Professor EMBODY.

NATURE STUDY

60. **Natural History.** Repeated in second term, credit one hour. Professor NEEDHAM, Mr. ALEXANDER, and assistants.
- Seminary.** Throughout the year.

ZOOLOGY

1. **General Zoology.** Throughout the year, credit three hours a term. Professor REED, Miss FISHER, Miss MEKEEL, and assistants. Laboratory fee, \$4 a term.
- 1a. **Elements of Zoology.** Second term, credit three hours. For veterinary students only. Laboratory fee, \$3.
2. **Morphology of Invertebrates.** Throughout the year, credit three hours a term. Professor REED and assistant. Prerequisite, course 1. Laboratory fee, \$3.50.
3. **Comparative Anatomy of Vertebrates.** Throughout the year, credit three hours a term. Professor REED and Mr. GAMBLE. Prerequisite, course 1, or 5. When possible this course should accompany course 4. Laboratory fee, \$3.50.
4. **Comparative Morphology and Phylogenesis of Vertebrates.** Throughout the year, credit two hours a term. Professor REED. Prerequisites, embryology (may accompany or precede), and one of courses 3, or 12, or medical human anatomy.
5. **Systematic Vertebrate Zoology and Ecology.** Throughout the year, credit three hours a term. Assistant Professor WRIGHT.
6. **Field Ornithology.** Second term, credit three hours. Assistant Professor ALLEN and Mr. LEISTER. Laboratory fee, \$2.
- [7. **Ichthyology. Advanced Systematic and Field Zoology.** Second term, credit three hours. Assistant Professor WRIGHT.] Not given in 1919-1920.
8. **Herpetology.** Second term, credit three hours. Assistant Professor WRIGHT.
- [9. **Advanced Ornithology.** First term, credit three hours. Prerequisite, course 6, or Zoology 5. Assistant Professor ALLEN.] Not given in 1919-1920. Laboratory fee, \$2.
- [10. **Mammalogy.** First term, credit three hours. Assistant Professor WRIGHT.] Not given in 1919-1920.
11. **Economic Ornithology and Mammalogy.** First term, credit three hours. Should be preceded by course 6 or Zoology 5; presupposes an elementary knowledge of botany and entomology. Assistant Professor ALLEN and Mr. LEISTER. Laboratory fee, \$2.
12. **Anatomy of the Cat.** Second term, credit three hours. Mr. GAMBLE. Laboratory fee, \$3.50.
13. **Special Problems and Research.** Throughout the year, credit from one to more hours. For seniors and graduates only.

14. **Seminary in Systematic Vertebrate Zoology.** Throughout the year, credit one hour a term. Assistant Professor WRIGHT.
15. **Department Conference.** Fortnightly throughout the year or at times to be announced. No credit. Required of major students in general zoology and animal morphology.

PHYSIOLOGY AND BIOCHEMISTRY

3. **Elementary Human Physiology.** Repeated in second term, credit three hours. Professor SIMPSON, Mr. BURLAGE, and assistants.
6. **Laboratory work in Physiology.** Repeated in second term, credit two or more hours. Professor SIMPSON, Mr. BURLAGE and assistants. May be taken after or along with course 3.
7. **Seminary.** Second term, credit one hour.
8. **Advanced Work and Research in Physiology.** Throughout the year. Professor SIMPSON and assistants.
9. **Hæmatology.** First term, credit two hours. Prerequisite, Human Physiology 3. Mr. BURLAGE.
14. **Elementary Biochemistry.** First term, credit three hours. Prerequisite, chemistry 32, or the equivalent. Assistant Professor SUMNER and Mr. BODANSKY.
(Courses 14 and 14a will not be accepted for the requirements of biochemistry in the Medical college.)
- 14a. **Laboratory Work in Biochemistry.** First term, credit two hours. Open to those who are taking or have taken course 14. Assistant Professor SUMNER and Mr. BODANSKY.
16. **Advanced Biochemistry Lectures.** Throughout the year, credit one hour a term. Assistant Professor SUMNER and Mr. BODANSKY.
17. **Special Chapters in Biochemistry.** First term, credit two hours. Assistant Professor SUMNER and Mr. BODANSKY.
18. **Biochemistry for Medical Students.** Second term, credit two hours. Prerequisite, Chemistry 32, or its equivalent. Assistant Professor SUMNER and Mr. BODANSKY.
- 18a. **Laboratory Work in Biochemistry.** Second term, credit three hours. Prerequisite, Chemistry 32. Assistant Professor SUMNER and Mr. BODANSKY.
20. **Advanced and Research work in Chemistry.** Throughout the year. Assistant Professor SUMNER.

ANATOMY

21. **Elementary Human Anatomy.** First term, credit three hours. Professor KERR and assistant.
22. **Anatomical Methods.** First term, credit three hours. Prerequisite, Zoology 1. Previous work in comparative anatomy is also recommended. Professor KERR and instructors.
23. **Physiological Anatomy of the Muscular System.** First term, credit three hours. For students of Physical Education. Professor KERR and assistant. Should be preceded by Biology 1 or Zoology 1, and preceded or accompanied by Physiology 3 and Anatomy 21.

HISTOLOGY AND EMBRYOLOGY

1. **The Tissues: Histology and Histogenesis.** First term, credit four hours. No prerequisite, but previous work in biology (zoology and botany) or physiology is recommended. Professor KINGSBURY and assistants.
2. **The Organs: Histology and Development.** Second term, credit four hours. Prerequisite, course 1, or the equivalent. Professor KINGSBURY and assistants.
3. **Special Histology and Technique.** First term, credit two hours. Prerequisite, courses 1 and 2, or 1 and 4, or the equivalent.
4. **Embryology of Vertebrates.** Second term, credit four hours. Prerequisite, course 1, or the equivalent. Professor KINGSBURY.
5. **The Nervous System and Organs of Special Sense: Histology and Development.** Second term, credit two hours. Prerequisite, course 1, or the equivalent. Professor KINGSBURY and assistant.
7. **Advanced Histology and Embryology.** Throughout the year, credit three or more hours a term. Prerequisite, courses 1, 2 and 3, or the equivalent. Professor KINGSBURY and assistant.
8. **Seminary.** Throughout the year, credit one hour. Prerequisite, courses 1 and 2, or 4; may be taken with course 3 or 7.

GEOLOGY

GENERAL GEOLOGY

1. **Elementary Geology.** Repeated in second term, credit three hours. Professor RIES, Mr. ELSTON and others.
- 1a. **Dynamic and Structural Geology.** Credit three hours. Prerequisite, course 1, or its equivalent.

PHYSICAL GEOGRAPHY

2. **Elementary Physical Geography.** Throughout the year, credit three hours a term. Assistant Professor VON ENGELN and assistants.

3. **Geography of North America.** Throughout the year, credit two hours a term. Prerequisite, an elementary knowledge of physical geography, the equivalent of course 2. Assistant Professor VON ENGELN.

[4. **Geography of Europe.** Alternates with course 3.] Not given in 1919-1920.

5. **Glaciers and Glaciation.** Second term, credit three hours. Prerequisite, course 2 or, with permission, course 1. Assistant Professor VON ENGELN.

6. **Commercial Geography.** First term, credit two hours. Assistant Professor VON ENGELN.

7. **Map Interpretation.** Second term, credit one hour. Prerequisite, Geology 1, or 2, or by special permission, their equivalent. Mr. ELSTON.

8. **Advanced Physiography, Experimental and Research work.** Throughout the year, credit variable. Assistant Professor VON ENGELN. Registration only by permission.

9. **Seminary.** Throughout the year, credit two hours a term. For upperclassmen and graduate students with requisite preparation. Registration only by permission. Assistant Professor VON ENGELN.

Meteorology and Climatology. (See Announcement of the College of Agriculture.)

MINERALOGY AND PETROGRAPHY

11. **Elementary Mineralogy.** Repeated in second term, credit three hours; if taken after course 12, credit two hours. Prerequisite, Chemistry 1. Professor GILL and Mr. BOWEN.

12. **Crystallography.** Repeated in second term, credit three hours; if taken after course 11, credit two hours. Prerequisite, Chemistry 6, or 7, and Physics 1. Professor GILL and Mr. BOWEN.

13. **Mineralogy.** Second term, credit three hours; if taken after course 11, credit two hours. Prerequisite, course 12. Professor GILL.

14. **Blowpipe Determination of Minerals.** First term, credit one hour. Prerequisite, course 11, or 13, and Chemistry 6, or 7. Professor GILL.

15. **General Lithology.** Second term, credit one hour. Prerequisite, courses 1 and 11. Professor GILL and Mr. BOWEN.

16. **Crystal Measurement and Drawing.** Second term, credit two hours. Prerequisite, course 12. Professor GILL.

17. **Optical Determination of Minerals.** First term, credit three hours. Prerequisite, course 13. Professor GILL.

18. **Petrography.** Second term, credit three hours. Prerequisite, course 17. Professor GILL.

19. **Seminary in Mineralogy and Crystallography.** Throughout the year, credit one hour a term. Prerequisite, courses 12, 13 and 17. Professor GILL.

20. **Advanced or Special Work in Mineralogy and Petrography.** Throughout the year. Prerequisite course dependent on nature of work. Professor GILL.

PALEONTOLOGY AND STRATIGRAPHIC GEOLOGY

21. **Historic Geology.** First term, credit three hours. Prerequisite, course 1, or its equivalent. A course in invertebrate zoology is also desirable. Professor HARRIS.

22. **General Stratigraphic Geology.** Throughout the year, credit three hours a term. Prerequisite, courses 1 and 21. Professor HARRIS.

23. **Geological Surveying.** Second term, credit two hours. Prerequisite, courses 1 and 21, or equivalents, and spherical trigonometry. Professor HARRIS.

24. **Invertebrate Paleontology.** Credit two hours each term. Prerequisite, a three-hour course in biology. Professor HARRIS.

25. **Special Geologic Problems and Research.** Prerequisites will depend largely on the nature of the problems attacked. Professor HARRIS.

ECONOMIC GEOLOGY

30. **Building Stones and Clay Products.** First term, credit two hours. Professor RIES and assistant.

31. **Engineering Geology.** Throughout the year, credit three hours a term. Professor RIES and assistant.

32. **General Economic Geology.** Throughout the year, credit three hours a term. For first term, prerequisite, course 1, or equivalent; second term, courses 1 and 11, or their equivalent. Professor RIES.

34. **Mining of Mineral Deposits.** Three hours a term.

35. **Clay Investigation.** Prerequisite, Geology 1 or 31, and Chemistry 1, or its equivalent. Professor RIES.

36. **Advanced or Special Work in Economic Geology.** Throughout the year. Prerequisite courses dependent on the nature of the work. Professor RIES.

MILITARY SCIENCE AND TACTICS

1. **Practical and Theoretical Training.** Throughout the year. Every able-bodied male student, a candidate for a baccalaureate degree, who is required to take five, six, seven, eight, or more terms in residence, must take in addition to the scholastic requirements for the degree, one, two, three, or four terms respectively in the Department of Military Science and Tactics. Three hours a week. See page 194.
2. **Elective Military Training.** Throughout the year, credit two hours a term. Prerequisite, course 1, or its equivalent.

PHYSICAL EDUCATION

In preparation for the courses described below, students should take in the first two years, Chemistry 1, Physics 2, Biology 1 or Botany, Zoology 1 or 5, Physiology 3 and Anatomy 21. Students intending to follow Physical Education as a profession, or who wish to meet the New York State requirements for teachers in physical training, should consult the Department.

20. **Principles of Physical Education.** Throughout the year, credit, two, three, or four hours a term. For juniors. Professor YOUNG and assistant.
21. **Hygiene, Personal and Public.** Repeated in second term, credit two hours. For juniors and seniors. Professors YOUNG, SIMPSON, CAVANAUGH, ROSE, OGDEN, and WILLCOX.
22. **Physical Inspection.** Second term, credit two hours. For juniors and seniors.
23. **Physiological Anatomy of the Muscular System.** First term, credit three hours. Professor KERR and assistant.
25. **Principles of Physical Education.** Throughout the year, credit two, three, or four hours a term. For seniors. Professor YOUNG and assistant.

Physical Training for Men

1. **For Freshmen Excused from Drill.** Throughout the year, three periods a week.
2. **For Sophomores Excused from Drill.** Throughout the year, three periods a week.
3. Boxing and Wrestling Instruction for small fee.
4. Swimming Instruction.

Physical Training for Women

4. **For Freshmen.** Throughout the year, three periods a week. Miss CANFIELD, Miss NEELY, and assistant.
5. **For Sophomores.** Throughout the year, three periods a week. Miss NEELY and assistant.

COLLEGE OF LAW

For detailed information concerning the work of the College of Law, candidates for admission to that college should consult the Announcement of the College of Law which will be sent gratis on application to the Secretary of the University.

FACULTY OF THE COLLEGE OF LAW

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President.
EDWIN HAMLIN WOODRUFF, LL.B., Dean of the Faculty and Professor of Law.
CHARLES TRACEY STAGG, LL.B., Professor of Law and Secretary of the College.
CHARLES KELLOGG BURDICK, A.B., LL.B., Professor of Law.
GEORGE GLEASON BOGERT, A.B., LL.B., Professor of Law.
OLIVER LEROY McCASKILL, Ph.B., J.D., Professor of Procedure.
CHARLES SAGER COLLIER, A.B., LL.B., Lecturer on Law.

WILLIAM MACOMBER, A.B., (of the Buffalo Bar, author of "The Fixed Law of Patents"), Lecturer on the Patent Laws of the United States.
JAMES WHITE PERSONS, LL.B., (Referee in Bankruptcy, Buffalo), Lecturer on the United States Bankruptcy Act.
JUDGE HARRINGTON PUTNAM, A.B., LL.D., (Justice of the New York Supreme Court, Brooklyn), Lecturer on the Law of Shipping and Admiralty.
LUCIUS WARD BANNISTER, A.B., LL.B., (of the Denver, Colo., Bar) Lecturer on Western Water Rights.

EDWARD ECKER WILLEVER, Librarian.

THE DEGREE OF BACHELOR OF LAWS

For admission to the College of Law, see page 45; for tuition in the College of Law, see page 52.

The undergraduate instruction for students in the College of Law leads to the degree LL.B., the requirement for which is the completion of one of the following curricula.

1. The curriculum of three years, designed for college graduates or for those who have completed at least two years of college work.
2. The curriculum of six years, leading to the degree of A.B. and LL.B.

Candidates for a degree in the three-year course must take during their first year three hours a week either in the Department of Military Science and Tactics or in the Department of Physical Training. Drill and physical training are not required of college graduates.

Admission to Advanced Standing

Any person entitled to enter the first year of the three-year law course, who has been in regular attendance for at least one academic year of not less than eight months at another law school having a three-year course for its degree, will be admitted to the second year class upon passing the examinations for advanced standing in the studies of the first year. The work of the second and third years must be pursued in actual residence.

Admission as Special Students

Applicants who are twenty-one years of age may, in the discretion of the Faculty, be admitted to the College as special students not candidates for a degree, provided they present the New York Regents' Law Student Certificate or a substantial equivalent. This privilege will be granted only upon written application specifying the age of the applicant and the amount of preparatory study or of previous law study, and accompanied, if practicable, with certificates from the preparatory school, law school, or attorney under whose direction such studies have been pursued. New York students will not be admitted as special students unless they present a Regents' Law Student Certificate. Applicants are advised to correspond with the Dean of the College before presenting themselves in person.

Admission of Students from Other Colleges of the University

Subject to the regulation of the college in which he is registered, and of the College of Law, a student from another college of the University may elect work in the College of Law; but he is not permitted to do so before the beginning of his junior year, except upon presentation of special reasons to the Dean of the Law Faculty. Work permitted to be taken in the College of Law may be counted toward the law degree.

For the admission of seniors from the College of Arts and Sciences, see page 110.

THE CURRICULUM OF THREE YEARS

First Year

- 1a. **Contract.** Four hours until the spring recess. Professor WOODRUFF.
- [Courses 1a and 1b constitute a continuous course and registration must be for the entire year.
- 1b. **Agency.** Four hours from the spring recess. Professor WOODRUFF.
2. **Torts (including Master and Servant).** Three hours.
3. **Criminal Law and Procedure.** First term, four hours. Professor BURDICK.
4. **Property I.** Three hours. Professor BOGERT.
5. **Common Law Pleading.** Second term, four hours. Professor McCASKILL.
6. **Brief Making.** One hour. Professor STAGG.

Second Year

20. **Property II.** Second term, one hour. Professor BOGERT.
- 20a. **Sales.** Second term, three hours. Professor BOGERT.
21. **Negotiable Paper.** Second term, three hours. Professor BURDICK.
22. **Probate Law.** First term, three hours. Professor STAGG.
23. **Equity Jurisdiction.** Three hours.
24. **Insurance.** Second term, two hours. Professor WOODRUFF.
25. **Domestic Relations and the Law of Persons.** First term, two hours. Professor WOODRUFF.
26. **Evidence.** First term, four hours. Professor McCASKILL.
28. **Code Pleading.** First term, three hours. Professor McCASKILL.
29. **Civil Procedure.** Second term, three hours. Professor STAGG.

Third Year

30. **Mortgages.** First term, two hours. Professor STAGG.
31. **Suretyship.** First term, two hours. Professor BURDICK.
32. **Law of Associations (Partnership and Private Corporations).** Two hours.
33. **Quasi-Contracts.** First term, two hours. Professor WOODRUFF.
34. **Law of Public Service and Carriers.** Second term, three hours. Professor BURDICK.
35. **Practice Court.** Second term, four hours. Professor McCASKILL.
36. **Constitutional Law.** Second term, three hours. Professor BURDICK.
37. **Civil Procedure.** First term, two hours. Professor STAGG.
38. **Property III.** First term, two hours. Professor BOGERT.
- 38a. **Trusts.** First term, two hours. Professor BOGERT.
40. **Public Officers and Municipal Corporations.** Second term, three hours. Professor STAGG.

CURRICULUM OF SIX YEARS IN ARTS AND SCIENCES AND LAW

Under the regulations of the College of Arts and Sciences a qualified senior may take all his work in the College of Law, receiving the degree of A.B. at the end of the year, and at the same time completing the work of the first year of the three-year law course in the College of Law. By two additional years of residence in the College of Law, he will be able to satisfy the requirements for the degree LL.B.

PRACTICE DEPARTMENT

The curriculum of the College of Law is not confined to instruction in the principles of substantive law and of pleading and evidence. So far as possible the student is trained to apply these principles to the more common problems met with in practice. In the first year the student receives instruction in legal bibliography, the use of authorities, the actual finding and collating of authorities, and the preparation of briefs upon elementary subjects. This is given in the classroom and by library practice. He is also instructed in the organization and jurisdiction of courts, state and federal, and the commencement of actions. An extended course in New York practice is given, and in it are pointed out the principles common to all jurisdictions. A course is also given in the practice of probate courts, and, in the last term of the senior year, a practical course in conveyancing.

CORNELL LAW QUARTERLY

This legal periodical, published by the Faculty and an Editorial Board of students of the College of Law, was established in 1915, and is issued in November, January, March, and May. The preparation by students of notes on recent cases for publication in the Quarterly affords valuable training in legal research and editorial work under the supervision of members of the Faculty.

SPECIAL COURSES OF LECTURES BEFORE THE COLLEGE OF LAW

ATTENDANCE REQUIRED OF JUNIORS AND SENIORS

The Federal Bankruptcy Act. Ten lectures. Mr. PERSONS.

Western Water Rights and Irrigation Law. Ten lectures. Mr. BANNISTER.

The Patent Laws of the United States. Six lectures. Mr. MACOMBER.

The Law of Shipping and Admiralty. Six lectures. Judge PUTNAM.

Each of the above courses is given in alternate years.

OTHER LECTURES

Provision is also made for single lectures to be given from time to time upon topics of immediate legal interest. The Frank Irvine lectureship, established in 1913 by the Conkling Chapter of Phi Delta Phi, provides for one or more lectures each year. Many lectures by nonresidents are also given each year under the auspices of the University or some of the other colleges, and are frequently of particular interest and value to students in the College of Law.

ELECTIVES IN THE COLLEGE OF ARTS AND SCIENCES

The College of Arts and Sciences offers instruction in a large number of subjects of particular value to the lawyer. Courses are thus provided on international law, Roman law, canon law, and on many general and special topics in history, government and administration, economics, and public speaking. These courses are open to law students, subject to the regulations of the College of Arts and Sciences and to the prior demands of the regular schedule of professional courses in the College of Law.

EXAMINATION AND CLASS STANDING

Examinations are held at the end of the term in the work of that term, and in September for the removal of conditions. The following grades are given upon examinations: A, excellent; B, good; C, fair; D, poor; Cond., failure to pass. AA may be given for a paper of exceptional excellence. A student failing for the first time to maintain the standard required for remaining in the College may, in the discretion of the faculty, be permitted to return the following year and repeat the entire work of the term during which the failure occurred; but a student who fails the second time will be permanently dropped. Detailed provisions with respect to examinations and class standing are stated in the Rules for the Guidance of Law Students issued on registration day of the first term.

For the Library of the College of Law, see page 180.

Certificate of Attendance. Each student who has been in regular attendance upon the College, whether entitled to a degree or not, may, on application to the Faculty, receive an official certificate of attendance, which states the time of his attendance, and, if desired, the measure of his attainments. The certificate of a year's satisfactory attendance, required by the New York Bar examiners, implies not only regular attendance upon but also the successful completion of the prescribed course of instruction for a full year (not less than ten hours a week).

SCHOLARSHIPS AND PRIZES

The **Boardman Senior Law Scholarship** and the **Fraser Scholarships** are awarded only to students in the College of Law. For these and for the various scholarships and prizes that are open to all students in Cornell University see pages 181-188.

THE MEDICAL COLLEGE

For detailed information concerning the work of the Medical College, candidates for admission to that college should consult the Announcement of the Medical College which will be sent gratis on application to the Secretary of Cornell Medical College, 477 First Avenue, New York City.

FACULTY OF MEDICINE IN NEW YORK CITY

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
WALTER L. NILES, M.D., Dean and Assistant Professor of Medicine.
JEREMIAH S. FERGUSON, B.S., M.S., M.D., Assistant Professor of Clinical Medicine, Department of Pediatrics, and Secretary of the Faculty.
FREDERIC S. DENNIS, A.B., M.D., F.R.C.S., Emeritus Professor of Clinical Surgery.
NEWTON M. SHAFFER, M.D., Emeritus Professor of Orthopaedic Surgery.
W. GILMAN THOMPSON, Ph.B., M.D., Emeritus Professor of Medicine.
GEORGE WOOLSEY, A.B., M.D., Professor of Clinical Surgery.
J. CLIFTON EDGAR, Ph.B., A.M., M.D., Professor of Obstetrics and Clinical Midwifery.
JAMES EWING, A.M., Sc.D., M.D., Professor of Pathology.
GRAHAM LUSK, Ph.D., Sc.D., F.R.S. (Edin.) Professor of Physiology.
FRANK SHERMAN MEARA, A.B., Ph.D., M.D., Professor of Therapeutics.
ROBERT ANTHONY HATCHER, Ph.G., M.D., Professor of Pharmacology and Materia Medica.
CHARLES R. STOCKARD, B.S., M.S., Ph.D., Professor of Anatomy.
LEWIS A. CONNER, Ph.B., M.D., Professor of Medicine.
WILLIAM J. ELSEY, M.D., Professor of Bacteriology.
STANLEY R. BENEDICT, Ph.D., Professor of Chemistry.
CHARLES L. GIBSON, A.B., M.D., Professor of Surgery.
JOHN A. HARTWELL, Ph.B., M.D., Associate Professor of Surgery and Professor of Clinical Surgery.
JOSEPH E. WINTERS, M.D., Emeritus Professor of Clinical Medicine, Department of Pediatrics.
CHARLES L. DANA, A.M., M.D., LL.D., Professor of Clinical Medicine, Department of Neurology.
GEORGE THOMSON ELLIOTT, A.B., M.D., Professor of Clinical Medicine, Department of Dermatology.
FREDERICK WHITING, A.M., M.D., Professor of Clinical Surgery, Department of Otolaryngology.
EDWARD L. KEYES, jr., A.B., Ph.D., M.D., Professor of Clinical Surgery, Department of Urology.
ROBERT G. REESE, Ph.G., M.D., Professor of Clinical Surgery, Department of Ophthalmology.
OTTO H. SCHULTZE, A.M., M.D., Professor of Medical Jurisprudence.
ALFRED S. TAYLOR, M.D., Professor of Clinical Surgery.
WILLIAM C. THRO, B.S., A.M., M.D., Professor of Clinical Pathology.
GEORGE G. WARD, jr., M.D., Professor of Clinical Surgery, Department of Gynecology.
ALEXANDER LAMBERT, A.B., Ph.B., M.D., Professor of Clinical Medicine.
CHARLES E. NAMMACK, Ph.B., M.D., LL.D., Professor of Clinical Medicine.

- IRVING S. HAYNES, Ph.B., M.D., D.Sc., Professor of Clinical Surgery.
WILLIAM B. COLEY, A.B., A.M., M.D., Professor of Clinical Surgery.
JOHN ROGERS, A.B., Ph.D., M.D., Professor of Clinical Surgery.
HARMON SMITH, A.B., M.D., Professor of Clinical Surgery, Department of Laryngology and Rhinology.
BURTON J. LEE, A.B., Ph.B., M.D., Professor of Clinical Surgery.
CHARLTON WALLACE, M.D., Professor of Clinical Surgery, Department of Orthopedic Surgery.
HOWARD LILIENTHAL, M.D., Professor of Clinical Surgery.
LEWIS G. COLE, M.D., Professor of Roentgenology.
JOHN C. TORREY, A.B., Ph.D., Professor of Hygiene.
GEORGE H. KIRBY, B.S., M.D., Professor of Clinical Medicine, Department of Psychiatry.
OSCAR M. SCHLOSS, A.M., M.D., Professor of Clinical Medicine, Department of Pediatrics.
ROBERT FOSTER KENNEDY, M.D., F.R.S. (Edin.), Associate Professor of Clinical Medicine, Department of Neurology.
EUGENE F. DUBOIS, M.D., Associate Professor of Medicine.
JAMES MORLEY HITZROT, A.B., M.D., Assistant Professor of Clinical Surgery, Department of Surgery.
J. F. GUDERNATSCH, Ph.D., M.D., Assistant Professor of Anatomy.
WILLIAM H. SHELDON, M.D., Assistant Professor of Clinical Medicine, Department of Medicine.
MALCOLM GOODRIDGE, M.D., Assistant Professor of Therapeutics.
PERCY R. TURNURE, A.M., M.D., Assistant Professor of Clinical Surgery.
CHARLES NORRIS, Ph.B., M.D., Assistant Professor of Pathological Anatomy.
HORACE W. FRINK, M.D., Assistant Professor of Neurology.
JOSEPH P. HOGUET, M.D., Assistant Professor of Clinical Surgery.
CARY EGGLESTON, M.D., Assistant Professor of Pharmacology.
ROBERT CHAMBERS, A.M., Ph.D., Assistant Professor of Anatomy.
JOHN C. A. GERSTER, M.D. Assistant Professor of Clinical Surgery.
CHARLES V. MORRILL, A.M., Ph.D., M.D. Assistant Professor of Anatomy.
NELLIS BARNES FOSTER, A.M., M.D., Assistant Professor of Medicine.
HENRY M. LYLE, Assistant Professor of Surgery.
HAROLD C. BAILEY, M.D., Instructor in Obstetrics.
DAVID P. BARR, A.B., M.D., Instructor in Medicine.
BENJAMIN S. BARRINGER, B.S., M.D., Instructor in Clinical Surgery, Department of Urology.
DAVID N. BARROWS, A.B., M.D., Instructor in Clinical Surgery, Department of Gynecology.
CHARLES G. BRINK, A.B., M.D., Instructor in Clinical Medicine.
KENNETH BULKLEY, M.D., Instructor in Clinical Surgery.
WALTER H. BRUNDAGE, M.D., Instructor in Medicine.
ETHAN F. BUTLER, M.D., Instructor in Military Surgery.
RUSSELL L. CECIL, M.D., Instructor in Medicine and Assistant in Clinical Pathology.
ARTHUR F. COCA, M.D., Instructor in Immunology.
PHEBE L. DUBOIS, M.D., Assistant in Clinical Medicine.
D. J. EDWARDS, Ph.D., Lecturer in Physiology.
ELISE S. L'ESPERANCE, M.D., Instructor in Pathology.

- LILLIAN K. P. FARRAR, A.B., M.D., Instructor in Clinical Surgery, Department of Gynecology.
- JAMES BELDEN GERE, M.D., Instructor in Neuro-Pathology.
- RALPH EUGENE HERENDEEN, M.D., Instructor in Roentgenology.
- ARTHUR L. HOLLAND, M.D., Instructor in Clinical Medicine.
- HENRY WIRT JACKSON, M.D., Instructor in Clinical Pathology.
- NANCY JENISON, M.D., Instructor in Medicine.
- JAMES H. KENYON, B.S., M. D., Instructor in Clinical Surgery.
- JOHN F. McGRATH, M.D., Instructor in Clinical Surgery, Department of Gynecology.
- EDWARD MILTIMORE, M.D., Instructor in Medicine.
- HUGH ELLIS MORROW, B.S., Instructor in Chemistry.
- EMIL OSTERBERG, Instructor in Chemistry.
- GEORGE PAPANICOLAU, Ph.D., M.D., Instructor in Anatomy.
- HAROLD E. PARDEE, M.D., Instructor in Medicine.
- JOHN H. RICHARDS, M.D., Instructor in Clinical Pathology and in Medicine.
- JOSEPH C. ROPER, M.D., Instructor in Clinical Medicine, Department of Pediatrics.
- HAROLD E. SANTEE, A.B., M.D., Instructor in Operative Surgery and Assistant in Clinical Surgery.
- HANS J. SCHWARTZ, M.D., Instructor in Clinical Pathology and Clinical Instructor in Medicine, Department of Dermatology.
- MONTGOMERY H. SICARD, B. S., M.D., Instructor in Therapeutics.
- WILLIAM L. SNEED, M.D., Instructor in Applied Anatomy.
- RALPH G. STILLMAN, M.D., Instructor in Clinical Medicine.
- LAURENCE W. STRONG, M.D., Instructor in Gynecological Pathology.
- BENJAMIN MORGAN VANCE, A.B., M.D., Instructor in Surgical Pathology.
- HARVEY C. WILLIAMSON, M.D., Instructor in Obstetrics.
- JAMES WORCESTER, M.D., Instructor in Clinical Surgery.
- M. E. VAN FLEET, M.D., Instructor in Medicine.
- FENWICK BEEKMAN, A.M., M.D., Instructor in Operative Surgery and Assistant in Clinical Surgery.
- A. J. BOLLER, A.M., M.D., Instructor in Operative Surgery.
- EDWARD C. BRENNER, A.M., M.D., Instructor in Operative Surgery.
- B. S. DENZER, Instructor in Pediatrics.
- ELIZABETH FRANCKE, A.M., M.D., Instructor in Chemistry.
- GAYLORD W. GRAVES, Instructor in Clinical Pathology.
- CONNIE MYERS GUION, B.A., A.M., M.D., Instructor in Therapeutics.
- KENNETH JOHNSON, A.B., M.D., Instructor in Surgery.
- MORTON C. KAHN, A.B., M.D., Instructor in Hygiene.
- C. A. LANG, Instructor in Pediatrics.
- Nils Larsen, B.S., M.D., Instructor in Bacteriology.
- W. S. McCANN, Instructor in Medicine.
- J. P. NASH, A.M., M.D., Instructor in Chemistry.
- LOUIS C. SCHROEDER, A.M., M.D., Instructor in Clinical Medicine, Department of Pediatrics.
- WILLIAM PETER STRAIN, A.M., M.D., Instructor in Clinical Medicine, Department of Pediatrics.
- M. E. VAN FLEET, M.D, Instructor in Medicine.
- A. O. WILENSKY, A.M., M.D., Instructor in Operative Surgery.
- BENNE MAURICE WRENKER, A.M., M.D., Instructor in Clinical Medicine, Department of Pediatrics.

Clinical Instructors

- C. O. CHENEY, M.D., Clinical Instructor in Medicine, Department of Psychiatry.
ARTHUR H. CILLEY, M.D., Clinical Instructor in Surgery, Department of Orthopedic Surgery.
ARTHUR E. HOAG, M.D., Clinical Instructor in Surgery, Department of Surgery.
HOWARD L. JECK, Ph.B., M.D., Clinical Instructor in Surgery, Department of Urology.
GEORGE B. MCAULIFFE, A.B., M.D., Clinical Instructor in Surgery, Department of Otolaryngology.
WALTER C. MONTGOMERY, M.D., Clinical Instructor in Surgery, Department of Laryngology and Rhinology.
CHARLES HALPIN NAMMACK, A.B., M.D., Clinical Instructor in Medicine.
CLARENCE P. OBENDORF, M.D., Clinical Instructor in Medicine, Department of Neurology.
BERNARD SAMUELS, M.D., Clinical Instructor in Surgery, Department of Ophthalmology.
WILLIAM L. SOULE, A.B., M.D., Clinical Instructor in Anaesthesia.
FREDERICK W. STECHMANN, M.D., Clinical Instructor in Medicine, Department of Neurology.
RICHMOND STEPHENS, M.D., Clinical Instructor in Surgery, Department of Orthopedic Surgery.
J. W. STEPHENSON, M.D., Clinical Instructor in Medicine, Department of Neurology.
WILLIAM D. TYRRELL, M.D., Clinical Instructor in Medicine, Department of Pediatrics.
GEORGE W. VANDEGRIFT, A.M., M.D., Clinical Instructor in Surgery, Department of Ophthalmology.
LUCIUS A. WING, B.S., M.D., Clinical Instructor in Surgery, Department of Surgery.
MAY G. WILSON, M.D., Clinical Instructor in Medicine, Department of Pediatrics.
MILTON A. HARRINGTON, A.M., M.D., Clinical Instructor in Medicine, Department of Psychiatry.
HERBERT F. JACKSON, A.M., M.D., Clinical Instructor in Medicine, Department of Pediatrics.
PHILIP M. STIMSON, A.M., M.D., Clinical Instructor in Medicine, Department of Pediatrics.

Assistants

- EDWARD MCPHERSON ARMSTRONG, M.D., Clinical Surgery.
RICHARD W. BOLLING, M.D., Clinical Surgery.
JACK V. BOHRER, B.S., M.D., Clinical Surgery.
CHARLES S. B. CASSASSA, A.B., M.D., Pathological Anatomy.
SUMNER EVERINGHAM, A.B., M.D., Clinical Surgery.
GUILFORD S. DUDLEY, A.B., M.D., Clinical Surgery.
HENRY MULLER, A.B., M.D., Pathology.
THOMAS A. MULCAHY, M.D., Clinical Assistant in Surgery, Department of Otolaryngology.
S. DOUGLAS PALMER, A.B., M.D., Anatomy.
JOSEPHINE B. NEAL, A.B., M.D., Medicine.
HARRIET D. WHITE, A.B., Chemistry.
JOHN P. PETERS, M.D., Medicine.

EMILY J. SEAMON, M.D., Experimental Medicine.
 STEWART L. CRAIG, A.B., M.D., Otology.
 EMILY J. BURR, A.B., Pathology.
 J. EPSTEIN, A.B., M.D., Pediatrics.
 HAROLD HERMON, A.B., M.D., Pediatrics.
 MARJORIE HOPPER, A.B., Chemistry.
 ANNA KLEEGMAN, A.B., M.D., Pediatrics.
 S. DOUGLAS PALMER, A.B., M.D., Anatomy.
 ALFRED HENRY RAHE, Ph.D., M.D., Immunology.
 SOPHIE TAISTRA, Physiology.
 GEORGE W. WHEELER, M.D., Bacteriology.

Lecturers

MAX EINHORN, M.D., Lecturer on Diseases of the Stomach.
 JOHN T. MACCURDY, M.D., Lecturer on Clinical Medicine, Department of Psychiatry.
 A. I. RINGER, M.D., Lecturer on Physiology.
 ROBERT A. COOKE, A.B., A.M., M.D., Lecturer on Applied Immunology.
 SAMUEL GOLDSMIDT, A.M., M.D., Lecturer on Physiology.
 GEORGE W. HAWLEY, A.M., M.D., Lecturer on Fractures.

FACULTY OF MEDICINE AT ITHACA

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
 ABRAM T. KERR, B.S., M.D., Professor of Anatomy and Secretary of the Medical College at Ithaca.
 SIMON HENRY GAGE, B.S., Emeritus Professor of Histology and Embryology.
 WILLIAM RIDGELY ORNDORFF, A.B., Ph.D., Professor of Organic Chemistry.
 BENJAMIN FREEMAN KINGSBURY, A.B., Ph.D., M.S., M.D., Professor of Histology and Embryology.
 SUTHERLAND SIMPSON, D.Sc., M.D., F.R.S.E., Professor of Physiology.
 JAMES BATCHELLER SUMNER, A.M., Ph.D., Assistant Professor of Biochemistry.
 STANLEY ROSS BURLAGE, Instructor in Physiology.
 AARON BODANSKY, Instructor in Biochemistry.
 FRED WALDORF STEWART, Instructor in Neurology.
 HOWARD SCOTT LIDDLE, A.B., A.M., Instructor in Physiology.
 HOWARD BERNHARDT ADELMANN, Assistant in Histology and Embryology.
 ETHEL L. ANDERSON, Assistant in Histology and Embryology.
 PAUL WITHERSPOON ECKLEY, A.B., Assistant in Anatomy.
 WILLIAM P. ELLIOT, A.B., Assistant in Physiology.
 GEROME GLASER, A.B., Assistant in Anatomy.
 RAYMOND OWEN HITCHCOCK, Assistant in Histology and Embryology.
 RUFUS R. HUMPHREY, A.B., Assistant in Histology and Embryology.
 JOHN STEPHENS LATTI, B.S., Assistant in Histology and Embryology.
 SIDNEY ATTILIO THOMPSON, A.B., Assistant in Anatomy.
 DORIS DENARD WYNKOOP, Assistant in Physiology.

THE MEDICAL COLLEGE

The Cornell Medical College was founded in 1898. It comprises two divisions, one of which is in New York City, the other in Ithaca. The work of the whole curriculum of four years is given in New York City; the work of only the first year is given in Ithaca. Men may take the first year of the curriculum in New York City or in Ithaca as they may elect; women are required to take the first year in Ithaca.

BUILDINGS, LABORATORIES, AND HOSPITAL FACILITIES

The main building of the Medical College in New York City, comprising the Medical School and Dispensary, is situated in First Avenue from 27th to 28th Streets.

The Loomis Laboratory, which serves the purpose of instruction in connection with the laboratories in the main building of the College, is organized as a research laboratory with special departments in bacteriology, physiological chemistry, experimental medicine, and pharmacology.

The College Dispensary in the main building is intimately connected with the laboratory and research facilities of the College.

The New York Hospital has assigned one-half of its medical, surgical, and pathological services to the Medical College for the advancement of its teaching and research.

The Bellevue Hospital has placed the second of its four divisions at the disposal of the Faculty of the Medical College for medical instruction.

The Neurological Institute has offered certain work done by it to third and fourth year students in the Medical College.

The Manhattan State Hospital on Ward's Island, through the courtesy of the authorities, offers clinical instruction in its wards to Medical College students in psychiatry.

Thanks to the generosity of Dr. James Douglas, the Memorial Hospital has recently received a large endowment for the study, treatment, and research of cancer and allied diseases, on condition that the Hospital devote itself exclusively to such work and also that the Council of the Cornell University Medical College shall name the medical and surgical staff of the Hospital (subject, however, to the approval of the Board of Managers of the Hospital), and shall approve the five medical members of the said Board of Managers and nominate their successors as vacancies occur from time to time in these positions.

Stimson Hall, the building of the Ithaca Division of the Medical College, is situated on the campus, and is a part of the general group of University buildings.

ADMISSION TO THE MEDICAL COLLEGE

Applications for admission to the Medical College are entertained from the following classes of candidates:

1. Graduates of approved colleges or scientific schools.
2. Seniors in good standing in approved colleges or scientific schools, upon condition that their faculties will permit them to substitute the first year in the Cornell University Medical College for the fourth year of their college course, and will confer upon them the bachelor's degree upon the satisfactory completion of the year's work.*

*No student under this clause is permitted to enter the second year of the medical curriculum without the bachelor's degree obtained after at least three years of undergraduate work. This clause is intended to provide for those students who by specially directed or by specially proficient work accomplish the essential requirements for a B.S. or B.A. degree during three years of college residence.

3. Persons who give evidence by examinations that they have acquired an education equivalent to that signified by a bachelor's degree, and training sufficient to enable them to profit by the instruction offered in the Medical College.

All candidates for admission to the Cornell University Medical College must also present satisfactory courses in physics, chemistry, biology, English, and a modern language, as outlined from time to time in the announcements of the Medical College.

Each student must provide himself with a microscope of an approved kind.

ADMISSION TO ADVANCED STANDING

Applicants for advanced standing must have met in full the requirements for admission, and must have already attended the legally required number of courses in an approved regular medical college. Applicants thus qualified may be admitted to the Cornell University Medical College under the following conditions:

1. A properly attested certificate of actual attendance at a registered medical college for the full number of years of medical study for which time credit is asked, must be presented and approved.

2. A certificate showing that the student has satisfactorily completed in an approved medical college all of the required work of the years for which credit is asked, must be presented and approved.

3. Subject credit will be granted on presentation and approval, by the heads of departments, of properly attested certificates stating the courses already completed in an approved medical college, with the number of hours, didactic and laboratory, devoted thereto, together with the name of the instructor.

4. In the absence of the approved certificate called for in the preceding paragraph, subject credit for advanced standing will be granted only by examination.

ADMISSION TO SPECIAL COURSES

Graduates in medicine, or students who desire to pursue courses without credit toward graduation, are admitted to registration as special students, after approval by the head of the department conducting the course. Such special courses do not count in any way as part of the four-year course required of candidates for the degree of Doctor of Medicine.

TUITION AND LABORATORY FEES

The tuition for regular students in the Medical College, in New York City and in Ithaca, is \$200 a year. Laboratory fees are \$35 a year for the first three years, and \$25 for the fourth year. There is a final examination fee of \$25. A registration fee of \$10 is required of all regular students.

Tuition for special students depends on the nature of the courses pursued. For details, the Secretary of the Medical College in New York City should be consulted. All special students must pay a registration fee of \$10.

The Academic Year. In the Medical College in New York City, the academic year is divided into three terms of eleven, ten, and eleven weeks, respectively. In the Ithaca Division of the Medical College, the academic year consists of two terms of approximately equal length.

THE DEGREE OF DOCTOR OF MEDICINE

Instruction in the Medical College leads to the degree of Doctor of Medicine, the requirement for which is the completion of the following curriculum of four years:

First Year. Major subjects: Anatomy, physiology, organic chemistry (including laboratory work), physiological chemistry, histology and embryology. Minor subject: Neuro-anatomy.

Second Year. Major subjects: Physiology, pharmacology, bacteriology, anatomy. Minor subjects: Medicine, surgery, obstetrics, pathology, nutrition.

Third Year. Major subjects: Pathology, obstetrics. Minor subjects: Medicine, surgery, clinical pathology, pediatrics, neurology, pathological anatomy, urology, applied anatomy, therapeutics, otology, ophthalmology, laryngology and rhinology, dermatology, and psychiatry.

Fourth Year. Major subjects: Medicine, surgery, therapeutics, pediatrics. Minor subjects: Neurology, orthopedics, gynecology.

Major and Minor Courses. Major courses are extended courses or those in which a student completes his work in a given department or subject. Minor courses comprise the shorter laboratory and recitation courses.

Conditions allowed at the end of the first, of the second, and of the third year of the curriculum are one major and one minor or two minor subjects. All conditions must, however, be successfully passed before admission to the succeeding year. If at the end of the fourth year any student fails to pass in not more than one major, or in two minor subjects, a re-examination in these subjects may be allowed within two weeks, and if the candidate is then successful the degree may be conferred. If the candidate fails to pass in any subject at this second examination, the work of the fourth year must be repeated. Before being readmitted to the fourth year the candidate may be required to pass a satisfactory examination in anatomy, physiology, chemistry, and materia medica, the major subjects of the preceding years.

The minimum age at graduation must be twenty-one years.

Students who have been admitted to advanced standing are required to pass at least the fourth year of the curriculum in residence at the Medical College in New York City.

A Medical Student's Certificate, issued by the Department of Education of the State of New York, is required of all students before admission.

Candidates must have dissected at least one lateral half of the cadaver. They must, further, have taken the regular course of two weeks in practical obstetrics, and a certificate covering this course must be filed in the Secretary's office before registration for the final examinations, which begin about the last of May.

The degree will not be conferred upon any candidate who, without the special permission of the Faculty, absents himself from the public Commencement.

EXAMINATIONS AND ADVANCEMENT IN COURSE

1. **Advancement.** Students are advanced in course from one year to the next upon recommendations by heads of departments after examination in the work of the year, but examinations in major or minor subjects may, at the discretion of the head of the department, include all the work previously covered in the year or years preceding the examinations in question.

2. **Examinations.** Examinations for advancement in course, for graduation and for admission to advanced standing, are held at the close of the year, except that in each course extending through a part of the year only, the examination may be held at the close of the course.

A grade of 75 per cent is required to pass; a student failing to pass is either conditioned or dropped.

A conditioned student may be re-examined at the discretion of the examiner.

A student who fails to pass all of his conditions will not be allowed to register in the succeeding year of the curriculum.

A dropped student will not be re-admitted.

PRIZES AND FELLOWSHIPS

The John Metcalfe Polk Prizes, the Dana Prizes, the Whiting Prizes, and the William M. Polk Prizes are open only to students in the Medical College. For these, see pages 185 to 188.

The following fellowships are awarded annually by the Medical College in New York City:

The Charles L. Sheldon Fellowships in Clinical Medicine, each of the annual value of \$250 or \$200.

The Fellowship in Pathology of the annual value of \$250.

For details of award, the Announcement of the Medical College should be consulted.

Diplomas of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England

Graduates of the Cornell University Medical College are admitted to the final examinations for diploma of Licentiate of the Royal College of Physicians of London and Membership of the Royal College of Surgeons of England.

Hospital Appointments

The students and graduates of the Cornell University Medical College are nominated for positions on the resident staff of New York and Bellevue Hospitals and are expected to compete for positions in the other hospitals of the city.

THE COMBINED A.B. AND M.D. DEGREES

The two degrees, Bachelor of Arts and Doctor of Medicine, may be obtained in seven years. The first three years must be taken in the College of Arts and Sciences. The fourth year is the first year in the Medical College, and at the end of it the student receives the degree of A.B. The last three years are taken entirely in the College of Medicine in New York City.

COURSES OF INSTRUCTION IN NEW YORK CITY

ANATOMY

1. **Morphology.** Laboratory, 40 hours (elective), and demonstration conference, 22 hours (required). Professors STOCKARD and GUDERNATSCH.
2. **Embryology and Histology.** Laboratory course and lectures, 250 hours. October to March. Required of all first year students. Professor GUDERNATSCH, Dr. CHAMBERS and assistants.
3. **Neuro-Anatomy.** Laboratory, 66 hours. Required of all first year students. Drs. MORRILL and CHAMBERS.
4. **Gross Anatomy of the Human Body.** First and second terms, first year. Total laboratory hours, 288 (minimum). (1) The Upper Extremity; (2) The Head and Neck; (3) The Lower Extremity; (4) The Thorax; (5) The Abdomen and Pelvis. Dissection, demonstrations, recitations, and examinations.
 - (6). A demonstration course. Optional for first year students.
 - (7). A study room course in live anatomy. Optional for first year students.
 - (8). Dissection review. A repetition of courses (1) to (5), giving an opportunity for advanced dissection. Optional for students of the second, third, or fourth year.
 - (9). Topographical anatomy. Laboratory, ninety-nine hours. Required during the first term of second year. Professor STOCKARD, Dr. MORRILL, and assistants.
5. **Applied Anatomy.** First term of the second year. Laboratory, sixty hours.
6. **Elective Courses Preparatory to the Specialties.** Laboratory, forty hours. Optional for students of the third and fourth years. Professor STOCKARD and instructors.
7. **Elective Courses for Advanced Students.** (1). General Histology. Twenty lectures, March to June. Registration not later than January. Professor GUDERNATSCH.
 - (2). Phases of Histogenesis. Ten lectures from April to June. Dr. CHAMBERS.
 - (3). The Anatomy of the Infant. Twenty lectures arranged for in advance. Professor STOCKARD.
 - (4). Developmental Arrests and Structural Deficiencies. Fifteen lectures. Professor STOCKARD.
 - (5). Experimental Embryology. March to June. Twenty lectures with conferences considering the recent literature of the subject. Professor STOCKARD.
 - (6). Histological Seminary and Laboratory Work. Entire year. Professor GUDERNATSCH.
 - (7). Regional Anatomy. Three half days for two months. Dr. MORRILL and assistants.
 - (8). Fourth Year Electives. Arranged to fit individual cases. Limited number of fourth year students.
8. **Anatomical Research.** Directed by members of the staff of instruction.

PHYSIOLOGY

- Physiology.** Third term, first year, four lectures a week, three laboratory periods, two conference quizzes, and a written review. First term, second year, lectures daily, three laboratory periods, conference quizzes and written reviews. Fortnightly seminary.
- Physiology, Experimental and Clinical.** This course immediately follows the preceding course. The staff in the Department of Physiology is composed of Professor LUSK and staff.

CHEMISTRY

- Organic Chemistry.** First term, first year, two lectures a week. Second term, first year, two lectures, one recitation, and two laboratory periods each week.
- Physiological Chemistry.** Third term, three lectures, two recitations, and three laboratory periods each week.
- Chemical Pathology.** Elective for fourth year.
- Research in Chemistry.** For advanced students by appointment.
- The staff in the Department of Chemistry is composed of Professor BENEDICT, Dr. MORROW, Mr. OSTERBERG and assistants.

PHARMACOLOGY AND MATERIA MEDICA

1. **Elementary Pharmacy, Toxicology, and Principles of Prescription Writing.** Twenty hours.
2. **Systematic Pharmacology.** Second and third terms, forty-five hours devoted to lectures, conferences and written reviews. Professor HATCHER.
3. **Laboratory in Pharmacology.** Ninety hours. Professor HATCHER and Dr. EGGLESTON.
4. **Research.** Elective. Under the supervision of members of the staff.

MEDICINE

Second Year. Recitations; physical diagnosis ninety-six hours.

Third Year. Recitations (two each week) and written reviews; twenty-two lectures; weekly clinics in College Dispensary and Bellevue Hospital; medical diagnosis.

Fourth Year. Practical work as clinical clerks in Bellevue and New York Hospitals.

Electives for students of the fourth year.

1. Clinical clerkships, New York Hospital, one month, all day, five students.
2. Clinical clerkships, Bellevue Hospital, one month, all day, five students.
3. Clinical electrocardiography and polygraphy, two afternoons a week for one month. Limited to eight students. Dr. PARDEE, at New York Hospital.
4. Course in advanced clinical pathology. Three afternoons a week for one month. Limited to five students. Dr. R. G. STILLMAN, at New York Hospital.
5. Clinical bacteriology and vaccine therapy. Minimum of twenty-five hours.
6. Complement fixation. One afternoon a week in April and May.
7. Advanced clinical pathology of urine and blood. Thirty-five hours.

Clinical Pathology

Third Year. Laboratory lectures, and recitations (110 hours).

Fourth Year. Laboratory and research by appointment.

Research for graduate students by appointment.

The staff in medicine and clinical pathology is composed of Professors CONNER, E. DuBOIS, PALMER, NILES, THRO, LAMBERT, C. E. NAMMACK, and Assistant Professor SHELTON; Drs. EINHORN, BARR, PARDEE, MILTMORE, JENISON, BRUNDAGE, RICHARDS, SCHWARTZ, STILLMAN, JACKSON, HOLLAND, CECIL, BRINK, P. DuBOIS, PETERS, SEAMON and C. H. NAMMACK.

NEW YORK HOSPITAL, CORNELL MEDICAL DIVISION

Director, Professor of Medicine.

Hospital and University Appointees

Attending Physician. Professor of Medicine. Associate Attending Physician. Assistant Professor of Medicine. Associate Attending Physician. Instructor in Clinical Medicine. Clinical Pathologist. Instructor in Clinical Medicine. Pathologist, Professor of Bacteriology. Two Assistant Pathologists.

House Staff, Two Years Service

House Physician. First Senior Assistant Physician. Second Senior Assistant Physician. Junior Assistant Physician. Fellow in Medicine. Clinical Clerks (in sections of ten).

BELLEVUE HOSPITAL, CORNELL (SECOND MEDICAL) DIVISION

Hospital and University Appointees

Director (Associate Professor of Medicine). Two Visiting Physicians (a. Professor of Therapeutics, Assistant Professor of Medicine). Three Assistant Visiting Physicians (a. Professor of Clinical Pathology; b. Assistant Professor of Medicine; c. Assistant Professor of Therapeutics). Five Adjunct Assistant Visiting Physicians (a. Instructor in Medicine; b. Instructor in Clinical Pathology and Medicine; c. Instructor in Therapeutics; d. Instructor in Clinical Pathology; e. Instructor). One Clinical Pathologist. Five House Staff (a. Resident Physician, one year; b. House Physician, two years; c. Senior Physician, two years; d. Junior Physician, two years; e. Junior Physician, one and one-half years; f. Physician, one and one-half years.)

This entire staff is on continuous duty throughout the college year, and during the summer season the service is maintained by a considerable portion of the staff.

In addition to the regular hospital appointees and internes, the Medical College, from its Department of Medicine supplies for service in Bellevue Hospital a corps of laboratory assistants, research workers, and a special nurse.

GENERAL THERAPEUTICS

Didactic Lectures. Last term, third year, one hour a week. Required of third year students. Professor MEARA.

Clinical Clerkships. In conjunction with the Department of Medicine the Department offers to each student a clerkship in the wards of Bellevue Hospital for a continuous period of service, half of which will be devoted to problems of medicine and half to therapeutics.

Recitations. One-half term, three hours a week. March to May. Required of third year students. Dr. GOODRIDGE.

Research. For qualified students, by appointment.

SURGERY

Second Year. Recitations; surgical examinations and diagnosis in the New York and Hudson Street Hospitals; clinics.

Third Year. First term, recitations; sections in the New York Hospital; lectures (thirty-three); weekly college clinics. Second and third terms, practical surgery in the New York Hospital. Operative surgery.

Fourth Year. First term, lectures and clinics. Second term, six weeks, clinical clerkships in Bellevue and New York Hospitals. Third term, electives.

The staff in this department is composed of Professors GIBSON, HARTWELL, TAYLOR, WOOLSEY, ROGERS, COLEY, LILIENTHAL, HAYNES and LEE; Associate Professor GIBSON; Assistant Professors HITZROT, TURNURE and HOGUET; Drs. WING, HOAG, BEEKMAN, SANTÉE, GERSTER, SPAULDING, BULKLEY, WORCESTER, KENYON, VANCE, BUTLER, ARMSTRONG, EVERINGHAM, BOHRER, DUDLEY, BOLLING and SOULE.

HOSPITAL WORK

New York Hospital, Cornell (First Surgical) Division. The staff of instruction is composed of Professors GIBSON and LEE, and Assistant Professor HITZROT.

Hudson Street Hospital. The staff of instruction is composed of Assistant Professor TURNURE and Drs. KENYON and BOLLING.

Bellevue Hospital, Cornell (Second Surgical) Division. The staff of instruction is composed of Professors HARTWELL, WOOLSEY, and ROGERS; Drs. BULKLEY, WORCESTER, VANCE, SANTÉE, ARMSTRONG, EVERINGHAM, BOHRER and DUDLEY.

Surgical Clerkships. Each student devotes his entire day for six weeks to the study of patients in the wards of the New York and Bellevue hospitals.

OBSTETRICS

Instruction in this department is given during the second and third years of the curriculum. The work in obstetrics comprises (1) recitations, (2) lectures, (3) obstetric clinics and conferences, (4) attendance upon cases of confinement, (5) manikin practice and section work, (6) obstetric histology, pathology, and bacteriology.

The staff of instruction in obstetrics is composed of Professor EDGAR and Drs. BAILEY and WILLIAMSON.

PATHOLOGY

1. **General Pathology.** Lectures, museum and microscopical demonstrations and recitations, 246 hours. Required in second and third years. Professor EWING and Drs. L'ESPERANCE and MULLER.

2. **Pathological Anatomy.** Lectures and demonstrations, eighty-four hours. Required in the second and third years. Professors SCHULTZE and NORRIS, Dr. CASSASSA and assistants.

3. **Autopsy Technics.** Section teaching at the Morgue. Fourth year. Professors SCHULTZE and NORRIS and Dr. CASSASSA.

4. **Chemical Pathology.** Elective lectures and laboratory. Fourth year. Professor BENEDICT and Dr. COCA.

5. **Medico-legal Pathology.** Third and fourth years. Professor SCHULTZE.

Electives. Fourth year.

(1) Pathological technique; (2) Tumor diagnosis and general oncology; (3) Gynecological pathology; (4) Dermatopathology; (5) Neuropathology; (6) Surgical pathology; (7) Special pathology and study of groups of cases, with the preparation of a thesis.

CANCER RESEARCH

Since 1904, the work of the Huntington Fund for Cancer Research has been located in the laboratories of Cornell University Medical College under the general direction of the Department of Pathology, and with the collaboration of heads of other departments. Later through the support of Dr. James Douglas, and the cooperation of the Board of Governors it has been extended to the laboratories of the Memorial Hospital. A laboratory building accommodating pathology, chemistry and physics has recently been erected.

The organization of this work includes:

Pathology, Professor EWING. Bacteriology, Professor TORREY. Immunology, Dr. COCA. Chemistry, Professor BENEDICT. Biology, Professor STOCKARD.

Clinical studies in the diagnosis, natural history, and treatment of neoplastic diseases are conducted in the hospital by the members of the staff. The general conduct of the ward service is in charge of Dr. WILLIAM S. STONE, Assistant Director of Cancer Research. The Radium Department is in charge of Dr. H. H. JANEWAY, assisted in special fields by Drs. H. C. BAILEY, B. S. BARRINGER and others. The radium laboratory possesses three grams of radium metal, supplied by the National Radium Institute through Dr. JAMES DOUGLAS. The radium laboratory is in charge of Prof. WILLIAM DUANE, associate consulting physicist and Mr. GIACCHINO FAILLA, physicist, and two assistants. The physics department has also secured the services of Professor J. S. SHEARER, consulting physicist.

BACTERIOLOGY

Laboratory work and lectures, 150 hours. Required in the second year. Professor ELSEY.

NEUROLOGY

Second Year. Lectures and clinics. Professor DANA.

Third Year. Clinics. Professor DANA.

Fourth Year. Clinics; sections; clinical clerkships.

The staff in this department is composed of Professor DANA, Associate Professor KENNEDY, Assistant Professor FRANK and Dr. OBERNDORF.

PSYCHIATRY

Third Year. Didactic lectures; clinical demonstrations and practical exercises.

The staff in this department is composed of Professor KIRBY and Dr. MACCURDY.

PEDIATRICS

Third Year. Weekly clinical lectures and sections.

Fourth Year. Weekly clinical lectures; clinical clerkships in the New York Hospital.

GYNECOLOGY

Second Year. Recitations and lectures.

Third Year. Section teaching.

Fourth Year. Elective.

The staff in this department is composed of Associate Professor WARD and Drs. FARRAR, McGRATH, BARROWS and STRONG.

UROLOGY

Third Year. First term, ten lectures; sections in the College Dispensary. Second term, weekly clinics in Bellevue Hospital.

Fourth Year. Clinical clerkships.

The staff in this department is composed of Professor KEYES and Drs. BARRINGER and JECK.

DERMATOLOGY

Third Year. Sections.

Fourth Year. Clinics.

The staff in this department is composed of Professor ELLIOTT and Dr. SCHWARTZ.

LARYNGOLOGY AND RHINOLOGY

Third Year. Sections.

Fourth Year. Didactic lectures and clinical exercises. Professor SMITH and Dr. MONTGOMERY.

OPHTHALMOLOGY

Third Year. Sections and clinics.

Fourth Year. Clinics. Professor REESE and Drs. SAMUELS and VANDEGRIFT.

OTOLOGY

Third Year. Sections in the College Dispensary.

Fourth Year. Clinics. Professor WHITING and Drs. CRAIG and MCAULIFFE.

ORTHOPEDIC SURGERY

Third Year. Lectures, recitations and sections.

Fourth Year. Ward work in the Hospital for the Ruptured and Crippled. Professor WALLACE and Dr. CILLEY.

ROENTGENOLOGY

Third and Fourth Year. Lectures and demonstrations. Professor COLE and Dr. HERENDEN.

HYGIENE

Second Year. Laboratory and field work. Professor TORREY and assistants.

MEDICAL JURISPRUDENCE

Fourth Year. Courses of lectures from the standpoint of medico-legal autopsy (twenty-one hours). Professor SCHULTZE.

The clinical aspects of this subject are covered in the regular courses of study by several departments and by special lectures. Professors EDGAR, HATCHER and KIRBY.

COURSES OF INSTRUCTION IN THE ITHACA DIVISION OF THE MEDICAL COLLEGE

ANATOMY

Courses 1, 2, 3, 5, and 6 are required of first year medical students.

1. **Anatomy of the Head and Neck.** First term, credit four hours. Twenty-two actual hours a week for seven weeks. Laboratory work; dissection and conference. Professor KERR and Mr. STEWART.

2. **Anatomy of the Thoracic Walls and Viscera.** First term, credit one hour. Twenty-two actual hours a week for two weeks. Laboratory work; dissection and conferences. Professor KERR and Mr. STEWART.

3. **Anatomy of the Abdominal and Pelvic Walls and Viscera.** First term, credit four hours. Twenty-two actual hours a week for seven weeks. Laboratory work; dissections and conferences. Professor KERR and Mr. STEWART.

5. **Anatomy of the Central Nervous System.** Second term, credit two hours. Five actual hours a week. Dissection, with occasional demonstrations and recitations. Professor KERR and Mr. STEWART.

6. **Anatomy of the Living Body.** Second term, credit one hour. Two actual hours a week. Dr. KERR and Mr. STEWART.

7. **Anatomy of the Upper Extremity.** First and second terms, credit two to three hours. Laboratory work; dissection and conference. Professor KERR and ———.

8. **Anatomy of the Lower Extremity.** First and second terms, credit two to three hours. Laboratory work; dissection and conference. Professor KERR and ———.

9. **Topographical Anatomy.** First and second terms, credit two to five hours. Prerequisite, Anatomy 1, 2, 3, 7, or 8. Professor KERR.

12. **Research in Anatomy.** First and second terms. For qualified students. Professor KERR.

HISTOLOGY AND EMBRYOLOGY

Courses 10, 10a, and 5 are required of students of medicine.

10. **Histology.** First term, credit four hours; second term, credit five hours. Four laboratory periods and two lectures each week. Professor KINGSBURY.

10a. **Histology.** First term, credit three hours. Two laboratory periods and two lecture-conferences each week. Professor GAGE.

5. **The Nervous System and Organs of Sense.** Third term, credit three hours. Two laboratory periods with laboratory conferences and quizzes. Professor KINGSBURY.

3. **Special Histology and Technique.** First term, credit three hours. One recitation, demonstration, or lecture. Two laboratory periods, by assignment. Professor GAGE.

7. **Advanced Work in Histology and Embryology.** First, second, and third terms. Prerequisite, courses 10 and 3, and a reading knowledge of French and German. Laboratory work, eight or more actual hours a week, with seminary. Professor KINGSBURY and instructors.

8. **Seminary.** Second and third terms, one hour each week.

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY

1A. **Physiology of the Cell, Muscle, and Nerve.** First term, credit two hours. Two lectures or recitations weekly with demonstrations. Professor SIMPSON and assistants.

1B. **Physiology of Heart and Circulation, Blood and Lymph, Respiration, Digestion and Excretion.** Second term, credit three hours. Three lectures or recitations weekly, with demonstrations and examinations. Professor SIMPSON and assistants.

1C. **Physiology of Internal Secretion, Animal Heat and Reproduction.** Third term, credit three hours. Six lectures weekly for the first six weeks of the term. Professor SIMPSON and assistants.

4A. **Experimental Physiology.** First term, credit two hours. One five-hour laboratory period weekly. Professor SIMPSON and assistants.

4B. **Experimental Physiology.** Second term, credit two hours. One two-hour and one three-hour laboratory period weekly. Professor SIMPSON and assistants.

4C. **Experimental Physiology.** Third term, credit three hours. Seven and one-half hours laboratory work.

5. **Physiology of the Nervous System and Special Senses.** Third term, credit three hours. Lectures, six weekly for the last six weeks of the term. Professor SIMPSON.

7. **Seminary.** Second term, credit one hour.

8. **Advanced Work and Research.** For qualified students, by appointment.

15. **General Biochemistry.** Third term, credit five hours. Three lectures or recitations, eleven hours laboratory work weekly. Assistant Professor SUMNER and Mr. BODANSKY.

17. **Special Chapters in Biochemistry.** First term, credit one hour. Lectures. Assistant Professor SUMNER.

20. **Advanced Work and Research in Biochemistry.** First, second and third terms. Assistant Professor SUMNER.

32. Required course. (See page 101)

NEW YORK STATE VETERINARY COLLEGE

For detailed information concerning the work of the Veterinary College, candidates for admission to that college should consult the Announcement of the Veterinary College which will be sent gratis on application to the Secretary of the University.

FACULTY

- JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
- VERANUS ALVA MOORE, M.D., V.M.D., D.Sc., Professor of Comparative Pathology, Bacteriology, and Meat Inspection; Dean of the College.
- JAMES LAW, F.R.C.V.S., Emeritus Professor of Principles and Practice of Veterinary Medicine.
- SIMON HENRY GAGE, B.S., Emeritus Professor of Histology.
- PIERRE AUGUSTINE FISH, D.Sc., D.V.M., Professor of Veterinary Physiology, and Secretary of the Faculty.
- GRANT SHERMAN HOPKINS, D.Sc., D.V.M., Professor of Veterinary Anatomy and Anatomical Methods.
- WALTER LONG WILLIAMS, Professor of Obstetrics, and Research Professor in the Diseases of Breeding Cattle.
- DENNIE HAMMOND UDALL, B.S.A., D.V.M., Professor of Veterinary Medicine and Hygiene.
- HOWARD JAY MILKS, D.V.M., Professor of Therapeutics and Small Animal Clinic.
- JAMES NATHAN FROST, D.V.M., Professor of Veterinary Surgery.
- SAMUEL A. GOLDBERG, A.M., Ph.D., D.V.M., Professor of Pathology.
- WILLIAM ARTHUR HAGAN, M.S., D.V.M., Professor of Bacteriology and Parasitology.
- EARL SUNDERVILLE, D.V.M., Assistant Professor of Veterinary Anatomy.
- CHARLES ERNEST HAYDEN, A.B., D.V.M., Assistant Professor of Veterinary Physiology.
- RAYMOND RUSSELL BIRCH, B.S., Ph.D., D.V.M., Superintendent of the Veterinary Experiment Station.
- HENRY ASMUS, Assistant Professor of Horseshoeing.
- WALTER DENSLOW WAY, D.V.M., Assistant Professor of Veterinary Medicine.
- CHARLES MILTON CARPENTER, D.V.M., Instructor in Bacteriology.
- EARLE BUDD HOPPER, D.V.M., Instructor in Obstetrics.
- JAMES WILLIAM BENNER, D.V.M., Instructor in Special Research in Animal Diseases.
- HORATIO LUTHER VAN VOLKENBERG, D.V.M., Instructor in Pathology.
- HENRY PATRICK NOONAN, D.V.M., Instructor in Obstetrics.
- HADLEY CARRUTHERS STEPHENSON, Instructor in Materia Medica.
- JAMES WEST FULLER, Assistant in Diagnosis.
- CLIFFORD DEANE CARPENTER, Assistant in Pathology.
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- JAMES EDWARD CREIGHTON, A.B., Ph.D., LL.D., Dean of the Graduate School.
- HENRY HIRAM WING, M.S. in Agr., Professor of Animal Husbandry.
- BENJAMIN FREEMAN KINGSBURY, Ph.D., M.D., Professor of Histology and Embryology.
- ARTHUR WESLEY BROWNE, M.S., Ph.D., Professor of Inorganic and Analytical Chemistry.

KARL MCKAY WIEGAND, B.S., Ph.D., Professor of Botany.
 ELMER SETH SAVAGE, M.S.A., Ph.D., Professor of Animal Husbandry.
 MERRITT WESLEY HARPER, B.Sc., M.S., Professor of Animal Husbandry.
 BENJAMIN PERCY YOUNG, A.B., Ph.D., Assistant Professor of Zoology.
 STUART DEMING JACKSON, A.B., Instructor in Organic Chemistry.
 WALTER CONRAD MUENSCHER, A.M., Instructor in Botany.
 JOHN STEPHENS LATTI, B.S., Instructor in Histology and Embryology.
 ASA EMANUEL MCKINNEY, A.B., A.M., Instructor in Organic Chemistry.
 RUFUS R. HUMPHREY, A.B., Assistant in Histology and Embryology.
 LLOYD HERMAN SCHROEDER, Assistant in Histology and Embryology.

NONRESIDENT LECTURERS FOR 1919-1920

B. H. Ransom, Bureau of Animal Industry	Washington, D. C.
J. K. Boshart.	Camden
D. W. McLaury, Bureau of Animal Industry	Albany
W. G. Hollingworth	Utica
Langwell Frothingham.	Boston

THE VETERINARY COLLEGE

Instruction in veterinary subjects has been a part of the work of Cornell University since its foundation. During the earlier years of the University, this instruction was in charge of the Department of Agriculture, and it was continued as a distinctive part of the work of the College of Agriculture when in 1888 that college was created as the successor of the Department of Agriculture.

The Veterinary College was established as a separate college of Cornell University in the year 1894, in accordance with an act of the Legislature of the State of New York creating a State Veterinary College at Cornell University.

The Veterinary College as it exists today is supported by the State of New York, and is administered by Cornell University under the direction of a committee of its Board of Trustees known as the Veterinary College Council. In respect of all academic interests, the Veterinary College is an integral part of Cornell University.

For admission to the Veterinary College, see page 45; for tuition in the Veterinary College, see page 52.

THE DEGREE OF DOCTOR OF VETERINARY MEDICINE

The undergraduate instruction for regular students in the Veterinary College leads to the degree of Doctor of Veterinary Medicine, the requirement for which is the completion of the following curriculum:

CURRICULUM OF FOUR YEARS

First Year

	No. of Course	Credit 1st Term	Credit 2d Term	Total of Actual Hours
Physics	2	5	—	80
Histology	6	2	4	200
Anatomy	1	3	—	448
“	2	1	—	
“	3	2	—	
“	4	1	6	
Physiology, Lectures	10	3	—	96
“ Recitations	11	—	3	
Chemistry	1	—	6	144
Military Drill	1	—	—	96
		16	19	1064

Second Year

Anatomy	5	4	—	256
“	6	2	—	
Physiology, Recitations	12	2	—	32
“ Lecture	13	—	2	32
“ Laboratory	14	2	—	80
Pharmacology	20	2	—	32
“	20a	—	2	32
Materia Medica	21	2	—	80
General Pathology	40	4	—	112
Bacteriology	43	—	5	152
General Surgery	30	—	4	112
Physical Diagnosis	51	—	2	32
Zoology	1a	—	3	96
Military Drill		—	—	96
		18	18	1144

Third Year

Consulting Clinic	34	1	1	96
Small Animal Clinic	25	1	1	96
Surgical Exercises	31	1	—	48
Medicine	50	2	3	80
Animal Husbandry	20	3	3	128
Autopsies	47	1	1	96
Special Surgery	32	5	—	80
Special Pathology	41	2	2	112
Parasitology	44	2	—	56
Physical Diagnosis	54	1	—	16
Diseases of Small Animals	22	—	2	32
Infectious Diseases, Lectures	42	—	2	32
“ “ Laboratory	42a	—	1	40
Surgical Anatomy	7	—	1	40
Urine Analysis	15	—	1	40
		19	18	992

Fourth Year

	No. of Course	Credit 1st Term	Credit 2d Term	Total of Actual Hours
Materia Medica	23	2	—	32
Surgical Clinic	33	2	2	192
Ambulatory Clinic	53	2	2	64
Small Animal Clinic	25	1	1	32
Consulting Clinic	34	1	1	32
Embryology	9	2	—	56
Horseshoeing	52	1	1	80
Medicine	50	3	2	80
Immunity	—	2	—	80
Botany	—	3	—	96
Autopsies	47	1	1	32
Meat Inspection	—	—	1	16
Dairy Inspection	—	—	1	16
Obstetrics	36	—	3	48
Diseases of the Genital Organs	37	—	2	32
Ophthalmology	55	—	1	16
Hygiene	56	—	1	16
		20	20	920

For the Curriculum of Seven Years in Agriculture and Veterinary Medicine, see page 141.

STUDY FOR PRACTITIONERS

Veterinarians who are legally authorized to practice at their places of residence will be admitted to any class in the College at any time and for such period as they may elect, without entrance examination. They will be entirely free to elect any studies that are being regularly taught at the time, and may enjoy all opportunities and facilities offered to regular students as long as these opportunities do not interfere with the instruction of the regular students.

No tuition will be required from licensed veterinarians practicing in the State of New York.

SCHOLARSHIPS AND PRIZES

The Horace K. White Prizes; The Hollingworth Honorarium for Research; The Jane Miller Prize; and The James Gordon Bennett Prize are awarded to students in the Veterinary College. For these and for the scholarships and prizes that are open to all students of the University, see pages 181 to 188.

Student Assistants. Three positions as student assistants are open to capable veterinary students in their senior year (salaries from \$125 to \$300 a year).

COURSES OF INSTRUCTION

ANATOMY

1. **Comparative Osteology.** Three hours, first term. Professor HOPKINS and assistants.
2. **Arthrology.** One hour, first term. Professor HOPKINS and assistants.
3. **Myology and Abdominal Viscera.** Three hours, first term. Professor HOPKINS, Assistant Professor SUNDERVILLE and assistants.
4. **Myology, Thoracic and Abdominal Viscera, Lymphatic System and Organs of Special Senses.** Five hours, second term. Professor HOPKINS, Assistant Professor SUNDERVILLE and assistants.
5. **Blood Vessels and Nerves of the Arm and Leg.** Three hours, first term. Professor HOPKINS, Assistant Professor SUNDERVILLE and assistants.
6. **Blood Vessels and Nerves of the Head; the Central Nervous System and Genital Organs.** Three hours, first term. Professor HOPKINS, Assistant Professor SUNDERVILLE and assistants.
7. **Surgical Anatomy.** Second term.
Open to those who have completed the required courses in anatomy and to practitioners. Professor HOPKINS and Assistant Professor SUNDERVILLE.
8. **Advanced Anatomy.** Two or more hours. Professor HOPKINS and Assistant Professor SUNDERVILLE.

PHYSIOLOGY

10. **The Physiology of the Nutrition and Secretion of the Domesticated Animals.** First, term, credit three hours. Professor FISH.
11. **Physiology Recitations.** Second term, credit three hours. Professor FISH and Assistant Professor HAYDEN.
12. **Physiology Recitations.** First term, second year, credit two hours. Professor FISH and Assistant Professor HAYDEN.
13. **The Physiology of the Muscular and Nervous Systems.** Second term, second year, credit two hours. Assistant Professor HAYDEN.
14. **Physiological Laboratory.** First term, second year, five hours a week. Professor FISH, Assistant Professor HAYDEN and assistants.
15. **Urine Analysis.** Second term, third year, three hours a week. Professor FISH, Assistant Professor HAYDEN and assistants.
16. **Advanced Physiology.** Five or more hours a week. Professor FISH and assistants.

MATERIA MEDICA AND SMALL ANIMAL CLINIC

20. **Pharmacology.** First term. Professor MILKS.
- 20a. **Pharmacology.** A continuation of course 20. Second term.
21. **Materia Medica and Pharmacy Laboratory.** First term, five hours a week. Professor MILKS.
22. **Diseases of the Small Animals.** Second term, third year. Professor MILKS.
23. **Recitations in Materia Medica and Therapeutics.** First term, fourth year. Professor MILKS.
24. **Advanced Work.** Professor MILKS.
25. **Small Animal Clinic.** Six actual hours a week throughout the third and fourth years. Professor MILKS.

ZOOLOGY

- 1a. **Elements of Zoology.** Second term, credit three hours. Assistant Professor REED. Laboratory fee, \$3.

ANIMAL HUSBANDRY

20. **General Elementary Course in Animal Husbandry.** For students in the New York State Veterinary College only. Throughout the year, credit three hours each term. Professors WING, HARPER, and SAVAGE.

SURGERY

- 30. **General Surgery.** Second term, second year. Prerequisite, courses 1, 2, and 3 in anatomy, course 11 in physiology, course 6 in histology and embryology, and course 40 in general pathology. Professor FROST.
- 31. **Surgical Exercises.** First term, third year. Professor FROST and Dr. HOPPER.
- 32. **Special Surgery.** First term, third year. Professor FROST.
- 33. **Surgical Clinics.** Throughout the fourth year. Prerequisite, courses 30 and 31. Professor FROST and Dr. HOPPER.
- 34. **Consulting Clinic.** Six actual hours a week for three terms. Professor FROST and Dr. HOPPER.

OBSTETRICS AND DISEASES OF BREEDING CATTLE; JURISPRUDENCE

- 35. **Jurisprudence.** A series of eight lectures. Second term, third year.
- 36. **Obstetrics.** Second term, fourth year. Professor WILLIAMS. Prerequisite, course 30.
- 37. **Diseases of the Genital Organs of Cattle, Sterility, Abortion.** Second term, fourth year. Professor WILLIAMS.

COMPARATIVE PATHOLOGY, BACTERIOLOGY, AND MEAT INSPECTION

- 40. **General Pathology.** First term. Prerequisite, normal histology and at least one year's work in anatomy and physiology. Professor MOORE and Dr. GOLDBERG.
- 41. **Special Pathology.** Third year. Prerequisite, course 40. Dr. GOLDBERG.
- 42. **Pathology of Infectious Diseases.** Second term, third year. Open to students who have taken courses 40 and 41, and have taken or are taking course 43. Professor MOORE and Dr. GOLDBERG.
- 43. **Bacteriology.** Second term. Open to students who have taken or are taking course 6 in microscopy. Professor MOORE and Dr. HAGAN. The lecture may be taken as a two-hour course.
- 44. **Parasites.** First term. Dr. HAGAN.
- 45. **Research in Bacteriology and Pathology.** Prerequisite, courses 40 and 43. Professor MOORE, Dr. GOLDBERG and Dr. HAGAN.
- 45a. **Haematology.** Second term, two hours. Dr. GOLDBERG.
- 46. **Laboratory Methods of Diagnosis.** Prerequisite, courses 40 and 43. Dr. HAGAN.
- 47. **Post Mortem Examinations.** Throughout the senior year. Dr. GOLDBERG.
- 48. **Meat and Dairy Inspection.** Second term, fourth year. Professor MOORE.
- 49. **Seminary.** Throughout the year. For graduate and advanced students. Professors MOORE, GOLDBERG and HAGAN.

VETERINARY MEDICINE

- 50. **Veterinary Medicine, Principles and Practice.** First term, third year. First term, fourth year. Professor UDALL or Dr. WAY.
- 51. **Physical Diagnosis.** Second term, second year. First term, third year. Dr. WAY.
- 51. **Horseshoeing.** Fourth year. Assistant Professor ASMUS.
- 53. **Ambulatory Clinic.** Professor UDALL and Dr. WAY.
- 55. **Ophthalmology.** Second term, fourth year. Dr. WAY.
- 56. **Hygiene.** Second term, fourth year. Dr. WAY.

THE COLLEGE OF AGRICULTURE

For detailed information concerning the work of the College of Agriculture, candidates for admission to that college should consult the Announcement of the College of Agriculture which will be sent gratis on application to the Secretary of the University.

Instruction in agricultural subjects has been a part of the work of Cornell University since its foundation. The Department of Agriculture, which had charge of this instruction during the earlier years of the University, was in 1888 succeeded by the College of Agriculture, which was in that year organized and established as a separate college of the University. In 1904 the College of Agriculture became, by an Act of the Legislature, the New York State College of Agriculture, and the equipment of the College of Agriculture of Cornell University along with the annual appropriations made by the University for the support of agricultural instruction, was employed and continued to be employed to strengthen and support the work of the New York State College of Agriculture.

The College of Agriculture as it exists today is in large part supported by the State of New York, and is administered by Cornell University under the direction of a committee of its Board of Trustees known as the Agricultural College Council. In respect of all academic interests, the College of Agriculture is an integral part of Cornell University.

The Federal Experiment Station at Cornell University was organized in 1887, and is in charge of the Dean of the College of Agriculture. The annual federal appropriation is devoted wholly to experimental work and research in the Departments of Plant Breeding, Soil Technology, and Entomology.

STAFF OF INSTRUCTION AND EXTENSION WORK

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
ALBERT RUSSELL MANN, B.S.A., A.M., Dean of the College of Agriculture,
Director of the Experiment Station, and Director of Extension.
ISAAC PHILLIPS ROBERTS, M.Agr., Emeritus Professor of Agriculture.
JOHN HENRY COMSTOCK, B.S., Emeritus Professor of Entomology and General
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JOHN LEMUEL STONE, B.Agr., Emeritus Professor of Farm Practice.
HENRY HIRAM WING, M.S. in Agr., Professor of Animal Husbandry.
THOMAS LYTTELTON LYON, Ph.D., Professor of Soil Technology.
JAMES EDWARD RICE, B.S.A., Professor of Poultry Husbandry.
GEORGE WALTER CAVANAUGH, B.S., Professor of Chemistry in its Relations to
Agriculture.
GEORGE NIEMAN LAUMAN, B.S.A., Professor of Rural Economy.
HERBERT HICE WHETZEL, M.A., Professor of Plant Pathology.
GEORGE FREDERICK WARREN, Ph.D., Professor of Farm Management.
WILLIAM ALONZO STOCKING, M.S.A., Professor of Dairy Industry.
WILFORD MURRY WILSON, M.D., Professor of Meteorology.
RALPH SHELDON HOSMER, B.A.S., M.F., Professor of Forestry.
JAMES GEORGE NEEDHAM, Ph.D., Professor of Entomology and Limnology.
ROLLINS ADAMS EMERSON, D.Sc., Professor of Plant Breeding.
HARRY HOUSER LOVE, Ph.D., Professor of Plant Breeding.
DONALD REDDICK, Ph.D., Professor of Plant Pathology.
EDWARD GERRARD MONTGOMERY, M.A., Professor of Farm Crops.

- GEORGE ALAN WORKS, B.Ph., M.S. in Agr., Professor of Rural Education.
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HUGH CHARLES TROY, B.S.A., Professor of Dairy Industry.
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CYRUS RICHARD CROSBY, A.B., Extension Professor of Entomology.
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 ROBERT STEARNS KIRBY, B.S., M.S., Instructor in Plant Pathology.
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ASSISTANTS

ADA ELGIVA GEORGIA, Assistant in Natural History.
 EMMONS WILLIAM LELAND, B.S.A., Superintendent of Field Experiments in Soil Technology.
 CHARLES EDWARD HUNN, Assistant in Plant Propagation.
 WILLIAM THOMAS CRAIG, Assistant in Plant Breeding Investigations.
 WALTON I. FISHER, Assistant in Plant Breeding Investigations.
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WILLARD WALDO ELLIS, A.B., LL.B., Librarian.

ADMISSION, TUITION, AND ACADEMIC YEAR

For admission to the College of Agriculture, see page 45.

For tuition in the College of Agriculture, see page 52.

In addition to the two terms into which, in the other colleges of the University, with the exception of the Medical College in New York City, the academic year is divided, the College of Agriculture has provided, and first put into effect in 1914, a third term extending from June through September. The work of the third term is intended for upperclassmen and for graduate students, and no student is allowed to register in the third term if he has not completed the required work of the freshman and of the sophomore year in the College of Agriculture.

THE DEGREE OF BACHELOR OF SCIENCE

The undergraduate instruction for regular students in the College of Agriculture leads to the degree of Bachelor of Science, the requirements for which are residence for eight terms and the completion of one hundred and twenty hours of required and elective work. For the requirements in military science and tactics and in physical culture, see page 194.

Required Subjects. English, 6 hours; Botany, Biology, or Zoology, 6 hours; Chemistry or Physics, 6 hours; Physiology (Physiology of Domestic Animals, Human Physiology, or Plant Physiology), 3 hours; Political Science, 6 hours; Botany, Zoology, Bacteriology, Chemistry, Physics, Geology, Physical Geography, Mathematics, Drawing, 18 hours.

Students who do not present chemistry for entrance are required to take chemistry. Students who do not present physics for entrance are required to take physics. Students other than those specializing in home economics who do not present geology or physical geography for entrance are required to take one of these subjects. Professional students in forestry and landscape art who do not offer solid geometry and plane trigonometry for entrance are required to take these subjects in their freshman year. Not less than twenty-four hours of the required work is to be taken in the freshman year, including English, botany, biology, or zoology; and physics or chemistry.

Elective Subjects. The remainder of the required one hundred and twenty hours must consist of subjects elected under the following restrictions:

1. Not more than twenty hours may be taken in courses given in other colleges of the University.

2. In selecting his course after the first year the student must obtain the advice and approval of a faculty adviser, preferably in the Department in which he expects to specialize, who shall be chosen by the student at the beginning of the sophomore year. Students expecting to specialize in forestry, landscape art, rural education, or home economics must take as their advisers professors or assistant professors in those Departments. All students who are preparing to teach are recommended to consult the Professor of Rural Education as well as their Faculty adviser before filing their term schedules.

A student who receives twelve or more hours of college credit at entrance, see page 51, may be regarded as having satisfied one of the required terms of residence.

A student who has satisfied the entrance requirements of this College, and has afterward completed in two or more summer sessions in Cornell University at least twelve hours of work in courses approved by the departments concerned, may be regarded as having thus satisfied one term of residence. Under no circumstances shall work done in summer sessions be accepted as the equivalent of more than two terms of residence. The maximum amount of credit toward the degree of Bachelor of Science which is allowed for the work in any one summer session is seven hours.

A student admitted to the College of Agriculture from another college in Cornell University, or from any other institution of collegiate rank, will be regarded as having completed the number of terms and hours to which his records entitle him, and will receive all the privileges of students who have completed the same number of terms and hours by residence in the College. In order, however, to obtain the degree of Bachelor of Science, he must have completed the prescribed subjects in the four-year course and the requisite number of elective hours in agricultural subjects. He must also have been in residence in the College of Agriculture for at least two terms and must have completed not less than fifteen hours a term, of which two-thirds, at least, must be subjects taught by the staff of the College of Agriculture.

A student must register for at least twelve hours each term, and no new student may register for more than eighteen hours.

All men students except those whose record and registration at the beginning of the senior year show that they are specializing in botany, home economics, forestry, landscape art, or entomology, must fully satisfy, before the beginning of

the senior year, the requirement in farm practice. This requirement is the equivalent of a year or more of actual farm work.

All women students specializing in home economics must satisfy the practice requirement in home economics before the beginning of the senior year. This requirement is equivalent to ten weeks of actual independent housekeeping experience. In order to meet this the student must have a good working knowledge of the care and management of the house and of food preparation. Exemption from this requirement is allowed only to students who are preparing themselves to become specialists in clothing and who have not been required to take the routine courses in foods and nutrition.

Passing grades are designated A, B, C, D, and P. Students with the grade C receive normal credit toward graduation; grade B, 10 per cent additional credit; grade A, 20 per cent additional credit; grade D, credit reduced 10 per cent; and grade P, credit reduced 20 per cent. No student may be graduated in less than eight terms unless his work in the College of Agriculture averages 15 per cent excess credit.

Curriculum of Seven Years in Agriculture and Veterinary Medicine

A regular student may be registered in both the College of Agriculture and the New York State Veterinary College with the following restrictions:

1. Completion of all specifically required courses.
2. Credit of ninety hours, none of which is in the Veterinary College.
3. Permission of both the Faculties concerned.

Such a student may be recommended for his degree in the College of Agriculture when he has met the following requirements:

1. Completion of thirty hours, of which not less than twelve shall be for courses taught in the New York State College of Agriculture.
2. Fulfillment of both the group and the agricultural elective requirements of the College of Agriculture.

On completion of the remaining three years, if he meets the requirements of the State Veterinary College, he will receive the degree of doctor of veterinary medicine.

EXTENSION WORK

The chief phases of the extension work of the College of Agriculture, in addition to Farmers' Week held in Ithaca, are special lectures and demonstrations in various parts of the State of New York; farm visits, cooperative experiments, and fair exhibits; the maintenance of traveling schools and of demonstration schools; the conduct of reading courses and the organization of study clubs.

WINTER COURSES

The winter courses are eight in number: 1. Agriculture; 2. Dairy Industry; 3. Poultry Husbandry; 4. Fruit Growing; 5. Home Economics; 6. Flower Growing; 7. Vegetable Gardening; 8. Game Breeding. All the winter courses began on November 5, 1919, and closed on February 13, 1920. The practice period on the game farm was from March 1, 1920, to August 31, 1920.

The minimum age requirement for admission to the winter courses is eighteen years. There are no academic requirements for admission, and no credit toward graduation may be earned in the winter courses.

COURSES OF INSTRUCTION

ELECTIVE COURSES OPEN TO FRESHMEN

Agricultural Chemistry 85; Animal Husbandry 1, 2, 5, 10, 11; Aquiculture 51; Bibliography 1, 2; Biology 1, 1a; Botany 1, 2, 3, 4a, 4b; Chemistry 1, 6, 7; Dairy Industry 1, 6, 14; English 1; Entomology 2, 4, 5, 10; Field Ornithology 6; Floriculture 1, 9; Forestry 1, 2, 3, 5, 6 (by special permission); French 1, 2, 3, 3a, 4, 4a, 5, 5a, 6; Geology 1, 2, 11, 21; German 1, 1a, 3, 3a, 4, 5, 8; Greek 1, 2; History 1, 2, 31, 32; Home Economics 1, 35, 60, 90, 180; Italian 1, 2; Landscape Art 2, 30; Latin A, B, 1, 2; Mathematics 1, 2, 2E, 3, 5, 6, 7, 8, 15; Meteorology 1; Music 1, by examination; Natural History of the Farm 1; Physics 1, 2, 3, 4a, 4b, 7, 10; Physiology 3, 6; Poultry Husbandry 1, 2a, 3, 3a, 10; Rural Economy 1; Rural Engineering 3, 20, 30; Spanish 1, 2, 3, 4a, 4b, 5; Zoology 1, 5, 6, 12.

AGRICULTURAL CHEMISTRY

85. **Agricultural Chemistry, General Course.** Second term, credit four hours. Professor CAVANAUGH and Assistant Professor RICE.

86. **Agricultural Chemistry, Introductory Laboratory Course.** Second term, credit two hours. Prerequisite, Chemistry 6 and 32 (or, preferably, Chemistry 7, 12, and 30); to be accompanied or preceded by course 85. Assistant Professor RICE.

87. **Chemistry of Fertilizers and Insecticides.** First term, credit three hours. Prerequisite, course 85. Professor CAVANAUGH.

88. **Chemistry of Fertilizers and Insecticides, Laboratory Course.** First term, credit three hours. Prerequisite, course 86; must be preceded or accompanied by course 87. Assistant Professor RICE.

89. **Chemistry of Fertilizers, Advanced Course.** Second term, credit three or more hours. Prerequisite, courses 87 and 88, or their equivalent. Professor CROSS.

100. **Chemistry of Insecticides and Fungicides, Advanced Course.** First or second term, credit two or more hours. Prerequisite, courses 87 and 88. Professor CAVANAUGH.

72. **Chemistry of Foods and Food Products.** Second term, credit two hours. Prerequisite, Chemistry 30 or 32. Professor CAVANAUGH.

102. **Chemistry of Foods, Elementary Laboratory Course.** Second term, credit two hours. Prerequisite, Chemistry 32. Assistant Professor RICE.

103. **Chemistry of Foods and Food Products, Laboratory Course.** Second term, credit two hours. Prerequisite, Chemistry 6 and 32 (or, preferably, Chemistry 7, 12, and 30.) Assistant Professor RICE.

104. **Chemistry of Household Textiles.** Second term. Prerequisite, course 32.

105. **Chemistry of Food and Nutrition, Advanced Course.** First term, credit three hours. Prerequisite, course 72. Professor CROSS.

106. **Food Analysis, Advanced Laboratory Course.** First term, credit three hours. Prerequisite, course 103; must be preceded or accompanied by course 96. Assistant Professor RICE.

107. **Chemistry of Dairy Products.** First or second term, credit two or more hours. Prerequisite, courses 105 and 106. Professor CAVANAUGH, Professor CROSS, or Assistant Professor RICE.

108. **Chemistry of Fats and Oils.** First or second term, credit three or more hours. Prerequisite, courses 105 and 106. Professor CROSS.

109. **The Chemistry of Sugars.** First or second term, credit three or more hours. Prerequisite, courses 105 and 106. Professor CROSS.

110. **Chemistry of Plant Products.** Second term, credit three or more hours. Prerequisite, courses 105 and 106. Professor CROSS.

ANIMAL HUSBANDRY

1. **Principles and Practice of Feeding Animals.** First term, credit three hours. Professor SAVAGE and Mr. LUKENS.

2. **Principles of Animal Breeding.** Second term, credit three hours. Professor WING, Mr. ALLEN, and assistants.

5. **The Horse.** Second term, credit three hours. Professor HARPER and assistants.

6. **Horse Training, Practical Course.** First term, credit two hours. Prerequisite, course 5; registration limited; admission by permission only. Professor HARPER and assistant.

7. **Mechanics of the Horse.** First term, credit three hours. Prerequisite, course 5. Professor HARPER.

10. **Dairy Cattle.** First term, credit four hours. Professor WING, Mr. ALLEN, and assistants.

11. **Beef Cattle, Sheep, and Swine.** First term, credit three hours. Professor SEULKE and assistants.
12. **Meat and Meat Products.** First or second term, credit three hours. Professor SEULKE.
13. **Beef Cattle, Sheep, and Swine, Advanced Course.** Second term, credit two hours. Prerequisite, course 11. Professor SEULKE and assistants.
14. **The Microscopic Study of Feeds for Animals.** Second term, credit two hours. Assistant Professor MAYNARD.
15. **Principles of Feeding, Advanced Course.** Second term, credit three hours. Prerequisite, course 1 and Veterinary Physiology 12. For advanced and graduate students. Professor SAVAGE.
16. **Principles of Animal Genetics, Advanced Course.** Second term, credit two hours. Professor HARPER.
17. **Advanced Stock Judging.** First and second terms, credit one hour a term. Professors WING, HARPER, SAVAGE, and HOPPER, and assistants.
18. **Seminary.** First and second terms, without credit. Required of all graduate students taking either a major or a minor subject in the Department. Advanced undergraduates will be admitted by permission, and if a satisfactory thesis on an approved subject is presented may receive not to exceed two hours credit. Departmental staff.
20. **General Elementary Course in Animal Husbandry.** For students in the New York State Veterinary College only. Throughout the year, credit three hours each term. Professors WING, HARPER, and SAVAGE.
30. **Health and Diseases of Animals.** First term, credit three hours. Professors MOORE and WILLIAMS.
31. **Horseshoeing.** Second term, credit one hour. Professor ASMUS.

BOTANY

1. **General Botany.** First and second terms, credit three hours a term. Professor SCHRAMM, Misses STRATTON and RANE, Messrs. BECHTEL, MUENSCHER, RANDOLPH, CLUM, and WILSON, and others. Laboratory fee, \$2.50 a term; deposit, \$3, for first term only.
2. **Forest Botany.** First term, credit three hours. Prerequisite, course 1 or its equivalent. Mr. BECHTEL. Laboratory fee, \$3; deposit, \$2.
4. **Microscopic Wood Technology.** First term, credit two hours. Prerequisite, courses 1 and 2 or an equivalent. Assistant Professor EAMES. Laboratory fee, \$4.
5. **Grasses.** Second term, credit two hours. Prerequisite, course 1 or its equivalent. Professor WIEGAND and assistant. Laboratory fee, \$2.
6. **Taxonomy of the Higher Plants.** Second or third term, credit four hours. Prerequisite, course 1 or its equivalent. Professor WIEGAND, Mr. BECHTEL and assistant. Laboratory fee \$4; deposit, \$2.
- 6a. **Advanced Field Course in Taxonomy.** Third term, credit four hours. Prerequisite, course 6 or its equivalent. Professor WIEGAND. Laboratory fee, \$4; deposit, \$2.
7. **Weeds and Weed Seeds.** Third term, credit two hours. Prerequisite, course 1 or its equivalent. Mr. BECHTEL. Laboratory fee, \$2.
9. **Histology.** First or third term, credit four hours. Prerequisite, course 1 or its equivalent. Assistant Professor EAMES and assistant. Laboratory fee, \$5.
10. **Cytology.** Second term, credit five hours. Prerequisite, course 1 or its equivalent. Assistant Professor SHARP and Mr. WANN. Laboratory fee, \$5.
11. **Methods in Histology and Cytology.** First term, credit three hours. Prerequisite, course 1 or its equivalent. Assistant Professors EAMES and SHARP, and Mr. WANN. Laboratory fee, \$5.
12. **Comparative Morphology of Algæ.** Second term, credit four hours. Prerequisite, course 1 or its equivalent. Professor SCHRAMM. Laboratory fee, \$5.
13. **Comparative Morphology of Bryophytes and Pteridophytes.** First term, credit four hours. Prerequisite, course 1 or its equivalent. Assistant Professor SHARP and Mr. WANN. Laboratory fee, \$5. (See statement under course 12.)
14. **Comparative Morphology of Spermatophytes.** Second term, credit four hours. Prerequisite, course 1 or its equivalent, and course 13. Assistant Professor SHARP and Mr. WANN. Laboratory fee, \$5. (See statement under course 12.)
- [15. **Comparative Morphology of Fungi.** First term, credit two hours. Prerequisite, course 1 or its equivalent. Professor SCHRAMM.] Not given in 1919-1920. Laboratory fee, \$2.50.
20. **Plant Physiology.** First or second term, credit four hours. Prerequisite, all freshman work or its equivalent, and course 1. This course may be taken to satisfy the requirement in physiology. Professor KNUDSON, Assistant Professor CURTIS, and Messrs. BRANNON, GRIMM, NANTZ, and assistant. Laboratory fee, \$4; breakage fee, \$2.
21. **Plant Physiology, Advanced Lecture Course.** First and second terms, credit three hours a term. Prerequisite, training in botany and chemistry, to be determined in each case by the Department. Recommended for seniors and graduate students. Professor KNUDSON and Assistant Professor CURTIS.
- 21a. **Plant Physiology, Advanced Lecture Course.** Third term, credit four hours. Prerequisites as in course 21. Professor KNUDSON or Assistant Professor CURTIS.

22. **Plant Physiology, Advanced Laboratory Course.** First and second terms, credit three hours a term. Must be preceded or accompanied by course 21. Professor KNUDSON, Assistant Professor CURTIS and Mr. BRANNON. Laboratory fee, \$5; breakage deposit, \$2.

22a. **Plant Physiology, Advanced Laboratory Course.** Third term, credit six hours. Requirements as in course 22. Professor KNUDSON or Assistant Professor CURTIS.

Courses 21 and 22 or 21a and 22a are comprehensive courses and are recommended for students specializing in plant study, including the applied subjects. Laboratory fee, \$10; breakage deposit, \$5.

[26. **Physiology of Fermentation.** First term, credit three hours. Prerequisite, required work through the sophomore year, bacteriology, and course 20 or 21.] Not given in 1919-1920. Laboratory fee, \$5.

Courses intended primarily for graduates

18. **Research in General Botany, Taxonomy, Histology, Cytology, and Algae.** Throughout the year, credit not less than three hours a term. Professors WIEGAND and SCHRAMM, Assistant Professors EAMES and SHARP. For graduates and advanced students.

19. **Seminary in Taxonomy, Morphology, Cytology, and Histology.** Throughout the year. Required of graduate students in these subjects. Assistant Professors SHARP and EAMES, and other members of the Department.

[30. **Special Chapters in Metabolism.** Third term, credit one hour or more. Professor KNUDSON.] Not given in 1919-1920.

31. **Seminary in Plant Physiology.** Throughout the year, credit one hour a term. Required of graduates taking work in the Department. Professor KNUDSON and Assistant Professor CURTIS.

33. **Research, Plant Physiology.** Throughout the year, credit for major or minor, otherwise not less than four hours a term. Prerequisite, adequate training in botany, chemistry, and physiology. Professor KNUDSON and Assistant Professor CURTIS.

DAIRY INDUSTRY

1. **Milk Composition and Tests.** First or second term, credit three hours. Professor TROY, Assistant Professor MCINERNEY, Mr. PERRY, and assistant. Laboratory deposit, \$3, part returnable.

2. **Butter.** First or second term, credit three hours. Must be preceded or accompanied by courses 1 and 6; for regular students only. Professor GUTHRIE and Mr. JACKSON. Laboratory deposit, \$4, part returnable.

3. **Cheese.** First term, credit four hours. Prerequisite, courses 1 and 6; should be preceded or accompanied by course 8. Assistant Professor FISK and assistant. Laboratory deposit, \$2.50, part returnable.

4. **Bacteriology, Elementary Course.** First term, credit four hours. For regular students only, except by special permission. Professor STOCKING and Messrs. WHITING and DOWNS. Laboratory deposit, \$4, part returnable.

5. **General Dairy Industry.** First term, credit four hours. Open only to those who are fitting themselves for teachers of agriculture in high schools. Professor ROSS and assistant. Laboratory deposit, \$3, part returnable.

6. **Market Milk and Milk Inspection.** Second term, credit four hours. Must be preceded or accompanied by course 1; should be preceded or accompanied by courses 4 and 8. Professor ROSS and assistant. Laboratory deposit, \$3, part returnable.

7. **Testing and Composition of Dairy Products, Advanced Course.** Second term, credit two hours. Prerequisite, course 1 and Chemistry 6. Open to juniors, seniors, and graduates. Professor TROY, Assistant Professor MCINERNEY, Mr. PERRY, and assistant. Laboratory deposit, \$5, part returnable.

8. **Dairy Bacteriology.** Second term, credit four hours. Must be preceded or accompanied by course, and preceded by course 4 or its equivalent; open to regular students only. Professor STOCKING, and Messrs. WHITING and DOWNS. Laboratory deposit, \$4, part returnable.

9. **Butter, Advanced Course.** Second term, credit three hours. Must be preceded by a good record in course 2. Professor GUTHRIE and Mr. JACKSON. Laboratory deposit, \$4, part returnable.

10. **Fancy Cheese.** Second term, credit two hours. Prerequisite, courses 1 and 3. Assistant Professor FISK and assistant. Laboratory deposit, \$2, part returnable.

11. **Ice Cream.** Second term, credit two hours. Prerequisite, courses 1 and 14 or their equivalent. Assistant Professor FISK and assistant. Laboratory deposit, \$2, part returnable.

12. **Seminary.** First or second term, credit one hour. For advanced students; required of graduate students taking work in the Department. Professors STOCKING, ROSS, TROY, and GUTHRIE, and Assistant Professors FISK and MCINERNEY.

13. **Research.** First or second term, credit one or more hours, by arrangement. For advanced students. Professors STOCKING, ROSS, TROY, and GUTHRIE, and Assistant Professors FISK and MCINERNEY. Laboratory deposit, \$2 for each credit hour, part returnable.

14. **General Agricultural Bacteriology.** First term, credit three hours. Professor STOCKING, and Messrs. WHITING and DOWNS. Laboratory deposits, \$4, part returnable.

15. **Bacteriology for the Home.** Second term, credit three hours. Messrs. WHITING and DOWNS. Laboratory deposit, \$4, part returnable.
19. **Cheddar Cheese, Advanced Course.** Second term, credit two hours. Prerequisite, a good record in course 3. Assistant Professor FISK. Laboratory deposit, \$2, part returnable.

DRAWING

The courses in drawing are transferred to the Departments of Landscape Art and Rural Engineering, and are open to general election as heretofore.

ENTOMOLOGY, LIMNOLOGY, AND ORNITHOLOGY

Biology

1. **General Biology.** Throughout the year, credit three hours a term. Professor NEEDHAM, Assistant Professor CLAASSEN, and assistants. Laboratory fee, \$2.50.

Introductory Entomology

For advanced work in entomology a reading knowledge of French or German is essential. Chemistry 1 and 6 or their equivalents are highly desirable.

1. (See Biology, course 1.)
2. **The Ecology of Insects.** Third term, credit three hours. Professor NEEDHAM and Mr. LLOYD. Laboratory fee, \$2.50.
3. **General Entomology.** First or third term, credit three hours. Prerequisite, course 1, Zoology 1, or Botany 1. Professors HERRICK and MATHESON, and Messrs. DETWILER and BUYS. Laboratory fee, \$1.50.
- 3a. **General Economic Entomology.** Second or third term, credit three hours. Prerequisite, course 3. Professors HERRICK and MATHESON, and Messrs. DETWILER and BUYS. Laboratory fee, \$1.50.
4. **Elementary Morphology of Insects.** First, second, or third term, credit three hours. Professor JOHANNSEN, Mr. WELLHOUSE and assistant. (See note under course 5.) Laboratory fee, \$2.
5. **Elementary Systematic Entomology.** First, second, or third term, credit two hours. Prerequisite, course 4. Assistant Professor BRADLEY, Mr. WELLHOUSE and assistant. Laboratory fee, \$2.

Apiculture

- [9. **General Beekeeping.** Second or third term, credit three hours. Prerequisite, first term of course 3.] Not given in 1919-1920. Laboratory fee, \$2.

Systematic Entomology

[10. **Entomotaxy.** Third term, credit two or three hours. Assistant Professor BRADLEY and assistant.] Not given in 1919-1920. Laboratory fee, \$3.

11. **Advanced Systematic Entomology.** First term, credit three or more hours. Prerequisite, course 5. Professor JOHANNSEN. Laboratory fee, \$6.

12. **Taxonomy of Insects.** Throughout the year, credit four hours a term. Prerequisite, courses 3, 4, 5, 11, 14, and 20, and preferably 10. Professors NEEDHAM and JOHANNSEN, Assistant Professors BRADLEY and MATHESON, and cooperating specialists. Laboratory fee, \$4.50.

G. Hymenoptera. Summer term, 1919. Assistant Professor BRADLEY.

D. Lepidoptera. First term, 1919-20. Dr. FORBES.

H. Orthoptera. Second term, 1919-20. Professor JOHANNSEN.

F. Neuroptera. Summer term, 1920. Professors NEEDHAM and BETTEN, and Mr. LLOYD.

[I. Coleoptera. First term, 1920-21. Assistant Professor BRADLEY.]

[A. Heteroptera, Physopoda, Mallophaga. Second term, 1920-21. Professor JOHANNSEN.]

[B. Homoptera. Summer term, 1921.]

[E. Diptera. First term, 1921-22.]

[13. **Classification of the Coccidae.** First term, credit two hours. Prerequisite, courses 4, 5, and 11. Assistant Professor BRADLEY.] Not given in 1919-1920. Laboratory fee, \$3.

[14. **Entomological Literature and its Technics.** First term, credit three hours. Prerequisite, courses 3 or 5, or Zoology 5. Assistant Professor BRADLEY.] Not given in 1919-1920.

19. **Research in Systematic Entomology.** Throughout the year, credit three or more hours a term. Prerequisite, courses 3, 10, 11, 14, and 20, and one term of course 12. Professors NEEDHAM and JOHANNSEN, and Assistant Professor BRADLEY. Laboratory fee, 50 cents a credit hour.

Insect Morphology

20. **Morphology and Development of Insects.** First and second terms, credit two hours a term. Prerequisite, courses 3 (first term), 4, and 5. Professor JOHANNSEN.
21. **Histology of Insects.** First or second term, credit three or more hours. Prerequisite, courses 3 (first term), 4, 5, and 20. Professor JOHANNSEN. Laboratory fee, \$1.50 a credit hour.
29. **Research in Morphology of Insects.** Throughout the year, credit three or more hours a term. Prerequisite, courses 3, 4, and 5. Professors JOHANNSEN and NEEDHAM. Laboratory fee, \$1.50 a credit hour.

Economic Entomology

30. **Parasites and Parasitism.** Second term, credit two hours. Prerequisite, course 3. Assistant Professor MATHESON and Mr. MEUSEBECK. Laboratory fee, \$2.
31. **Relations of Insects to Disease.** First term, credit two hours. Prerequisite, first term of course 3. Professor JOHANNSEN. Laboratory fee, \$2.
40. **Advanced Economic Entomology and Insectary Methods.** Second term, credit three hours. Open only to qualified seniors and graduates. Assistant Professor MATHESON. Laboratory fee, \$2.50.
41. **Forest Insects.** Second term, credit two hours. Prerequisite, first term of course 3. Professor HERRICK.
49. **Research in Economic Entomology.** Throughout the year, credit three or more hours a term. Prerequisite, courses 3, 4, and 5. Professor HERRICK, Assistant Professor MATHESON and Mr. MEUSEBECK.

Limnology

50. **General Limnology.** Second or third term, credit three hours. Open only to students who have taken or are taking courses 1 and 3, or the equivalent. Professor NEEDHAM and Mr. LLOYD. Laboratory fee, \$2.50.
51. **Aquiculture.** Second term, credit two hours. Assistant Professor EMBODY.
52. **Fish Culture.** First and second terms, credit one or two hours a term. Must be preceded or accompanied by course 51. Assistant Professor EMBODY. Laboratory fee, \$1.50 a credit hour.
53. **Plancton.** Second and third terms, credit one hour a term. Prerequisite, permission to register. Professor JOHANNSEN and Mr. LLOYD. Laboratory fee, \$1.50.
58. **Research in Aquiculture.** Throughout the year, credit three or more hours a term. Prerequisite, courses 50, 51, and 52. Assistant Professor EMBODY.
59. **Research in Limnology.** Throughout the year, credit three or more hours a term. Prerequisite, course 50 or its equivalent. Professor NEEDHAM and Assistant Professor EMBODY.

Ornithology

6. **Field Ornithology.** Second term, credit three hours. Assistant Professor ALLEN and Mr. LEISTER. Laboratory fee, \$2.
- [9. **Advanced Ornithology.** First term, credit three hours. Prerequisite, course 6 or Zoology 5. Assistant Professor ALLEN.] Not given in 1919-1920. Laboratory fee, \$2.
11. **Economic Ornithology and Mammalogy.** First term, credit three hours. Should be preceded by course 6 or Zoology 5; presupposes an elementary knowledge of botany and entomology. Assistant Professor ALLEN and Mr. LEISTER. Laboratory fee, \$2.

Seminaries

Throughout the year. The work of an entomological seminary is conducted by the Jugatae, an entomological club which meets for the discussion of the results of investigations by its members.

EXTENSION TEACHING

1. **Extension Work.** First term, credit two hours. Open to juniors and seniors, and to others by arrangement. Public Speaking I should precede this course. Professors EVERETT and WHEELER, Mr. WHITNEY, and assistant.
2. **Extension Work.** Second term, credit two hours. Prerequisite, course 1, of which course 2 is a continuation. Professors EVERETT and WHEELER, Mr. WHITNEY and assistant.
3. **Extension Work, Advanced Course.** First term, credit two hours. Prerequisite, courses 1 and 2. Professors BURRITT, WHEELER, and CROSBY.
5. **Agricultural Journalism.** First term, credit two hours. Open only to those who have passed the required hours in English. Professor ADAMS.
6. **Agricultural News Writing.** Second term, credit one hour. Open only to those who have had course 5 or its equivalent. Professor ADAMS.

FARM CROPS

1. **Cereals, Forage Crops, and Miscellaneous Crops.** First or second term, credit four hours. To be preceded or accompanied by Soils 1 and Botany 1. Mr. DYNES. Laboratory fee, \$2.
2. **Farm Crops, Advanced Course.** First term, credit three hours. Prerequisite, course 1. Professor MONTGOMERY.
4. **Special Cash Crops.** First or second term, credit three hours. To be preceded or accompanied by course 1 and Botany 1. Assistant Professor HARDENBURG. Laboratory fee, \$2.
5. **Seminary.** First term, without credit. Required of graduate students. Professor MONTGOMERY.
6. **Research.** Throughout the year. Two or more hours a term. Prerequisite, permission to register. Limited to graduate students. Professor MONTGOMERY.

Division of Vegetable Gardening

NOTE: Since much of the subject matter in course 11 is repeated in course 13, credit is not allowed for both courses.

11. **Principles of Vegetable Gardening.** Second term, credit three hours. Must be preceded or accompanied by Botany 1 and Soils 1. Professor H. C. THOMPSON and Assistant Professor SCHNECK. Laboratory fee, \$2.
12. **Vegetable Gardening, Advanced Course.** Second term, credit three hours. Prerequisite, course 11. Professor H. C. THOMPSON and assistant. Laboratory fee, \$2.
13. **Home Vegetable Gardening.** Second term, credit three hours. Assistant Professor SCHNECK. Laboratory fee, \$2.
14. **Vegetable Forcing.** First term, credit three hours. Must be preceded by course 11. Assistant Professor SCHNECK. Laboratory fee, \$2.
15. **Systematic Olericulture.** Credit two hours. Prerequisite, course 11. Professor H. C. THOMPSON and assistant. Laboratory fee, \$2.
16. **Research.** Throughout the year, credit three or more hours a term. For graduate students only. Professor H. C. THOMPSON and Assistant Professor SCHNECK.

FARM MANAGEMENT

1. **Farm Cost Accounting.** First term, credit three hours. Open to juniors and seniors who have passed the farm practice examination. Should precede course 2. Assistant Professor MYERS and assistant. Laboratory fee, \$2.
2. **Farm Management.** Second term, credit four hours. Open to juniors and seniors who have passed the farm practice examination. Professor LIVERMORE and assistant. Laboratory fee, \$2.

Advanced and Graduate Courses

3. **Farm Organization.** First term, credit three hours. Prerequisite, permission to register and courses 1 and 2. No undergraduate will be admitted to this course who has not made an unusually good record in courses 1 and 2. Assistant Professor MISNER and assistant.
4. **Types of Farming in the United States.** Second term, credit two hours. Prerequisite, course 2. Professor WARREN and assistant.
5. **Seminary.** Second term, credit one hour. Open only to graduate students. Professors WARREN and LIVERMORE, and Assistant Professors SCOVILLE, MISNER, and MYERS.
6. **Agricultural Statistics.** First term, credit two hours. Prerequisite, permission to register. Professor WARREN and assistant.
8. **Teachers' Course.** Third term, credit four to six hours. Assistant Professor MISNER.
9. **Research.** Throughout the year, credit one or more hours a term. Prerequisite, permission to register. First and second terms, Professors WARREN and LIVERMORE; third term, Assistant Professor MISNER.

FARM PRACTICE

1. **Farm Practice.** First and second terms, without credit toward graduation but giving credit toward the farm practice requirement, depending on the amount and the quality of the work done. Mr. KIRKLAND and assistants.

FLORICULTURE

1. **Principles and Methods of Greenhouse Practice.** First term, credit three hours. Professor WHITE and Miss MINNS. Laboratory fee, \$2.50.
2. **Greenhouse Construction.** Second term, credit three hours. Assistant Professor LUMSDEN. Laboratory fee, \$1.
3. **Commercial Floriculture.** First term, credit four hours. Prerequisite, courses 1 and 2, Botany 1 and 20, and Soils 1. Professor WHITE and assistant. Laboratory fee, \$2.

4. **Commercial Floriculture.** Second or third term, credit four hours. Prerequisite, course 3. Professor WHITE and Assistant Professor LUMSDEN. Laboratory fee, \$2.
6. **Floral Arrangement.** Second term, credit one hour. Registration limited to fifteen students. Professor WHITE and Miss MINNS. Laboratory fee, \$3.50.
7. **Conservatory Plants.** Second and third terms, credit two hours a term. Prerequisite, course 1. Assistant Professor LUMSDEN. Fee, \$1.
8. **Garden Flowers.** Second or third term, credit three hours. Prerequisite, Botany 1; Botany 8 recommended. Assistant Professor LUMSDEN, Miss MINNS, and assistant. Laboratory fee, \$2.
- 8a. **Grouping and Arrangement of Annuals and Herbaceous Perennials.** Second or third term, credit two hours. Prerequisite, course 8. Assistant Professor LUMSDEN. Laboratory fee, \$2.
9. **Amateur Floriculture.** First, second, or third term, credit three hours. Miss MINNS and assistant. Laboratory fee, \$2.
11. **The History and Literature of Floriculture.** Second term, credit two hours. Designed primarily for seniors and graduate students. Professor BEAL.
12. **Investigation in Floriculture.** Throughout the year, credit one, two, or three hours a term. Prerequisite, courses 1, 3, and 4, and permission to register. Designed primarily for upperclassmen and graduate students. Professors WHITE and BEAL, and Assistant Professor LUMSDEN.
13. **Seminary.** Throughout the year, one hour a term. Required of advanced students who elect course 12, and of all graduate students. Professor WHITE and members of the staff.

FORESTRY

Courses intended primarily for students who do not expect to make forestry their major work. Standing as professional forestry students may not be gained by taking courses 1-5

1. **The Farm Woodlot.** First or second term, credit two hours. Assistant Professor COL-LINGWOOD and Mr. GUISE. Laboratory fee, 50 cents.
Students expecting to take courses 2 and 3 should not elect course 1, as the ground covered in course 1 is repeated in courses 2 and 3.
2. **Elements of Forestry: Mensuration and Management.** Second term, credit three hours. Professor BENTLEY. Laboratory fee, \$1.
3. **Elements of Forestry: Silviculture.** First term, credit three hours. Professor HOSMER. Laboratory fee, \$1.
- [4. **Elements of Forestry: Forest Utilization.** First term, credit two hours. Professor RECKNAGEL.] Not given in 1919-1920.
5. **Conservation of Natural Resources.** First term, credit two hours. Professor ADAMS.

Courses intended for both professional forestry students and for students in other lines

6. **The Field of Forestry.** Second term, credit two hours. Professor SPRING.
7. **Timber Treatment.** Second term, credit three hours. Mr. GUISE. Laboratory fee, \$1.
8. **Wood Technology.** First term, credit three hours. Professor RECKNAGEL. Laboratory fee, \$1.

Courses intended primarily for professional forestry students

Professional forestry students should not elect courses 1, 2, 3, and 4, as the following required professional courses cover the same ground in greater detail. Courses 9, 11, 14, and 15 are open only to professional forestry students.

9. **Forest Utilization.** Third term, credit four hours. Professor BENTLEY.
10. **Forest Engineering.** Second term, credit two hours. Prerequisite, plane trigonometry and one course in surveying. Professor BENTLEY.
11. **Forest Mensuration.** Third term, credit five hours. Professor BENTLEY. Laboratory fee, \$1.50.
12. **Forest Management.** Second term, credit three hours. Prerequisite, courses 11, 14, and 15. Mr. GUISE.
13. **Timber Trees and Forest Regions.** Second term, credit three hours. Professor BENTLEY. Laboratory fee, \$1.
14. **Silviculture: Forest Ecology.** First six weeks of third term, credit three hours. Prerequisite, course 13 and Botany 2 or their equivalents. Professor SPRING. Laboratory fee, 50 cents.
15. **Silviculture: Natural Reproduction and Care of the Forest.** Beginning the seventh week of the third term, credit three hours. Prerequisite, courses 13 and 14. Professor SPRING. Laboratory fee, 50 cents.
16. **Silviculture: Forest Planting and the Forest Nursery.** Second term, credit three hours. Professor SPRING and assistant. Laboratory fee, \$1.50.

18. **Forest Protection.** Second term, credit three hours. Open only to professional forestry students. Professor HOSMER.
19. **Forest Policy, Forest Law, and History of Forestry.** Second term, credit three hours. Professor HOSMER.
20. **Forest Organization.** Third term, credit three hours. Open only to graduate students. Professor RECKNAGEL.
- 20a. **Forest Finance.** First term, credit two hours. Open only to graduate students. Professor RECKNAGEL.
21. **Forest Administration.** First term, credit two hours. Prerequisite, course 20. Professor RECKNAGEL.
22. **Seminary.** First and third terms, two hours a term. Open only to graduate students. Professors HOSMER, SPRING, RECKNAGEL, and BENTLEY, Assistant Professors CHANDLER and COLLINGWOOD, and Mr. GUISE.
23. **Advanced Work.** Throughout the year, credit two or more hours a term. Open to graduate and undergraduate students who have had the necessary training. Professors HOSMER, SPRING, RECKNAGEL, and BENTLEY, Assistant Professors CHANDLER and COLLINGWOOD, and Mr. GUISE.
24. **Research.** Throughout the year, three or more hours a term. Open only to graduate students who have had the necessary training. Professors HOSMER, SPRING, RECKNAGEL, and BENTLEY, Assistant Professors CHANDLER and COLLINGWOOD, and Mr. GUISE.

HOME ECONOMICS

Foods and Nutrition

1. **Cookery, Introductory Course.** First term, credit two hours. Assistant Professors MONSCH and HENRY. Laboratory fee, \$8.
3. **Foods, Elementary Course.** First and second terms, credit four hours a term. Should be taken in the sophomore year. Must be preceded or accompanied by organic chemistry. Misses MOSES and SMITH. Laboratory fee, \$12 a term.
9. **Food Preparation, Advanced Course.** First or second term, credit three hours. Open only to seniors. Prerequisite, course 3. Mrs. BOYS. Laboratory fee, \$12.
22. **Nutrition and Dietetics.** Second term, credit five hours. Should be taken in the junior year. Prerequisite, course 3. Chemistry 32, and Biochemistry 14. Professor ROSE and Assistant Professors MONSCH and HENRY. Laboratory fee, \$10.
23. **Seminary in Nutrition.** First term, credit two hours. Open only to seniors in home economics. Prerequisite, course 22 or its equivalent. Assistant Professor HENRY.
31. **Foods and Nutrition, Teachers' Course.** First or second term, credit two hours. Open only to students preparing to teach. Prerequisite, course 22. Assistant Professor MONSCH.
35. **Foods and Nutrition, Survey Course.** Second term, credit two or four hours for women students, two or three hours for men students. No student will be admitted to the laboratory who is not registered in the lectures. Professor ROSE, Assistant Professor MONSCH and Mrs. BOYS. Laboratory fee, \$5 for each laboratory credit hour.

Institution Management

40. **Organization and Management in Institutions.** First and second terms, credit four hours a term. Open only to seniors; required of all students specializing as dietitians. Mrs. SABY. Laboratory fee, \$5 a term.
41. **Marketing.** Second term, credit two hours. Open only to seniors; required of all students specializing as dietitians.

Clothing and Textiles

60. **Clothing and Textiles, Introductory Course.** First or second term, credit three hours. Required of all students in home economics. Assistant Professor BLACKMORE, and Misses GLEASON and HILLHOUSE. Laboratory fee, to cover cost of laboratory materials, \$3.
61. **Dressmaking, Survey Course.** First term, credit three hours. Prerequisite, course 60 or its equivalent. Miss GLEASON. Laboratory fee, to cover cost of laboratory material, \$3.
70. **Principles and Practice in Clothing Construction and Design, Teachers' Course.** First and second terms. Credit for sophomores, four hours a term; credit for juniors, four hours first term, three hours second term. Open only to students who are preparing to teach. Prerequisite, courses 60 and 90. Miss HUNTER.
80. **Elementary Millinery.** First or second term, credit two hours. Prerequisite, course 60 or its equivalent. Miss HILLHOUSE. Laboratory fee, to cover cost of laboratory materials, \$3.
90. **Textiles.** First term, credit two hours. Required of all students in home economics. Textile chemistry should be taken by those specializing in textiles and clothing. Assistant Professor BLACKMORE. Laboratory fee, to cover cost of laboratory materials, \$3.

Housing and Design

100. **Housing.** First term, credit two hours. Assistant Professor YOUNG. Laboratory fee, \$1.
101. **Elementary Design.** First term, credit two hours. Acting Professor WARNER. Laboratory fee, \$4.
- [102. **Household Design.** First and second terms, credit two hours a term. Acting Professor WARNER.] Not given in 1919-1920. Laboratory fee, \$4 a term.
104. **Design, Advanced Course.** Second term, credit two hours. Prerequisite, course 101. Acting Professor WARNER. Laboratory fee, \$3.

Household Management

120. **Household Management.** First term, credit three hours. Prerequisite, Political Science 51. Required of seniors in home economics. Professor VAN RENSSELAER and Miss KELLEY.
125. **Household and Institution Accounts.** First or second term, credit three hours. Required of all students specializing in institutional management; open only to juniors and seniors. Miss HEALEY.
130. **Household Management Practice.** First and second terms, credit one hour a term. This course will give a credit of two points toward the housekeeping requirement. Prerequisite, course 22. Required of seniors. Misses KELLEY, SMITH, and assistant. Laboratory fee, first term, \$5; second term, \$10.
135. **History of Housekeeping.** First term, credit two hours. Open to sophomores, juniors, and seniors. Acting Professor HAZARD.

Health in the Home

140. **Health in the Home.** First term, credit two hours. Laboratory fee, \$1.

Extension

160. **Extension in Home Economics.** First and second terms, credit three hours. Open to seniors, and to others who have given evidence of their ability to develop this work satisfactorily. Extension Teaching 1, Public Speaking 1, and Rural Organization 1 are recommended. Professor VAN RENSSELAER and Miss THURSTON. Laboratory fee, \$5 a term.

Supervised Study

180. **Supervised Study.** Second term, credit one hour. Open only to freshmen in home economics, and required. Acting Professor HAZARD.

Women in Household, Industrial, and Political Life

190. **Woman and the Family.** Second term, credit three hours. Professor VAN RENSSELAER.
200. **Women in Industry.** First term, credit three hours. Acting Professor HAZARD.
205. **Welfare Supervision of Women in Industry.** Second term, credit three hours. Acting Professor HAZARD.
210. **Woman and the State.** Second term, credit three hours. May be elected by juniors and seniors. Acting Professor HAZARD.

Special Problems

220. **Special Problems.** First and second terms, credit and hours by arrangement. Open only by special arrangement to seniors and graduate students in home economics, and to other qualified persons by special consent. Prerequisite, a fundamental knowledge of home economics. Instruction by members of the departmental staff and others.

LANDSCAPE ART

- [1. **Appreciation of Landscape.** First term, credit one hour. Professor DAVIS.] Not given in 1919-1920.
2. **A Brief Introduction to Landscape Design.** First and second terms, credit two hours a term. Professor DAVIS and Assistant Professor MONTILLON.
3. **History of Landscape Design.** First term, credit two hours. Open to general election and intended for sophomores in landscape art. Professor DAVIS. Laboratory fee, \$1.
4. **Theory and Aesthetics of Landscape Design.** First term, credit one hour. Prerequisite, course 3. Professor DAVIS.
- 4a. **Theory: Planning of Private Properties.** First term, credit one hour. Prerequisite, course 3, and, for students specializing in landscape art, course 4. Professor DAVIS.

4b. **Theory: Planning of Public Properties.** Second term, credit three hours. Prerequisite for landscape students only, courses 3 and 4. Professor DAVIS.

6. **Rural Improvement.** A course of six or more lectures beginning after the Christmas recess, without credit. These lectures are outlined primarily for winter-course students. Professor CURTIS.

9. **Landscape Design, Elementary Course.** First and second terms, credit three hours. Intended for sophomores in landscape art. Assistant Professor MONTILLON. Laboratory fee, \$1.

11. **Landscape Design, Intermediate Course.** First and second terms, credit four hours a term. Prerequisite, courses 3, 4, 4a, 9, 13, 30, 32, and 33, and Architecture 9, 11, and 13. Intended for juniors in landscape art. Assistant Professor MONTILLON, assisted in judgments by the departmental staff. Laboratory fee, \$1 a term.

13. **Plant Materials.** Third term, credit six hours. Prerequisite, Botany 1. Open to general election but intended for juniors in landscape art. Professor CURTIS. Laboratory fee, \$1.50.

13a. **A Brief Introduction to Plant Materials.** First term, credit three hours. Professor CURTIS. Laboratory fee, \$1.50.

15. **Landscape Design, Advanced Course.** First and second terms, credit three or eight hours a term. Prerequisite, courses 11 and 17. Intended for seniors in landscape art. Assistant Professor MONTILLON, assisted by the departmental staff. Laboratory fee, \$1 a term.

Students wishing to elect course 15, 16, or 18, are required to register in all three, registering for eight hours in one, and for three hours in each of the other two.

16. **Landscape Engineering and Details of Construction.** Second and first terms; credit, second term three hours, first term three or eight hours. Interrelated with course 15. Prerequisite, Civil Engineering 10; must be accompanied by Civil Engineering 11a. Intended for seniors in landscape art. Professor DAVIS and Mr. MEIXNER.

17. **Planting Design, Elementary Course.** First term, credit three hours. Prerequisite, course 13. Intended for juniors in landscape art. Professor CURTIS.

17a. **A Brief Introduction to Planting Design.** First term, credit two hours. Prerequisite, courses 2 and 13a. Professor CURTIS.

18. **Planting Design, Advanced Course.** First term, credit three or eight hours. Interrelated with course 15. Prerequisite, course 17. Intended for seniors in landscape art. Professor CURTIS.

20. **Propagation.** First and second terms, credit one hour a term. Mr. HUNN.

30. **Freehand Drawing.** First and second terms, credit two or more hours a term. Professor BAKER and Miss GARRETT.

31. **Freehand Drawing and Outdoor Sketching.** Third term, credit from two to five hours. Prerequisite, course 30 or its equivalent. Professor BAKER.

32. **Freehand Drawing, Advanced Course.** First or second term, credit two or more hours. Prerequisite, course 30 or its equivalent. Professor BAKER and Miss GARRETT.

33. **Perspective.** Third term, credit one hour. Prerequisite, course 30 or its equivalent, and descriptive geometry. Professor BAKER.

34. **Pictures and their Making.** First term, without credit. Open to all who are interested. Professor BAKER.

40. **Seminary.** First and second terms, credit one hour a term. Intended for juniors, seniors, and graduates in landscape art. Departmental staff.

Special Lectures and Excursions. Special lectures on landscape subjects by representative landscape architects, park superintendents, and gardeners.

METEOROLOGY

1. **Elementary Meteorology.** First term, credit three hours. Professor W. M. WILSON and Mr. MORDOFF. Laboratory fee, \$2.

2. **General Climatology.** Second term, credit three hours. Prerequisite, course 1. Mr. MORDOFF. Laboratory fee, \$2.

3. **Meteorology and Climatology.** Second term, credit two hours. Professor W. M. WILSON and Mr. MORDOFF.

4. **Climatology of the United States.** First term, credit two hours. Prerequisite, courses 1 and 2. Mr. MORDOFF. Laboratory fee, \$1.

7. **Instrumental Meteorology.** Second term, credit one hour. Prerequisite, course 1. Professor W. M. WILSON and Mr. MORDOFF. Laboratory fee, \$2.

11. **Research.** First and second terms, credit one or more hours a term. Prerequisite, permission to register. Professor W. M. WILSON.

THE NATURAL HISTORY OF THE FARM

1. **The Natural History of the Farm.** First or second term, credit one hour. Professor NEEDHAM, Mr. ALEXANDER, and assistants. Fee, \$2.

PLANT BREEDING

1. **Genetics.** First term, credit four hours or, by special arrangement, three hours. Prerequisite, Botany 1 and 20, or equivalents in zoology by permission. Professor HUTCHISON, Assistant Professor FRASER, and Mr. DORSEY. Laboratory fee, \$3.

8. **Methods of Plant Breeding.** Second term, credit one hour. Prerequisite, course 1. Assistant Professor FRASER.

Advanced and Graduate Courses

11. **Biometry.** First term, credit two hours. For graduate students only. Professor LOVE.

15. **Genetics, Advanced Course.** Second term, credit three hours. Primarily for graduate students. Seniors admitted by special arrangement only. Prerequisite, course 1 or its equivalent, and Botany 1, 10, and 20. Professor HUTCHISON and Mr. ANDERSON. Laboratory fee, \$3.

16. **Research.** Throughout the year. For graduate students only. Professors EMERSON, LOVE, MYERS, and HUTCHISON, and Assistant Professor FRASER.

17. **Seminary.** First and second terms. For graduate students only. Professors EMERSON, LOVE, MYERS, and HUTCHISON, and Assistant Professor FRASER.

PLANT PATHOLOGY

1. **General Plant Pathology.** First or second term, credit three hours. Prerequisite, Botany 1 or its equivalent. Professor WHETZEL and others. Laboratory fee, \$4.50; breakage deposit, \$3.

2. **Principles of Plant Disease Control.** Second term, credit three hours. Prerequisite, course 1. Professor WHETZEL and others. Laboratory fee, \$4.50; breakage deposit, \$3.

9. **Forest Pathology.** Second term, credit two hours. Prerequisite, course 1.

10. **Advanced Plant Pathology.** First and second terms, credit three hours. Prerequisite, courses 1 and 2. Laboratory fee, \$4.50; breakage deposit, \$3.

[12. **Mycology.** First and second terms, credit four hours. Prerequisite, Botany 1 or its equivalent. Assistant Professor FITZPATRICK.] Not given in 1919-1920.

14. **Mycology.** First and second terms, credit four hours. Prerequisite, Botany 1 or its equivalent. Assistant Professor FITZPATRICK. Laboratory fee, \$6; breakage deposit, \$3.

17. **History of Plant Pathology.** First or second term, credit one hour. Prerequisite, course 1 and a reading knowledge of French and German. Professor WHETZEL.

19. **German Phytopathological Reading.** First and second terms, without credit for undergraduate students. Professor WHETZEL.

20. **Research.** Throughout the year, not less than three laboratory periods of three clock hours a week. Professors and assistant professors on the departmental staff. Laboratory fee, \$1.50 a credit hour; breakage deposit, \$3.

25. **Seminary.** First and second terms.

POMOLOGY

1. **Pomology.** First or second term, credit three hours. Prerequisite for regular students, Botany 1, Chemistry 1, and the farm practice requirements. Assistant Professor HEINICKE and others. Laboratory fee, \$3.50; deposit, \$1, to be refunded provided all tools lent to the student are returned in good condition.

8. **Fruit Varieties: Exhibits, Identification, Judging.** First term, credit one hour. Prerequisite, course 1. Professor REES and assistant. Laboratory fee, \$3.50.

[9. **Packing Fruit for Market.** First term, credit two hours. Prerequisite, courses 1 and 8, and permission to register; must be preceded or accompanied by Entomology 3, Plant Pathology 1, and Soils 1. Professor REES.] Not given in 1919-1920. Laboratory fee, \$3.50.

10. **Economic Fruits of the World.** Second or third term, credit two hours. Prerequisite, courses 1 and 8. Assistant Professor HEINICKE and others. Laboratory fee, \$1.

11. **Orchard Field Trip.** Credit one hour. Prerequisite, courses 1, 8, and 10, and permission to register. To be taken during the three weeks preceding the opening of the first term. Assistant Professor HEINICKE, and assistant.

12. **Experimental Pomology.** Second and third terms, credit three hours. Prerequisite, courses 1, 8, and 10, and permission to register; must be preceded or accompanied by Botany 20, Plant Pathology 1, Entomology 3, and Soils 1. Professor CHANDLER and Assistant Professor HEINICKE.

13. **Pomology, Advanced Laboratory Course.** Third term, credit one hour. Prerequisite, courses 1, 8, 10 and 12, and permission to register. Assistant Professor HEINICKE and others. Laboratory fee, \$2.

19. **Research.** Throughout the year, credit one hour a term. Prerequisite, courses 10 and 12, Botany 1 and 20, Plant Pathology 1, Entomology 3, and Chemistry 1 and 32. Professors CHANDLER and REES, Assistant Professor HEINICKE and assistant.

20. **Seminary.** Once each month throughout the year. Required of graduate students in pomology. Members of the departmental staff.

POULTRY HUSBANDRY

1. **Poultry Husbandry.** First or third term, credit three hours. Professor RICE and others.
- 1a. **Poultry Husbandry.** First term, credit two hours. Prerequisite, course 1. Messrs. BANNER and CARD.
2. **Poultry Feeds and Feeding.** First term, credit two hours. Prerequisite, course 1 and Animal Husbandry 1. Assistant Professor HEUSER and assistant.
- 2a. **Flock Management.** First, second, or third term, credit one hour. Must be preceded or accompanied by course 2 or by course 10, and preferably also by Animal Husbandry 1. Persons registering for this course for the first time may not register for course 3 or 3a. Assistant Professor HEUSER and Mr. ANDREWS.
3. **Incubator Practice.** First, second or third term, credit one hour. Must be preceded or accompanied by course 1a or by course 10. Mr. BANNER and others.
- 3a. **Brooder Practice.** First, second, or third term, credit one hour. Must be preceded or accompanied by course 1a or by course 10. Messrs. CARD and others.
4. **The Breeds of Poultry and Judging.** First term, credit two hours. Prerequisite, course 1. Assistant Professor KENT and assistant.
- 4a. **Judging, Advanced Course.** First term, credit one hour. Prerequisite, course 4 and permission to register. Assistant Professor KENT.
- 4b. **Poultry Breeding.** First term, credit two hours. Prerequisite, course 1. Assistant Professor KENT.
5. **Poultry-House Design and Construction.** Second term, credit two hours. Prerequisite, course 1 and permission to register. Mr. KRUM.
7. **Market Products.** Second term, credit two hours. Prerequisite, course 1. Assistant Professor BENJAMIN and Mr. MACOMBER.
- 7a. **Marketing Practice.** First, second, or third term, credit one hour. Prerequisite, course 7 and permission to register. Assistant Professor BENJAMIN and assistant.
8. **Poultry Farm Management.** Second term, credit two hours. Prerequisite, courses 1, 1a, 2, 4, 4b, and 5; must be preceded or accompanied by courses 2a, 3, 3a, and 7; should be preceded or accompanied by Farm Management 2. Professor RICE and Mr. BOTSFORD.
9. **Commercial Marketing.** First term, credit two hours. Prerequisite, course 7 and permission to register. Assistant Professor BENJAMIN and Mr. MACOMBER.
10. **Farm Poultry.** Second or third term, credit three hours. Professor RICE, Assistant Professors BENJAMIN, KENT, and HEUSER, and Messrs. MACOMBER, BANNER and CARD.
11. **Undergraduate Conference.** First, second, or third term, or throughout the year, credit one hour a term. Prerequisite, permission to register; must be preceded or accompanied by course 8. Members of the departmental staff.
- 11a. **Seminary.** Throughout the year. For graduate students only; required of all graduate students in poultry husbandry. Members of the departmental staff.
12. **Research.** First, second, or third term, or throughout the year, credit one to three hours a term. Prerequisite, permission to register; must be preceded or accompanied by courses 8 and 11. Members of the departmental staff.

RURAL ECONOMY

1. **Agriculture.** First term, credit two hours. Open only to freshmen. Professor LAUMAN.
4. **Economic Status of the Rural Community.** First term, credit three hours. Prerequisite, Political Science 51. Professor LAUMAN, Mr. WRIGHT and others.
5. **Marketing and Prices.** First term, credit three hours. Prerequisite, Political Science 51. Professor LAUMAN, Mr. WRIGHT and assistant.
6. **History of Agriculture.** Second term, credit three hours. Open only to seniors. Professor LAUMAN.
7. **Rural Economy.** Second term, credit three hours. Open only to selected seniors who have had course 4 and additional training in economics and history. Professor LAUMAN.
8. **Cooperation.** Second term, credit three hours. Prerequisite, Political Science 51. Professor LAUMAN, Mr. WRIGHT and assistant.
12. **Research in Rural Economy.** First and second terms, credit two or three hours a term. For seniors who have done superior work and for graduates. Professor LAUMAN.
14. **Seminary.** First and second terms. By special permission, for students who have had courses 4 and 5 or their equivalent. Professor LAUMAN.

RURAL EDUCATION

2. **Educational Psychology.** First or second term, credit four hours. Open to juniors and seniors. Professor KRUSE.
4. **Principles of Teaching.** First or second term, credit four hours. Open to juniors and seniors who have completed course 2 or its equivalent. Professor STEWART.
6. **Agriculture in the High School.** Second or third term, credit three hours. Open to juniors and seniors who have completed courses 2 and 4 and who have met the farm practice requirements. Professor LUSK.

7. **Home Economics in the High School.** First or second term, credit three hours. Open to juniors and seniors who have completed courses 2 and 4. Professor BINZEL.

8. **Teaching.** First or second term, credit not to exceed five hours, to be determined by work done. Open to a limited number of seniors in agriculture and home economics. Professors WORKS and LUSK.

10. **Educational Measurement.** First and second terms, credit two hours. Open to graduates only. Professor KRUSE.

12. **Social and Vocational Aspects of Education.** Second term, credit three hours. Designed for graduate students. Professor STEWART.

14. **Organization of Teachers Training for Vocational Agriculture.** Second term, credit two hours. Open to graduate students. Professor LUSK.

16. **Rural Secondary Education.** First and second terms, credit two or three hours a term. Designed primarily for graduate students. Assistant Professor FERRISS.

18. **Rural School Administration.** First and second terms, credit two or three hours a term. Open to graduate students only.

20. **Administration and Supervision of Vocational Agriculture.** First term, credit two or three hours. Open to graduates only. Professor WORKS.

21. **Rural School Surveys.** Credit according to work accomplished. Open to graduate students only. Professors WORKS, LUSK, STEWART, and KRUSE.

25. **Research in Rural Education.** Throughout the year. For graduate students only. Professors WORKS, LUSK, STEWART, and KRUSE.

26. **Seminary.** First and second terms, without credit. Required of graduate students. Professors WORKS, LUSK, STEWART, KRUSE, and WRIGHT.

60. **Nature Study.** First term, credit three hours. Assistant Professor COMSTOCK.

61. **Nature Study.** Third term, credit three hours. Assistant Professor COMSTOCK.

62. **Nature Study, Advanced Course.** First term, credit three hours. Prerequisite, course 61 or Biology 1. Assistant Professor COMSTOCK.

63. **Nature Study.** First term, credit one or more hours. Open only to prospective teachers. Assistant Professor COMSTOCK.

65. **Conference on Nature Study.** First term, credit one hour. Open only to teachers or prospective teachers of nature study. Assistant Professor COMSTOCK.

RURAL ENGINEERING

1. **Farm Field Machinery.** First term, credit three hours. Prerequisite, course 51, or reasonable and approved proficiency in drawing. Professor RILEY, Mr. FAIRBANKS and assistant.] Not given in 1919-1920. Not open to students who have had course 3. Laboratory fee, \$2.

2. **Farm Power Machinery.** Second term, credit three hours. Prerequisite, course 51, or reasonable and approved proficiency in drawing and permission to register. Mr. FAIRBANKS and others. Laboratory fee, \$4.

3. **Farm Mechanics.** First or second term, credit three hours. Professor RILEY, Mr. FAIRBANKS and others. Laboratory fee, \$2.

4. **Steam and Steam Machinery.** First term, credit one or three hours. Mr. FAIRBANKS and others. Laboratory fee for the three-hour course, \$2.

19. **Research in Rural Engineering.** First, second, or third term, credit one or more hours. Prerequisite, adequate ability and training for the work proposed, and permission to register. Professors RILEY and ROBB and assistant.

20. **Farm Engineering.** First, second, or third term, credit three hours. Prerequisite, plane geometry. Students are urged to take course 51 in preparation for this course. Professor ROBB and Assistant Professor McCURDY. Laboratory fee, \$2.

21. **Drainage.** Second term, credit two hours. Prerequisite, courses 3, 20, and 51, or their equivalent, and Soils 1. Professor ROBB and Assistant Professor McCURDY. Laboratory fee, \$2.

28. **Farm Engineering, Advanced Course.** First term, credit three hours. Prerequisite, course 20 or its equivalent. Professor ROBB and Assistant Professor McCURDY.

30. **Farm Structures.** First or third term, credit two hours.

31. **Farm Building Design.** First or third term, credit two hours. Prerequisite, course 51 or its equivalent. Must be preceded or accompanied by course 30. Laboratory fee, \$1.

41. **Farm Shop Work.** First or second term, credit three hours. Open only to prospective teachers of high school agriculture.

51. **Mechanical Drawing.** First or second term, credit three hours. Assistant Professor REYNA.

RURAL ORGANIZATION

1. **The Social Problems of Rural Communities.** First, second, or third term, credit four hours. Prerequisite, Political Science 51 or its equivalent. Professor SANDERSON and Acting Professor W. S. THOMPSON.

2. **Rural Family and Home Life.** First term, credit three hours. Prerequisite, (after 1919-20) course 1. Acting Professor W. S. THOMPSON.

8. Social Psychology of Rural Life. First term, credit three hours. Primarily for seniors and graduate students. Prerequisite, course 1, and Rural Education 2 or Psychology 1, 1a, or 1b. Professor SANDERSON.

11. Rural Demography. Second term, credit three hours. Primarily for graduate students. Prerequisite, course 1, and Political Science 55a, 55b, and 76a. Acting Professor W. S. THOMPSON.

12. Rural Social Pathology. Second term, credit three hours. Primarily for graduate students. Prerequisite, course 1, and Political Science 55a and 55b. Acting Professor W. S. THOMPSON.

15. Research in Rural Organization. Throughout the year. For graduate students only. Professor SANDERSON and Acting Professor W. S. THOMPSON.

SOIL TECHNOLOGY

1. Principles of Soil Management. First or second term, credit five hours. Prerequisite, Chemistry 1, and Geology 1. Professor BUCKMAN. Laboratory deposit, \$3.

5. Soil Surveying and Mechanical Soil Analysis. First term, credit three hours. Prerequisite, course 1, Physical Geography 5, and Chemistry 6. Professors BUCKMAN and BIZZELL. Laboratory deposit, \$3.

6. Soils, Advanced Course. First term, credit three hours. Prerequisite, course 1, and Chemistry 6. Professor BIZZELL.

7. Soil Bacteriology. Second term, credit two hours. Prerequisite, course 1. Professor J. K. WILSON. Laboratory deposit, \$5.

11. Research. Throughout the year. For graduate students only. Professor BIZZELL and other members of the Department.

14. Seminary. First and second terms, without credit. Open to seniors who have taken course 6, and required of graduate students. Professors LYON, BIZZELL, BUCKMAN, and J. K. WILSON, and Assistant Professor B. D. WILSON.

Drainage. (See Rural Engineering 21, page 154.)

WILD LIFE CONSERVATION AND GAME FARMING

1. The Conservation of Wild Life and Game Farming. First term, credit two hours. Professors RICE and NEEDHAM, Assistant Professors ALLEN and EMBODY, Mr. KRUM, and cooperating specialists.

2. Practice in Wild Life Conservation and Game Farming.
Two summers, spent in the field in the furtherance of technical training along one or more of the lines covered by course 1.

SCHOLARSHIPS AND PRIZES

The Eastman Prize for Public Speaking, the Stewart Prize for the Production of Clean Milk, the C. Lathrop Pack Prize, the Alumni Prize for Scholarship, the former Students Association Prize, and the Roberts Scholarships are awarded only to students in the College of Agriculture. For these and for the prizes and scholarships open to all students of the University, see pages 181-188.

COLLEGE OF ARCHITECTURE

For detailed information concerning the work of the College of Architecture, candidates for admission to the college should consult the Announcement of the College of Architecture which will be sent gratis on application to the Secretary of the University.

FACULTY

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President of the University.
FRANCKE HUNTINGTON BOSWORTH, jr., A.B., Dean of the College of Architecture, Professor of Design.
CLARENCE AUGUSTINE MARTIN, D.Sc., Professor of Architecture.
OLAF MARTINIUS BRAUNER, Professor of Drawing and Painting.
ALBERT CHARLES PHELPS, B.S., M.Arch., Professor of Architecture and Secretary of the Faculty of Architecture.
GEORGE YOUNG, jr., B. Arch., Professor of Architecture, in the Theory of Construction.
CHRISTIAN MIDJO, Assistant Professor of Freehand Drawing and Modeling.
LEROY P. BURNHAM, B.S. Arch., M.S. Arch., Assistant Professor of Design.
GEORGE RAY CHAMBERLAIN, M.E., Assistant Professor of Freehand Drawing.
SHEPHERD STEVENS, B.S., A.D.G., Assistant Professor of Design.
HIRAM SAMUEL GUTSELL, B.P., A.M., Assistant Professor of Freehand Drawing.
HUBERT E. BAXTER, B.Arch., Instructor in Architecture.

Students in the College of Architecture also receive instruction from a large corps of professors and instructors in the Colleges of Arts and Sciences, Civil Engineering, Mechanical Engineering, and Agriculture (Department of Landscape Design); and each year men distinguished in architecture or in allied professions are invited to lecture before the College.

THE DEGREES OF BACHELOR OF ARCHITECTURE AND OF BACHELOR OF SCIENCE IN ARCHITECTURE

For admission to the College of Architecture, see page 45; for tuition in the College of Architecture, see page 52.

The undergraduate instruction for students in the College of Architecture leads to the degree of Bachelor of Architecture or to the degree of Bachelor of Science in Architecture, the requirements for which are the completion of one of the following curricula:

1. The curriculum of four years in architecture leading to the degree of Bachelor of Architecture.
2. The curriculum of four years in construction leading to the degree of Bachelor of Science in Architecture.
3. The curriculum of five years in architecture leading to the degree of Bachelor of Architecture.
4. The curriculum of five years in construction leading to the degree of Bachelor of Science in Architecture.

For the requirements in military science and tactics and in physical culture, see page 194.

Admission as Special Students not Candidates for the degrees B.Arch. and B.S. in Arch.

Applicants may, without formal examination, be admitted to the two-year special course in architecture, provided they give satisfactory evidence of ability to do the required work of the course and have neither been previously admitted to the University nor refused as candidates for admission. For admission to this

two-year special course, the applicant must be at least twenty-one years of age; he must have had a good high school training or its equivalent, including particularly a good working knowledge of plane geometry and of algebra through quadratic equations; and should be familiar with the details and proportions of the classic orders of architecture. He shall have had at least three years' experience in some good architect's office, or its equivalent, and shall submit with his application examples of his draftsmanship. Architectural drawings in particular are required, but it is to the applicant's advantage to submit any additional work that would tend to show his artistic ability or skill as a draftsman. The application should be accompanied by a certificate that the drawings submitted are the work of the applicant.

THE CURRICULUM OF FOUR YEARS IN ARCHITECTURE

Freshman Year

	Hours 1st Term	Hours 2d Term
Theory of Architecture.....	1	—
Architectural Design.....	3	2
Theory of Construction.....	3	3
Freehand.....	4	4
History of Architecture.....	—	3
Graphics.....	3	2
English.....	—	3

Sophomore Year

	Hours 1st Term	Hours 2d Term
Theory of Architecture.....	1	—
Architectural Design.....	6	6
Theory of Construction.....	2	3
Freehand.....	2	4
History of Architecture.....	3	2
Graphics.....	1	—
Applied Construction.....	2	2

Physical Training, three hours a week, is required of all regular freshmen and sophomores. The men take this work as military drill in the Department of Military Science and Tactics. The women take the work in the Department of Physical Culture.

Junior Year

	Hours 1st Term	Hours 2d Term
Architectural Design.....	6	6
Theory of Construction.....	3	5
Freehand.....	2	—
History of Architecture.....	1	1
Applied Construction.....	2	2
Electives.....	3	4

Senior Year

	Hours 1st Term	Hours 2d Term
Architectural Design and Thesis.....	10	10
Theory of Construction.....	3	5
History of Architecture.....	—	2
Electives.....	4	—

THE CURRICULUM OF FOUR YEARS IN CONSTRUCTION

Freshman Year

	No. of Course	Hours 1st Term	Hours 2d Term
Analytical Geometry and Calculus.....	5	5	5
Descriptive Geometry	9	3	—
History of Architecture.....	10	3	3
Elements of Architecture.....	11	3	3
Freehand Drawing.....	12	3	3
Shades and Shadows.....	13	—	2
Masonry Construction.....	15	—	2
Summer Reading (see page 162).....			

Sophomore Year

	No. of Course	Hours 1st Term	Hours 2d Term
Design	21	8	8
Perspective	24	—	1
Mechanics (C.E.).....	20	5	—
Mechanics (C.E.).....	21	—	5
Physics	2	5	—
Heating, Plumbing, and Lighting.....	36	—	2
Elective	—	—	2
Summer Reading (see page 162)			

Physical Training, three hours a week, is required of all regular freshmen and sophomores. The men take this work as military drill in the Department of Military Science and Tactics. The women take the work in the Department of Physical Culture.

Junior Year

	No. of Course	Hours 1st Term	Hours 2d Term
History of Architecture.....	20	3	—
Design	31	8	—
Carpentry and Specifications.....	34a	2	—
Bridges (C.E.)	71	4	4
Materials Laboratory (C.E.).....	22	—	2
Materials of Construction (C.E.).....	25	—	3
Concrete Construction (C.E.).....	77	—	3
Modern Architecture.....	40	—	2
Oral Expression.....	29	—	3

Senior Year

	No. of Course	Hours 1st Term	Hours 2d Term
Antique, Water Color, or Modeling.....		2	—
Fire-Resisting Construction.....	33	1	—
City Planning.....	44	1	—
Steel Building (C.E.).....	76	—	3
Concrete Design (C.E.).....	78	—	3

In addition to the list given, not less than 23 hours must be taken from courses in Engineering, Architecture, and Economics or kindred subjects, the election in all cases to be subject to Faculty approval.

THE CURRICULUM OF FIVE YEARS LEADING TO THE DEGREE OF BACHELOR OF ARCHITECTURE OR BACHELOR OF SCIENCE IN ARCHITECTURE

Since considerable latitude is allowed in the choice of entrance subjects offered for admission to these courses, the first two years must be varied accordingly. The following outline is given as the basis upon which the courses will be formulated.

First Year

Courses required if not offered for entrance

	No. of Course	Hours 1st Term	Hours 2d Term
*French	I	6	or 6
English	I or 3	4	4
Solid Geometry	I	3	or 3
Advanced Algebra	2	5	or 5
or			
Advanced Algebra	2(E)	3	
Plane Trigonometry	3	3	or 3
Physics	2	5	or 5

Courses especially recommended for election

	No. of Course	Hours 1st Term	Hours 2d Term
*Chemistry	I	6	or 6
History of Architecture	10	3	3
Freehand Drawing	12	3	3

Other subjects from which election is advised are: German, Spanish, History, Psychology, Geology, and Music.

Second Year

This should comprise all of the first year of the four-year course not already taken, with electives to make a full schedule. These electives may be chosen somewhat freely but subject to Faculty approval. In general the student is advised to elect non-professional subjects such as languages, economics, etc.

Third, Fourth, and Fifth Years

The prescribed work for these years will be the same as that of the last three years of the regular four-year course or the four-year construction course.

SPECIAL CURRICULUM OF TWO YEARS IN ARCHITECTURE

This course does not lead to a degree, but a certificate will be issued upon its satisfactory completion. Where students are prepared to do advanced work the course will be arranged, within the limits of the curriculum, to meet special cases.

*Students entering the construction course are required to take Chemistry, but will not be required to take French.

First Year

	No. of Course	Hours 1st Term	Hours 2d Term
History of Architecture.	10	3	3
Design	21	8	8
Freehand Drawing.	12	3	3
Descriptive Geometry.	9	3	—
Shades and Shadows.	13	—	2
Perspective	24	—	1
Water Color Painting.	14	—	2

Second Year

	No. of Course	Hours 1st Term	Hours 2d Term
History of Architecture.	20	3	—
Design	41	10	8
Design	41a	—	4
Drawing from the Antique.	22	1	—
Advanced Water Color Painting.	23	2	—
Modeling in Clay	26	—	2
Modern Architecture.	40	—	2

The Degrees of A.B. and B. Arch.

This course assumes that the candidate will be registered in the College of Arts and Sciences alone in the first three years of the course and take such work in Architecture as will enable him to complete all of the first year of technical work by the end of his third year. In his fourth year he will register both in the College of Arts and Sciences and in the College of Architecture, taking regular second year work in Architecture and at the same time being a candidate for the degree of Bachelor of Arts which will normally be conferred at the end of the fourth year. For the remainder of his course he will be registered in the College of Architecture alone and will normally receive the degree of Bachelor of Architecture at the end of his sixth year in the University. The following outline is intended to indicate particularly the sequence and amount of work to be taken in Architecture.

First Year

The required work for the first year includes freehand drawing 4 hours, foreign language 6 hours, English or history (separately or together) 6 hours, mathematics or philosophy 6 hours, science 6 hours, and such further work as the College of Arts and Sciences may prescribe.

Second Year

The required work for the second year includes History of Architecture 6 hours, freehand drawing 2 hours, water color painting 2 hours, and such further work as the College of Arts and Sciences may prescribe.

Third Year

The required work for the third year includes descriptive geometry 3 hours, elements of architecture 6 hours, shades and shadows 2 hours, analytic geometry and calculus 6 hours, building stones and clay products 2 hours, and such further work as the College of Arts and Sciences may prescribe.

Fourth, Fifth, and Sixth Years

The work of the last three years of the course will be the same as that of the last three years of the regular four-year course in architecture or the four-year construction course in architecture.

COURSES OF INSTRUCTION

- 1a. **Elementary Freehand Drawing.** Throughout the year, credit two hours a term. Assistant Professors CHAMBERLAIN and GUTSELL.
- 1b. **Elementary Freehand Drawing.** Throughout the year, credit three hours a term. Assistant Professors CHAMBERLAIN and GUTSELL.
- 2a. **Advanced Freehand Drawing.** Throughout the year, credit two hours a term. Prerequisite, course 1b, or its equivalent. Assistant Professors CHAMBERLAIN and GUTSELL.
- 2b. **Advanced Freehand Drawing.** Throughout the year, credit three hours a term. Prerequisite, course 1b, or its equivalent. Assistant Professors CHAMBERLAIN and GUTSELL.
8. **Analytic Geometry and Calculus.** Throughout the year, credit three hours a term. Given in the College of Arts and Sciences.
9. **Descriptive Geometry.** First term, credit three hours. Prerequisite, Solid Geometry. Professor YOUNG and assistant.
10. **History of Architecture.** Throughout the year, credit three hours a term. Professor PHELPS.
11. **Elements of Architecture.** Throughout the year, credit three hours a term.
12. **Freehand Drawing.** Throughout the year, credit three hours a term. Assistant Professor CHAMBERLAIN.
13. **Shades and Shadows.** Second term, credit two hours. This course must follow or be accompanied by descriptive geometry. Professor MARTIN.
14. **Water Color Painting.** Second term, credit two hours. Prerequisite, course 12. Assistant Professor MIDJO.
15. **Masonry Construction.** Second term, credit two hours. Professor MARTIN.
20. **History of Architecture.** First term, credit three hours. Prerequisite, course 10. Professor PHELPS.
21. **Design.** Throughout the year, credit eight hours a term. Prerequisite, courses 11 and 13. Assistant Professor STEVENS.
- 21a. **Interior Decoration.** Throughout the year, credit four hours a term. Prerequisite, course 21, or its equivalent. Assistant Professor STEVENS.
22. **Drawing from the Antique.** Throughout the year, credit one hour first term and two hours second term. Prerequisite, course 12. Professor BRAUNER and Assistant Professor MIDJO.
23. **Advanced Water Color Painting.** First term, credit two hours. Prerequisite, course 14, Assistant Professor MIDJO.
24. **Perspective.** Second term, credit one hour. Prerequisite, courses 9 and 11. Professor MARTIN.
25. **Historic Ornament.** Second term, credit two hours. Prerequisite, courses 10 and 20. Professor PHELPS.
26. **Modeling.** Second term, credit two hours. Assistant Professor GUTSELL.
27. **Mechanics.** Second term, credit two hours. Prerequisite, Mathematics 8. Professor YOUNG.
28. **Stereotomy.** First term, credit one hour. Prerequisite, course 9. Professor MARTIN.
29. **Oral Expression.** First term, credit three hours. Given in the College of Arts and Sciences. Professor WINANS.
30. **Building Stones and Clay Products.** First term, credit two hours. Given in the College of Arts and Sciences. Professor RIES and assistant.
30. **History of Painting and Sculpture.** Throughout the year, credit one hour a term. Professor PHELPS.
- 30a. **History of Art.** Throughout the year, credit two hours a term. Assistant Professor GUTSELL.
- 30b-1. **History of Art.** First term, credit two hours. Assistant Professor GUTSELL.
- 30b-2. **History of Art.** Second term, credit two hours. Assistant Professor GUTSELL.
31. **Design.** First term, credit eight hours. Prerequisite, course 21. Assistant Professor BURNHAM.
- 31a. **Design.** Second term, credit six hours. Prerequisite, courses 21 and 31. Assistant Professor BURNHAM.
32. **Drawing from the Antique.** First term, credit two hours. Prerequisite, course 22. Professor BRAUNER and Assistant Professor MIDJO.
33. **Fire Resisting Construction.** First term, credit one hour. Professor MARTIN.
- 34a. **Carpentry and Specifications.** First term, credit two hours. Professor MARTIN.
- 34b. **Working Drawings.** Second term, credit four hours. Prerequisite, courses 21 and 31. Assistant Professor BURNHAM.
35. **Strength of Materials.** First term, credit two hours. Prerequisite, course 27. Professor YOUNG and assistant.

35a. **Graphic Statics.** First term, credit one hour. Prerequisite, course 27 and must follow or be taken with course 35. Professor YOUNG and assistant.

35b. **Structural Design.** Second term, credit five hours. Prerequisite, courses 27, 35, and 35a. Professor YOUNG and assistant.

36. **Heating, Plumbing, and Lighting.** Second term, credit two hours. Professor MARTIN.
40. **Modern Architecture.** Second term, credit two hours. Prerequisite, courses 10 and 20. Professor PHELPS.

41. **Design.** Throughout the year, credit ten hours first term, and eight hours second term. Prerequisite, courses 21 and 31. Professor BOSWORTH and Assistant Professor BURNHAM.

41a. **Design.** Second term, credit four hours. Prerequisite, course 41. Professor BOSWORTH and Assistant Professor BURNHAM.

42. **Life Class.** Throughout the year, credit three hours first term and two hours second term. First term required, second term elective. Professor BRAUNER.

43. **Historical Seminary.** Throughout the year, credit one hour a term. Prerequisite, courses 10 and 20. Professor PHELPS.

44. **City Planning.** First term, credit one hour. Lectures by nonresidents and by members of the University Faculty. It is advised that course 57b in Citizenship, given in the department of Political Science, two hours, second term, be elected to supplement the work of this course.

Summer Reading. In addition to the regular studies of the freshman and sophomore years the students are required to read, during the summer recess, books of their own selection from grouped lists. The book lists are prepared and one or more introductory lectures given each year, just before the summer vacation, by one of the Professors in the Department of English in the College of Arts and Sciences.

SCHOLARSHIPS AND PRIZES

The **Sands Memorial Medal** and the **Brown Memorial Medal** are awarded annually for especially meritorious work in design; the **Fuertes Memorial Prizes in Public Speaking** are awarded to students in the Colleges of Architecture, Mechanical Engineering, and Civil Engineering. For these, and for the scholarships and prizes that are open to all students of the University, see pages 181 to 188.

Graduates of the College of Architecture are admitted without examination to the competitions for scholarships in the American Academy in Rome, and to the Paris Prize competition of the Society of Beaux-Arts Architects; and they are excused from the usual examinations, except those relating to practical experience, required for admission to the American Institute of Architects and required for licenses in those states where a license is needed for the practice of architecture.

COLLEGE OF CIVIL ENGINEERING

For detailed information concerning the work of the College of Civil Engineering, candidates for admission to that college should consult the Announcement of the College of Civil Engineering which will be sent gratis on application to the Secretary of the University.

FACULTY

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President.
EUGENE ELWIN HASKELL, C.E., Dean of the College of Civil Engineering and Professor of Experimental Hydraulics.
IRVING PORTER CHURCH, C.E., M.C.E., Emeritus Professor of Applied Mechanics and Hydraulics.
HENRY SYLVESTER JACOBY, C.E., Professor of Bridge Engineering; in charge of the College Library.
HENRY NEELY OGDEN, C.E., Professor of Sanitary Engineering.
FRED ASA BARNES, C.E., M.C.E., Professor of Railroad Engineering.
ORA MINER LELAND, B.S. (C.E.), Professor of Geodesy and Astronomy.
SIDNEY GONZALES GEORGE, C.E., Professor of Mechanics of Engineering.
JOHN THOMAS PARSON, Professor of Drawing.
ERNEST WILLIAM SCHODER, B.S., Ph.D., Professor of Experimental Hydraulics.
FRANCIS JOSEPH SEERY, S.B., Professor of Civil Engineering.
MILES ALBION POND, Ph.B., Assistant Professor of Civil Engineering.
ERNEST WILLIAM RETTGER, A.B., Ph.D., Assistant Professor of Applied Mechanics.
CHARLES LEOPOLD WALKER, C.E., Assistant Professor of Sanitary Engineering, and Secretary of the College Faculty.
PAUL HALLADAY UNDERWOOD, C.E., Assistant Professor of Topographic and Geodetic Engineering.
EARLE NELSON BURROWS, C.E., M.C.E., Assistant Professor of Bridge Engineering.
WALTER L. CONWELL, C.E., Assistant Professor of Railroad Engineering.
LEONARD ALEXANDER LAWRENCE, B.S., Assistant Professor of Topographic and Geodetic Engineering.
LEONARD CHURCH URQUHART, C.E., Assistant Professor of Bridge Engineering.
HERBERT HENRY SCOFIELD, M.E., Assistant Professor of Testing Materials.
JOHN L. WEBER, C.E., Assistant Professor of Hydraulics.
CARL CRANDALL, C.E., Instructor in Civil Engineering.
JOHN EDWIN PERRY, B.S. (C.E.), Instructor in Railroad Engineering.
ERIC V. HOWELL, C.E., M.C.E., Instructor in Bridge Engineering.
CHARLES EDWARD O'ROURKE, C.E., Instructor in Bridge Engineering.
CLAUDE PENDLETON, C.E., Instructor in Civil Engineering.

THE DEGREE OF CIVIL ENGINEER

For admission to the College of Civil Engineering see page 45; for tuition in the College of Civil Engineering see page 52.

The undergraduate instruction for students in the College of Civil Engineering leads to the degree of Civil Engineer, the requirement for which is the completion of the following curriculum. For the requirements in military science and tactics and in physical culture, see page 194.

THE CURRICULUM OF FOUR YEARS IN CIVIL ENGINEERING

Freshman Year

	No. of Course	Hours 1st Term	Hours 2d Term
Analytics	5 (1)	5	—
Differential and Integral Calculus	5 (2)	—	5
Physics	2	5	—
Physics	7	—	3
Chemistry	1	—	6
Descriptive Geometry	1	2	2
Drawing	2	1	1
Elementary Surveying	10	3	—
Introductory Lectures	9	1	—
Military Drill	1	3	3

Sophomore Year

	No. of Course	Hours 1st Term	Hours 2d Term
Practical Geology	31	3	3
Mechanics of Engineering	20	5	—
Mechanics of Engineering	21	—	5
Materials Laboratory	22	2 or 0	0 or 2
Physics	14	0 or 2	2 or 0
Drawing	4	2	2
Advanced Surveying	11	2	3
Materials of Construction	25	3 or 0	0 or 3
Technical Reports	24	0 or 3	3 or 0
Military Drill	1	3	3
Summer Survey (five weeks in June and July)	13	—	6

Junior Year

	No. of Course	Hours 1st Term	Hours 2d Term
Elements of Economics	52	2	2
Railroads	60	4	1
Engineering Construction	67	—	3
Bridges	71A, 71B	4	3
Hydraulics	40	3	—
Municipal Sanitation	52	—	3
Engineering Problems	29	—	2
Survey Computations and Mapping	14	1	—
*Elective	—	3	3

Senior Year

	No. of Course	Hours 1st Term	Hours 2d Term
Public Speaking	P.S. 1	3	or 3
Heat Engines and Auxiliaries	P. 11	3	or 3
Elements of Electrical Engineering	**E. 12	4	—
Water Supply	C.E. 30	3	or 3
Concrete Construction	C.E. 77	3	or 3
Specifications and Contracts	C.E. 90	2	or 2
Engineering Design	C.E. 91	3	or 3
Electives		6	and 6
Required hours in Senior year		17	16

*Of the electives in Junior year not more than three hours may be taken in approved non-technical subjects.

**Any one desiring to take a more extended course than E 12 may substitute E 14 and E 15. These courses are described in the Announcement of Sibley College.

In the scheduling of his work, each student in the College of Civil Engineering is subject to the following limitation: "No student shall anticipate the work of the curriculum of the College of Civil Engineering by more than one year."

The required courses in mathematics, physics, chemistry, geology, and political economy are given in the College of Arts and Sciences. The required work in electrical engineering and steam machinery is given in Sibley College.

THE DEGREES OF BACHELOR OF ARTS AND CIVIL ENGINEER

Seniors in good standing in the College of Arts and Sciences, who have been in actual residence at least six terms, exclusive of summer sessions, and have a credit of at least 90 hours, may be registered both in the College of Arts and Sciences and in the College of Civil Engineering.

In accordance with this provision the following suggestion is given for a six-year course leading to the degrees of A.B. and C.E.

The following subjects are to be included in the course of study of at least 90 hours in the College of Arts and Sciences during the first three years of residence.

	No. of Course	Hours 1st Term	Hours 2d Term
Analytic Geometry	5 (1)	5	—
Calculus	5 (2)	—	5
Physics	3, 7	6	3
Chemistry	1	6	(or 6)
Chemistry	6	5	(or 5)
Practical Geology	3I	3	3
Descriptive Geometry	1	2	2
Drawing	2	1	1
Introductory Lectures	9	1	—
Elementary Surveying	10	3	—

The following subjects in Civil Engineering are to be taken during the fourth year, when the student is registered in both colleges.

	No. of Course	Hours 1st Term	Hours 2d Term
Elements of Economics	52	2	2
Drawing	4	2	2
Advanced Surveying	11	2	3
Mechanics of Engineering	20, 21	5	5
Materials Laboratory	22	—	2
Materials of Construction	25	—	3
Physics	14	2	—
Summer Survey (five weeks in June and July)	13		6

The work of the fifth and sixth years is to include the subjects of the junior and senior years of the four-year course leading to the degree of Civil Engineer, except that course 52 in Elements of Economics should be replaced by electives

COURSES OF INSTRUCTION

DESCRIPTIVE GEOMETRY AND DRAWING

1. **Descriptive Geometry.** Freshmen. Credit two hours first term, and two hours second term. Assistant Professor POND and assistant.
2. **Drawing and Lettering.** Freshmen. Credit two hours. Professor PARSON and assistant.
4. **Drawing and Lettering.** Sophomores. Throughout the year, two drawing periods a week. Prerequisite, course 1. Professor PARSON.
9. **Introductory Lectures.** Freshmen. Credit one hour. Two lectures a week with required readings. Dean HASKELL.

TOPOGRAPHIC AND GEODETIC ENGINEERING

10. **Elementary Surveying.** Freshmen. First term, credit three hours. Assistant Professors UNDERWOOD and LAWRENCE, Mr. PERRY and assistant.
11. **Advanced Surveying.** Sophomores. Throughout the year. First term, credit two hours; second term, credit three hours. Prerequisite, course 10. Assistant Professors UNDERWOOD and LAWRENCE, Mr. PERRY and assistant.
- 11A. **Advanced Surveying.** For students in forestry and landscape art. Second term, credit two hours. Prerequisite, course 10. Assistant Professors UNDERWOOD and LAWRENCE.
12. **Elementary Surveying.** Primarily for students in Sibley College. Second term, credit two hours. Assistant Professor UNDERWOOD and Mr. PERRY.
13. **Summer Survey; Topographic, Hydrographic, and Geodetic Survey; Camp.** Sophomores. Five weeks in June and July, credit six hours. Prerequisite, course 11. Open also to students in forestry and landscape art who have had course 11A, for whom the work is modified to meet their special needs. Professor LELAND, Assistant Professors UNDERWOOD and LAWRENCE, and others.
14. **Survey Computations.** Juniors. Prerequisite, course 13. First term, credit one hour. Professor LELAND and Assistant Professors UNDERWOOD and LAWRENCE.
- 14A. **Mapping.** Elective. Upperclassmen. Required of students in forestry. Second term, credit two hours. Professor LELAND.
- 14B. **Problems in the Adjustment of Observations.** Elective. Upperclassmen. Prerequisite, course 13. Second term, credit one hour. Professor LELAND.
15. **Least Squares; Adjustment of Observations.** Elective. Prerequisite, calculus and physics. First term, credit two hours. Assistant Professor UNDERWOOD.
16. **Advanced Topographic Surveying.** Elective. Upperclassmen. Prerequisite, course 13. First term, credit two hours. Professor LELAND.
17. **Geodesy and Geodetic Laboratory.** Elective. Upperclassmen. Prerequisite, course 11. First term, credit three hours. Professor LELAND.
18. **Geodetic Astronomy.** Elective. Upperclassmen. Prerequisite, course 11. Second term, credit three hours. Professor LELAND and Assistant Professor UNDERWOOD.

MECHANICS OF ENGINEERING

20. **Mechanics of Engineering.** For sophomores in Civil Engineering. First term, credit five hours. Repeated in one section, second term. Prerequisite, Mathematics 5. Professor GEORGE and Assistant Professor RETTGER.
21. **Mechanics of Engineering.** Second term. Credit five hours. Continuation of Mechanics 20. Prerequisite, Mechanics 20. Professor GEORGE and Assistant Professor RETTGER.
26. **Advanced Mechanics.** Seniors and graduates. Either term, credit three hours. Prerequisite courses 20 and 21. Professor GEORGE and Assistant Professor RETTGER.
29. **Engineering Problems.** Juniors. Second term, credit two hours. Prerequisite, courses 20, 21, and 40. Professor GEORGE and Assistant Professor RETTGER.
24. **Technical Writing.** Sophomores. Either term, credit three hours. Professor OGDEN.

MATERIALS OF CONSTRUCTION

22. **Materials Laboratory.** Sophomores. Either term, credit two hours. Must be preceded by, or taken with, courses 20 and 21 and must be taken with course 25. Assistant Professor WALKER and assistant.
25. **Materials of Construction.** Sophomores. Either term, credit three hours. Must be preceded by, or taken with, courses 20 and 21, and must be taken with course 22. Assistant Professor WALKER.
27. **Testing Materials.** Elective. Seniors and graduates. Second term, credit three hours. Prerequisite, courses 22 and 25 or their equivalents. Assistant Professors WALKER and URQUHART.

HYDRAULIC ENGINEERING

30. **Water Supply.** Seniors. Either term, credit three hours. Prerequisite, course 40, Assistant Professor SEERY.

31. **Hydraulic Construction.** Seniors and graduates. First term, credit three hours. Repeated second term. Should be taken after or concurrently with Water Supply 30. Course 31 may be substituted for Engineering Design, 91. Assistant Professor SEERY.

32. **Water Power Engineering.** Seniors and graduates. First term, credit three hours. Prerequisite, C.E. 40, and must be taken after or concurrently with course 30. Course 32 may be substituted for Engineering Design, 91. Assistant Professor SEERY.

33. **Pumps and Pumping.** Seniors and graduates. Second term, credit three hours. Prerequisite, course 40; should be preceded by or taken with course 30. Assistant Professor SEERY.

THEORETICAL AND EXPERIMENTAL HYDRAULICS

40. **Hydraulics.** Juniors. First term, credit three hours. Prerequisite, courses 20 and 21. Professor SCHODER.

41. **Advanced Hydraulics.** Elective for juniors and seniors. Second term, credit three hours. Prerequisite, course 40. Professor SCHODER.

42. **Hydraulic Measurements.** Elective for seniors and graduates. First term, credit three hours. Prerequisite, courses 40 and 41. Professor SCHODER.

43. **Experimental Hydraulic Motors and Pumps.** Elective for seniors and graduates. Second term, credit three hours. Prerequisite, course 41. Professor SCHODER.

44. **Experimental Hydraulic Investigation.** Elective for seniors and graduates. Either term, credit three hours (more in special cases). Prerequisite, courses 40 and 41, or the equivalent. Professor SCHODER.

MUNICIPAL AND SANITARY ENGINEERING

50. **Sanitary Biology.** Juniors. Second term, credit five hours. Prerequisite, Chemistry 6. Assistant Professor WALKER.

52. **Municipal Sanitation.** Juniors. Second term, credit three hours. Prerequisite, course 40. Professor OGDEN.

53. **Purification and Control of Water Supplies.** Seniors and graduates. Second term, credit three hours. Prerequisite, course 40. Professor OGDEN.

54. **Sewerage Works.** Seniors and graduates. First term, credit three hours. Prerequisite, course 52. Professor OGDEN.

55. **Sanitary Laboratory.** Seniors. Second term, credit three hours. Prerequisite, courses 50, 52, and Chemistry 6. This course offers a practical demonstration of some of the topics considered in courses 52, 53, and 54. Professor OGDEN.

56. **Municipal Engineering.** Elective. Graduates. Professor OGDEN.

57. **Purification of Water.** Elective. Graduates. Professor OGDEN.

58. **Conference on Present Methods of Sewage Disposal.** Elective. Graduates. Professor OGDEN.

59. **A Laboratory Course for Graduates.** Professor OGDEN and Assistant Professor WALKER.

RAILROAD AND HIGHWAY ENGINEERING

60. **Railroad Surveying and Drawing.** Juniors. Throughout the year, credit four hours first term, and one hour second term. Prerequisite, course 13. Professor BARNES, Assistant Professor CONWELL, and Messrs. PERRY and CRANDALL.

61. **Railroad Maintenance of Way.** Elective. Seniors and graduates. First term, credit three hours. Prerequisite, course 60. Professor BARNES.

62. **Railroad Operation and Management.** Elective. Seniors and graduates. Second term, credit three hours. Prerequisite, course 60. Professor BARNES.

63. **Railroad Location.** Elective. Juniors and seniors. Second term, credit three hours. Professor BARNES.

65. **Highway Engineering.** Elective. Seniors and graduates. Either term, credit three hours. Prerequisite, first term of course 60. Assistant Professor CONWELL and Mr. PERRY.

66. **Highway Laboratory.** Elective. Juniors and seniors. Either term, credit three hours. Assistant Professor CONWELL and Mr. PERRY.

67. **Engineering Construction.** Juniors. Second term, credit three hours. Prerequisite, 40 and first term of 71. Professor BARNES, Assistant Professor CONWELL and Messrs. PERRY and CRANDALL.

BRIDGE ENGINEERING

71A. Structural Design and Bridge Stresses. Juniors. Either term, credit four hours. Prerequisite, courses 20 and 21. Professor JACOBY, Assistant Professors BURROWS and URQUHART.

71B. Structural Design. Juniors. Either term, credit three hours. Professor JACOBY and Assistant Professor BURROWS.

72. Reinforced Concrete Arch. Seniors and graduates. Elective. First term, credit three hours. This course may be substituted for Engineering Design, course 91f. Prerequisite, courses 20 and 21, and the first part of course 71. Assistant Professor BURROWS.

73. Higher Structures. Elective. Seniors and graduates. Either term, credit three hours. Prerequisite, courses 20, 21, and 71. Professor JACOBY.

74. Masonry and Foundations. Seniors and graduates. Either term, credit three hours. Prerequisite, courses 20 and 21. Professor JACOBY.

75. Bridge Design. Elective. Seniors and graduates. Second term, credit three hours. Prerequisite, course 71. Professor JACOBY and Assistant Professor BURROWS.

76. Steel Buildings. Elective. Seniors and graduates. First term, credit three hours. Prerequisite, courses 20, 21 and 71. This course may be substituted for Engineering Design 91. Assistant Professor URQUHART.

77. Concrete Construction. Either term, credit three hours. Prerequisite, courses 20 and 21. Assistant Professor URQUHART.

78. Concrete Design. Elective. Seniors and graduates. Second term, credit three hours. Prerequisite, course 77. This course may be substituted for Engineering Design, 91. Assistant Professor URQUHART.

79. Concrete Highway Bridge Design. Elective. Seniors and graduates. Second term, credit three hours. Prerequisite, course 77. This course may be substituted for Engineering Design, 91. Assistant Professor URQUHART.

SPECIFICATIONS, DESIGNS, ETC.

80. Cost Keeping and Management. Elective. Seniors and graduates only. First term, credit two hours. Professor BARNES.

90. Specifications and Contracts. Seniors. Either term, credit two hours. Professor BARNES, and Messrs. CRANDALL and PERRY.

91. Engineering Design. Seniors. Credit three hours.

(c) **Hydraulic Engineering.** Second term. General prerequisite, courses 40 (or former 23) and 29. For best results hydraulic design should be preceded by course 30, but the two may be taken concurrently. Course 31 or 32 may be substituted for Engineering Design. Professor SCHODER.

(d) **Sanitary Engineering.** First term. This course must be preceded by or taken at the same time as course 54, and may not otherwise be elected. Professor OGDEN.

(e) **Railroad and Highway Engineering.** Second term. Professor BARNES, Assistant Professor CONWELL, and Messrs. PERRY and CRANDALL.

(f) **Bridge Engineering.** Second term. Course 71 is required as general preparation for engineering design in bridges and buildings. Course 73 is required in preparation for designs relating to draw, cantilever, suspension, and metallic arch bridges. Course 77 is similarly required for designs of bridges and buildings in reinforced concrete. Courses 72, 75, 76, 78 and 79, may be substituted for engineering design. Professor JACOBY and Assistant Professor URQUHART.

92. Thesis. Elective. Seniors. Credit three hours.

SCHOLARSHIPS AND PRIZES

The **Fuertes Medals**, the **Charles Lee Crandall Prizes**, and the income from the **William C. Seidell Book Fund**, are awarded only to students in the College of Civil Engineering; the **Fuertes Memorial Prizes in Public Speaking** are awarded only to students in the two colleges of engineering and in the College of Architecture. For these and for the prizes and scholarships open to all students of the University, see pages 181 to 188.

SIBLEY COLLEGE OF MECHANICAL ENGINEERING AND THE MECHANIC ARTS

For detailed information concerning the work of Sibley College, candidates for admission to that college should consult the Announcement of Sibley College which will be sent gratis on application to the Secretary of the University.

FACULTY

JACOB GOULD SCHURMAN, A.M., D.Sc., LL.D., President.
ALBERT WILLIAM SMITH, B.M.E., M.M.E., Dean of the Faculty and Professor of Power Engineering.
DEXTER SIMPSON KIMBALL, A.B., M.E., Professor of Machine Design and Industrial Engineering.
GEORGE ROBERT McDERMOTT, Professor of Structural Design.
HERMAN DIEDERICH, M.E., Professor of Experimental Engineering.
ALEXANDER GRAY, B.S. in C.E., M.S. in E.E., Whitworth Scholar, Professor of Electrical Engineering.
WILLIAM NICHOLS BARNARD, M.E., Professor of Power Engineering.
VLADIMIR KARAPETOFF, C.E., M.M.E., Professor of Electrical Engineering.
EDGAR HARPER WOOD, M.E., M.M.E., Professor of Mechanics of Engineering.
CALVIN DODGE ALBERT, M.E., Professor of Machine Design.
ALBERT EDWARD WELLS, Professor of Machine Construction.
FRANK OAKES ELLENWOOD, A.B., Professor of Power Engineering.
WILL MILLER SAWDON, B.S. in M.E., M.M.E., Professor of Experimental Engineering, Assigned to Engineering Research.
GEORGE BURR UPTON, M.E., M.M.E., Professor of Experimental Engineering.
SEYMOUR STANTON GARRETT, C.E., Professor of Mechanics of Engineering.
VICTOR RAYMOND GAGE, M.E., M.M.E., Assistant Professor of Experimental Engineering.
ROBERTSON MATTHEWS, M.E., Assistant Professor of Power Engineering.
CLARENCE WALTER HAM, B.M.E., M.E., Assistant Professor of Machine Design.
MYRON A. LEE, M.E., M.M.E., Assistant Professor of Machine Design.
JOHN GEORGE PERTSCH, jr., M.E., Assistant Professor of Electrical Engineering.
FREDERICK GEORGE SWITZER, M.E., M.M.E., Assistant Professor of Hydraulics.
WILLIAM CYRUS BALLARD, jr., M.E., Assistant Professor of Electrical Engineering.
FRED STILLMAN ROGERS, B.S., M.E., Assistant Professor of Machine Design.
CLARENCE ELLSWORTH TOWNSEND, M.E., Assistant Professor of Machine Design.
ADAM CLARK DAVIS, jr., Assistant Professor of Experimental Engineering.
ROY EDWARDS CLARK, M.E., Assistant Professor of Power Engineering.
WALTER RODNEY CORNELL, C.E., B.S., Assistant Professor of Mechanics of Engineering.
ROBERT FRANKLIN CHAMBERLAIN, M.E., Instructor in Electrical Engineering.
ENOCH FRANCIS GARNER, M.E., Instructor in Machine Design.
HOMER JAMES HOTCHKISS, A.M., M.M.E., Instructor in Mechanics of Engineering.
WILLIAM EMERSON MORDOFF, M.E., Instructor in Experimental Engineering.
GEORGE FRANCIS BASON, B.E., M.E., Instructor in Electrical Engineering.

AUGUST SCHMIDT, jr., M.E., Instructor in Power Engineering.
CHARLES BEVERLEY BENSON, C.E., Instructor in Mechanics of Engineering.
STEPHEN FARRELL CLEARY, Instructor in Machine Design.
LESLIE A. FENNER, M.E., Instructor in Machine Design.
JAMES BONIFACE LAVIN, B.S., Instructor in Machine Design.
H. MARCUS FOSS, B.S., Instructor in Machine Design.
NORMAN SHIRLEY HOFF, B.S., Instructor in Machine Design.
CHARLES MANLY HOWELL, B.S., Instructor in Machine Design.
AXEL MARTIN LARSEN, B.S., Instructor in Machine Design.
LEON HAROLD MOORE, B.S., Instructor in Machine Design.
ROLFE SHELLENBERGER, B.S., Instructor in Machine Design.
JOHN ROBERT BANGS, jr., Instructor in Machine Design.
JOSEPH ARVID PETERSON, B.S., Instructor in Machine Design.
HERMAN ALBERT SARACHAN, B.S., Instructor in Machine Design.
LAWRENCE NORMAN SILER, M.E., Instructor in Experimental Engineering.
ROY LEWIS QUICK, M.E., Instructor in Experimental Engineering.
ARMOND JACOB JORIES VANDER DOES, M.E., Instructor in Experimental Engineering.
STANLEY MOTT-SMITH, M.E., Instructor in Experimental Engineering.
HORACE WILLIAM LEET, M.E., Instructor in Experimental Engineering.
PERRY T. EGBERT, M.E., Instructor in Experimental Engineering.
BURDETTE KIBBE NORTHROP, M.E., Instructor in Electrical Engineering.
ALBRECHT NAETER, B.S. in E.E., Instructor in Electrical Engineering.
CLARENCE HERSCHEL DAGNALL, S.B., Instructor in Electrical Engineering.
ROY EDWARD HEFFNER, A.B., B.S., Instructor in Electrical Engineering.
FRED SCHMIDT HOEFER, B.S., Instructor in Electrical Engineering.
THOMAS IGNATIUS MATTHEWS, B.S., Instructor in Electrical Engineering.
WILLIAM CAREY MURRELL, B.E., Instructor in Electrical Engineering.
LOUIS SPRARAGEN, B.S., Instructor in Electrical Engineering.
DWIGHT LEEDS McNULTY, Instructor in Machine Design.
SOL JOSEPH REXWOOD NADLER, B.S., Instructor in Machine Design.
JAMES HARRY SCOFIELD, B.S., Instructor in Machine Design.
RAYMOND A. VAN SWERINGEN, Assistant in Machine Design.
WILLIAM EDWIN RICHMOND, Assistant in Machine Design.
RICHARD JOHN WATTERS, Assistant in Machine Design.
WARREN HINES CLARK, Assistant in Electrical Engineering.
HERMAN HALPERIN, Assistant in Electrical Engineering.
WILLIAM STOUFFER SCHMIDT, Assistant in Electrical Engineering.
CHESTER ALLEN KURTZ, Assistant in Power Engineering.
RALPH RAYMOND BUSH, Assistant in Power Engineering.
HAMILTON HARVEY ROBERTS, Assistant in Power Engineering.
DAVID BUSH GREEN, Foreman in Machine Shop.
JAMES EUGENE VANDERHOEF, Foreman of Foundry.
WALTER LISTON HEAD, Foreman of Forge Shop.
LEROY HOOPER, Foreman of Pattern Shop.
HARRY E. DAVIS, Assistant in Machine Shop.
HOWARD STANLEY BUSH, Assistant in Pattern Shop.
CHARLES A. DEWITT, Assistant in Forge Shop.
CHARLES E. PATTERSON, Assistant in Foundry.

GEORGE WASHINGTON RACE, Mechanician in Experimental Engineering.
 EDWARD WARREN GREGORY, Mechanician in Experimental Engineering.
 GEORGE ALFRED CULLIGAN, Mechanician in Electrical Engineering.
 ALFRED WILLIAM NEIGH, Engineer.

THE DEGREE OF MECHANICAL ENGINEER

For admission to Sibley College, see page 45; for tuition and fees in Sibley College, see page 52.

The undergraduate instruction for students in Sibley College leads to the degree of Mechanical Engineer, the requirement for which is the completion of one of the following curricula. For the requirements in military science and tactics and in physical culture see page 194.

1. The curriculum of four years in mechanical and electrical engineering.
2. The curriculum of five years in mechanical and electrical engineering.
3. The curriculum of six years in arts and sciences : and mechanical engineering.

THE CURRICULUM OF FOUR YEARS IN MECHANICAL AND ELECTRICAL ENGINEERING

In the fourth year in all courses, opportunity is offered for specializing in the different branches of mechanical, electrical, and industrial engineering.

NOTE. In referring to courses the following abbreviations are used: Shop, S; Machine Design, D; Mechanics of Engineering, M; Power Engineering, P; Experimental Engineering, X; Electrical Engineering, E; Industrial Engineering, I. From two and one-half to three hours a week of actual work in shops, laboratories, computing work, or drawing count as one credit hour in the schedule.

Freshman Year

Course	No. of Course	Hours 1st Term	Hours 2d Term
Analytic Geometry and Calculus.	6	6	6
Chemistry	1	0	6
Physics	3	6	0
Drawing and Descriptive Geometry.	D 1, 2	3	3
Foundry	S3	2 or 0	0 or 2
Forge	S4	0 or 1	1 or 0
Engineering Principles	P1	1	1 or 0
Military Drill	I	1	1

Sophomore Year

Course	No. of Course	Hours 1st Term	Hours 2d Term
Mechanics of Engineering.	M5, 6	5	5
Physics, Recitations.	I1	4	0
Physics, Laboratory.	I4	2	2
Electrical Engineering.	E5	0	2
Chemistry	6	0 or 5	5 or 0
Kinematics	D6	0	2
Drawing	D5, 7	3	3
Materials	X6	3 or 0	0 or 3
Pattern Making	S7	3 or 0	0 or 3
Military Drill	I	1	1

Junior Year

Course	No. of Course	Hours 1st Term	Hours 2d Term
Heat-Power Engineering	P10	3	3
Electrical Engineering	E14	2	2
Electrical Engineering	E15	2	2
Mechanical Laboratory	X10, 11	3	3
Machine Design—(a) Drawing	D10	2	2
(b) Lectures and Recitations	D16	3	3
Machine Work	S10	2	2
Industrial Organization	I12	0	0
Hydraulics	M12	2	2

Senior Year

In the senior year the regular student must complete one of the following options:

Option A Electrical Engineering**Senior Electrical Engineering Option**

Course	No. of Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P 20	3	0
Mechanical Laboratory	X 22	2	0
Economics	52	2	2
Electrical Machinery	E 20	2	2
Electrical Machinery	E 21	3	3
Electrical Design	E 22	2	2
Electrical Laboratory	E 28	4	4
Electives (or Thesis, X 32)*		2	5

Option B Heat-Power Engineering**Senior Heat-Power Engineering Option**

Course	No. of Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P 20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E 36	2 or 0	0 or 2
Electrical Engineering	E 37	0 or 2	2 or 0
Economics	52	2	2
Heat-Power Machinery Design	P 23	3	3
Drawing and Design	P 24	2	2
Steam Turbines	P 25	0	2
Elective (or Thesis, X 32)*		4	2

Option C Structural and Plant Engineering**Senior Structural and Plant Engineering Option**

Course	No. of Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P 20	3	3
Mechanical Laboratory	X 20, 21	3	3
Electrical Engineering	E 36	2 or 0	0 or 2
Electrical Engineering	E 37	0 or 2	2 or 0
Economics	52	2	2
General Engineering Design	D 22	2	2
Drawing and Design	D 23	3	3
Elective (or Thesis, X 32)*		4	4

*Not more than four hours credit in Advanced Military Science (in addition to the three hours of drill regularly required of first and second year men) will be accepted toward meeting the requirements for the M.E. degree.

Option D Ship Design and Construction**Senior Ship Design and Construction Option**

Course	No. of Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P20	3	3
Mechanical Laboratory	X 20, 21	3	3
Electrical Engineering	E36	2 or 0	0 or 2
Electrical Engineering	E37	0 or 2	2 or 0
Economics	E52	2	2
Ship Design	D25	3	3
Speed and Power of Ships	D26	0	2
Drawing and Computation	D27	3	3
Specifications, Contracts, etc	D28	2	0
Elective*		0	2

Option E Industrial Engineering**Senior Industrial Engineering Option**

Course	No. of Course	Hours 1st Term	Hours 2d Term
Power Plant Design	P 20	3	3
Mechanical Laboratory	X20, 21	3	3
Electrical Engineering	E36	2 or 0	0 or 2
Electrical Engineering	E37	0 or 2	2 or 0
Industrial Administration	I20	2	2
Drawing and Design	I22	3	3
Safety Engineering and Fire Protection	I23	0	2
Accounting	58a	3	0
Electives*		0	3

THE CURRICULUM OF FIVE YEARS IN MECHANICAL AND ELECTRICAL ENGINEERING

First Year

Course	No. of Course	Hours 1st Term	Hours 2d Term
English	I	4	4
Advanced Algebra†	2	5	0
Solid Geometry†	1	0	3
Trigonometry†	3	0	3
Chemistry	1	0	6
Engineering Principles	Pr	1	0
Forge Shop	S4	0	1
Foundry	S3	2	0
Elective in Arts and Sciences		5	0
Military Drill	1	1	1

Second Year

Course	No. of Course	Hours 1st Term	Hours 2d Term
Analytical Geometry and Calculus	6	6	6
Chemistry	6	5	0
Physics	3	0	6
Drawing	DI, 2	3	3
Elective in Arts and Sciences		3	2
Military Drill	1	1	1

*See footnote, page 172.

†If credited in this subject at the time of admission, an equivalent number of hours may be elected in some other subject.

Third Year

Course	No. of Course	Hours 1st Term	Hours 2d Term
Mechanics of Engineering	M5, 6	5	5
Physics, Recitations	11	4	0
Physics, Laboratory	14	2	2
Electrical Engineering	E5	0	2
Kinematics	D6	0	2
Drawing	D5, 7	3	3
Materials	X6	3	0
Pattern Making	S7	0	3
Elective in Arts.		3	0

Fourth and Fifth Years

The fourth and fifth years are identical with the third and fourth years of the regular four-year course (see pages 171 to 173).

THE CURRICULUM OF SIX YEARS IN ARTS AND SCIENCES AND MECHANICAL ENGINEERING

A student in the College of Arts and Sciences who has satisfied at least six terms of residence, may with the permission of the faculties concerned be registered in the College of Arts and Sciences and also in any other college of Cornell University. This provision enables a student who so desires to obtain the degree of A.B. from the College of Arts and Sciences at the end of four years, and the degree of M.E. from Sibley College at the end of six years. Advice and assistance in arranging such a course may be had by applying to the Dean of Sibley College and the Dean of the College of Arts and Sciences.

In order to make it possible to secure the M.E. degree at the end of the sixth year, the student must complete the freshman engineering subjects before the beginning of his fourth year, and must complete the list of sophomore subjects before the beginning of his fifth year.

ELECTIVES

Students having the necessary preparation and having the approval of their class advisers may take any subject in any department of the University. For detailed information regarding these elective subjects see the announcements of the departments in which they are given.

TECHNICAL ELECTIVES GIVEN IN SIBLEY COLLEGE FOR SENIORS ONLY

Thesis, X32; Steam Boiler Design, P30; Steam Turbines, P25; Gas Power Machinery, P29; Motor Car Construction, P32; Heating and Ventilating, P33; Engineering Research, X30; Engineering Notes, D24; Speed and Power of Ships, D26; Advanced Designing, D40; Industrial Administration, I20; Safety Engineering and Fire Protection, I23; Central Stations, E23; Elements of Electrical Railway Practice, E25; Wireless Telegraphy, E27; Special Electrical Engineering Problems, E33; Engineering Mathematics, E30; Hydraulic Turbines, M21; Sibley Journal Credit, X40.

SCHOLARSHIPS AND PRIZES

The Sibley Prize in Mechanic Arts, the Frank William Padgham Scholarship, the Fred Lewis Wilson Scholarship, and the Wurts Loan Fund, are awarded only to students in Sibley College; the **Fuertes Memorial Prizes in Public Speaking** are awarded only to students in the two colleges of engineering and in the College of Architecture. For these and for the prizes and scholarships that are open to all students of the University, see pages 181 to 188.

COURSES OF INSTRUCTION

From two and one-half to three hours in shops, laboratories, computation work, or drawing count as one credit hour in the schedule.

DEPARTMENT OF MACHINE CONSTRUCTION

S 3. **Foundry Work.** Freshmen. Either term, credit two hours. Mr. VANDERHOEF and assistant.

S 4. **Forge Work.** Freshmen. Either term, credit one hour. Mr. HEAD and assistant.

S 7. **Pattern Making.** Sophomores. Either term, credit three hours. Prerequisite, course S 3. Mr. HOOPER and assistants.

S 10. **Machine Work.** Juniors. Throughout the year, credit two hours a term. Prerequisite, courses S 3, 4, and 7. Professor WELLS, Mr. GREEN, and assistants.

DEPARTMENT OF MACHINE DESIGN

D 1. **Drawing.** Required of freshmen. First term, credit three hours. Assistant Professor HAM and instructors.

D 2. **Descriptive Geometry.** Required of freshmen. Second term, credit three hours. Assistant Professor HAM and instructors, as in D 1.

D 3. **Drawing.** For students registered for the degree of Bachelor of Chemistry. First term, credit three hours. Assistant Professor HAM and instructors.

D 5. **Machine Drawing.** Sophomores. First term, credit three hours. Prerequisite, course D 1. Assistant Professor ROGERS and instructors.

D 6. **Kinematics.** Sophomores. Second term, credit two hours. Prerequisite, courses D 1 and 2, and must be taken with course D 7. Assistant Professor ROGERS and instructors.

D 7. **Kinematic Drawing.** Sophomores. Second term, credit three hours. Prerequisite, courses D 1 and 2, and must be taken with course D 6. Assistant Professor ROGERS and instructors.

D 10. **Drawing and Design.** Juniors. Throughout the year, credit two hours each term. Prerequisite, courses D 5, 6, 7, and M 5 and 6, and must be taken with course D 16. Professors KIMBALL and ALBERT, and instructors.

D 16. **Machine Design.** Juniors. Throughout the year, credit three hours a term. Prerequisite, courses D 5, 6, 7, and M 5 and 6, and must be taken with D 10. Professors KIMBALL and ALBERT, and instructors.

D 22. **General Engineering Design.** Required of seniors in Option C. Throughout the year, credit two hours a term. Prerequisite, courses D 10, and 16, and P 10, and must be taken with D 23. Assistant Professor LEE and Mr. TOWNSEND.

D 23. **Drawing and Design.** Nine hours of work a week throughout the year, credit three hours a term. Prerequisite, courses D 10 and 16, and P 10, and may be taken only in connection with D 22. Assistant Professor LEE and Mr. TOWNSEND.

D 24. **Engineering Notes.** Elective for seniors. Second term, credit two hours. Prerequisite, courses D 10 and 16. Professor McDERMOTT.

D 25. **Ship Design.** Required of seniors in Option D. Lectures throughout the year, credit three hours a term. Prerequisite, courses D 10 and 16. Professor McDERMOTT.

D 26. **Speed and Power of Ships.** Required of seniors in Option D. Second term, credit two hours. Prerequisite, courses D 10 and 16. Professor McDERMOTT.

D 27. **Design and Drawing.** Required of seniors in Option D. Throughout the year, credit three hours a term. Must be accompanied by course D 25. Professor McDERMOTT.

D 28. **Specifications, Contracts, etc.** Required of seniors in Option D. First term, credit two hours. Prerequisite, courses D 10 and 16. Professor McDERMOTT.

D 40. **Advanced Designing.** For graduates who have had the equivalent of courses D 22 and 23, or of D 25, 26, and 27. Professors KIMBALL, McDERMOTT, and ALBERT.

DEPARTMENT OF MECHANICS OF ENGINEERING

M 5 and 6. **Mechanics of Engineering.** Sophomores. Credit five hours a term. M 5 in first term, M 6 in second term. Prerequisite, Mathematics 6. Professors WOOD and GARRETT and instructors.

M 12. **Hydraulics.** Juniors. Second term, credit two hours. Prerequisite, courses M 5 and 6. Assistant Professor SWITZER and assistant.

M 21. **Hydraulic Turbines.** Elective. First term, credit two hours. Prerequisite, course M 12. Assistant Professor SWITZER.

DEPARTMENT OF HEAT-POWER ENGINEERING

P 1. **Engineering Principles.** Freshmen. Either term as assigned, credit one hour. Dean SMITH and heads of departments.

P 10. **Elementary Heat-Power Engineering.** Required of all juniors. Throughout the year, credit three hours a term. Prerequisite, Physics 8, 9, and 14, Chemistry 6, courses M 5 and 6, and D 5, 6, and 7. Professor ELLENWOOD and instructors.

P 11. **Heat Engines and Auxiliaries.** Required of C.E. seniors. Either term, credit three hours. Not open to Sibley students. Prerequisite, Physics 2 and 7, (or the equivalent), Chemistry 1, and C.E. 20. Professor ELLENWOOD.

P 20. **Power Plant Design.** Required of all regular seniors. Throughout the year, credit three hours a term. Prerequisite, course P 10. Professor SMITH and Assistant Professor MATTHEWS.

P 23. **Heat-Power Machinery Design.** Required of seniors in Option B, and not open to others. Throughout the year, credit three hours a term. Prerequisite, courses D 10, and 16 and P 10, and must be accompanied by P 24. Professor BARNARD.

P 24. **Designing and Drawing.** Required of seniors in Option B, and not open to others. Throughout the year, credit two hours a term. Prerequisite, courses D 10, and 16 and P 10, and must be accompanied by P 23. Professor BARNARD.

P 25. **Steam Turbines.** Senior elective. Required of those taking the design of steam engines in P 24. Second term, credit two hours. Prerequisite, course P 10. Professor BARNARD.

P 29. **Gas Power Machinery.** Seniors. First and second terms, credit two hours. Not open to students taking Option B. Prerequisite, courses D 10 and 16 and P 10. Professor DIEDERICHS.

P 30. **Steam Boiler Design.** Seniors. First term, credit two hours. Prerequisite, courses D 10 and 16 and P 10. Professor BARNARD.

P 31. **Pumping and Refrigeration.** Elective. Two hours, first and second terms. Credit two hours each term. Dean SMITH.

P 32. **Motor Car Construction.** Elective. Second term, credit two hours. Prerequisite, courses P 10, and D 10 and 16. Professor UPTON.

P 33. **Heating and Ventilating.** Elective. First term, credit two hours. Prerequisite, courses P 10 and D 10 and 16. Professor SAWDON.

P 40. **Advanced Heat-Power Engineering.** Elective for those who have completed the equivalent of the design subjects in senior Option B. Professors SMITH and BARNARD.

P 41. **Readings in English Literature.** Open to juniors and seniors in Sibley College. Two readings a week from Thanksgiving to Easter recess; credit one hour. Professor SAMPSON.

DEPARTMENT OF EXPERIMENTAL ENGINEERING

A. Mechanical Laboratory Division

X 6. **Manufacture of Engineering Materials.** Required of sophomores. First or second term, credit three hours. Prerequisite, Chemistry 1. Professor DIEDERICHS.

X 10. **Mechanical Laboratory—Properties of Engineering Materials.** Juniors. First term, credit three hours. Prerequisite, courses X 6, and M 5 and 6. Professor UPTON and instructors.

X 11. **Mechanical Laboratory—Introductory Experimental Engineering.** Juniors. Second term, credit three hours. Prerequisite, courses M 5 and 6, Chemistry 6, and Physics 3. Professor UPTON and instructors.

X 12. **Mechanical Laboratory.** For students in Chemistry. Second term only, credit four hours. Prerequisite, courses M 5, and Physics 10 and 14. Assistant Professor GAGE and instructors.

X 20. **Mechanical Laboratory—Experimental Engineering.** M.E. seniors. First term, credit three hours. Prerequisite, courses X 10, 11, and P 10. Assistant Professor GAGE and instructors.

X 21. **Mechanical Laboratory—General Experimental Engineering.** Seniors in M.E. Second term, credit three hours. Instructing staff as in X 20.

X 22. **Mechanical Laboratory.** Required of seniors in the Electrical Engineering Option. First term, credit two hours. Prerequisite, X 10, 11 and P 10. Instructing staff as in X 20.

B. Engineering Research Division

X 30. **Engineering Research.** Elective. Either term or both, credit one hour for forty hours of actual work. Professors DIEDERICHS, SAWDON, and UPTON, and Mr. DAVIS.

X 32. **Thesis.** Senior elective. Either term or both, maximum total credit eight hours. Professors DIEDERICHS, SAWDON, and UPTON, and Mr. DAVIS.

X 40. **Sibley Journal Credit.** Undergraduate members of the Sibley Journal Board may receive not to exceed two hours of University credit in each term of their senior year (i. e. a maximum credit of four hours) for work satisfactorily done for The Sibley Journal, provided they are elected to the Board in their sophomore year, or before, and continue as active members on to the end of the term in which credit is desired.

DEPARTMENT OF ELECTRICAL ENGINEERING

E 5. Introductory Course in Electrical Engineering. Required of all sophomores. Second term only, credit two hours. Prerequisite, Physics 3 and Mathematics 6. Assistant Professor PERTSCH.

E 12. Essentials of Electrical Engineering. Required of seniors in the civil engineering and chemistry courses. First term only, credit four hours. Assistant Professor PERTSCH and instructor

E 14. Elementary Electrical Engineering. Required of all juniors in the regular course, and of seniors in mining. Throughout the year, credit two hours a term. Prerequisite, Physics 8, 9, 14, M 5, 6, and E 5. Must be accompanied by E 15. Professor GRAY and instructors.

E 15. Elementary Electrical Engineering. Required of all juniors in the regular course, and of seniors in mining. Throughout the year, credit two hours a term. Prerequisite, Physics 8, 9 and 14, and courses M 5 and 6. Must be accompanied by E 14. Professor GRAY and instructors.

E 20. Theory of Electrical Machinery. Required of seniors in Option A. Throughout the year, credit two hours a term. Prerequisite, courses E 14 and 15. Professor KARAPETOFF.

E 21. Characteristics of Electrical Machinery. Required of seniors in Option A. Throughout the year, credit three hours a term. Prerequisite, courses E 14 and 15. Professor KARAPETOFF and instructors.

E 22. Electrical Design. Required of seniors in Option A. Throughout the year, credit two hours a term. Must be accompanied by courses E 20 and 21. Professor GRAY and Assistant Professor PERTSCH.

E 23. Central Stations. Elective for seniors in E.E. Second term only, credit two hours.

E 25. Elements of Electric Railway Practice. Elective for seniors. Second term only, credit two hours. Prerequisite, courses E 14 and 15. Mr. CHAMBERLAIN.

E 27. Wireless Telegraphy and Telephony. Elective for seniors in electrical engineering. Second term only, credit two hours. Prerequisite, courses first term of E 20, 21 and 28. Assistant Professor BALLARD.

E 28. Senior Electrical Laboratory. Required of seniors in electrical engineering (Option A). Throughout the year, credit four hours a term. Must be accompanied by courses E 20 and 21. Professor GRAY, Mr. CHAMBERLAIN, and instructors.

E 30. Engineering Mathematics. Elective. Open to seniors and graduate students only. Throughout the year, credit two hours a term. Professor KARAPETOFF.

E 33. Special Electrical Engineering Problems. First or second term or both. Credit two or more hours. Open to seniors. Professor GRAY, and other instructors as required.

E 36. Electrical Engineering for M. E. Seniors. Required of Sibley seniors who take Options B to E, inclusive. Not to be taken simultaneously with E 37. Two hours credit; repeated in the second term. Prerequisite, courses X 11, and E 14 and 15.

E 37. Electrical Engineering for M. E. Seniors. Required of Sibley seniors who take Options B to E inclusive. Not to be taken simultaneously with course E 36. Two hours credit; repeated in the second term. Prerequisite, courses X 11, and E 14 and 15.

Seminary in Electrical Engineering. For seniors and graduate students. No credit. Conducted by Professors GRAY and KARAPETOFF.

(For other electrical and illumination courses see under Physics in the Announcement of Courses in the College of Arts and Sciences.)

DEPARTMENT OF INDUSTRIAL ENGINEERING

I 12. Industrial Organization. Required of all juniors in Sibley College and not open to freshmen or sophomores. Open to juniors and seniors of other colleges. First term, credit two hours. Professor KIMBALL.

I 20. Industrial Administration. Required of all seniors in Option E. Elective for seniors pursuing other options. Credit, two hours a term. Prerequisite, course I 12. Professor KIMBALL.

I 21. Costs, Wages, and Management. First term, credit two hours. Elective for juniors and seniors in Sibley College, except those who are electing, or who expect to elect, the senior industrial group; open also to upperclassmen in other colleges. Professor WELLS.

I 22. Drawing and Design. Required of all seniors in Option E. Credit three hours a term. Prerequisite, courses D 10 and 16, and must be accompanied by I 20. Professor ALBERT.

I 23. Safety Engineering and Fire Protection. Required of, and open only to, seniors in Option E. Second term, credit two hours. Prerequisite, course I 12. Professor WELLS.

I 40. Advanced Industrial Engineering. Open to graduates and seniors who have completed the equivalent of courses I 20 and 22. Professors KIMBALL, WELLS, and ALBERT.

THE UNIVERSITY LIBRARIES

Jacob Gould Schurman, A.M., D.Sc., LL.D., President of the University.

Willard Austen, Librarian.

Andrew Curtis White, Ph.D., Assistant Librarian.

George Lincoln Burr, A.B., LL.D., Curator of the White Library.

Halldor Hermannsson, Curator of the Icelandic Collection.

Mary Fowler, B.S., Curator of the Petrarch and Dante Collections.

Elizabeth Sage Ingersoll, Superintendent of the Accessions Division.

Minerva A. Stubbs, Supervisor of Periodicals.

Olla Rebecca Ayres, A.B., Supervisor of the Catalogue.

Emma Romelia Speed, A.B., Senior Cataloguer.

Lillian Leland, Junior Cataloguer.

Elias Root Beadle Willis, A.B., A.M., Superintendent of the Readers Division.

Anna Gregory, Senior Assistant, Readers Division.

George de Grassi, Superintendent of the Stacks Division.

E. E. Willever, Librarian of the Law Library.

Willard Waldo Ellis, LL.B., Librarian of the New York State College of Agriculture.

The University Libraries comprise the General Library of the University, the Seminary Libraries in the general library building, the Architectural Library, the Chemical Library, the Sibley Engineering Library, the Civil Engineering Library, the Law Library, the Flower Veterinary Library, the Barnes Reference Library, the Goldwin Smith Hall Library, the Stimson Hall Medical Library, and the Library of the New York State College of Agriculture. The total number of classified volumes and pamphlets in these is now about six hundred and twenty thousand. The number of periodicals, transactions, and other serials, currently received, is over two thousand and of most of these complete sets are on the shelves.

The General Library Building is the gift of the late Hon. Henry W. Sage. The general reading rooms contain accommodations for two hundred and seventy readers, and the open book cases around the rooms provide shelf-room for twelve thousand volumes. In the tower are the great bell of the University, the gift of Mrs. Mary White, and the chime of bells, the gift of Mrs. Jennie McGraw Fiske.

The income of an endowment fund of three hundred thousand dollars, given by the late Henry W. Sage in 1891, is devoted to the purchase of books and periodicals. The free income of an endowment fund of five hundred and three thousand dollars, received in 1906 by the bequest of the late Willard Fiske, is to be expended for the uses and purposes of the Library, with specific provision for the maintenance and increase of the Icelandic and the Italian collections.

Supplementing the general card catalogue of the library, there have been issued printed catalogues of the President White collections on the Protestant Reformation (1889) and the French Revolution (1894), and of the Rhaeto-Romanic collection (1894), the Dante collection (1900), the Icelandic collection (1914), the Petrarch collection, and the Runic collection.

The library is primarily for the use of University officers and students. Books not held in reserve for special reasons are allowed to go out for home use to all registered borrowers. Cards of admission to the shelves in the stack-rooms, and to the White Historical Library, will be issued to students for a limited time for purposes of consultation and research, when their work is of such a nature as to require access to the book shelves.

Among the more important special collections in the General Library may be mentioned:

THE ANTHON LIBRARY, of nearly seven thousand volumes, the collection made by the late Professor Charles Anthon of Columbia College, in the ancient classical languages and literatures, besides works in history and general literature.

THE BOPP LIBRARY, of about twenty-five hundred volumes, relating to the oriental languages and literatures, and comparative philology, being the collection of the late Professor Franz Bopp of the University of Berlin.

THE GOLDWIN SMITH LIBRARY, of thirty-five hundred volumes, comprising chiefly historical works and editions of the English and ancient classics, presented to the University in 1869 by the late Professor Goldwin Smith, and increased during later years by the continued liberality of the donor.

THE WHITE ARCHITECTURAL LIBRARY, a collection of over twelve hundred volumes relating to architecture and kindred branches of science, given by the late President White.

THE KELLY MATHEMATICAL LIBRARY, comprising eighteen hundred volumes and seven hundred tracts, presented by the late Hon. William Kelly of Rhinebeck.

THE SPARKS LIBRARY, being the library of Jared Sparks, sometime President of Harvard University, consisting of upward of five thousand volumes and four thousand pamphlets, relating chiefly to the history of America.

THE MAY COLLECTION, relating to the history of slavery and anti-slavery, the nucleus of which was formed by the gift to the library of the late Rev. Samuel J. May of Syracuse.

THE SCHUYLER COLLECTION of folk-lore, Russian history and literature, presented by the late Hon. Eugene Schuyler in 1884.

THE PRESIDENT WHITE HISTORICAL LIBRARY, of about twenty-three thousand volumes and pamphlets, the gift of the late President White, received in 1891; especially rich in the primary sources of history, and containing notable collections on the period of the Reformation, on the English and French Revolutions, on the American Civil War, and on the history of superstition.

THE SPINOZA COLLECTION, numbering four hundred and fifty volumes, presented in 1894, by the late President White.

Four remarkably rich collections given by the late Willard Fiske, comprising the **DANTE COLLECTION**, containing over eight thousand volumes, the **PETRARCH COLLECTION**, containing about four thousand volumes, the **RHAETO-ROMANIC COLLECTION**, containing about thirteen hundred volumes, and the **ICELANDIC COLLECTION**, containing over fifteen thousand volumes.

THE ZARNCKE LIBRARY, containing about thirteen thousand volumes and pamphlets, especially rich in Germanic philology and literature, purchased and presented in 1893 by William H. Sage.

THE HERBERT H. SMITH COLLECTION of books relating to South America, purchased in 1896.

A valuable collection of books on French and Italian Society in the 16th and 17th centuries, presented by Professor T. F. Crane in 1896.

THE FLOWER VETERINARY LIBRARY, the gift of ex-Governor Flower to Cornell University, in 1897, for the use of the State Veterinary College.

THE EISENLOHR LIBRARY, containing about one thousand volumes of Egyptology and Assyriology, purchased and presented in 1902 by A. Abraham.

THE BAYARD TAYLOR correspondence and journals and his collection of Goethe literature, presented to the Library, in 1905 by Mrs. Marie Taylor.

THE ANGLO-SAXON COLLECTION and the **COWPER COLLECTION**, formed by the late Professor Hiram Corson, bequeathed to the Library, and received in 1911.

THE ENGLISH COLLECTION, presented by Professor J. M. Hart in 1914.

THE COLLECTION OF JAPANESE LITERATURE presented to the University in 1915 by Dr. William Elliot Griffis.

THE GUTEAU INSURANCE LIBRARY, purchased in 1916.

THE CHARLES WILLIAM WASON COLLECTION of books dealing with China and the Chinese. An endowed collection of about ten thousand volumes and pamphlets given by the late C. W. Wason, '76, of Cleveland, Ohio.

THE JAMES VERNER SCAIFE COLLECTION of U. S. Civil War literature given by Mr. Scaife of the class of 1889. This gift, which was received in 1919, combines with the President White books in the same field to form a strong collection.

THE EMIL KUICHLING COLLECTION of hydraulic and sanitary engineering books, presented by Mrs. Kuichling in 1919 for the use of the engineering students,

These collections, and others such as these, making possible an exhaustive study of certain fields, are of the greatest service in research work. A similar purpose is served by the seminary rooms of the University Library. Thus, for the study of English, of the classical languages, of the Germanic and Romance languages, of philosophy, of politics and economics, of American and of European history, there have been provided in the library building six of these research rooms, each equipped with a carefully chosen body of reference books, to which advanced students in these fields have access. In connection with the scientific and technical laboratories similar collections have been formed and well supplied with reference books, standard works, and sets of periodicals, conveniently arranged for study and research.

The following are the more important divisions of the University libraries kept outside the main library:

The Goldwin Smith Hall Library, in Goldwin Smith Hall, is distinctly a reference collection, numbering now over two thousand volumes. It consists chiefly of books used in connection with the undergraduate work in humanities, providing in certain cases many copies of the books most in demand in the larger classes.

The Law Library occupies the third floor of Boardman Hall. It now contains over fifty thousand volumes, and includes the library of the late Nathaniel C. Moak, presented in 1893 by Mrs. A. M. Boardman and Mrs. Ellen D. Williams, as a memorial to Judge Douglas Boardman, the first Dean of the College of Law. In reports to the Federal Courts, reports of the several American state jurisdictions, and in English, Scotch, Irish, and Canadian reports, the law library is practically complete to date. The library also possesses complete sets of all the leading law periodicals in English.

The Barnes Biblical Library was presented to the University by the late Alfred C. Barnes for the use of the Cornell University Christian Association, and occupies a room in Barnes Hall. The collection now numbers two thousand, three hundred volumes, all fully catalogued as part of the University Library. After the death of the donor his children gave to the University, for the maintenance and increase of the collection, an endowment of five thousand dollars.

The Flower Veterinary Library, now numbering over five thousand volumes, owes its formation to the late Roswell P. Flower who in 1897 gave five thousand dollars to Cornell University to establish a veterinary library for the use of the State Veterinary College. In 1901, Mrs. Flower gave to the University ten thousand dollars for an endowment fund, the annual income of which is to be used for this library.

The Stimson Hall Medical Library was established in 1903 by gifts and by class memorial subscriptions. It now contains over fourteen hundred volumes.

The Medical College in New York City has its own library containing about seven thousand bound volumes and a large number of reprints and monographs including the Birch-Hirschfeld bound collection. The library receives about one hundred current periodicals which include nearly all the more important German, French, English and Italian journals in the field of medical science.

The Agricultural College Library, comprising the college library, the Forestry Library, and the Craig Horticultural Library, consists of some twelve thousand volumes.

SCHOLARSHIPS AND PRIZES

STATE TUITION SCHOLARSHIPS

(Awarded by New York State)

Under the law of the State of New York, the Commissioner of Education is empowered to award annually a number of free scholarships in Cornell University equal to the number of Assembly Districts in the State of New York. Each scholarship entitles the holder to free tuition for four years beginning in the September immediately following the award of the scholarship.

Every scholarship holder must satisfy the regular requirements for admission to one of the colleges of the University.

Holders of State scholarships are notified that failure to register before the close of the last registration day for each term involves the severance of their connection with the University and consequently the forfeiture of their scholarships. The Commissioner of Education fills all vacancies in scholarships.

A State scholarship holder, after regular registration at the University, may receive a leave of absence for the purpose of earning necessary funds to defray his living expenses at the University. Such leave of absence may be granted at the beginning of the University course, but in that case the scholarship will not be extended for the period covered by the leave of absence; on the contrary it will lapse at the expiration of four years from the date of its original award. If, however, leave of absence for the aforementioned purpose is granted after the holder has made a creditable record in the University for at least one year, his scholarship will be extended for a period not to exceed two years, thus making the scholarship valid for a total period not to exceed six years from the date of the original award. State scholarship holders desiring leave of absence on their scholarships should apply at the Secretary's Office, 31 Morrill Hall, Ithaca, New York. Leave of absence from the University does not carry with it leave of absence on State scholarships.

Every person who shall have entered the military or naval service of the United States since April 6, 1917, or who shall hereafter enter such service during the present war, and who at the time of such entrance held a State scholarship in Cornell University and was exercising the rights and privileges thereunder or held such scholarship under a leave of absence granted pursuant to Subdivision 6 of Section 1037 of the Education Law, may reassume such scholarship and exercise and enjoy all rights and privileges thereunder at any time within one year after the termination of such war.

For particulars in regard to the awarding of Cornell University State Scholarships, application should be made to the Commissioner of Education, Albany, New York.

STATE UNIVERSITY SCHOLARSHIPS

Known at Cornell as the "State Cash Scholarships"

(Awarded by New York State)

Under the law of the State of New York (Chapter 292, Laws of 1913), State scholarships have been established in the several counties of the State, to be maintained by the State as provided by law. Five such scholarships are to be awarded to each county annually for each Assembly District therein. Each such scholarship will entitle the holder thereof to the sum of \$100 for each year of his attendance upon an approved college in the State during a period of four years. A person who receives such scholarship is not restricted in his choice of the college which he desires to attend, or as to the course of study which he proposes to pursue; provided that no such scholarship shall include professional instruction in law, medicine, dentistry, veterinary medicine, or theology, except so far as such

instruction is within a regularly prescribed course of study leading to a degree other than in one of the above named professions; and provided further, that the college selected by the person entitled to such scholarship is situated within the State of New York, and is incorporated as a college and authorized under the laws of the State and the rules of the Regents of the University to confer degrees.

University scholars absent because of the performance of military service or of agricultural or industrial service are entitled to an extension of the period covered by their scholarships upon presentation of evidence satisfactory to the Commissioner of Education that they have been engaged in such service. In no case shall a scholar be entitled to receive more than the sum of \$100 each year for a period of four years to aid him in the completion of a college education.

For particulars in regard to the awarding of State scholarships, application should be made to the Commissioner of Education, Albany, New York.

UNIVERSITY UNDERGRADUATE SCHOLARSHIPS

(Awarded by the University)

Eighteen University Undergraduate Scholarships, each continuing for two years and of an annual value of \$200, are offered each year to members of the incoming freshman class. The award is made on the basis of a special competitive examination held in Ithaca in September between the period of the entrance examinations and the opening of the University.

Every candidate for such a scholarship must have satisfied the full entrance requirements of that college of the University which he proposes to enter.

Holders of New York State scholarships, either State tuition scholarships or State cash scholarships, or both, are eligible for University undergraduate scholarships.

The University undergraduate scholarships will be awarded on the basis of examinations in three of the eight following subjects:

(a) English. Entrance requirement. (b) Greek. Greek grammar and composition; translation at sight of simple prose. (c) Latin. Latin Grammar and Caesar, composition and Cicero or Vergil. (d) French. Third year French. (e) German. Third year German. (f) Spanish. Third year Spanish. (g) Elementary mathematics. Elementary Algebra; intermediate algebra; plane geometry. (h) Advanced mathematics. Solid geometry; advanced algebra; plane trigonometry.

In choosing three of these eight subjects, every candidate must take English and at least one of the other five languages; and any candidate who does not select either Latin or Greek must take advanced mathematics.

No scholarship will be awarded to any candidate who is reported markedly deficient in any subject in which he is examined, and the right is reserved to fill fewer than eighteen scholarships in the absence of a sufficient number of duly qualified candidates.

Before scholarships are awarded, every candidate must indicate the college and, if several courses of study with diverse entrance requirements are given in that college, the course in which he intends to register. In order to hold a scholarship, if it be awarded to him, he must register in that college or course, and he will forfeit his right to the scholarship if he transfers to any other college or course, unless, as shown by the records of the University, at the time when he was admitted, he had satisfied all the entrance requirements for the college or the course to which he transfers.

All persons shall be debarred from the competition for these scholarships who have participated in any previous competition for the same, or have been previously registered in the University (including the Summer Session) or in any other university or college.

The University Faculty's Standing Committee on Undergraduate Scholarships may, after the student has been given an opportunity to explain his unsatisfactory record, vacate any scholarship for negligence, failure to maintain a high standard of scholarship, or conduct of any kind that is unbecoming in a student holding such a scholarship.

Whenever any of these scholarships shall for any reason become vacant, the vacancy shall be filled as the Faculty may determine.

The moneys due on these scholarships are paid at the office of the Treasurer of the University in two equal payments on the 27th of February and the 30th of June, but no scholarship holder is entitled to receive his semi-annual payment until the Scholarship Committee has examined and approved his record for the preceding term, and until the chairman of the Scholarship Committee has certified that the record is satisfactory.

The special examinations for these scholarships begin on the first day of registration in September. Permits to take the examinations will be issued by the Registrar by mail on application, provided the candidate has satisfied all the entrance requirements, and provided the application is accompanied by a statement giving the name of the school at which the candidate was prepared, the name of the principal, and the college degrees held by the principal.

SPECIAL UNDERGRADUATE SCHOLARSHIPS

The Frank William Padgham Scholarship. This scholarship, founded in 1892 by Amos Padgham of Syracuse, New York, in memory of his son, Frank William Padgham, a graduate of Sibley College of the class of 1888, entitles the holder to free tuition and fees in the regular curriculum in Sibley College of Mechanical Engineering. It cannot be held in connection with a New York State Scholarship. The Frank William Padgham Scholarship will be awarded to the candidate who has had his preparatory education wholly or in part in the public schools of Syracuse, New York, and who, having been admitted to the regular curriculum in Sibley College, shall pass the best examination in a competitive examination on mathematics (solid geometry, advanced algebra, and plane trigonometry) and on two of the following: (1) Third year German; (2) third year French; (3) English. The examination for the Padgham Scholarship is held at the same time as the University Undergraduate Scholarship examinations.

State Grange Scholarships in Agriculture. At its annual meeting in February, 1914, the New York State Grange adopted a resolution whereby \$600 is to be given to members of the Order in the form of twelve scholarships in the winter courses in agriculture at Cornell University. The scholarships are each of the value of \$50, to be awarded to men or women who attain the highest standing in competitive examinations. The candidate should apply to the Master of the Pomona Grange in his home country, or to the Deputy in counties which have no Pomona Grange.

Boardman Senior Law Scholarship. A Senior Law Scholarship of the value of \$100, the gift of Judge Douglass Boardman, the first dean of the College, is awarded annually in June to the junior who has, in the judgment of the Faculty, done the best and most satisfactory work in law subjects to the end of his junior year. It is available during the senior year and is payable in the same way as are other University undergraduate scholarships. This scholarship may be forfeited in case the Faculty is convinced that the holder has not maintained a high standard of work, or has been guilty of conduct unbecoming the holder of such a scholarship.

Eudorus C. Kenney Scholarships. Under the will of Eudorus C. Kenney, of the class of 1882, his residuary estate was left to Cornell University, the net income to be used for the establishment of scholarships. The amount of the foundation is about \$40,000. Two scholarships, of the annual value of \$250 each, are awarded each year for a period of four years to applicants entering the University who are bona fide residents of the town of Truxton, Cortland County, New York. Such applicants shall be recommended by a committee consisting of the Principal of the Truxton Public School, the Superintendent of Schools for the district including Truxton, and the Supervisor for the Town of Truxton; the recommendation to be made and certified to the President of the University on or before September 15 of each year. The President shall award the scholarship and certify the award to the Treasurer and the Secretary of the University

Faculty. In case of a vacancy in any scholarship the value of the scholarship may be awarded by the Faculty Committee on Scholarships in such manner as it may deem best.

Fraser Scholarships. Two scholarships of the value of \$100 and \$50, respectively, the gift of an alumnus of the College of Law, in memory of Alexander Hugh Ross Fraser, late librarian of the College, are awarded annually about the beginning of the college year to seniors whose law study has been done entirely in Cornell University. They are awarded to students who have most fully evidenced high qualities of mind and character by superior achievement in scholarship and by those attributes of manliness which earn the commendation of teachers and fellow students. The award is made upon recommendation of the senior class by vote from a list of members submitted by the Faculty as eligible by reason of superior scholarship. The holder of the Boardman Scholarship is not eligible.

The Roberts Scholarship Fund, a gift of the late Dr. Charles H. Roberts of Oakes, Ulster County, New York, provides five annual scholarships. As expressed by the founder, the purpose of these scholarships is to furnish financial assistance to students in the College of Agriculture, who are of good moral character, who show native ability, tact, and application, and who are in need of such assistance. Preference is given to students who come from rural districts. The award is made after the close of the first term of each year. The value of each scholarship is \$240.

The Buffalo Alumni Association Scholarship of the annual value of \$200, for students who are residents of Erie or Niagara County, New York. Cornell University is not responsible for the awarding of this scholarship.

The Student Fund of the Cornell Club of Rochester provides a loan of the annual value of \$200 as a maximum. The recipient must be an upperclassman, must have had at least one year of residence at Cornell University, and must be eligible to membership in the Cornell Club of Rochester, New York. Cornell University is not responsible for the award or the payment of this scholarship.

The Fred Lewis Wilson Scholarship. The sum of approximately \$4,000 was bequeathed to Cornell University by Mrs. Mary Northrup Wilson to found and perpetuate a scholarship in honor of her son, Fred Lewis Wilson, who was graduated from Sibley College of Mechanical Engineering with the class of 1892. This scholarship, of the value of \$192, is awarded, for a period of not more than two years, to undergraduates who have been at least one year in the University. The award is made by a committee consisting of the President of the University and the Director of Sibley College, and one other person chosen by them. In awarding the scholarship consideration is given to scholarship, character, probable usefulness in the world at large, proficiency in mechanic arts, and financial need.

Beatty Agricultural Scholarships. By the will of the late Harrison L. Beatty of Bainbridge, New York, the income of \$5,000 is devoted to three equal scholarships in the winter courses, to be known as the Beatty Agricultural Scholarships. These scholarships are to be awarded to residents of Chenango County, one of whom shall be a resident of the town of Bainbridge. In making the award equal consideration will be given to education and practical experience. Competitive examinations are held annually in Norwich and Bainbridge, New York, in the last week of September; the exact dates are to be announced to those applying for the examinations. The applications must be sent to the Secretary of the College of Agriculture, Ithaca, New York, by September 1.

Scholarships for Foreign Students. With a view to aiding worthy students from the devastated countries of Europe, especially France, Italy, Belgium, Serbia, and Roumania, there have been established in the College of Agriculture five free tuition scholarships to be awarded by the Dean to worthy applicants from these countries. These scholarships carry free tuition for a period of four years each for such students to whom they may be awarded as shall enter any time prior to the close of the academic year 1922-1923.

The William Delmore Thompson Scholarship. This scholarship, established in memory of William Delmore Thompson, is for the benefit of all self-supporting students in mechanical engineering. It is to be awarded at the beginning of the junior year and, if the student's work proves satisfactory, is to continue through the senior year.

For scholarships and fellowships in the Graduate School, see page 57.

PRIZES

For information concerning the award of the following prizes, the pamphlet on Prize Competitions should be consulted.

The Woodford Prize, founded in 1870 by the Hon. Stewart Lyndon Woodford, is of the value of \$100 and will be given annually for the best English oration, both matter and manner of delivery being taken into account. The prize is in the form of a gold medal, but the winner may, if he chooses, receive instead the \$100 in money. Graduate students may not compete for this prize.

The Horace K. White Prizes, established in 1872 by Horace K. White of Syracuse, are awarded annually to the most meritorious students in the graduating class of the New York State Veterinary College, as follows: To the first in merit, \$15; to the second in merit, \$10.

Sibley Prizes in Mechanic Arts. Under the gift of the Hon. Hiram Sibley made in 1884, the sum of \$100 will be awarded annually to those students in Sibley College who shall, in the opinion of the Faculty of that institution, show the greatest merit in Sibley College work.

The '86 Memorial Prize, the income of a sum of money left as a memorial by the class of 1886 and amounting to \$86 annually, is an undergraduate prize in declamation to be awarded at a public contest held in May of each year.

The Barnes Shakespeare Prize. The Shakespeare Prize, founded in 1887 by Mrs. Alfred Smith Barnes of Brooklyn, consists of about \$50, the annual income from her gift of \$1,000. This prize is open only to undergraduate students.

The Fuertes Medals, two gold medals established in 1893 by Professor E. A. Fuertes, each of the value of one-half the amount of the income provided by the endowment fund, will be awarded under the following conditions:

One of these medals will be awarded annually to the student in the College of Civil Engineering who shall be found, at the time of graduation, to have maintained the highest scholarship in the courses of his college, provided he has been in attendance at the University for at least two years; and the other medal will be awarded annually to a graduate of the College of Civil Engineering for a meritorious paper tending to advance the scientific or practical interests of the profession of civil engineer.

The '94 Memorial Prize, the income of a fund established by the class of 1894 and amounting to about \$94 annually, is an undergraduate prize in debate, to be awarded at a public contest held in January of each year.

The Charles Goodwin Sands Memorial Medal, founded in 1900 by the family of Charles Goodwin Sands of the class of '90, is awarded for designs of exceptional merit presented in the regular competitions of the College of Architecture. The medal drawings are ranked as first and second medal drawings, according to merit. The author of a first medal drawing will receive a silver replica and the author of a second medal drawing a bronze replica of the medal. The award is for merit alone and while the medal is occasionally won by undergraduates, the standard is such that the honor of winning the first medal usually falls to graduate students.

The Clifton Beckwith Brown Memorial Medal was established in 1900 by John Harkness Brown in memory of his brother Clifton Beckwith Brown, killed on the field of battle at San Juan Hill. A silver replica is awarded to the senior in the

College of Architecture attaining the highest standing in design during his senior year, and a bronze replica to the senior taking second place. These medals however, are not awarded solely for order of merit; the award is not made unless the standard reached in design is considerably higher than that required for graduation.

The Corson Browning Prize, founded in 1902 by Professor Hiram Corson, consists of a gold medal of the value of \$50, to be awarded annually for the best competitive essay on Robert Browning. If the winner so desires, he may receive the value of the prize in money. Competition for this prize is open to juniors, to seniors, and to graduate students.

The Corson French Prize, founded in 1902 by Professor Hiram Corson in memory of his wife, Caroline Rollin Corson, consists of a gold medal of the value of \$50 to be awarded annually for the best essay on a subject in either French philology or literature. If the winner so desires, he may receive the value of the prize in money. Competition for this prize is open to all students.

The Guilford Essay Prize, founded in 1902 by the late James B. Guilford to promote "a high standard of excellence in English prose composition," consists of about \$150, the annual income from his bequest of \$3,000. This prize is open only to undergraduate students.

The Luana L. Messenger Memorial Prize, the annual income of a fund of \$5,000, founded in 1902 by Mr. Hiram J. Messenger, will be awarded in accordance with the terms of the gift, to that student of the University who submits the essay "giving evidence of the best research and most fruitful thought in the field of human progress or the evolution of civilization during some period in human history or during human history as a whole."

The John Metcalfe Polk Prizes. In memory of John Metcalfe Polk, an instructor in the Medical College, who was graduated from the Medical Department of Cornell University on June 7, 1889, and died on March 29, 1904, three prizes aggregating \$500 will be presented at each commencement to members of the graduating class who have completed the full course of study in Cornell University Medical College. These prizes will be awarded as follows: To the student having the highest standing, \$300; to the student having the second highest standing, \$125; to the student having the third highest standing, \$75.

The Sherman-Bennett Prize was founded in 1905 by Philo Sherman-Bennett of New Haven, who, by provision of his will, bequeathed to William J. Bryan, of Lincoln, Nebraska, a fund to found prizes in twenty-five colleges or universities to be selected by him. The prize consists of the income of \$400, and is awarded "for the best essay discussing the principles of free government." Competition is open to all students of the University.

The Morrison Trophy Cup Prize, founded in 1906, is awarded to students in the winter courses for proficiency in debate.

The Whiting Prizes. Two prizes, the first of \$50, the second of \$25, have been offered since 1908 by Professor Frederick Whiting to the two students of the graduating class of the Medical College, to be designated by him, who make the best record in practical and theoretical work in otology.

The J. T. Morrison Prize, founded in 1909 by J. T. Morrison of Ithaca, and consisting of a gold medal of the value of \$100 or of \$100 in cash, at the option of the successful competitor, will be given annually for the best original poem, or poems, matter and manner of delivery being taken into account. This prize is not open to graduate students.

The Eastman Prizes for Public Speaking. With the object of developing qualities of personal leadership in rural affairs, A. R. Eastman of Waterville, New York, established in 1909 a fund to provide two annual prizes, one of \$100 and one of \$20, for public speaking on country life subjects. Competition is open to any regular or special student in the College of Agriculture.

The Sampson Fine Arts Prize. This prize, founded in 1909 by Professor Martin Sampson in memory of his wife Frances Van Rensselaer Sampson, is awarded "to that student in the University who shows the most intelligent appreciation of the graphic and plastic arts and architecture." The prize is not given for practical proficiency in painting, drawing, or designing, but for natural or acquired ability to appreciate artistic beauty. The prize, of about \$30 to be expended in books or reproductions, is awarded some time in April under regulations administered by the Professor of Esthetics.

The Hollingworth Honorarium for Research. An honorarium of \$50 for advanced work or research in pathology and bacteriology, established in 1911 by Dr. W. G. Hollingworth of Utica, is awarded to a senior in the Veterinary College on his general standing in the work of the first two years and his proficiency in the first courses in pathology and bacteriology.

The Early English Text Society Prizes. The Early English Text Society annually donates four of its publications to be awarded as prizes to the students who pass the best examination in Early English.

The Fuertes Memorial Prizes in Public Speaking were founded in 1912 by Charles H. Baker, a graduate of the College of Civil Engineering of the class of 1886. Three prizes, one of \$125, one of \$35, and one of \$20, are awarded annually to members of the junior and senior classes in the Colleges of Engineering and Architecture, for proficiency in public speaking.

The Graduate Prize in Philosophy, established in 1912, has an annual value of about \$25, and is open for competition to all students registered in the Graduate School. The prize will be awarded to the student who submits the best paper embodying the results of research in the field of philosophy.

The James Gordon Bennett Prize of \$50, founded in 1912, is offered for work done on local and general anesthesia. The prize is open to seniors in the Veterinary College.

The Jane Miller Prize of \$50, founded in 1912, is awarded to the student or students having the highest standing in the subject of veterinary physiology.

The George Chapman Caldwell Prize of \$50 was established in 1913 by Professor Frank Cary Caldwell and Mrs. Grace Caldwell Chamberlain as a memorial to their father. The prize accompanied by a certificate is to be awarded annually to a member of the senior class for general excellence in chemistry.

The Ring Memorial Prizes. The interest on the Ring Memorial fund, established in 1913 by bequest of Charles A. Ring of Newfane, New York, is devoted to prizes for horticultural research. A first prize of approximately \$30 and a second prize of approximately \$20 are awarded to undergraduates in the College of Agriculture who, in essays giving reviews of the literature on problems in floriculture, vegetable gardening, or pomology, show the greatest ability to evaluate scientific evidence.

The Stewart Prize for the production of clean milk is a prize of \$50 donated each year since 1913 by Mr. S. L. Stewart of Brookside Farms, Newburgh, N. Y.

The J. G. White Prizes in Spanish. Through the generosity of Mr. James Gilbert White (Ph.D., Cornell, '85), three prizes, established in 1914, each of the value of \$100, are offered annually to English speaking students for proficiency in Spanish and to Spanish speaking students for proficiency in English. These prizes are open only to undergraduate students.

The Student Medal of the American Institute of Architects has been awarded each year since 1915 to the member of the graduating class of the College of Architecture whose record is the best throughout the entire course, and the person to whom the medal is awarded is invited to exhibit his work at the next annual convention of the Institute.

The C. Lathrop Pack Prize, established in 1915, is a gift of \$500 the interest of which is to be used by the Faculty of the Department of Forestry "in the interests of forestry."

The Charles Lee Crandall Prizes of \$100 and \$25, were founded in 1916 by alumni of the College of Civil Engineering. The prizes are awarded annually for the best paper written by seniors or juniors in the College of Civil Engineering.

The Goethe Prize of \$50, donated each year since 1917 by Mr. Ludwig Vogelstein of New York City, is awarded for the best essay on Goethe.

The Alumni Prize for Scholarship. To encourage general excellence in scholarship, the Alumni Association of the College of Agriculture established in 1919 an annual prize of \$25 to be awarded to the member of the junior class showing the best record for the first three years. The award is to be made by the Faculty.

The William M. Polk Memorial Prizes in Gynecology. Two prizes in gynecology, a first prize of \$125 and a second prize of \$75, were founded in 1919 by Mrs. Polk in memory of Dean Polk.

The former Students Association of the College of Agriculture established in 1919 a prize of \$25 to be awarded at the close of the junior year to the student in the College of Agriculture who is of good moral character and who has maintained the best record and scholarship during his three years at the University. The award is to be made by the Faculty of the College of Agriculture.

FELLOWS AND GRADUATE SCHOLARS, 1919-1920

UNIVERSITY FELLOWS

The Cornell Fellowship in English:

Oliver Morley Ainsworth, B.S. (Cornell) 1915

The McGraw Fellowship in Civil Engineering:

Henry R. Lordly, C.E. (Cornell) 1893

The Sage Fellowship in Chemistry:

Major Edward Holmes, B.S. (Valparaiso) 1904, A.B. (Indiana) 1908, A.M. (Columbia) 1910

The Schuyler Fellowship in Entomology:

Kathryn Lillis Slingerland, B.A. (Smith) 1918, A.M. (Cornell) 1919

The Goldwin Smith Fellowship in Geology:

Katherine Van Winkle, B.S. (Washington) 1918

The President White Fellowship in Physics:

Austin Bailey, A.B. (Kansas) 1917

The Erastus Brooks Fellowship in Mathematics:

Yun Huang Ho, A.B. (Cornell) 1917

The University Fellowship in Architecture:

Arthur Edward Middlehurst, B.Arch. (Cornell) 1919

The University Fellowship in Romance Languages:

Leo Gershoy, A.B. (Cornell) 1919

The University Fellowship in German:

Gerhard Baerg, A.B. (Kansas) 1917, A.M. (Cornell) 1918

The University Fellowship in Agriculture:

Axel Ferdinand Gustafson, B.S., M.S. (Illinois) 1907, 1912

The President White Fellowship in Political and Social Science:

(Divided for 1919-1920 into two Graduate Scholarships. See Scholarships.)

The President White Fellowship in Modern History:

Barnet Nover, A.B. (Cornell) 1919

The Susan Linn Sage Fellowships in Philosophy:

Glen Raymond Morrow, A.B. (Westminster) 1916, A.M. (Missouri) 1918

Israel Chasman, B.A., M.A. (Texas) 1916, 1918

The Susan Linn Sage Fellowship in Psychology:

Alice Helen Sullivan, B.A., M.A. (Colorado) 1916

The Fellowships in Political Economy:

William Edward Zeuch, A.B. (Lenox) 1915, A.M. (Clark) 1915

The Fellowships in Greek and Latin:

Marion Elizabeth Blake, B.A. (Mount Holyoke) 1913, A.M. (Cornell) 1918

The Fellowship in American History:

Ernest Leopold Hettich, A.B. (Cornell) 1919

SPECIAL FELLOWS

The Susan Phelps Gage Fellowships in Physics:

Chi Ting Kwei, B.A. (Yale) 1917

Herbert Kahler, B.S. (Washington) 1918

The DuPont Fellowship in Chemistry:

Louise Kelley, A.B. (Mount Holyoke) 1916

GRADUATE SCHOLARS

The Susan Linn Sage Graduate Scholarships in Philosophy:

Gladys Katherine Bleiman, A.B., A.M. (Cornell) 1919

Stuart Meiklejohn, A.B. (Amherst) 1918

DeForest Fox, A.B. (Cornell) 1919

Henry Richey Smith, A.B. (Ohio Wesleyan) 1907

The Graduate Scholarship in Psychology:

Mabel Florence Martin, B.A. (Mount Holyoke) 1918

The Graduate Scholarship in Physics:

Lewis Richard Koller, A.B. (Cornell) 1917

The Graduate Scholarship in Latin and Greek:

Eunice Work, B.A. (Tarkio) 1917, A.M. (Cornell) 1919

The Graduate Scholarship in Archaeology and Comparative Philology:

Helen Margaret Connor, A.B. (Indiana State Normal) 1911, A.M. (Indiana) 1912

The Graduate Scholarship in Vertebrate Zoology including Anatomy and Histology and Embryology:

Louisa Edwina Keasbey, A.B. (Cornell) 1919

The Graduate Scholarship in English:

Henry Andrews Ladd, A.B. (Amherst) 1918

The Graduate Scholarship in Architecture:

Edward Julius Truthan, B.Arch. (Cornell) 1919

The Graduate Scholarship in Veterinary Medicine:

Herbert Lester Gilman, D.V.M. (Cornell) 1917

The Graduate Scholarships (1919-1920) in Political Economy:

Che Kwei Chen, A.B. (Cornell) 1918

Herbert Saphir, A.B. (Cornell) 1919

UNIVERSITY UNDERGRADUATE SCHOLARSHIPS

CLASS OF 1920

(Returned from national service)

The Horace Greeley Scholarship:
Frederick Reinhold Martin Undritz, Agriculture.

CLASS OF 1921

(Returned from national service)

The Cornell Scholarships:
Morris Kwit, Agriculture.
Theodore Lake Bennett, Arts and Sciences.

The Henry B. Lord Scholarships:
Frederick Henry Lape, Arts and Sciences (Chemistry).
Frank Harold Ellsworth, Arts and Sciences.

The Sage Scholarships:
Edwin Roy Shaver, Arts and Sciences (Chemistry).
Hermann Frederick Vieweg, Arts and Sciences (Chemistry).

The John Stanton Gould Scholarship:
Louis Tinkler, Arts and Sciences.

CLASS OF 1922

The Kenney Scholarships:
Laura Reichenthal, Arts and Sciences.
Paul Eugene O'Keefe, Law.

The Cornell Scholarships:
Robertta Winchell Quick, Arts and Sciences.
Mildred Margaret Bork, Arts and Sciences.

The President White Scholarships:
Helen Gladys Anthony, Arts and Sciences.
Jennie Kinsey, Arts and Sciences.

The Henry B. Lord Scholarships:
Donald Hand Starks, Arts and Sciences.
Edith Rosaline Britton, Arts and Sciences.

The McGraw Scholarships:
John Paul Pritchard, Arts and Sciences.
John James Elson, Arts and Sciences.

The Sage Scholarships:
Evelyn Gertrude Richmond, Arts and Sciences.
De Elbert Ernest Keenan, Arts and Sciences.

The Sibley Scholarships:
Irving Clark Ralph, Mechanical Engineering.

The Stewart L. Woodford Scholarships:
Edmund Francis Baxter, Arts and Sciences.

The John Stanton Gould Scholarships:
Dorothy Goldie Blumberg, Arts and Sciences.

The Horace Greeley Scholarships:
Charles Daniel Ludlum, Mechanical Engineering.

CLASS OF 1923

The Kenney Scholarships:
Gertrude Diamant, Arts and Sciences.
David Edward Brainard, Mechanical Engineering.

The Cornell Scholarships:
Stella Ruth Kaufman, Arts and Sciences.
Mary Alexander Ziegler, Arts and Sciences.

The President White Scholarships:
Madeline Margaret Hickey, Arts and Sciences.
Stephen Albert Emery, Arts and Sciences.

- The Henry B. Lord Scholarships:**
Grace Walroud West, Arts and Sciences.
Laura Loretta Geer, Arts and Sciences.
- The McGraw Scholarships:**
Cecilia Contin, Arts and Sciences and Law.
Matthew Corell Pugsley, Arts and Sciences.
- The Sage Scholarships:**
Gladys E. Wellar, Agriculture.
Violet Mabel Holloway, Arts and Sciences.
- The Sibley Scholarships:**
George Reeve Durland, Arts and Sciences.
Philip Carman Wakeley, Agriculture.
- The Stewart L. Woodford Scholarships:**
Alfreda Hill, Arts and Sciences.
Bertha Anna Marks, Arts and Sciences.
- The John Stanton Gould Scholarships:**
Ruby Wheaton, Arts and Sciences.
Sarah Fanny Simon, Arts and Sciences.
- The Horace Greeley Scholarships:**
Gemma Jackson, Arts and Sciences.
William Israelson, Arts and Sciences.

HOLDERS OF OTHER SCHOLARSHIPS

- The Boardman Senior Prize Scholarship:**
Benjamin Pepper
- The Buffalo Alumni Association Scholarship:**
Walter Joseph Lee
- The Fraser Senior Prize Scholarships:**
First: Oliver R. Clark
Second: Mary Honor Donlon
- The Eudorus C. Kenney Scholarships:**
Paul Eugene Keefe
Gertrude Diamant
David Edward Brainard
- The Padgham Scholarship:**
Dean H. Gallagher
- The Roberts Scholarships:**
Florence Gertrude Beck
Ralph Wesley Brundage
Vartan Garabedian
Hazel Marian Andrews
Elizabeth Terry Cooper
John Harrison Clark
William Bernard Donahue
Lewis Elmer Fitch
Ray Lester Hahn
Clara Nell Loveland
Leon Stanley Phelps
Trystram Cockey Stevens
- The State Grange Scholarships:**
George Herbert Allen
Harmon Delevan Stickles
Alton Fraser McIntyre
Harold Frederick Meaker
Clyde Bert York
- The Fred Lewis Wilson Scholarship:**
Herman Halperin
Kenneth Van Valkenburg

RESIDENTIAL HALLS

The University has five residential halls for men students. These are situated on the campus and furnish accommodations for about 420 men. For particulars, address the Treasurer of the University, Ithaca, N. Y.

The residential halls for women students are Sage College and Prudence Risley Hall. The University Adviser of Women has jurisdiction over all women students in the University and women students are not permitted to board or lodge outside the dormitories for women, except in houses approved by the Adviser.

SAGE CHAPEL AND BARNES HALL

Religious services, provided for by the Dean Sage Preachership Endowment, are conducted in Sage Chapel throughout the academic year by clergymen selected from the various religious denominations.

The Cornell University Christian Association is a voluntary organization of students and professors formed for their own religious culture and for the promotion of Christian living in the University. The Christian Association has its home in Barnes Hall, which contains a library of biblical literature and reading and recreation rooms. Bible study courses are carried on throughout the year. There is in addition to the Men's Christian Association, a Young Women's Christian Association, with quarters in Barnes Hall.

THE CORNELL INFIRMARY

The Cornell Infirmary is the former mansion of the late Henry Williams Sage, for many years chairman of the Board of Trustees of the University. At his death in 1897, his sons, Dean and William Henry Sage, endowed it and gave it to the University for a students' Infirmary, as a memorial to their father. In 1912 the annex to the Infirmary was erected with a capacity of sixty-two beds.

The Infirmary is in charge of a superintendent and is open throughout the University year. It provides suitable rooms, food, and nursing, for sick students. It has no medical staff; students select their own physicians among practitioners in Ithaca or elsewhere. For Infirmary fees see page 53.

PHYSICAL EXAMINATIONS AND MEDICAL ADVICE

Medical Advisers and Examiners: Haven Emerson, M.D.; James Stevenson Allen, M.D.; Frank C. Balderrey, M.D.; J. Ralph Harris, M.D.; Lawrence B. Chenowith, M.D.; Richard Kimpton, M.D.; Claude E. Case, M.D.; John A. Herring, M.D.; Margaret D. Baker, M.D.; Katherine Porter, M.D.

A physical examination is required of all students each semester. Students physically deficient at the time of the semester examination will be assigned by the Medical Advisers to the Department of Physical Training, for such corrective exercises as they may deem necessary.

The Medical Advisers observe regular office hours at their respective offices in the gymnasium for men and in Sage College.

In cases of illness or indisposition which involve absence from classes even for one day, students are expected to report immediately either in person, by telephone, or by messenger to the Medical Advisers' office. For the convenience of the Medical Advisers such illness should be reported early in the day. Students who are indisposed but still able to attend classes should consult the Medical Advisers immediately in order that advice may be given and diagnosis of incipient diseases may be made promptly. Any student failing to report as soon as possible to the Medical Advisers any contagious or infectious disease will be regarded as guilty of a serious breach of discipline. No excuses on account of illness will be accepted by the various colleges and departments of the University unless issued by the Medical Advisers. Excuses will not be given by the Medical Advisers' Office where no notification at the beginning of a sickness has been given.

Students who leave the city to consult out-of-town physicians must first arrange for a leave of absence. Letters of out-of-town physicians certifying to the illness of students should be accompanied by letters from the parents or guardian.

No charge is made for the services of the Medical Advisers.

A student may at any time be requested to withdraw from the University if, in the opinion of the University authorities, the condition of his health is such as to make it unwise for him to remain.

DEPARTMENT OF HYGIENE AND PREVENTIVE MEDICINE

All first and second year students of all the colleges are required to attend lectures on Hygiene and Preventive Medicine given once a week throughout the college year. Reading is assigned and a written examination is required.

MILITARY SCIENCE AND TACTICS

Every male student who is a candidate for a baccalaureate degree, except in the College of Law, and is required to take five, six, seven, eight or more terms in residence, must take, in addition to the scholastic requirements for the degree, one, two, three, or four terms, respectively, of three hours a week, in the Department of Military Science and Tactics.

The requirements in Military Science must be completed in the first terms of residence, otherwise the student will not be permitted to register again in the University, without the consent of the University Faculty.

The aim of the Department is to give training which will enable the graduates to serve as officers of any forces raised by the United States. The students are organized into an Infantry Regiment of twelve regular companies, one headquarters company, one machine gun company, and a band, and a Battalion of Field Artillery of three batteries.

This course includes physical training, military drill, and the application of fundamental principles of modern tactics. During the second year qualified men may elect the Field Artillery or Machine Gun training. The band is both the cadet and university band. Students regularly enrolled in the Department may be assigned thereto for training, instead of to a company. A student electing drill in his junior and senior years and taking two hours a week additional theoretical instruction is paid commutation of subsistence of forty cents a day by the United States, provided he agrees to attend a summer camp of six weeks.

Any qualified member of the Cornell University Reserve Officers Training Corps who has satisfactorily passed the first year of his university course, may, on the recommendation of the Commandant, and the nomination of the President of the University, be commissioned as an officer by the University Faculty. The University provides pay, ranging from \$50 to \$250 annually, for each of the seventy-two commissioned officers of the Reserve Officers Training Corps. In addition, the twenty-four senior officers are assistants in the Department.

Any student may elect drill during his entire course at the University and upon graduation is eligible for appointment as 2d Lieutenant in the Reserve Corps.

Each cadet is furnished a complete uniform by the United States which must be returned at the end of the college year.

DEPARTMENT OF PHYSICAL TRAINING.

Students who are officially relieved of the requirements of Military Science and Tactics are subject to the requirements of the Department of Physical Training.

Every male student who is a candidate for a baccalaureate degree, and is required to take five, six, seven, eight, or more terms in residence, must take, in addition to the scholastic requirements for the degree, one, two, three, or four terms respectively, of three hours a week, in the Department of Physical Training in case he is relieved of the requirements of the Department of Military Training. The requirement may be extended at the discretion of the Medical Adviser.

Every woman student who is a candidate for a baccalaureate degree and is required to take five, six, seven, eight, or more terms in residence, must take, in addition to the scholastic requirements, one, two, three, or four terms respectively, of three hours a week, in the Department of Physical Training. The requirement may be extended at the discretion of the Medical Adviser.

All students including graduates are required to present themselves to the Medical Adviser and receive a thorough confidential physical examination at least twice a year throughout their college course. Freshmen and sophomores may be required in exceptional cases of physical defect to substitute for military drill corrective physical exercises in the Department of Physical Training, as prescribed by the Medical Adviser. Juniors and seniors are relieved of all required physical exercises provided their periodical medical examinations show that they have kept themselves in satisfactory physical condition. Otherwise they may be required to take or continue corrective physical exercises.

It is the aim of the University to encourage participation in athletics on the part of all students rather than on the part of a few, as it is believed that in well regulated athletics is found, for the great majority of college men, the best solution of the problems of rational and effectual training. Permission is therefore given to the student, under certain limitations, to satisfy the requirement in Physical Training by taking such forms of exercise as he may choose, provided he is found, upon examination, to be physically sound. He may try for an athletic team, take scheduled walks in the country, or indulge his tastes in other outdoor forms of recreation, such as tennis, golf, etc.

ATHLETICS

An athletic league exists among the various colleges of the University and a series of athletic contests is carried on throughout the year. All students in the University except the Varsity athletes may participate in these. The games consist of cross-country running, association football, basketball, indoor athletics, baseball, track athletics, and rowing.

The playground and Schoellkopf athletic field cover fifty-five acres. They are within five minutes walk of the Quadrangle and are used as a general playground for baseball, soccer, lacrosse, tennis, etc.

The Armory and the Gymnasium are used for indoor athletic work during the winter months. The Intercollege boat house, situated on the Inlet, is used in the spring by the Intercollege crews. Women students have their separate gymnasium, boat house, athletic field, etc.

All students who desire to train for athletic competitions are required to be examined by one of the medical examiners.

The University Faculty through its Committee on Student Affairs exercises jurisdiction over organized athletic teams and other recognized student organizations in respect of eligibility, rules, and leave of absence.

ATHLETIC ASSOCIATION

The Cornell Athletic Association is an independent organization incorporated under the laws of the State of New York. Its board of trustees is composed of one representative from the Board of Trustees of Cornell University, and four from the faculties of the University, with one member at large, who together with representatives of the alumni and eight students representing officially the different branches of athletics, besides the representation of the undergraduate wearers of the "C," the representatives of the Minor Athletic Sports Association, and the freshman representative constitute the Athletic Council. The Association owns Percy Field, the boats and boat houses, two gasoline launches, and other athletic equipment. The Association issues an annual membership ticket on the payment of \$10. The holders of these membership tickets are entitled to admission to every local athletic contest under the management of the Association, including all games of baseball, football, and track. Members

are also entitled to first choice of reserved seats, and no reserved seat tickets for games or boat races are sold until the members of the Association have been supplied with the seats they require. No further subscription toward the support of athletics is solicited from holders of membership tickets. The Athletic Council is charged with the active management of the athletic interests of the University. The graduate manager is custodian of the funds belonging to the Association and to the various branches.

The Athletic Association has under its jurisdiction the part of Alumni Field set aside for 'varsity athletics, consisting of about twelve acres. That part of Alumni Field which is devoted to 'varsity track athletics and football, is known as "Schoellkopf Field" and was equipped by members of the Schoellkopf family as a memorial to Jacob F. Schoellkopf; it contains a quarter-mile track, the football gridiron, and a stadium seating 9000 people, above which are two levels in which automobiles are parked.

Schoellkopf Memorial Building on Schoellkopf Field was erected by an alumnus of the University as a memorial to his friend, Henry Schoellkopf, A.B., '02. In this building are the dressing rooms for the 'varsity athletic teams and the offices of the Cornell University Athletic Association. Bacon Practice Hall, also adjacent to Schoellkopf Field, contains a dirt floor and is used for baseball, track, football, soccer and lacrosse practice.

Percy Field, an athletic field, covering ten acres, is used for baseball only. It is hoped that funds may be raised in the near future to finish the part of Alumni Field adjacent to Schoellkopf Field, which has been set aside for the baseball diamond, and stands to seat 6500 people.

The Athletic Association also has a boat house, shells, gigs, launches, etc., to use in the training of the 'varsity crews, situated on the Inlet about one-half mile from Cayuga Lake.

Officers

Herman Diederichs	President
Charles Hazen Blood	Financial Adviser

Members

Charles Hazen Blood	Board of Trustees
Charles Edward Treman	At large
David Fletcher Hoy	Faculty
Eugene Plumb Andrews	Faculty
Willard Winfield Rowlee	Faculty
Lt. Col. Frank A. Barton	Faculty
J. M. Watt	"C" Representative
Robert Siering	Navy Manager
G. Knight	Crew Representative
John C. Atwood, jr.	Baseball Manager
H. P. Murphy	Baseball Captain
Halstead Miller Maccabe	Football Manager
F. T. Shiverick	Football Captain
H. R. Ashton	Track Manager
T. C. McDermott	Track Captain
D. E. Leith	Minor "Sports" Representative
Alger Eugene Hunkin	Freshman Representative

BENEFICIARY AND LOAN FUNDS

The following beneficiary and loan funds have been established, the income of which is available for the aid of deserving students in Cornell University. The amounts indicated are the totals of the respective funds on July 1, 1919.

Guiteau Student Loan Fund. Gifts under the wills of Frederick W. Guiteau and of Mrs. Nancy G. Howe (\$94,689.03), the income to be used in advancing and assisting needful, worthy young men in pursuing their studies in the University. Established 1904. \$339,418.99

Agricultural Students Loan Fund. Founded by gift of the School of Practical Agriculture and Horticulture at Briarcliff, N. Y., to aid students in the Agricultural College who are working their way through, and increased by Agricultural students. Established 1908. \$775.00

Florence Dearstyne Fund. Gift under the will of Miss Florence E. Dearstyne, the income to be used under the direction of the Federation of Cornell Women's Clubs in assisting needy young women students. Established 1914. . . \$2,367.71

Polish Student Loan Fund. Gift from Polish students at Cornell to be disbursed to candidates presented by members of the Polish Club of the University. Established 1909. \$128.00

William C. Seidell Book Fund. Gift of Mr. and Mrs. Gerritt S. Miller, the income to be used to purchase books for poor young men working their way through the College of Civil Engineering. Established 1905. \$1,165.16

State Scholarship Alumni Fund. The nucleus of a fund to assist needy students. Established in 1914 by the gift of G. W. Graves, A.B., 1905, M.D., 1908, of the equivalent of the state scholarship held by him. . . . \$401.00

Women's Guild Fund. The gift of women interested in the University, the income to be used to aid needy sick students. Established 1892. . . \$6,557.41

Women Students' Loan Fund. Consists of former Students Loan Fund, the income to be loaned to needy women students, and increased in 1913 by \$7,000, temporarily assigned to the fund by the late President Andrew D. White from funds placed at his disposal by Trustee Andrew Carnegie. \$26,709.63

Wurts Loan Fund. Gift of \$2,000 by Alexander Jay Wurts, in memory of his mother, the income to be loaned to students of Sibley College, to "help lift the man's burden from the boy's shoulders." Additions by Sibley students. Established 1912. \$2,267.74

Edwin G. Vail Fund. Gift under the will of Edwin G. Vail of Dutchess County the income to be expended in the aid of needy students from Dutchess County who may in the annual examination therefor succeed in winning a State Tuition Scholarship in the University. \$10,000.00

John Knickerbocker Fund. Gift of John Knickerbocker, 1887, to provide financial aid to students in Cornell University who lack means for adequate support; who have good minds, healthy and strong bodies, good moral character, sound moral opinions and beliefs; who are earnest and persevering workers; and who come from parents born in the United States and known to be or to have been good citizens. \$25,000.00

PUBLICATIONS

Cornell University. Agricultural Experiment Station. Memoirs. No. 1-29. 1913-1919.

The Memoirs consist of the more technical bulletins of the Federal Experiment Station at Cornell University.

Cornell University. Library.

Catalogue of the historical library of Andrew Dickson White. Parts 1-2.

Catalogue of the Dante collection presented by Willard Fiske.

Catalogue of the Petrarch collection bequeathed by Willard Fiske.

Catalogue of the Icelandic collection bequeathed by Willard Fiske.

Catalogue of Runic literature, forming a part of the Icelandic collection bequeathed by Willard Fiske.

Cornell University medical bulletin. v. 1-8. 1911-1919.

Cornell University. Medical College. Publications. 1901-1919.

The Bulletin and Publications contain studies from the various departments of the Medical College.

Cornell University. Official publication. v. I-II. 1910-1920.

Issued monthly from July through November, and semi-monthly from December through June. It includes the annual Register, the Annual Report of the President, the announcements of the various colleges, the General Circular of Information, and various departmental and other announcements. The Secretary of the University is the University Publisher.

Cornell studies in classical philology. v. I-20. 1887-1917.

This series is edited by Charles E. Bennett, Goldwin Smith Professor of Latin and George P. Bristol, Professor of Greek.

Cornell studies in English. No. 1-5. 1916-1920.

This series is edited by Professors Joseph Q. Adams, jr., Clark S. Northup, and Martin W. Sampson.

Cornell studies in philosophy. v. I-II. 1900-1919.

This series of monographs is issued under the editorial supervision of the professors of philosophy in the Sage School of Philosophy.

Islandica. v. I-12. 1908-1919.

An annual relating to Iceland and to the Fiske Icelandic collection in the Cornell University Library.

Journal of physical chemistry. v. I-24. 1896-1920.

Published monthly during the academic year by Wilder D. Bancroft, Professor of Physical Chemistry.

Philosophical review. v. I-29. 1892-1920.

A bi-monthly journal edited by James E. Creighton, Professor of Logic and Metaphysics in the Sage School of Philosophy.

SUMMER TERM, 1919

Classes in Cornell University were reorganized and the University began what was virtually a new academic year on Monday, December 30, 1918, for the particular benefit of students who were returning to civil life after service in the Army or Navy.

There was a summer term of instruction at Cornell in the summer of 1919 to enable students to obtain credit for a full year of college work between January 1 and September 1, 1919.

The Students' Army Training Corps was demobilized and the men were discharged from service on December 21, 1918. A large number of these men resumed at Cornell the courses which they left in October for one or another of the Students' Army Training Corps programs. Some of these men had been regular students here before they were inducted into the Army or the Navy; others of them came here in the fall as new students and began on December 30 the studies of the freshman year. So many of them had been unable, from the first of October, to make substantial progress in work leading to a degree, that the University offered an opportunity of beginning anew on December 30 and of accomplishing a full year of regular college work by means of a summer term held in 1919.

That opportunity was offered also to former students or prospective students who had been in training camps or in active service.

ASSOCIATE ALUMNI

By the charter of the University the graduates are entitled to elect two members of the Board of Trustees each year. At a meeting called for the purpose and held on Wednesday, June 26, 1872, the day preceding the annual Commencement, representatives of all the classes graduated being present, the alumni formed an organization under the name of the Associate Alumni of Cornell University. The declared object of the association was to promote in every proper way the interests of the University and to foster among the graduates a sentiment of regard for each other and of attachment to their Alma Mater. On May 19, 1903, the Association was incorporated under the general laws of the State of New York.

By an amendment to the charter of the University, passed May 15, 1883, permitting members of the alumni, not present in person, to vote by written ballot at the annual election of trustees, the Treasurer of the University is required to keep "a registry of the signature and address of each alumnus." It is therefore important that each alumnus keep the Treasurer of the University informed of his full address (city, street, and number), and notify him immediately of any change.

The following ordinance was adopted by the Board of Trustees, October 24, 1888. "All graduates of the first degree, in any of the departments of Cornell University, and all persons who have been admitted to any degree higher than the first in said University, shall be alumni of said University, and, as such, be entitled to vote for alumni trustees under and in pursuance of the provisions contained in chapter 763 of the Laws of New York, passed in 1867."

Officers

President	E. N. Sanderson, '87	60 Broadway, New York City
First Vice-President	Mrs. G. D. Crofts, '05	65 Livingston St., Buffalo
Second Vice-President	J. P. Dods, '08	900 South Michigan Avenue, Chicago
Treasurer	W. W. Macon, '98	239 West Thirty-ninth St., New York City
Alumni Recorder	Woodford Patterson, '95	Morrill Hall, Ithaca
Secretary	R. W. Sailor, '07	The Cornell Alumni News, Ithaca

Directors

J. L. Tiernon, jr., '95	619 White Building, Buffalo
W. R. Webster, jr., '90	208 Brooklawn Avenue, Bridgeport, Conn.
N. J. Weldgen, '05	911 Wilder Building, Rochester, N. Y.
J. P. Dods, '08	910 South Michigan Avenue, Chicago, Ill.
E. N. Sanderson, '87	60 Broadway, New York City
Miss Kate Gleason, '88	The Gleason Works, Rochester, N. Y.
William Metcalf, jr., '01	410 Oliver Building, Pittsburgh, Pa.
C. L. Bradley, '08	706 Marion Building, Cleveland, Ohio
E. T. Foote, '06	Cutler-Hammer Mfg. Co., Boston, Mass.
J. P. Harris, '01	Citizens Savings and Trust Company, Cleveland, Ohio
N. H. Noyes, '06	Eli Lilly & Co., Indianapolis, Ind.
Romeyn Berry, '04	C. U. A. A., Ithaca

Joseph N. Pew, jr., '08
 R. W. Sailor, '06
 W. W. Macon, '98
 J. A. Pollak, '07
 Erskine Wilder, '05

Bryn Mawr, Pa.
 The Cornell Alumni News, Ithaca
 The Iron Age, New York City
 Pollak Steel Co., Cincinnati, Ohio
 1038 Crosby St., Chicago, Ill.

Directors ex officio

E. L. Stevens, '99 President Cornellian Council
 Tribune Building, New York City
 Woodford Patterson, '95 Alumni Recorder Morrill Hall, Ithaca
 Mrs. G. D. Crofts, '05 Vice-president of the Associate Alumni
 293 Highland Ave., Buffalo
 H. N. Ogden, '89 President of the Association of Class Secretaries Ithaca

A LIST OF CORNELL ALUMNI CLUBS

Before the war there were approximately eighty alumni clubs, all more or less active. A score of these have dropped out of existence, to be revived, for the most part, after conditions have returned to normal and absent members have re-entered civil life.

A list of clubs that are known to have become inactive since 1916 follows:

Albion, N. Y.	North Carolina (Raleigh)
Brooklyn, N. Y.	No. New York (Watertown)
Central, Pa. (Harrisburg)	Oswego Co., N. Y. (Oswego)
Chicago Women	Pacific Northwest (Tacoma)
Connecticut (Fairfield)	Pittsburgh Women
Denver	Seneca Falls
Dutchess Co. N. Y. (Poughkeepsie)	So. California (Los Angeles)
Kansas City	Springfield, Mass.
Louisiana (New Orleans)	Texas (Houston)
Luzerne Co., Pa. (Wilkes-Barre)	Troy Women
New Haven	Wheeling

The following list covers a few clubs not known to be active, but which may have held some form of meeting. No notice of suspension of activity has been received.

GENERAL ORGANIZATIONS

The Associate Alumni	R. W. Sailor	Cornell Alumni News, Ithaca
The Cornell Association of Class Secretaries	R. W. Kellogg	Ithaca
The Cornellian Council	Harold Flack	Morrill Hall, Ithaca
The Federation of Cornell Women's Clubs	Clara Howard	Morrill Hall, Ithaca
The Cornell Bureau, American University Union		8 Rue de Richelieu, Paris

ALUMNI ASSOCIATIONS

New England

New England Creed W. Fulton 58 Pearl St., Boston, Mass.

New York

Binghamton A. L. Gilmore 1004 Press Building
 The Cornell Society of Civil Engineers Secretary, C. R. Harding
 Southern Pacific Co., 165 Broadway, New York City
 The Cornell Lawyers' Association John T. McGovern
 141 Broadway, New York City

Eastern New York	C. R. Vanneman	555 Providence St., Albany
Herkimer County	F. D. McIntosh	Little Falls
Ithaca	George S. Tarbell	110 North Tioga St.
Jamestown	Albert S. Price	406 Fenton Building
Mt. Vernon	A. H. White	115 Crary Ave.
New York City	Foster M. Coffin	30 West 44th St.
Niagara Falls	F. L. Lovelace	730 Main St.
Northern New York	H. J. Kimball	225 Massey Ave., Watertown
Ossining	Judge Milton C. Palmer	Ossining
Otsego County	E. G. Rathbun	Oneonta
Rochester	George C. Wright	The Court House
Schenectady	J. J. Matson	Consulting Eng. Dept., General Electric Co.
Southern Tier	Frederick B. Gridley	412 East Second St., Elmira, N. Y.
Steuben County	James McCall	Bath
Syracuse	Frederick E. Norton	Syracuse Chamber of Commerce
Utica	Charles B. Mason	30 Genesee St.
Western New York	F. L. Brown	932 White Building, Buffalo

Eastern States

Delaware	Alexander Laird	Odd Fellows Building, Wilmington
Maryland	L. M. Brooks	261 Robert St., Baltimore
Northeastern Pennsylvania	Seth W. Shoemaker	827 Electric St., Scranton
Northern New Jersey	Donald B. Munsick	596 Prospect St., Maplewood, N. J.
Perth Amboy, N. J.	M. M. McHose	L. H. McHose, Inc.
Philadelphia	James Monroe	Link-Belt Company
Washington	G. Ervin Kent	808 17th St., N. W.

Middle West

Akron	R. U. Carr	307 Watson St.
Ames	J. A. Wilkinson	Iowa State College
Central Ohio	W. J. Armstrong	in care of Jeffrey Mfg. Co., Columbus
Chicago	George M. Chapman	200 N. Jefferson St.
Cleveland	Dr. I. J. Kerr	1015 Guardian Building
Dayton	Barton Myers	Travelers Ins. Co., 412 Savings and Trust Bldg.
Duluth	A. T. Banning, jr.	1009 Alworth Building
Indiana	Russel J. Ryan	425 Hampton Court, Indianapolis
Kansas City, Mo.	H. Laub, jr.	611 American Bank Building
Kentucky	Adolph Reutlinger	123 South Third St., Louisville
Logan	E. G. Peterson	Logan, Utah
Michigan	K. P. Royce	1249 Congress St., East, Detroit
Milwaukee	L. R. Vautrot	Cutler-Hammer Mfg. Co.
Minneapolis	F. H. Perl	405 New York Life Building
Omaha	George B. Thummel	Omaha National Bank Bldg.
Southern Ohio	Otto Hilmer	3205 West 8th St., Cincinnati
Spokane	E. V. Price	care H. C. Whitehouse, Hutton Building
St. Louis	Harry Nugent	5847 Maple Ave.
St. Paul	J. J. Canfield	Twin City Rapid Transit Co.
Toledo	W. C. Acklin	1645 Dorr St.

Utah	W. M. McCrea	460 Utah Savings & Trust Bldg., Salt Lake City
Western Pennsylvania	A. N. Slocum	Westinghouse Building, Pittsburgh
Wichita, Kansas	Hal M. Black	Wichita Club

Pacific Coast

Northern California	Hays Matson	454 California St., San Francisco
Portland	H. P. Henry	Yeon Building
Seattle	L. M. Arnold	Seaboard National Bank Building

Foreign and Insular

Eastern Canada	William H. Wardwell	413 New Birks Building, Montreal
Hawaii	Vaughan MacCaughey	2404 Oahu Avenue, Honolulu, Hawaii
The Philippine Islands	Abraham Gideon	City Hall, Manila
North China	Y. S. Djang	Tientsin, China

Cornell Women's Clubs

Albany	Miss Fannie Hartman	New York State Museum
Bay Cities of California	Mrs. E. A. Weymouth	5527 McMillan Ave., Oakland
Boston	Mrs. H. M. Varrell	102 Avon Hill St., Cambridge
Buffalo	Miss Katharine I. Roese	3223 Main St.
Cleveland	Miss Lucille Marshall	11311 Bellflower Road
Ithaca	Miss Rebecca Harris	126 Kelvin Place
Mohawk Valley	Miss F. C. Seely	602 North James St., Rome, N. Y.
New York	Miss Mabel E. Rose	950 Marcy Avenue, Brooklyn
Philadelphia	Miss Olive Long	William Penn High School
Pittsburgh	Miss Ethel H. McBride	172 Center Ave., Ensworth, Pa.
Rochester	Miss Frances West	89 Meigs St.
Washington	Mrs. A. C. Wilkins	404 The Cecil
Worcester	Mrs. H. B. Smith	20 Trowbridge Road

Committee on Nominations

Dr. I. J. Kerr, '91, Chairman	Cleveland
W. J. Norton, '02	501 Fifth Ave., New York City
H. A. Rogers, '03	127 West Mt. Airy Ave., Mt. Airy, Pa.
E. T. Foote, '06	Room 601, 77 Franklin St., Boston
R. O. Walter, '01	Auburndale, Mass.
D. R. Cotton, '05	Pioneer Building, St. Paul
F. M. Coffin, '12	30 W. 44th St., New York City
H. D. North, '07	2152 Scranton Road, Cleveland
R. D. Edwards, '15	W. A. Burpee & Co., Philadelphia

THE CORNELLIAN COUNCIL

OFFICERS

President	Edward L. Stevens, '99	154 Nassau St., New York City
Vice-President	Walter P. Cooke, '91	Marine Bank Building, Buffalo
Secretary	Harold Flack, '12	27 Morrill Hall, Ithaca
Assistant Secretary	Clara Howard, '14	27 Morrill Hall, Ithaca
Alumni Recorder	Woodford Patterson, '95	31 Morrill Hall, Ithaca

The Cornellian Council was founded several years ago by the Alumni of Cornell University for the definite purpose of cultivating and stimulating among Cornell Alumni the habit of giving to the University. It was founded at a time when the University was greatly in need of additional income for operating expenses, for salaries of professors and instructors, for the building of dormitories, and for various other purposes.

The founders had in mind the idea of doing away with indiscriminate solicitation of the Alumni for various University purposes and of having all appeals for the University's needs made by one organization vested with authority. The wisdom of this plan is now acknowledged by the Faculty and Trustees as well as by the Alumni. In this way small gifts to the University are made valuable by reason of their large number and solidarity of purpose, and at the same time an interest is created which can be created in no other way.

The larger part of the gifts of the Alumni to the Alumni Fund are unrestricted and are available for appropriation by the Trustees where most needed. Gifts to the University through the Alumni Fund may, however, be specifically designated for a special purpose and when this is done are used for that purpose only.

The membership of the Cornellian Council, with which is intrusted the promotion and collection of the Alumni Fund, is made up of one representative from each of the last forty classes and twenty members at large elected by the Council, thus making it a truly representative Alumni body. Payments of all subscriptions to the Alumni Fund are made by checks payable to "Cornell University." These checks are turned over to the Treasurer of the University as soon as received by the Secretary of the Council. From time to time sums are appropriated by the Trustees for the most vital needs of the University.

In the brief existence of the Cornellian Council, more than 7500 Cornellians have contributed to the Alumni Fund. The larger part of the donation has been used to provide increases in the salaries of professors and teachers, some of whom would otherwise have been lost to the University, and toward the cost of construction of Founders Hall. These represent two of the University's greatest needs. A part of the fund has also been used for University operating expenses.

HONORARY MEMBERS

Frederic Schoff, '71	26th and Callowhill Sts., Philadelphia
Edwin Gillette, '73	Ithaca
Charles S. Harmon, '75	1205 First National Bank Building, Chicago
Jeremiah K. Cady, '76	172 Washington St., Chicago

Merritt E. Haviland, '77	32 Nassau St., New York City
Mrs. Bessie DeW. Beahan, '78	2213 Bellfield Ave., Cleveland, Ohio
Calvin Tomkins, '79	30 Church St., New York City
Hosea Webster, '80	85 Liberty St., New York City

CLASS REPRESENTATIVES

1881	Ira A. Place	Grand Central Terminal, New York City
1882	Dr. Herbert D. Schenck	75 Halsey St., Brooklyn
1883	Ebenezer T. Turner	Ithaca
1884	Henry J. Patten	220 Western Union Building, Chicago
1885	Robert J. Eidlitz	30 East 42d St., New York City
1886	Elias A. deLima	Battery Park National Bank, New York City
1887	Edwin N. Sanderson	60 Broadway, New York City
1888	Albert E. Metzger	1508 Broadway, Indianapolis
1889	Leon Stern	1017 Chamber of Commerce Building, Rochester
1890	J. DuPratt White	14 Wall St., New York City
1891	Clarence A. Snider	17 Battery Pl., New York City
1892	Robert T. Mickle	Stephen Girard Building, Philadelphia
1893	E. Vail Stebbins	42 Broadway, New York City
1894	Edwin P. Young	Towanda, Pa.
1895	Roger H. Williams	National Bank of Commerce, 31 Nassau St., N. Y. C.
1896	William W. Ricker	90 West St., New York City
1897	James K. Fraser	95 Madison Ave., New York City
1898	Ernest M. Bull	10 Bridge St., New York City
1899	Edward L. Stevens	154 Nassau St., New York City
1900	Arthur P. Bryant	50 Congress St., Boston
1901	John Lawson Senior	246 Wildwood Ave., Jackson, Mich.
1902	Maurice Winery	7 Laight St., New York City
1903	Raymond P. Morse	Jay and Water Sts., Brooklyn
1904	Harland B. Tibbetts	37 Wall St., New York City
1905	Erschine Wilder	226 W. Lake St., Chicago
1906	Roger S. Vail	110 S. Dearborn St., Chicago
1907	Julian A. Pollak	The Pollak Steel Co., Cincinnati
1908	William G. Mennen	42 Orange St., Newark, N. J.
1909	Lewis Henry	Elmira
1910	Russell B. Hurlburt	24 Niles St., Hartford
1911	Edwin E. Sheridan	1151 Roscoe St., Chicago
1912	K. W. Yass	1624 Oliver Bldg., Pittsburgh
1913	W. A. Bridgeman	Owego
1914	Thomas B. Crews	Washington Hotel, St. Louis
1915	Thomas Francis Keating, jr.	11 East 87 St., New York City
1916	Weyland Pfeiffer	850 7 Ave., New York City
1917	Donald B. Vail	47 Brattle St., Cambridge
1918	Henry W. Roden	107 Edgemoor Lane, Ithaca
1919	Alpheus W. Smith	15 East Ave., Ithaca
1920	Hosea Cushman Ballou	141 Marvin Ave., Akron, Ohio

MEMBERS AT LARGE

Mrs. A. B. Comstock, '85	Roberts Place, Ithaca
George B. Kittinger, '85	659 Colman Block, Seattle
Walter P. Cooke, '91	1330 Marine Bank Bldg., Buffalo
George W. Bacon, '92	115 Broadway, New York City
Randall J. Le Boeuf, '92	Albany Trust Building, Albany
Edward S. Sanderson, '94	115 Buckingham St., Waterbury, Conn.
Alfred R. Horr, '95	120 Broadway, New York City
Francis O. Affeld, jr., '97	141 Broadway, New York City
Daniel A. Reed, '98	House of Representatives, Washington
Clarence M. Oddie, '99	Mills Building, San Francisco
Walter C. Teagle, '00	Standard Oil Co., 26 Broadway, New York City
Kelton E. White, '00	303 N. 4th St., St. Louis
Edward R. Alexander, '01	825 Garfield Building, Cleveland
George D. Crofts, '01	Third National Bank Building, Buffalo
William Metcalf, jr., '01	1410 H. W. Oliver Building, Pittsburgh
Ezra B. Whitman, '01	American Building, Baltimore
Clarence F. Hirshfeld, '05	David Whitney Building, Detroit
Thomas Fleming, jr., '05	Union Bank Building, Pittsburgh

EX OFFICIO MEMBERS

E. N. Sanderson, '87	60 Broadway, New York City
H. N. Ogden, '89	Ithaca
Woodford Patterson, '95	31 Morrill Hall, Ithaca

CORNELL ASSOCIATION OF CLASS SECRETARIES

OFFICERS FOR 1919-1920

President	Henry N. Ogden, '89	Ithaca
Vice-President	Dr. Luzerne Coville, '86	Ithaca
Treasurer	Henry H. Wing, '81	Ithaca
Secretary	R. W. Kellogg, '12	Ithaca

CLASS SECRETARIES

1869	Morris Lyon Buchwalter	3345 Reading St., Cincinnati, Ohio
1870	Charles Albert Storke	McKay Building, Santa Barbara, Cal.
1871	Robert Goodloe Harper Speed	911 E. State St., Ithaca
1872	Henry LeRoy Stewart	508 E. Buffalo St., Ithaca
1873	Edwin Gillette	304 N. Geneva St., Ithaca
1874	John Henry Comstock	123 Roberts Place, Ithaca
1875	Henry Woodward Sackett	Tribune Building, New York City
1876	Daniel Franklin Flannery	1200 Westminster Bldg., Chicago, Ill.
1877	William Ogden Kerr	111 Oak Ave., Ithaca
1878	Willard Beahan	2213 Bellefield Ave., Cleveland, Ohio
1879	Calvin Tomkins	30 Church St., New York City
1880	Addison Delavan Merry	706 Dillaye Memorial Bldg., Syracuse
1881	Henry Hiram Wing	3 Reservoir Ave., Ithaca
1882	Herbert Schenck	75 Halsey St., Brooklyn
1883	Herbert Charles Elmer	Cornell Heights, Ithaca
1884	Henry Pelouse de Forest	59 West 54 St., New York City
1885	Edward Herman Bostwick	Willard Way, Ithaca
1886	Luzerne Coville	514 East Buffalo St., Ithaca
1887	Veranus Alva Moore	914 E. State St., Ithaca
1888	Willard Winfield Rowlee	11 East Ave., Ithaca
1889	Henry Neely Ogden	614 University Ave., Ithaca
1890	Charles James Miller, died December 5, 1918	
1891	Willard Austen	Cornell University Library, Ithaca
1892	Charles Dibble Bostwick	803 E. Seneca St., Ithaca
1893	Clark Sutherland Northup	407 Elmwood Ave., Ithaca
1894	Elmer Ellsworth Bogart	1125 Boston Road, The Bronx, N. Y. C.
1895	William Fitch Atkinson	44 Court St., Brooklyn
1896	George Solomon Tompkins	P. O. Bcx 343, Albany
1896	Mrs. C. S. Northup (for women)	407 Elmwood Ave., Ithaca
1897	George Nieman Lauman	College of Agriculture, Ithaca
1898	Jesse Fuller, jr.	504 Hancock St., Brooklyn
1899	Charles Crawford Whinery	care R. R. Donnelly & Sons Co. 731 Plymouth Court, Chicago, Ill.
1900	George Harper Young	162 President's Lane, Quincy, Mass.
1900	Mrs. M. H. Kingsbury (for women)	2 South Ave., Ithaca
1901	Arthur Sherwood	52 Vanderbilt Ave., New York City
1902	William John Norton	Perryman, Md.

1902	Mrs. Ruth Bentley Shreve (for women)	Hastings-on-Hudson
1903	Raymond Parmlee Morse	1 Carleton Ave., Brooklyn
1904	Cecil Jarvis Swan	816 S. Michigan Ave., Chicago, Ill.
1904	Mrs. Edward Schuster (for women)	100 E. 17th St., New York City
1905	Harold Jay Richardson	131 Dayan St., Lowville
1906	Ralph H. Wheeler	Acting Secretary, Agricultural College, Ithaca
1906	Margaret L. Stecher (for women)	357 Charles St., Boston, Mass.
1907	Antonio Lazo	120 Broadway, New York City
1908	Seth Whitney Shoemaker	827 Electric St., Scranton, Pa.
1909	Robert Elias Treman	Cayuga Heights Road, Ithaca
1909	Mrs. R. W. Sailor (for women)	117 Oak Ave., Ithaca
1910	Andrew Joseph Whinery	203 Glenwood Ave., E. Orange, N. J.
1910	Miss Olive Whitson (for women)	443 W. 28th St., New York City
1911	James Edward Oliver Winslow	65 Park Ave., New York City
1911	Miss Clara Vivian Braymer (for women)	Temple Place, Granville
1912	Ross William Kellogg	109 N. Tioga St., Ithaca
1912	Miss Nina Smith (for women)	81 Columbia Heights, Brooklyn
1913	George Helm Rockwell	748 Main St., Cambridge, Mass.
1913	Miss Sophie M. Becker (for women)	502 N. Calhoun St., Baltimore, Md.
1914	Heber Wallace Peters	36 Claremont Ave., New York City
1914	Mrs. Howard S. Teall (for women)	Sodus
1915	Robert Whitman White	30 W. 44th St., New York City
1915	Mrs. Sarah B. Roper (for women)	2400 Sixteenth St., Washington, D. C.
1916	Weyland Pfeiffer	65 W. 45 St., New York City
1916	Mrs. A. J. Mix (for women)	1133 Kentucky St., Lawrence, Kansas
1917	Donald Bain Vail	141 Heights Road, Ridgewood, N. J.
1918	Henry W. Roden	620 W. 115th St., New York City
	MED. COLL.—William Henry Cantle	Mamaroneck
	Mrs. Edward Schuster (for women)	100 E. 17th St., N. Y. C.
1919	Charles G. Seelback	804 Jefferson St., Buffalo

HONORARY MEMBERS

President Jacob Gould Schurman, Ithaca
 Registrar David Fletcher Hoy, '91, Ithaca
 Woodford Patterson, '95, Ithaca
 Edward L. Stevens, '99, President Cornellian Council
 Edwin N. Sanderson, '87, President Associate Alumni
 Charles E. Treman, '89, Ithaca
 R. W. Sailor, '07, Ithaca

CLASS MEMORIALS

CLASS OF 1872	Seventy-two Elm Trees bordering President's Avenue and northern half of East Avenue.
CLASS OF 1873	Drinking Fountain in front of McGraw Hall.
CLASS OF 1878	The Class Pipe.
CLASS OF 1879	Bronze Tablet containing bust of Bayard Taylor in Sage Chapel.
CLASS OF 1883	Portrait of Professor William Dexter Wilson, D.D., LL.D., in the University Library.

- CLASS OF 1884 Portrait of Professor Charles Chauncey Shackford, A.M., in the University Library.
- CLASS OF 1885 Statue of Augustus Caesar in the Museum of Casts.
- CLASS OF 1886 The '86 Memorial Prize in Junior Oratory.
- CLASS OF 1890 Cornell Boat House.
- CLASS OF 1891 The '91 Memorial Fund subject to class action.
- CLASS OF 1892 The Witherbee Memorial Club House at Percy Field.
- CLASS OF 1893 The Interscholastic League Prizes in Athletics.
- CLASS OF 1894 The '94 Memorial Prize in Debate.
- CLASS OF 1895 The Henley Shell.
- CLASS OF 1896 Gift toward the establishment of a University Club.
- CLASS OF 1897 Gift toward the establishment of a University Club.
- CLASS OF 1898 Gift toward the establishment of a University Club.
- CLASS OF 1898 (College of Law) Carved oak seat in Boardman Hall.
- CLASS OF 1899 Gift toward the establishment of an Alumni Hall.
- CLASS OF 1900 Gift toward the establishment of an Alumni Hall.
- CLASS OF 1901 Gift toward the establishment of an Alumni Hall.
- CLASS OF 1902 Gift toward the establishment of an Athletic Field.
- CLASS OF 1903 Gift toward the establishment of an Athletic Field.
- CLASS OF 1903 (College of Law) Portraits of Justice Rufus W. Peckham and Joseph H. Choate.
- CLASS OF 1904 Gift toward an Endowment Fund.
- CLASS OF 1904 (College of Law) Portraits of James C. Carter and Elihu Root.
- CLASS OF 1905 Gift toward the establishment of an Alumni Hall.
- CLASS OF 1905 (College of Law) Portraits of Abraham Lincoln and Thomas M. Cooley.
- CLASS OF 1906 Gift toward an Endowment Fund.
- CLASS OF 1906 (College of Law) Portrait of Justice Joseph W. Story.
- CLASS OF 1907 Gift toward an Endowment Fund.
- CLASS OF 1907 (College of Law) Portrait of Governor Charles E. Hughes.
- CLASS OF 1908 Gate for Alumni Field.
- CLASS OF 1908 (College of Law) Oak seat in Boardman Hall.
- CLASS OF 1909 Contribution to the Alumni Fund.
- CLASS OF 1910 Contribution for a Memorial on Alumni Field.
- CLASS OF 1910 (College of Law) Portrait of James Barr Ames.
- CLASS OF 1911 Contribution to the Alumni Fund.
- CLASS OF 1911 (College of Law) Portrait of Chief Justice White.
- CLASS OF 1912 Contribution to the Alumni Fund.
- CLASS OF 1912 (College of Law) Portrait of Professor William Albert Finch.
- CLASS OF 1913 Contribution to the Alumni Fund.
- CLASS OF 1914 Contribution to the Alumni Fund.
- CLASS OF 1915 Contribution to the Alumni Fund.
- CLASS OF 1916 Contribution to the Alumni Fund.
- CLASS OF 1917 Contribution to the Alumni Fund.
- CLASS OF 1918 Contribution to the Alumni Fund.
- CLASS OF 1919 Contribution to the Alumni Fund.
- CLASS OF 1920 Contribution to the Alumni Fund.

CORNELL UNIVERSITY SUMMER SESSION, 1919, INCLUDING THE SUMMER TERM OF THE COLLEGE OF ARTS AND SCIENCES

OFFICERS

Jacob Gould Schurman, LL.D., President of the University.
David Fletcher Hoy, M.S., Registrar of the University.

ADMINISTRATIVE BOARD OF THE SUMMER SESSION

James Edwin Creighton, Ph.D., Dean of the Graduate School.
Frank Thilly, Ph.D., Dean of the College of Arts and Sciences.
Dexter Simpson Kimball, M.E., Representing the Professional Colleges.

EXECUTIVE COMMITTEE

Robert Morris Ogden, Ph.D., Chairman.
Benton Sullivan Monroe, Ph.D., Secretary.

*STAFF OF INSTRUCTION

Joseph Quincy Adams, jr., Ph.D., Assistant Professor of English	English
Arthur A. Allen, Ph.D., Assistant Professor of Ornithology.	Ornithology
Charles Ethan Allen, B.A., Instructor in Histology and Anatomy, Albany Medical College.	Physical Education
Eugene Plumb Andrews, A.B., Assistant Professor of Archaeology.	Greek and Archaeology
William C. Ballard, jr., Assistant Professor of Electrical Engineering.	Music
Leila Bartholomew, Teacher of Music, Grammar Schools, Ithaca.	Music
Harold Arthur Bedient, A.B., Assistant in Chemistry.	Chemistry
Charles Clarence Bidwell, Ph.D., Assistant Professor of Physics.	Physics
Carl William Bock, Ph.D., Instructor in Psychology.	Psychology
Albert William Boesche, Ph.D., Professor of German.	German
George Henry Brandes, Ph.D., Assistant in Chemistry.	Chemistry
Robert Braun, Director, Braun School of Music.	Music
Julian Pleasant Bretz, Ph.D., Professor of American History.	History
Thomas Roland Briggs, Ph.D., Assistant Professor of Chemistry.	Chemistry
Leslie Nathan Broughton, Ph.D., Assistant Professor of English.	English
Arthur Wesley Browne, Ph.D., Professor of Chemistry.	Chemistry
Laura Bryant, Supervisor of Music, Ithaca Public Schools.	Music
Murray Wright Bundy, M.A., Instructor in English.	English
Clayton Joseph Buttery, A.B., Instructor in French, Haverford School for Boys.	French
Bruce A. Carey, Conductor Elgar Choir, Hamilton, Canada.	Music
Walter Buckingham Carver, Ph.D., Assistant Professor of Mathematics.	Mathematics
Emile Monnin Chamot, Ph.D., Professor of Chemistry.	Chemistry
Jacob Roland Collins, B.S., Instructor in Physics.	Physics
Myron Wesley Colony, B.Chem., Assistant in Chemistry.	Chemistry
Ralph Thomas Kline Cornwell, B.Chem., Assistant in Chemistry.	Chemistry
Frank H. Cowles, Ph.D., Professor of Latin, Wabash College.	Latin
Clyde Firman Craig, A.B., Assistant Professor of Mathematics.	Mathematics
James Edwin Creighton, LL.D., Professor of Philosophy.	Philosophy
Hollis Dann, Mus.D., Professor of Music.	Music
Herbert Joseph Davenport, Ph.D., Professor of Economics.	Economics
Marcelle Delattre, Teacher of French, Washington, D. C.	French
Alexander M. Drummond, A.M., Assistant Professor of Public Speaking.	Public Speaking
Charles Love Durham, Ph.D., Professor of Latin.	Latin

*The names of the instructors in the College of Agriculture are given on page 220.

Ellsworth David Elston, B.A., Instructor in Physical Geography.	Physical Geography
Donald English, M.B.A., Professor of Economics.	Economics
John Edward Foglesong, Ph.D., Instructor in Chemistry.	Chemistry
William Silliman Foster, Ph.D., Assistant Professor of Education.	Education
Dean La Fever Gamble, B.S., Instructor in Zoology.	Zoology
Jean Marius Gélas, Instructor in U. S. Military Academy, West Point.	Physical Training
Raymond Garfield Gettell, A.M., Professor of Political Science, Amherst College.	Government and Social Science
Roswell Clifton Gibbs, Ph.D., Professor of Physics.	Physics
David Clinton Gillespie, Ph.D., Assistant Professor of Mathematics.	Mathematics
Frank Alexander Griffin, Assistant in Chemistry.	Chemistry
J. Earl Griffith, Head of Department of Drawing and Art, Central High School, Newark, N. J.	Drawing and Art
George Livingston Hamilton, Ph.D., Professor of Romance Languages and Literatures.	Italian
William Alexander Hammond, Ph.D., Sage Professor of Ancient Philosophy and of Aesthetics.	Philosophy
Archie Bernhard Hoel, B.A., Assistant in Chemistry.	Chemistry
William H. Hoerrner, Professor of Music, Colgate University.	Music
Louis Benjamin Hoisington, B.A., Instructor in Education.	Education
Harley Earle Howe, Ph.D., Assistant Professor of Physics.	Physics
Jesse W. Hubbard, A.M., Head of Department of Geography, Massachusetts State Normal School.	Geography
Everett Lee Hunt, A.B., Assistant Professor of Public Speaking.	Public Speaking
Helen Allen Hunt, Teacher of Music, Boston, Mass.	Music
Wallie Abraham Hurwitz, Ph.D., Assistant Professor of Mathematics.	Mathematics
John Irwin Hutchinson, Ph.D., Professor of Mathematics.	Mathematics
Stuart Deming Jackson, A.B., Instructor in Chemistry.	Chemistry
Fernand D. A. F. Jagu, Licencié en droit, Instructor in the Romance Languages.	French
Arthur Edward Johnstone, Teacher of Music, New York City.	Music
Ralph Hayward Keniston, Ph.D., Assistant Professor of Romance Languages and Literatures.	Spanish
Ernest R. Kroeger, Teacher of Music, St. Louis, Mo.	Music
Claude W. Leister, Assistant in Ornithology.	Zoology
Earl Albert Louder, B.S., Assistant in Chemistry.	Chemistry
Clinton P. McCord, M.D., Instructor in Hygiene, Albany Medical College.	Physical Education
Asa Emanuel McKinney, Assistant in Chemistry.	Chemistry
Mercedes Manosalva, Scholar of the Chilean Government, Winthrop College.	Spanish
James Frederick Mason, Ph.D., Professor of Romance Languages.	French
David Earl Mattern, B.A., Teacher of Music, Ithaca Public Schools.	Music
Ernest George Merritt, M.E., Professor of Physics.	Physics
Pierre Mertz, A.B., Instructor in Physics.	Physics
Benton S. Monroe, Ph.D., Assistant Professor of English.	English
Guy Brooks Muchmore, B.A., Assistant Professor of Public Speaking.	Public Speaking
Carleton Chase Murdock, A.M., Instructor in Physics.	Physics
Melvin Nicholas, B.Chem., Instructor in Chemistry.	Chemistry
Clark Sutherland Northup, Ph.D., Assistant Professor of English.	English
Robert M. Ogden, Ph.D., Professor of Education.	Education
William Ridgely Orndorff, Ph.D., Professor of Chemistry.	Chemistry
Frances Ottley.	Music
Frederick William Owens, Ph.D., Assistant Professor of Mathematics.	Mathematics
Helen Brewster Owens, Ph.D., Instructor in Mathematics.	Mathematics
Paul Russel Pope, Ph.D., Professor of German.	German
James T. Quarles, A. A. G. O., University Organist and Assistant Professor of Music.	Music
Hugh Daniel Reed, Ph.D., Assistant Professor of Zoology.	Zoology
Harold Lyle Reed, Ph.D., Assistant Professor of Economics.	Economics
Arthur John Rider, M.S., Instructor in Chemistry.	Chemistry
Heinrich Ries, Ph.D., Professor of Geology.	Geography and Geology
Guillermo Rivera, M.A., Instructor in Spanish, Harvard University.	Spanish
Louis A. Roux, B.A., Teacher of French, Newark Academy.	French
Burton T. Scales, M.A., Director of Music, Girard College.	Music
Nathaniel Schmidt, A.M., Professor of Semitic Languages and Literatures.	History

Bernadotte Everly Schmitt, M.A. (Oxon.), Ph.D., Associate Professor of History, Western Reserve University.	History
Albert Ray Shadle, M.S., Assistant Professor of Zoology.	Zoology
Lewis Piaget Shanks, Ph.D., Assistant Professor of French, University of Wisconsin.	French
Francis Robert Sharpe, Ph.D., Assistant Professor of Mathematics.	Mathematics
Hubert Sheppard, A.M., Instructor in Psychology.	Psychology
Luis N. Sherwell, Teacher of Spanish, Stuyvesant High School, New York City.	Spanish
Sutherland Simpson, D.Sc., M.D., Professor of Physiology.	Physiology
Virgil Snyder, Ph.D., Professor of Mathematics.	Mathematics
William Strunk, jr., Ph.D., Professor of English.	English
Cony Sturgis, B.A., Assistant Professor of Romance Languages.	Spanish
Alfred Henry Sweet, Ph.D., Acting Assistant Professor of English History.	History
Frank Thilly, Ph.D., Professor of Philosophy.	Philosophy
Edward Bradford Titchener, Ph.D., Professor of Psychology.	Psychology
Abbott Payson Usher, Ph.D., Assistant Professor of Economics.	Economics
Georges Alphonse Louis Vattier, Bachelier és lettres, Licencié és lettres, Diplômé d'études supérieures, Professeur of French at the Royal Military College, Kingston.	French
Oscar Diedrich von Engel, Ph.D., Assistant Professor of Physical Geography.	Geography and Geology
Harry Porter Weld, Ph.D., Assistant Professor of Psychology.	Psychology
Bernice White, Instructor in Music, Hunter College, New York City.	Music
Cornelia Williams, Principal, South Hill School, Ithaca.	Music
E. Jane Wisenall, Teacher of Music in High Schools, Cincinnati, Ohio.	Music
Mary Evalena Wright, B.S., Assistant in Chemistry.	Chemistry
Ralph W. G. Wyckoff, B.S., Instructor in Chemistry.	Chemistry
Mabel Ford Yeomans, A.B., Instructor in Public Speaking, Grinnell College	Public Speaking

There are no academic requirements for admission to the Summer Session except in the case of the College of Agriculture.

Teachers, supervisors, superintendents, extension workers, and others concerned with activities of an educational nature are admitted to Summer Session courses in the College of Agriculture regardless of previous academic preparation; others are admitted only on the submission of evidence of having satisfactorily completed at least two years of work in Cornell University or some other institution of equal standing.

Each student in the Summer Session must satisfy the instructor in charge of a course (unless it is elementary) that he is qualified to undertake the work of the course.

Credit toward an undergraduate degree may be obtained by students regularly registered in one of the colleges of Cornell University. For credit toward the degree A.B., see page 83; for credit toward other undergraduate degrees, see the announcements of the respective courses in the Summer Session.

Students of the Summer Session who are not matriculated in the University may receive certificates of attendance and of work satisfactorily performed.

For the conditions under which graduate work may be pursued during the Summer Session, see page 57.

The tuition for the Summer Session is \$30. A registration fee of \$5 is charged each student who registers for the first time in the Summer Session. Tuition is free to students from New York State if all their work is in subjects taught in the College of Agriculture; if any of their work is outside of the College of Agriculture, they must pay the regular tuition fee of \$30.

The residential halls, the libraries, and the infirmary are open during the Summer Session.

COURSES OF INSTRUCTION

GREEK AND GREEK ART

- S 1. **First Year Greek.** Credit, four hours. Assistant Professor ANDREWS.
- S 2. **History of Greek Art.** Credit two hours. Assistant Professor ANDREWS.

LATIN

- S 1. **Fourth Year Latin, Virgil.** Credit, four hours. Entrance credit, one unit. Professor COWLES.
- S 2. **Latin Composition, and Teaching of it in the High School.** Professor COWLES.
- S 3. **Latin Language and Latin Syntax.** Professor DURHAM.
- S 4. **Catullus.** Professor DURHAM.

GERMAN

- S 1. **First Year German.** Credit, four hours. Entrance credit, one unit. Professor POPE.
- S 2. **Second Year German.** Credit, four hours. Entrance credit, one unit (second unit). Prerequisite, one year of high school German, or its equivalent. Professor POPE.
Students will meet with First Year German class for work in grammar review and oral training. Reports on texts read outside of class will be presented at hours to be assigned.
- S 3. **Third Year German.** Credit, four hours. Entrance credit, one unit (third unit). Prerequisite, two years of high school German, or its equivalent. Professor BOESCHE.
- S 4. **Advanced Composition and Conversation.** Credit, two hours. Professor BOESCHE.
- S 5. **Life and Works of Goethe.** Credit, two hours. Professor POPE.

FRENCH

- S 1. **Elementary Course.** Credit, four hours. Entrance credit, one unit. Mr. ROUX.
- S 2. **Intermediate Course.** Credit, four hours. Entrance credit, one unit. Mr. JAGU.
- S 3. **Advanced Course.** Credit, four hours. Assistant Professor SHANKS.
- S 4. **Advanced Translation.** Credit, two hours. Mr. BUTTERY.
- S 5. **Elementary Composition and Conversation.** Credit, two hours. Assistant Professor SHANKS.
- S 6. **History of French Literature.** Credit, two hours. Professor VATTIER.
- S 9. **Literature of the Nineteenth Century.** Credit, two hours. Professor MASON.
- S 14. **Advanced Composition and Conversation.** Credit, two hours. Professor VATTIER.
- S 16. **French Phonetics.** Credit, two hours. Professor MASON.
- S 17. **Contemporary French Novel.** Credit, two hours. Professor VATTIER.
- S 18. **Explications de Textes.** Credit, two hours. Mr. JAGU.
- S 26. **Old French Texts.** Credit, two hours. Professor HAMILTON.
- S 30. **The Teaching of French.** Credit, two hours. Mr. ROUX.
- French Readings.** Mlle. Delattre will give readings in French daily except Saturday.
- French Lectures.** A series of lectures in French dealing with French national life will be given in French by the members of the instructing staff Wednesday evenings.
- La Maison Française.** The Sill Cottage on the Campus has been reserved for students of French. Abundant opportunity for conversation in French will be afforded. Mlle. Delattre will be in charge of la Maison Française and also of a special table in Sage College where French only will be spoken.

ITALIAN

- S 1. **Grammar, Composition, and Translation.** Credit, four hours. Professor HAMILTON.
- S 2. **Introduction to Italian Literature.** Credit, one hour. Professor HAMILTON.

SPANISH

- S 1. **Elementary Course.** Credit, four hours. Entrance credit, one unit. Assistant Professor STURGIS.
- S 2. **Intermediate Course.** Credit, four hours. Entrance credit, one unit. Mr. SHERWELL.
- S 3. **Advanced Course.** Credit, four hours. Entrance credit, one unit. Mr. RIVERA.
- S 5. **Elementary Composition and Conversation.** Credit, two hours. Mr. SHERWELL.

S 7. **Advanced Composition and Conversation.** Credit, two hours. Mr. RIVERA.

S 10. **Masterpieces of Spanish Literature.** Credit, two hours. Assistant Professor KENISTON.

S 30. **The Teaching of Spanish.** Credit, two hours. Assistant Professor KENISTON.

Spanish Lectures and Readings. A series of lectures and readings in Spanish by members of the instructing staff will be given during the session.

La Casa Española. A section in Prudence Risley Hall has been reserved for students of Spanish, and there will be a special table at which Spanish only is spoken. The group will be in charge of Señorita Manosalva and there will be ample opportunity for Spanish conversation.

ENGLISH

Courses in brackets are not given in the summer of 1919, but may be expected in the summer of 1920.

S 1. **Composition.** Credit, two hours. Mr. BUNDY.

S 2. **Introductory Course in Literature.** Credit, two hours. Mr. BUNDY.

S 4. **Advanced Composition.** Credit, two hours. Professor STRUNK.

S 5. **Teachers' Course.** Credit, two hours. Assistant Professor NORTHUP.

[S 6. **Nineteenth Century Poetry.** Credit, two hours.]

S 7. **Nineteenth Century Poetry.** Credit, two hours. Assistant Professor BROUGHTON.

[S 8. **Nineteenth Century Prose.** Credit, two hours.]

S 9. **The English Drama.** Credit, two hours. Assistant Professor ADAMS.

S 10. **Shakespeare.** Credit, two hours. Assistant Professor ADAMS.

S 11. **American Literature.** Credit, two hours. Assistant Professor BROUGHTON.

S 12. **Victorian Literature.** Credit, two hours. Assistant Professor NORTHUP.

This course does not cover the ground of course S 2.

[S 13. **The English Novel.** Credit, two hours. This course may serviceably supplement course S 12.]

S 14. **Modern Drama.** Credit, two hours. Professor STRUNK.

[S 15. **Dramatic Structure.** Credit, two hours.]

S 16. **The English Language.** Credit, two hours. Assistant Professor MONROE.

[S 17. **Recent English Poetry.** Credit, two hours.]

S 18. **Old English.** Credit, two hours. Assistant Professor MONROE.

Problems and Methods in Research. For graduates only. Assistant Professor ADAMS.

Middle English Literature. For graduates only. Assistant Professor NORTHUP.

Wordsworth. For graduates only. Professor STRUNK.

PUBLIC SPEAKING—ORAL ENGLISH

S 1a. **Public Speaking.** Credit, two hours. Assistant Professor DRUMMOND.

S 1b. **Public Speaking.** Credit, two hours. Assistant Professor HUNT. A continuation of course 1a.

S 2. **Voice Training.** Credit, one hour. Assistant Professor MUCHMORE.

S 3. **Oral English in the High School.** Credit, two hours. Assistant Professor HUNT and Miss YEOMANS.

S 4. **Oral Reading.** Credit, two hours. Assistant Professor MUCHMORE and Miss YEOMANS.

S 5. **The Production of School Plays.** Credit, two hours. Consent of instructor necessary for admission. Assistant Professor DRUMMOND and Miss YEOMANS.

PHILOSOPHY

S 1. **Logic.** Professor CREIGHTON.

S 2. **History and Philosophy of the Fine Arts.** Professor HAMMOND.

S 3. **Individual and Social Ethics.** Professor THILLY.

S 4. **Greek Philosophy.** Professor HAMMOND.

S 5. **The Development of Modern Philosophical Thought.** Professor THILLY.

S 6. **The Development of Contemporary Philosophical Problems.** Professor CREIGHTON.

PSYCHOLOGY

S 1. **Psychology.** Credit, two hours. Professor TITCHENER, Assistant Professor WELD, Dr. BOCK and Mr. SHEPPARD.

S 2. **Problems and Points of View in Psychology.** Credit, two hours. Assistant Professor WELD.

S 4. **Qualitative Laboratory.** Credit, two hours. Assistant Professor WELD, Dr. BOCK and Mr. SHEPPARD.

S 5. **Quantitative Laboratory.** Credit, two hours. Assistant Professor WELD, Dr. BOCK and Mr. SHEPPARD.

S 6. **Advanced Work in Psychology.** Hours and credit to be arranged. Assistant Professor WELD, Dr. BOCK and Mr. SHEPPARD.

Prerequisite, course S 4, or its equivalent.

Professor TRITCHENER will be in residence for the eight weeks from June 30 to August 22, to direct the work of candidates for the degree of Ph.D. in Psychology.

EDUCATION

S 1. **Educational Psychology.** Credit, two hours. Assistant Professor FOSTER.

S 2. **Principles of Education.** Credit, two hours. Professor OGDEN.

S 3. **History of Education.** Credit, two hours. Mr. HOISINGTON.

S 7. **Mental Tests.** Credit, two hours. Assistant Professor FOSTER and Mr. HOISINGTON.

S 8. **Advanced Work in Education.** Hours and credit to be arranged. Professor OGDEN, Assistant Professor FOSTER and Mr. HOISINGTON.

Prerequisite, course S 2, S 3, or S 7, or an equivalent.

TRAINING COURSE FOR PSYCHOLOGICAL EXAMINERS

By recent legislative enactment of the State of New York, special classes for defective children must be formed whenever ten or more such cases are found in any school district. A similar law is operative in New Jersey, and like requirements are being made in other states. Not only is there a considerable consequent demand for teachers trained in the examination and instruction of defectives, but with the increasing recognition of the extent and importance of individual differences in endowment, there is increasing recognition of the usefulness of familiarity with the methods and interpretation of psychological examinations not only for the mentally backward and subnormal but also for the normal and supernormal, and in other fields than that of education.

To assist in meeting these various needs, the departments of Education and Psychology call special attention to courses in Introductory, Experimental, and Educational Psychology, and to the course in Mental Tests. The latter has been expanded to give a thorough training in administration of tests and evaluation of results. Students who wish to enter this course with a view to educational and other field service, are advised to register for such additional courses in Psychology as may be helpful in providing an adequate understanding of psychological principles and methods of investigation. Advice in the selection of courses with regard to the individual needs of the student may be had by consulting Professor R. M. Ogden, Goldwin Smith Hall 246, either in person or by letter.

HISTORY

S 1. **Greek and Roman History.** Professor NATHANIEL SCHMIDT.

S 2. **Oriental History.** Professor NATHANIEL SCHMIDT.

S 3. **Modern European History.** Credit, two hours. Professor B. E. SCHMITT.

S 4. **Historical Background of the War of 1914.** Credit, two hours. Professor B. E. SCHMITT.

S 5. **English History to 1485.** Credit, two hours. Assistant Professor SWEET.

S 6. **English History since 1815.** Credit, two hours. Assistant Professor SWEET.

S 7. **American History, 1815-1850.** Credit, two hours. Professor BRETZ.

S 8. **American History, 1865-1914.** Credit, two hours. Professor BRETZ.

[American History, 1850-1875.] Not given in 1919.

American History. Seminary.

GOVERNMENT AND SOCIAL SCIENCE

S 1. **American Government.** Credit, two hours. Professor GETTELL.

S 2. **Social and Political Institutions.** Credit, two hours. Professor GETTELL.

ECONOMICS

S 1. **Principles of Economics.** Credit, four hours. Professor DAVENPORT.

S 2. **Money and Credit.** Credit, two hours. Assistant Professor REED.

S 3. **Theory and History of Banking.** Credit, two hours. Assistant Professor REED.

S 4. **Corporation Finance.** Credit, two hours. Assistant Professor REED.

S 5. **Elements of Accounting.** Credit, two hours. Professor ENGLISH.

S 6. **Principles of Accounting.** Credit, two hours. Professor ENGLISH.

S 7. **General Problems of Industrial History.** Credit, two hours. Assistant Professor USHER.

Prerequisite, course S 1, previously or concurrently. May also be taken by students who have had courses in English history.

For undergraduates and graduates.

S 8. Social Problems in England in the Nineteenth Century. Credit, two hours. Assistant Professor USHER.

Prerequisite, course S 1, previously or concurrently, or courses in English history.

MATHEMATICS

In addition to the courses noted below, each teacher will have a daily office hour for consultation with students. It is urged that this opportunity be utilized by all concerned.

In the following list, courses S 1 to S 5 (2) are the equivalent of those having the same number in the Announcement of the College of Arts and Sciences for 1918-1919.

Courses S 1, S 2, and S 3 are planned for those teachers in the secondary schools who wish to review these subjects. They are equivalent to the advanced entrance requirements of Cornell University and of the College Entrance Examination Board. They presuppose a ready knowledge of elementary algebra (through quadratic equations) and of plane geometry.

S 1. Solid Geometry. Credit, three hours. Professor SNYDER.

S 2. Advanced Algebra. Credit, three hours. Assistant Professors GILLESPIE and CARVER.

S 3. Trigonometry. Credit, three hours. Assistant Professor CARVER.

Students taking S 5 (1) or S 5 (2) are requested to take no other University work during the session without special permission.

S 5 (1). Analytic Geometry and the Calculus. First term. Credit, six hours. Professor HUTCHINSON.

S 5 (2). Analytic Geometry and the Calculus. Second term. Credit, six hours. Assistant Professor HURWITZ.

S 6. Advanced Geometry. Credit, two hours. Professor SNYDER.

S 7. Advanced Calculus. Credit, two hours. Assistant Professor GILLESPIE.

S 41 (c). Differential Equations. Credit, two hours. Dr. H. B. OWENS.

S 42 (c). Advanced Calculus. Credit, two hours. Assistant Professor OWENS.

For students of the eight weeks' term in the Technical Colleges.

S 5 (c). Integral Calculus. Credit, five hours. Assistant Professors SHARPE, CRAIG, and OWENS.

Students of the Summer Session who enroll for the eight weeks' course must pay a supplemental tuition fee of \$5.

S 80. Topics in Mathematical Physics. Credit, three hours. Assistant Professor HURWITZ. Prerequisite, Mathematics 42, or its equivalent.

PHYSICS

S 2b. Introductory Experimental Physics. Credit, three hours. Professor GIBBS, Assistant Professor HOWE and Mr. COLLINS.

S 2c. Problems. This course is identical with 2c given during the past spring quarter and is exclusively for students in engineering. Three hours a week.

S 4b. General Physics. Credit, two hours. Professor GIBBS.

S 9. General Physics. Prerequisite, Physics 2 or its equivalent and the differential and integral calculus. Credit, two hours. Assistant Professor BIDWELL.

S 10. Physical Experiments. Credit, one of two hours. Assistant Professor HOWE and Mr. COLLINS.

S 12. Physical Measurements. Credit, one to four hours. Prerequisite, the equivalent of eight hours of college physics (unless Physics S 9 be taken simultaneously) and a knowledge of the elements of the calculus. Assistant Professor BIDWELL and Mr. MERTZ.

S 14. Physical Measurements. Assistant Professor BIDWELL and Mr. MERTZ.

S 17. Teachers' Course. Credit, one hour. Professor GIBBS and Assistant Professor HOWE.

[S 20a. Heat.] Not given in 1919.

[S 20b. Heat.] Not given in 1919.

[S 21a. Light.] Not given in 1919.

S 21b. Light. Mr. MURDOCK.

S 22a. Electricity and Magnetism. Mr. MURDOCK.

[S 22b. Electricity and Magnetism.] Not given in 1919.

[S 23a. Properties of Matter.] Not given in 1919.

[S 23b. Properties of Matter.] Not given in 1919.

S 25. Advanced Laboratory Practice. This course is open to students who have had Physics 12 or its equivalent. Credit varies with the amount of work done. Mr. MURDOCK.

S 34. Electrical Laboratory. Credit varies with amount of work done. Prerequisite, course 12, or its equivalent. Mr. MERTZ.

S 40. Modern Developments in Physics. Professor MERRITT.

[S 46. Theoretical Physics.] Not given in 1919.

S 51. Theoretical Physics. Professor MERRITT.

[S 52. **Theoretical Physics.**] Not given in 1919.

S 75. **Special Topics for Investigation.**

For further information regarding opportunities for research and investigation during the Summer of 1919 see special pamphlet of the Graduate School.

CHEMISTRY

S 1. **Introductory Inorganic Chemistry.**

- a. Professor BROWNE and Mr. GRIFFIN.
- b. Laboratory. Dr. FOGLESONG and Mr. COLONY.
- c. Dr. FOGLESONG.

Credit for a, b, and c, six hours.

S 6. **Elementary Qualitative and Quantitative Analysis.** This course is divided into two parts, either of which may be taken without the other. Credit, two, three, or five hours.

A. Qualitative Analysis. Credit, three hours. Mr. RIDER and Mr. LOUDER.

An elementary course for those who have had the equivalent of course S 1.

B. Quantitative Analysis. Credit, two hours. Mr. RIDER and Mr. LOUDER.

Advanced work (see course S 14) may be taken by students who complete this course before the close of the session.

S 7. **Qualitative Analysis.** Credit, one to six hours. Mr. RIDER and Mr. LOUDER.

S 12. **Quantitative Analysis.** Credit, four, five, or six hours. Mr. NICHOLS and Mr. BRANDES.

S 14. **Quantitative Analysis, Advanced Course.** Credit, one, two, three, or four hours. Mr. NICHOLS and Mr. BRANDES.

S 16. **Electrochemical Analysis.** Credit, one hour. Mr. NICHOLS and Mr. BRANDES.

S 19. **Qualitative and Quantitative Gas Analysis.** Credit, two hours. Mr. WYCKOFF.

S 20. **Technical Gas Analysis.** Open to those who have taken or are taking course S 19. Credit, two hours. Mr. WYCKOFF and Mr. ———.

S 24. **Opticochemical Methods.** Credit, three hours. Mr. WYCKOFF and Mr. ———.

S 25. **Opticochemical Methods.** Credit, one or more hours. Mr. WYCKOFF.

S 30. **Organic Chemistry.**

A. Credit, four to six hours. Professor ORNDORFF, Mr. JACKSON and Mr. CORNWELL.

B. Credit, four to six hours. Mr. JACKSON and Mr. BEDIENT.

B. Credit, four hours. Mr. JACKSON and Mr. BEDIENT.

S 31. **Organic Chemistry.**

A. Credit, three hours. Professor ORNDORFF and Mr. CORNWELL.

B. Credit, three hours. Mr. JACKSON and Mr. BEDIENT.

S 32. **Organic Chemistry, Shorter Course.** Credit, four hours. Professor ORNDORFF, Mr. JACKSON and Messrs. CORNWELL and BEDIENT.

S 33. **Special Chapters in Organic Chemistry.** Credit, one or two hours. Professor ORNDORFF and Mr. CORNWELL.

S 34. **Advanced Organic Chemistry.** Credit, two or more hours. Professor ORNDORFF, Mr. JACKSON and Mr. CORNWELL.

S 37. **Methods of Organic Analysis.** Credit, two or more hours. Professor ORNDORFF, Mr. JACKSON and Mr. BEDIENT.

S 48. **Selected Topics in Advanced Inorganic Chemistry.** Credit, one hour. Professor BROWNE.

S 50. **Introductory Physical Chemistry.**

A. Credit, three hours. Assistant Professor BRIGGS and Messrs. HOEL and MCKINNEY.

[B. Credit, three hours.] Not given in 1919.

B. Credit, three hours. Assistant Professor BRIGGS and Messrs. HOEL and MCKINNEY.

S 51. **Physical Chemistry Laboratory.** A. Credit, three hours. Assistant Professor BRIGGS and Messrs. HOEL and MCKINNEY. Open only to those who have taken or are taking Course 50 A, or its equivalent

[B. Credit, three hours. Assistant Professor BRIGGS and Mr. ———. Open to those only who have taken or are taking Course 50 B, or its equivalent.] Not given in 1919.

B' Credit, three hours. Assistant Professor BRIGGS and Messrs. HOEL and MCKINNEY. This course is a continuation of Course 51 B.

S 54. **Colloid Chemistry.** Credit, two hours. Assistant Professor BRIGGS and Messrs. HOEL and MCKINNEY.

S 57. **Laboratory Practice in Physical Chemistry.** Credit, one to three hours. Assistant Professor BRIGGS and Messrs. HOEL and MCKINNEY.

S 65. **Chemical Microscopy, Elementary.** Credit, two hours. Professor CHAMOT and Miss WRIGHT.

S 66. **Chemical Microscopy, Advanced.** Credit, three hours. Professor CHAMOT and Miss WRIGHT.

S 96. **Research.** Credit, one to six hours.

For courses in agricultural chemistry see page 222.

ZOOLOGY AND ORNITHOLOGY

S 1. **General Zoology.** Credit, six hours. Assistant Professors REED and SHADLE. Laboratory fee, \$6.

S 2. **Teachers' Course.** Credit, one or more hours. Assistant Professors REED and SHADLE. Laboratory fee, \$3.

S 3. **Comparative Anatomy of Vertebrates.** Credit, three hours. Assistant Professor REED and Mr. GAMBLE. Laboratory fee, \$6.

S 4. **Ornithology.** Credit, three hours. Assistant Professor ALLEN and Mr. LEISTER. Laboratory fee, \$1.50.

S 5. **Economic Ornithology and Mammalogy.** Credit, two hours. Should be preceded or accompanied by course S 4; presupposes elementary knowledge of botany and entomology. Assistant Professor ALLEN and Mr. LEISTER.

HUMAN PHYSIOLOGY

S 1. **Elementary Human Physiology.** Credit, two hours. Professor SIMPSON.

S 2. **Laboratory Exercises in Physiology.** Credit, two hours. Mr. BURLAGE and Mr. DYE.

LECTURE COURSES IN GEOGRAPHY AND GEOLOGY

S 1. **Physical Geography.** Credit, two hours. Assistant Professor VON ENGELN.

S 2. **Commercial and Industrial Geography.** Credit, two hours. Assistant Professor VON ENGELN.

S 3. **Methods of Teaching Geography in Elementary Schools.** Credit, two hours. Professor HUBBARD.

S 5. **Geology. A General Introductory Course.** Credit, two hours. Professor RIES.

S 31. **Engineering Geology.** Professor RIES and Mr. ELSTON.

Continuation of regular session course 31.

LABORATORY AND EXCURSION COURSES IN BOTH GEOGRAPHY AND GEOLOGY

S 8. **Physical Geography, Laboratory Course.** Credit, one hour. Professor HUBBARD. Laboratory fee \$1.

S 9. **Geology, Laboratory Course.** Credit, one hour. Mr. ELSTON. Laboratory fee \$1.

S 10. **Geography and Geology, Field Course.** This course should be elected by all those registering in course S 1 or S 5 and is required of all those who desire entrance credit in physical geography.

Excursions 1, 2, 3, 5, 6 are required of all students in the course, and in addition they must make either 10, or two of 7, 8, and 11. Credit, one hour.

OUTLINE OF EXCURSIONS

S 10. **Geography and Geology, Field Course.** A series of excursions under the direction of Assistant Professor VON ENGELN and other members of the staff. This course should be elected by all those registering in course S 1 or S 5 and is required of all those who desire entrance credit in physical geography. With courses S 1 and S 8 it affords a comprehensive course in physical geography; with courses S 5 and S 9 it will give a similarly broad training in elementary geology, as the dynamic phases of geology are emphasized on the excursions. Excursions 1, 2, 3, 5, 6 are required of all students in the course, and in addition they must take either two of 7, 8 and 9; or one of 10 and 11 for one hour's credit.

PHYSICAL EDUCATION AND PHYSICAL TRAINING FOR WOMEN

S 1. **Hygiene.** Dr. CLINTON P. McCORD.

S 20. **Physical Diagnosis.** Dr. CLINTON P. McCORD.

S 30. **First Aid.** CHARLES ETHAN ALLEN.

S 5. **The Teaching of Rhythm, Singing Games, Elementary Folk and Aesthetic Dancing.**

S 6. **Advanced Course in Rhythm, Singing Games, Folk-Dancing, and Aesthetic Dancing.**

S 7. **Swimming and Fencing.**

A special charge of \$10 is made for swimming, and of \$5 for fencing, including outfit. Mr. GELAS.

DRAWING AND DESIGN

- S 1. **Freehand Drawing for Elementary and Secondary Schools.** Mr. GRIFFITH.
 S 2. **Design, Fine and Applied Art.** Mr. GRIFFITH.
 S 3. **Mechanical Drawing for Secondary Schools.**
 S 4. **Mechanical Drawing.**
 S 5. **Machine Sketching and Drawing.**
 [S 6. **Descriptive Geometry.** Assistant Professor POND.]

MECHANICS OF ENGINEERING

[Textbooks: Church's Mechanics of Engineering, and Notes and Examples in Mechanics, supplemented by other printed notes and problems. Assistant Professor RETTGER.]

Course S 20 is the equivalent of M5 of Sibley College, or C.E. 20 of the College of Civil Engineering. Course S 21 is the equivalent of M6 of Sibley College, or C.E. 21 of the College of Civil Engineering.

S 20 includes statics of a material point and of rigid bodies, and kinetics of rigid bodies.

Prerequisite, Integral Calculus.

S 21 includes strength of materials (that is, Mechanics of Materials).

Prerequisite, the equivalent of course S 20).

A student taking either course for the first time is not permitted to take any other work unless permission to do so is granted him by the instructor in charge or by the class adviser of his college.

The courses are open to students from other universities subject to the same requirements for admission as are made for Cornell students. Such student should bring with them official credentials from their universities showing that they satisfy the requirements for admission to the courses in question.] Not given in 1919, but see below.

COLLEGE OF CIVIL ENGINEERING

The courses mentioned above will not be offered as in previous Summer Sessions, but Descriptive Geometry, Mechanics of Engineering, Concrete Construction, Reinforced Concrete Arch Design, Bridge Stresses, Structural Design, Hydraulics, and several other courses will be offered during the summer of 1919 in the Summer Term of eight weeks in the College of Civil Engineering. These courses begin on the same date as do the courses in the Summer Session.

Subject to the approval of the administrative officers of the Summer Session and of the professor concerned, and upon payment of a supplemental tuition charge of \$5 for each course, students having the necessary prerequisites may be admitted to the courses offered in the College of Civil Engineering.

MUSIC

The courses offered by the Department of Music are primarily intended for the training of supervisors of music in public schools, normal schools, and colleges. A special course is offered for the training of directors of instrumental music in the schools.

Students are admitted to the Department of Music only on application to Professor Hollis Dann.

First year courses are designated A; Second year B; Third year C; Fourth year D; Advanced courses E.

Sight Reading—A. Miss BARTHOLOMEW and Miss OTTLEY.

Sight Reading—B. Mr. SCALES and Miss OTTLEY.

Sight Reading—C. Professor HOERRNER and Mr. SCALES.

Dictation—A. Miss BARTHOLOMEW and Miss OTTLEY.

Dictation—B. Credit, two hours. Professor HOERRNER and Miss WHITE.

Dictation—C. Credit, two hours. Miss WISENALL and Professor BALLARD.

Open to students who have completed Harmony B.

Material and Methods—B. Miss BRYANT.

Material and Methods—C. Professor DANN.

High and Normal School Music—D. Professor DANN.

Practice Teaching—C. Miss WHITE.

Practice Teaching—D. Miss BRYANT.

Rudiments of Music. Mr. SCALES.

Harmony—A. Miss WISENALL.

Harmony—B. Credit, two hours. Miss WISENALL and Professor BALLARD.

Melody—C. Credit, one hour. Mr. JOHNSTONE.

Melody—D. Credit, one hour. Mr. JOHNSTONE.

Chorus—A and B. Mr. CAREY.

Advanced Chorus. Professor DANN.

Choral Conducting—D. Professor HOERRNER and Mr. BRAUN.

Orchestral Conducting—D. Mr. MATTERN.

Open to D students only.

School Orchestra—C. Mr. MATTERN.

Violin Classes. Mr. MATTERN.

Community Orchestra. Mr. MATTERN.

Orchestra, Material and Methods—E. Mr. MATTERN.

An entrance test in violin playing is required of students taking this course.

Orchestration—E. Mr. JOHNSTONE.

Band and Orchestra Technique. Mr. HERRICK.

Song Interpretation. Mr. JOHNSTONE.

To be taken with Rote Songs and Voice Training B or C. Open to B and C classes.

Rote Songs and Voice Training—B or C. Miss BRYANT.

Voice Training—D. Mrs. HUNT.

Principles and Practice of Teaching—D. A home-study course.

History of Music and Current Events—C. A home-study course.

History of Music and Current Events—D. A home-study course.

Musical Appreciation—Mr. JOHNSTONE.

PROGRESSIVE SERIES OF PIANO LESSONS (Elective)

I. **Elementary.** Mr. BRAUN.

II. **Intermediate.** Credit, two hours. Mr. KROEGER. Prerequisite, completion of course I.

III. **Advanced.** Credit, two hours.

NORMAL COURSES IN PIANO TEACHING

1. **Singing Games, Rhythms, and Folk Dances.** 2. **Teacher's course in connection with course 1.**

Aesthetic Dancing.

STATE COLLEGE OF AGRICULTURE

OFFICERS

Jacob Gould Schurman, A.M., D.Sc., LL.D., President of the University.

Albert Russell Mann, A.M., Dean of the College of Agriculture and Director of the Experiment Station.

Cornelius Betten, Ph.D., Professor, Secretary, and Registrar.

STAFF OF INSTRUCTION

Susan Sipe Alburtis, J. O. Wilson Normal School, Washington, D. C.

W.P. Alexander, B. S., Assistant in Natural History.

Floyd E. Andrews, Foreman of the Instruction Plant, Poultry.

Arthur Augustus Allen, Ph.D., Assistant Professor of Ornithology.

Charles Ethan Allen, B.A., Instructor in Histology and Anatomy, Albany Medical College, and Professor of Physiology, Albany College of Pharmacy.

Erford Lynn Banner, B.S., Instructor in Poultry Husbandry.

Marie M. Barry, Director of Recreation Club, Public Schools, Albany, N. Y.

Albert Reiff Bechtel, B.S., A.M., Instructor in Botany.

Beulah Blackmore, B.S., Assistant Professor of Home Economics.

Chester A. Buckner, A.B., Ph.D., Lincoln School, Teachers College.

Mrs. Anna Botsford Comstock, B.S., Assistant Professor of Nature Study.

Lewis Josephus Cross, B.A., Ph.D., Professor of Chemistry in its Relations to Agriculture.

Allan Cameron Fraser, B.S., Instructor in Plant Breeding.

Arthur Kendall Getman, B.S., State Supervisor of Agricultural Education.

Julia Gleason, Instructor in Home Economics.

Jeanne Maclean Gray, B.A., Instructor in Physical Education, University of Wisconsin.

L. A. Hausman, M.A., Instructor in Biology.

Arthur John Heinicke, B.S.A., M.A., Ph.D., Assistant Professor of Pomology.

Frances Henry, A.B., Assistant Professor of Home Economics.

Laurence S. Hill, Director of Physical Education, Public Schools, Albany, N. Y.

Arthur Hollis, Supervisor of Physical Training, Whitestown, N. Y.

Ralph Sheldon Hosmer, B.S.A., M.F., Professor of Forestry.

F. Beatrice Hunter, B.S., Instructor in Home Economics.

C. H. Kennedy, B.S., Professor, University of North Carolina.

Paul J. Kruse, A.B., Ph.D., Professor of Rural Education.

George Nieman Lauman, B.S.A., Professor of Rural Economy.

Claude W. Leister, B.S. in Agr., Instructor in Ornithology.

David Lumsden, Assistant Professor of Floriculture.

William Foster Lusk, B.Ph., M.S.A., Professor of Rural Education.

Clinton P. McCord, M.D., Health Director of Schools, and Instructor in Educational Hygiene, Albany Medical College.

Thomas Lyons Martin, B.A., Assistant in Soil Technology.

Robert Matheson, Ph.D., Assistant Professor of Entomology.

C. L. Metcalf, A.M., Professor of Entomology, University of Ohio.

Edward Gardner Misner, B.S., Assistant Professor of Farm Management.

Margaret Morrison, Director of Physical Education and Dramatics, Darling Seminary, Westchester, Pa.

- James George Needham, Ph.D., Professor of Entomology and Limnology.
- Sydney Parsons, Instructor in Physical Training, Girls' High School, Brooklyn, N. Y.
- Loren Clifford Petry, Ph.D., Assistant Professor of Botany, Syracuse University.
- John M. Reed, B.A., Acting Director of Physical Education, Rensselaer Polytechnic Institute.
- Frank Elmore Rice, A.B., Ph.D., Assistant Professor of Chemistry in its Relations to Agriculture.
- Howard Waite Riley, M.E., Professor of Rural Engineering.
- Louis Michael Roehl, Supervisor of Farm Shop Work.
- Flora Rose, B.S., M.A., Professor of Home Economics.
- Harold Ellis Ross, M.S.A., Professor of Dairy Industry.
- Dwight Sanderson, B.S. in Agr., Professor of Rural Organization.
- Mae Catherine Scheel, B.A., State Teacher of Physical Training, State of New York.
- Henry William Schneck, B.S., M.S.A., Assistant Professor of Vegetable Gardening.
- Rolland Maclaren Stewart, A.B., Ph.D., Professor of Rural Education.
- James Lewis Strahan, B.S. in Agr., M.S. in Agr., Instructor in Farm Structures.
- Clark Leonard Thayer, B.Sc., Instructor in Floriculture.
- Jay R. Traver, A.B., Assistant in Nature Study.
- Martha Van Rensselaer, A.B., Professor of Home Economics.
- Harry A. Van Velsor, B.P.E., Physical Director, Hutchinson-Central High School, Buffalo, N. Y.
- Grace Lydia Waterman, Director, Department of Physical Education, Emma Willard School, Troy, N. Y.
- Karl McKay Wiegand, B.S., Ph.D., Professor of Botany.
- John Eugene Wolf, Physical and Athletic Director, Lansdowne and Haverford School Districts, Pa.
- George Alan Works, B.Ph., M.S.A., Professor of Rural Education.

COURSES IN THE COLLEGE OF AGRICULTURE

ANIMAL HUSBANDRY

- S 1. **Principles and Practice of Feeding Animals.** Credit, two hours.
S 2. **Principles of Animal Breeding; Elementary Judging.** Credit, three hours.

BACTERIOLOGY

- S 1. **Bacteriology.** Credit, two hours. Professor ROSS. Laboratory fee, \$2.

BIOLOGY

- S 1. **General Biology.** Credit, three hours. Professor METCALF and Mr. HAUSMAN. Laboratory fee, \$2.50.

BOTANY

- S 1. **Elementary Botany.** Credit, three hours. Assistant Professor PETRY and Mr. ———.
S 2. **Elementary Morphology of Seed Plants.** Credit, one hour. Assistant Professor PETRY and Mr. ———.
S 4. **Identification, Classification, and Ecology of the Higher Plants.** Credit, two hours. Prerequisite, some training in structural botany taken previously or in connection with this course. Professor WIEGAND and Mr. BECHTEL. Laboratory fee, \$2.50.
S 5. **Trees and Shrubs.** Credit, two hours. Prerequisite, some training in structural botany, taken previously or in conjunction with this course. Mr. BECHTEL. Laboratory fee, \$2.50.
S 8. **Identification and Classification of Lichens, Liverworts, Mosses, and Ferns.** Credit, one hour. Prerequisite, a general knowledge of structural botany. Professor WIEGAND and assistants. Laboratory fee, \$2.
In addition to the laboratory fee in each course a deposit of \$2 will be required from each student to whom vasculums and other special apparatus are assigned.

CHEMISTRY

- S 83. **Organic Chemistry.** Credit, three hours. Prerequisite, Chemistry 1 (inorganic chemistry), or its equivalent. Professor CROSS.
S 84. **Organic Chemistry Laboratory.** Credit, two hours. Prerequisite, Chemistry 6 (qualitative and quantitative analysis), or its equivalent; must be accompanied or preceded by Chemistry S 83, or its equivalent. Fourteen hours a week required.
S 86. **Agricultural Chemistry.** Introductory course. Credit, two hours. Prerequisite, Chemistry 6 (qualitative and quantitative analysis), or its equivalent. Fourteen hours a week required.
S 95. **Elementary Food and Household Chemistry.** Credit, two hours. Prerequisite, Chemistry 1 (inorganic chemistry), or its equivalent. Professor CROSS.
S 96 (1). **Analysis and Testing of Foods and Household Materials.** Credit, two hours. Prerequisite, courses 6, 83 and 84 (or their equivalents, qualitative and quantitative analysis, organic chemistry, lectures and laboratory). Fourteen hours a week required.
S 96 (2). **Analysis and Testing of Foods and Household Materials. Introductory Laboratory Course.** Credit, two hours. Prerequisite, Chemistry 1 and 83, or their equivalent (inorganic chemistry and organic lectures).
Subject matter similar to that of S 96 (1) but more elementary. Will be accepted in fulfillment of the Household Chemistry laboratory requirement for regular Home Economics students.
S 116. **Special Topics and Research.**

DAIRY INDUSTRY

- S 1. **Dairy Industry.** Credit, one hour. Professor ROSS.

ENTOMOLOGY

- S 4. **Elementary Morphology of Insects.** Credit, three hours. Twenty-one hours of laboratory work a week required. Laboratory fee, \$2.
S 5. **Elementary Systematic Entomology.** Credit, two hours. Fifteen hours of laboratory work a week required. Must be preceded or accompanied by course S 4. Laboratory fee, \$3.

FARM MANAGEMENT

- S 1. **Farm Management.** Credit, three hours.
This course is designed to meet the needs of teachers in vocational courses.

FLORICULTURE

- S 1. **Garden Flowers.** Credit, one hour. Assistant Professor LUMSDEN and Mr. THAYER.
 S 2. **Indoor Flower Growing.** Credit, one hour. Mr. THAYER.
 S 3. **Arrangement for Annuals and Herbaceous Perennials in the School Garden.** Credit, one hour. Assistant Professor LUMSDEN.

FORESTRY

- S 1. **Forests and Forestry.** Credit, one hour. Professor HOSMER.

HOME ECONOMICS

- S 1. **Survey Course in Foods.** Credit, four hours. Laboratory fee, \$10.
 S 3. **An Introductory Course in Foods.** Credit, five hours. Prerequisite, general biology and general chemistry. Assistant Professor HENRY. Laboratory fee, \$15.
 S 4. **Dietetics.** Credit, three hours. Professor ROSE and Assistant Professor HENRY. Laboratory fee, \$7.50.
 S 6. **Home Economics in the Rural Schools.** Credit, two hours. Miss MCNIEL. Laboratory fee, \$5.
 S 14. **Household Management.** Credit, two hours. Professor VAN RENSSLAER.
 S 15c. **Introductory Course in Clothing and Textiles.** Credit, two hours. Miss GLEASON. Estimated expense, \$10 to \$12. Laboratory fee, \$3.
 S 16a. **Draping, Drafting, and Designing.** Credit, two hours. Prerequisite, course S 15c, or its equivalent. Miss GLEASON. Estimated expense, \$3 to \$5. Laboratory fee, \$3.
 S 17. **Selection and Design of Clothing.** Credit, two hours. Prerequisite, courses S 15c, S 16a, and S 18, or their equivalents. S 18 may be taken parallel with S 17. Miss HUNTER. Estimated expense, \$15 to \$20. Laboratory fee, \$2.
 S 18. **Costume Design.** Credit, two hours. Miss HUNTER. Estimated expense, \$5. Laboratory fee, \$3.
 S 19. **Textiles.** Credit, two hours. Assistant Professor BLACKMORE. Estimated expense, \$5. Laboratory fee, \$2.
 S 23. **Extension Course in Home Economics.** Credit, five hours. Professors VAN RENSSLAER, BURRITT, and ADAMS. Laboratory fee, \$5. In addition there will be the expense of travel to neighboring places.

LANDSCAPE ART

- S 3. **The Arrangement and Planting of Home and School Grounds.** Credit, one hour. Professor CURTIS.

NATURE STUDY

- S 1. **General Nature Study.** Credit, two hours. Assistant Professor COMSTOCK.
 S 2. **Natural History of the Farm.** Credit, one hour. Mr. ALEXANDER. Laboratory fee, \$1.
 S 3. **Nature Literature.** Credit, one hour. Only those who have had course S 1 are eligible. Assistant Professor COMSTOCK.
 S 4. **Friends and Enemies of the Garden.** Credit, two hours. Professor C. H. KENNEDY.

PHYSICAL EDUCATION

- S 1. **Hygiene.** Credit, two hours.
 S 2. **First Year Practice.** Credit, two hours.
 S 3. **Histology and Anatomy.** Credit, two hours. Dr. McCORD and Mr. ALLEN. Laboratory fee, \$1.
 S 4. **School Yard Athletics.** Credit, one hour. Mr. HILL.
 S 1. **Rural Education.** (See page 224.)
 S 12. **Second Year Practice.** Credit, two hours.
 S 13. **Physiology.** Credit, one hour. Dr. McCORD.
 S 14. **Public Speaking.** Credit, two hours. Assistant Professor HUNT.
 Course S 1. **Rural Organization.** (See page 225.)
 S 20. **Physical Diagnosis.** Credit, one hour. Dr. McCORD.
 S 2. **Rural Education.** (See page 224.)
 S 22. **Third Year Practice.** Credit, two hours.
 S 24. **Kinesiology.** Credit, one hour. Miss GRAY.
 S 29. **Method and Practice of Teaching Physical Education.** Credit, two hours. Mr. HILL.
 S 30. **First Aid.** Credit, one hour. Mr. ALLEN.
 S 31. **Mechanotherapy.** Credit, one hour. Miss WATERMAN.
 S 32. **Fourth Year Practice.** Credit, two hours.

Electives

S 23. **Pageantry.** Credit, one hour. Miss PARSONS.

S 35. **Swimming.** Special fee, \$10.00.

Athletic Courses

(Required of the candidates for the certificate)

S 6. **Soccer.** Credit, one hour. Mr. WOLF.

S 7. **Base Ball.** Credit, one hour. Mr. REED.

S 8. **Track and Field Athletics.** Credit, one hour. Miss GRAY and assistant.

S 9. **Hockey and Tennis.** Credit, one hour. Miss WATERMAN.

S 10. **Football.** Credit, one hour. Mr. REED.

Basketball. Theory and Practice. Offered as part of practice courses, S 22 and S 32.

S 40. **General Course in Calisthenics and Recreation for the Class-room Teacher.** Credit, one hour. Mr. HOLLIS.

ORNITHOLOGY

Courses in ornithology, as announced on page 217, are open without tuition charge to students registered in the College of Agriculture Summer School.

POMOLOGY

S 1. **General Fruit Growing.** Credit, three hours. Prerequisite, Botany S 1, or its equivalent. Professor HEINICKE.

S 2. **Advanced Pomology.** Prerequisite, Botany S 1 and Pomology S 1, or the equivalent. No credit toward graduation.

POULTRY HUSBANDRY

S 1. **The Care and Management of Poultry.** Credit, four hours. Mr. BANNER. Laboratory fee, \$3.

S 2. **Farm Poultry.** Credit, one hour. Mr. BANNER. Laboratory fee, \$1.

S 3. **Feeding Practice.** Credit, one hour. Must be accompanied by course S 1, or S 2. Mr. BANNER and Mr. ANDREWS. Laboratory fee, \$1.

S 4. **Incubating Practice.** Credit, one-half hour. Must be accompanied by course S 1, or S 2. Mr. BANNER and Mr. ANDREWS. Laboratory fee, \$1.

S 5. **Brooding Practice.** Credit, one-half hour. Must be accompanied by course S 1, or S 2. Mr. BANNER and Mr. ANDREWS. Laboratory fee, \$1.

RURAL ECONOMY

S 4. **The Rural Problem.** Credit, two hours. Prerequisite, for regular students, junior standing and Political Science 51; for mature students, the permission of the Department. Professor LAUMAN. Not accepted as a substitute for course 4 during the regular academic year.

S 8. **Cooperation.** Credit, two hours. Prerequisites as above. Professor LAUMAN.

RURAL EDUCATION

S 1. **Educational Psychology.** Credit, two hours. Professor KRUSE.

S 2. **Principles of Teaching.** Credit, two hours. Professor KRUSE.

S 3. **Agriculture in New York State High Schools.** Credit, two or three hours. Mr. GETMAN.

S 4. **Home Economics in the Day, Part-time, and Evening Schools.** Credit, two hours. Miss BINZEL.

S 6. **Problems of Instruction in Vocational Agriculture.** Credit, one hour. Mr. GETMAN.

S 12. **Social and Vocational Aspects of Education.** Credit, two hours. Professor STEWART.

S 14. **Organization of College Departments of Agricultural Education.** Credit, two hours. Professor LUSK.

S 15. **Organization of Teacher Training in Home Economics.** Credit, two hours. Miss BINZEL and Miss STANLEY.

S 18. **State and County School Administration and Supervision.** Credit, one hour. Dr. BUCKNER.

S 20. **Administration and Supervision of Vocational Agriculture.** Credit, two hours. Professor WORKS.

S 21. **Administration and Supervision of Vocational Home Economics.** Credit, two hours. Miss RICHARDSON and Miss BAYLOR.

S 50. **School and Home Gardens.** Credit, one hour. Mrs. SIPE ALBURTIS.

S 51. **Practice Teaching in School Gardening.** Credit, one hour. Mrs. SIPE ALBURTIS.

RURAL ENGINEERING

S 5. Farm Mechanics and Engineering. Credit, two hours. Professor RILEY and Mr. STRAHAN.

S 41. Farm Shop Work. Credit, one hour. Mr. ROEHL.

RURAL ORGANIZATION

S 1. The Social Problems of Rural Communities. Credit, two hours. Professor SANDERSON.

SOIL TECHNOLOGY

S 3. Soils. Three periods. Credit, one hour. Mr. MARTIN.

SCHOOL GARDENING**FIRST YEAR**

Course	Credits
Vegetable Gardening S 1.....	3
Floriculture S 1.....	1
Soils S 3.....	1
Nature Study S 1.....	2
Rural Education S 50.....	1

SECOND YEAR

Course	Credits
Vegetable Gardening S 2.....	1
Floriculture S 3.....	1
Nature Study S 4.....	2
Rural Education S 51.....	1
Floriculture S 2.....	1
Nature Study S 3.....	1

VEGETABLE GARDENING

S 1. Vegetable Gardening. Credit, three hours. Laboratory fee, \$2.

S 2. Advanced Vegetable Gardening. Credit, one hour. Prerequisite, course S 1. Laboratory fee, \$1.50.

ZOOLOGY

The work in the department of Zoology as announced on page 217 is open, without tuition charge to students registered in the College of Agriculture Summer School.

THE FIFTY-FIRST ANNUAL COMMENCEMENT

Monday, June 23, 1919

FIRST DEGREES

Bachelors of Arts

Conferred October 9, 1918

Louise Clift Bentley
Meyer Bodansky
Leola Marvin Diehl
*Guy Carleton Bayley Dolson
Clifford Morton Gould
Albert Clarence Graeser

Cora Jane Gratricks, Pd.B.
Jack Albert Guggenheim
Lester Hand Jayne
Charles George Muller
Isaac Nachmani
Sawyer Thompson

Conferred December 20, 1918

Che Kwei Chen
Yen Shuen Chow
Adelaide Helen Cook Daly
Joseph Goldberg
Alethe Alida Holsapple

Ralph Alexander Liddle
Mitchell Stokes Lurio
Dean Crawford Moore
William Schack
Max Judd Wasserman

Jacob Wilson

Conferred March 21, 1919

Herbert Wilgus Ballantine
Katherine McMurry Benson
Gladys Katherine Bleiman
Charles Wilbur Cahoon, jr.
James Ward Dalton

Mary Evelyn Girdner
Leslie Townley Hand
Samuel Karrakis
Lo Naam Lau
William August Papke

Conferred June 23, 1919

†Leonard Acker
Clarence Ferdinand Ackerknecht
†Helen Elizabeth Addoms
Marian Ruth Albright
James Ward Andrews
Amy Ruth Apfel
Fay Cook Bailey
Louise Eugenie Baker
Madeline Frances Bassett
Margaret Louise Bateman
Helen Beals
†Louise Fuller Belden
Charles Vernon Bender
Jacob Baruch Berglas
Leonard Bichwit
Grace Huntington Bliss
Dora Ruth Bloom
Ruth Winifred Bradley
Frances Louise Breck
Laura Bayette Brown
Helen Amelia Carmalt
Jane Garry Carroll
Margaret Kimber Clark
Robert Hover Collocott
Ruth Daniels Conklin
Mary Agnes Conroy
Frances Marian Cottle

†Rebecca Davis
Helen Margaret Day
Joseph Henry Diamond
Susan Diehl
Harold McKendree Dodge
Lucibel Irving Downs
Elizabeth Mary Drake
Harry Wade Dunlap, jr.
Albert John Eckhardt
Ida Mae Elliott
William Perry Elliott
†Charles Wellington Elmer
†James Franks Eppenstein
Abraham Fine
Alfred Elias Fischer
Elinor Mary Fish
Marion Cornelia Fisher
Mary Ellen Ford
William Alfred Franzheim
Leo Samuel Frenkel
Raymond Harold Geer
Helene Adele Henriette Gerber
†Marian Gerber
†Gladys Fay Gilkey
Jerome Glaser
Harry Gold
Jesse Morris Goldbaum

*As of May 22, 1918.

†With Honors in Economics and Political Science.

‡With Honors in History.

Louis Gottschalk
 Grace Madaline Granville
 Laura Winifred Gray
 Randolph Chalker Griffith
 Hazel Jean Hall
 Lucy Malinda Hamblen
 Helene Gerda Harbers
 Corinne Hartzell
 Seth Wallace Heartfield
 Jeanette Heertje
 Sadie Elise Henry
 William Pierce Herman
 Ernest Leopold Hettich
 Bernard Jonas Hirschfeld
 Edna Ruth Hotchkiss
 Walter Huber
 Violet May Ironmonger
 Elna Edwardine Johnson
 Aaron Kaufman
 Louisa Edwina Keasbey
 Alpha Mary Kelsey
 Martha Townsend Kelsey
 Nicholas Henry Kiley
 Margaret Alice Kinzinger
 Chet Ram Kohli
 Margaret Collins Knapp
 Luella Irene Lackmann
 Ambrey Walter Lawton
 Joseph Milton Levine
 Sabina Miriam Loeb
 Fern Lowry
 Anna Vivian Lucas
 Harold Charles Luckstone
 Josephine Augusta Lueder
 Lucy Marion Loveland Mack
 Jessie Bone McNicol
 Joseph DeMarnoz Masson
 Helen Luise Meyer
 Hyman Meyerson
 Vartkes Migrdichian
 George Swiggart Miles
 Dorothy Howe Mirick
 Alice Pauline Mitchell
 Marguerite Eulalie Monjo
 George William Monroe, jr.
 Mary Isabel Murray
 Elizabeth Neely
 Clair Prentiss Nourse
 Barnet Nover
 Franklin Parsons O'Brien

Marita Oelkers
 Harriot Anne Parsons
 Mabel Mary Patton
 Marian Pharo
 § Claire Edith Pierce
 Catherine Lucy Porter
 Harry Wray Porter
 Walter Leahy Quinlan
 Lucia Bostwick Raymond
 Norma Kathryn Regan
 Elizabeth Hodgson Reigart
 Mildred Ruth Roraback
 Jerome Rosenblum
 Beatrice Sands
 Herbert Saphir
 Helen Margaret Schrader
 Rupert Albert Schrankel
 Horace Ellsworth Shackelton
 Bernard Joseph Shapiro
 Stanley Newman Shaw
 Merah Durham Shrum
 Ainsworth Lockhart Smith
 Martha Towne Smith
 Mary Florence Smith
 Benjamin Solovay
 Robert James Spear
 Vera Eugenia Spencer
 Genevieve Mina Sprague
 Stanley Consider Stacy
 Charles Stahl
 Hilda Irene Stanford
 Ralph Gustave Starke
 James Louis Strong
 Virginia Watson Switzer
 Richard Nelson Thompson
 Katherine Thorp
 Emma Natalie Townsend
 † Mark Nathan Turner
 George Raymond Van Allen
 Helene Geertru Van Ness
 Ellen Margaret Van Nuys
 Frank Veith
 Rose Marion Werther
 Ward Alford Wheeler
 Anna Laura White
 Josephine Candee Wicker
 Dean Cushing Wiggins
 Margaret Fletcher Wilson
 Ruth Woodard
 Jocelyn Woodman
 Pauline Ziegelbauer

Bachelors of Chemistry

Conferred October 9, 1918

Ralph Thomas Kline Cornwell

*Harrison Porter Hood

Conferred March 21, 1919

William Matthias Aierstok

Robert James Fletcher
 Edwin Hewes Thomas

Conferred June 23, 1919

James Lewis Berston
 Arthur Walker Bull
 Lee Hinchman Clark
 Julian Seeman Cohen
 Myron Edward Colby
 Harry Davidson
 Merwin Jesse Finkelstein
 Nathaniel Fuchs
 Daniel Snyder Gustin

Eugene Joseph Hasselbeck
 Raymond John Hemphill
 Fred Fisher Hubach
 John Culver Leppart
 Louis Mittelman
 Frederick Nill
 Frederick Charles Schmutz
 George Stern
 Andrews Clement Wintringham

*As of May 22, 1918.

†With Honors in Economics and Political Science.

‡With Honors in History.

§With Honors in Mathematics.

Bachelor of Laws

Conferred June 23, 1919

Wilbur Fiske Chapman, A.B.

Bachelors of Science

Conferred October 9, 1918

Dorothy Ashley
 Rudolph Joseph Babor
 Edwin Goodrich Batsford
 Samuel Blum
 Henry White Cleaves
 Ruth Lucinda Dodge
 Philip Douglas Flanner
 Donald McKinstry Gray

Grace Hall Griswold
 John Knapp Herrick
 Edward Blaine Hewes
 Samuel Hochman
 Henry George Schmidt
 Mildred Margaret Stevens
 Joseph Teck
 John George Wolf

Conferred December 20, 1918

Helen Elise Bullard
 Daniel John Carey
 Fordyce Charles Deitz
 Cornelia Dockstader Fonda
 Samuel Goldberg
 Meyer Goldman
 Henry Eugene Hartman
 Richard Lieke

Frederick William Loede, jr.
 Lillian Antoinette Lybolt
 George Henry Russell
 Vernon Gulick Sandford
 Luis Serrano
 George D'Esterre Spencer
 Francis Omar Underwood
 Carll Preston Winn

Grace Wright

Conferred March 21, 1919

Guillermo Barros-Hurtado
 Elizabeth Rose Cook
 Agnes Catherine Elizabeth Diel
 Ida Jane Gillett
 Eustace Edward Green, jr.
 Maynard Charles Hammond

Wilson Andrew Herrington
 Robert Davidson Knapp
 Carlos Montes
 Emma Virginia Phipps
 Wicar Goes Teixeira
 Horatio Luther Van Volkenberg, D.V.M.

Conferred June 23, 1919

Arthur Coldren Aikin
 Ethel Elizabeth Allis
 Pablo Constantino Arosemena
 Walter Buswell Balch
 Harlo Peabody Beals
 Bernard Bellis
 Florence Berkeley
 Magdalena Olga Berls
 Howard Emmons Blair
 Louisa Simpson Blauvelt
 Lyman Watts Bole
 Helen Grace Bool
 John Hall Bowker
 William Henry Brandow
 Daniel Bosley Brooks
 Sidney Slater Buckley
 John Levenus Buys
 Evelyn Clara Call
 Dana George Card
 Dorothy Lyon Chapman
 Elizabeth Thompson Churchyard
 Helen Sophia Clark
 Anna Cecilia Coad
 Florence Elizabeth Coupe
 Chloe Louise James Curtiss
 Anna Elisabeth Cusic
 Lina Reeves Darling
 Edna Louise Dean
 Inglee Ball Dewson
 Frederick Dalton Drake
 Russel Raymond Drake
 Carroll Kenneth Dunham
 Hazel Sarah Dunn
 Percy Lawrence Dunn
 Dorothea Diana Durfee

Roger Gannet Eastman
 William Charles Eldridge
 Margretta Farley
 Cuthbert Bancroft Fraser
 Harold Bentley Fuller
 Esther Hawley Funnell
 Theodore Emmett Gaty, jr.
 Arthur Edward Gibson
 Andrew Haswell Green
 Hilda Louise Greenawalt
 Edna Mae Griffin
 Mary Troth Haines, B.A.
 James Garniss Hillas
 Edwin Raymond Hoskins
 William McKinley Houghton
 Olga Bervy Ignatiev
 Sara Arabelle Kelchner
 Gladys Kitchin
 Frank Lester Knowlton
 Mabel Lamoureux
 Helen Cornelia Langdon
 Agnes Alberta Lawrence
 Caroline Elizabeth Leach
 Anna Mary Leonard
 Dean Elwood Lounsbury
 Carrie Luce
 Frank LeRoy Manning
 Peter Antony Mattli
 Jacob Clarence Maurer
 William Lyndon Mayer
 Edith Katherine Messenger
 Julian Rider Minier
 William John Moersfelder
 Frank Nelms, jr.
 Nathan Loeb Nelson

Julius Edward Parsons
 Frederick Edgar Pfordte
 Frances Preston
 Ross McKean Preston
 Marian Randolph Priestley
 James George Pritchard
 Dorothy Winifred Purdy
 Millicent Harriet Quinby
 Myers Peter Rasmussen
 Alfred Reed, jr.
 Esther Myrick Rice
 Effey Lena Riley
 Frances Heisler Riley
 Lloyd Watson Robinson
 Marvin Bert Robinson
 Maurice Spencer Russell
 Gertrude Sargent Sampson
 James Edward Schaaf
 Julius Schaezel

Charles Jackson Schlesinger
 Charles George Seelbach
 Charles Jay Settle, jr.
 William Grant Shanks
 Arthur Fred Simpson
 Elizabeth Thompson Simpson
 John Nelson Spaeth
 Margaret Eleanor Steer
 Chauncey Judd Stewart
 Ellen May Stickelmyer
 Frances Miriam Strong
 Ernest Vaughan Sullivan
 Benjamin Fabius Tarley
 Abbie Stuart Tingley
 Vilma Vigert
 Leota Ada Wadsworth
 Jeannette Warner
 Fred Eugene Wheeler
 Howard Marvin Whitcomb

Doctors of Veterinary Medicine

Conferred September 23, 1918

Robert Wesley Fuller

Conferred March 21, 1919

Joseph Phillips Benson, B.S.

Walter John Chynoweth
 Morris Scherago, B.S.

Conferred June 23, 1919

Nathan Blau
 Louis Alfred Corwin
 Raymond Vaughn Gorton
 Paul Roswell Houghton
 DeWitt LaGrange

Albin Muskovin
 Henry Patrick Noonan
 Wellington Edward Parks
 Glenn John Powell
 Jay Griffith Townsend
 Clarence Peter Zepp

Bachelors of Architecture

Conferred October 9, 1918

Gosta William Hagstrom

Conferred December 20, 1918

Yen Chih Lu

Conferred June 23, 1919

Rafael Carmoega
 Anthon Forgeau Darrin
 Benjamin S. Hubbel, jr.

Arthur Edward Middlehurst
 Corbin Devillo Lewis
 Margaret Helen Palmer
 Erle Tull Seeley

Bachelor of Science in Architecture

Conferred June 23, 1919

Allen Lenior McGill

Civil Engineers

Conferred October 9, 1918

Iu Choo Chan, B.S.
 Philip Lawrence Sullivan

*James Joseph Wall, jr.
 Percy Suydam Wilson

Conferred December 20, 1918

George Percival Bullard
 Adolph Omega Infanger
 Claude M. Pendleton

Yu-fong Philander Sun
 Mariano Alfredo Valderrama
 John Thomas Tavares

*As of October 11, 1916.

Conferred March 21, 1919

Morris Gilbert Cohen
 Albert Louis Dittmar
 Frederick Henry Eisenbrandt

Nathan November
 David Perlman
 Samuel Saul Shipman

Conferred June 23, 1919

Harold Rhodes Bassett
 Lloyd Edward Bemis
 Curtis Burman Bennett
 Frank Schille Constans
 Frederick Wilson Crane
 John Charles Gebhard
 Francis Ambrose Haley
 George Singleton Hiscock
 Samuel Kaufman
 Harry Emil Lindberg
 James Henry Lynch, jr.
 Yu Chi Ma
 John Hunter McClure
 John Ward Martin

Benjamin Charles Michelson
 Leonard Miscall
 James Hallen O'Leary
 Robert Arnsen Philipson
 Donald Many Robinson
 Sigurd Rogde
 Homer Russell Seely
 Oscar James Sewell
 Alexander Francis Stolz
 Charles Albert Stott
 Reginald Waldo
 Naphtali Weidberg, B.S. in C.E.
 Arthur Wilson Winship
 Chilton Austin Wright

Bicknell James Woodbury

Mechanical Engineers

Conferred October 9, 1918

*Robert Edgar Bussey
 †Spencer Albert Covell, B.Sc.

*Crawford Cook Halsey
 Harry Handwerger

*Carlos Child Knox

Conferred December 20, 1918

William Harry Blew
 Arthur Bruce Boehm
 Lester Pultz Burt
 William Holbrook Clemenshaw, jr.
 Anthony Henry Collins
 Charles William Dietrich, jr.
 Earl Radford Evans
 Howard Mortimer Evarts
 Laurence Vivian Farnham
 Donald Fisher
 Charles Francis Hendrie
 William Klemm Henigbaum
 Thomas Bunting Huestis
 Shurly Russell Irish
 Henry Jacob Kaltenthaler, jr.
 Hon-Kwong Kwaan
 Walter Henry Lawrence
 Edwin Albert Leibman
 Eugene Alfred Leinroth
 Laurence Edward Luce
 Frank Williams McDonell
 Kneeland Abram Mereness
 Charles Marion Miller
 Wayne Downing Miller
 George Talmage Minasian
 Ralph Neuhaus
 Burdette Kibbe Northrop

Charles Erastus Norton
 Cuyler Shaw Patton
 Willard Chase Peare
 Godfrey Ruhland Rebmman, jr.
 George Rees
 Weston Roger Reese
 Lewis Minter Reynolds
 Emory Clark Rice
 Harvey Emmett Roberts
 Everett John Rutan
 Thomas James Ryan
 Archer Maddy Sampson
 August Schmidt, jr.
 Carl Stephen Seibold
 Soloman Seidman
 George Silva
 Robert Gates Skinner
 Robert Duroy Spear
 John Lane Sprague
 Thomas Ford Stacy, A.B.
 George Stone
 Fred William Sultan, jr.
 Clinton Russell Tobey
 Herman Benoit Waag
 Edgar Raymond Watt
 Marvin Woodley Wickham
 Sumner Bisbee Wright

Conferred March 21, 1919

Harold Cook Bowman
 Norman Emerson Elsas
 Francis William Hankins
 Arthur Gardner Jennings

Ralph Felber Jones
 Herman Merker
 George Olson
 DeWitt Frank Swartz

Charles Henry Yost

Conferred June 23, 1919

Cyril Yarling Bowers
 Frederic William Cuffe
 Frederic Charles Evans
 John Charles Friedrich
 Max Jampol

Burton Miller Lowe
 Ford Hapgood McBERTY
 Torsten Herbert Parke
 James Edwin McCune
 Francis Blair Sando

*As of May 22, 1918.

†As of September 26, 1917.

DOCTORS OF MEDICINE

Conferred June 12, 1919, at the Twenty-First Annual Commencement of the Medical College in New York City.

Sophie Townsend Andrews, A.B., A.M.
 Frank Edward Barnes, A.B.
 Sol Bilcon, B.S.
 Howard Reid Craig, B.A., M.A.
 Thomas Wallis Davis, B.S.
 Harold Edwin Himwich, B.S.
 Ira Alfred Hinsdale, Ph.B.
 George Hall Hyslop, A.B., A.M.
 William Joseph Jackson, A.B.
 Helen Johnston, A.B.
 Henry Howard Kessler, A.B.
 Myer Joseph Lozovitsky, A.B.
 Joseph Mandelberg, A.B.
 Bruno Casimir Mazurowski, A.B.

Gustav Kielland Oxholm, B.A.
 Jean Harwood Pattison, A.B.
 Lucy DuBois Porter, B.A.
 Franklin Ward Renfrew, B.S.
 Margaretha Antoinette Ribble, B.A.
 Michael Ringer, B.S.
 Edward Warren Ripley, B.S.
 William Alexander Rogers, Ph.B.
 Dean Franklin Smiley, A.B.
 William Randolph Smith, A.B.
 Arthur McGrath Stokes, A.B.
 Ruth Flanigen Wadsworth, B.A., A.M.
 Mathew Walzer, A.B.
 George Willis Waterman, Ph.B.

Willis Morris Weedon, A.B.

ADVANCED DEGREES

Masters of Arts

Conferred October 9, 1918

Cheh Yao Chang, B.Sc.: Sanitary Chemistry; Organic Chemistry. Thesis: Chemical Studies on Some Common Chinese Medicinal Herbs.
 Vi Arvin Graham, A.B.: Philosophy; Education. Thesis: Hegel's Theory of Development.
 Harry Lebowsky, B.S.: Plant Physiology; Forestry. Thesis: Relation of Orchid Endophyte to Development of Orchid Seed.
 William Curtis Swabey, A.B.: Logic and Metaphysics; Ethics. Thesis: An Essay on Malebranche.

Conferred March 21, 1919

Stanley Ross Burlage, B.S.: Physiology; Biochemistry. Thesis: The Corpuscle Content of the Blood of the Normal Young Adult.

Conferred June 23, 1919

Katherine Rogers Adams, A.B.: English Literature; Medieval History. Thesis: Horace and Vida on the Art of Poetry.
 Vivian Irene Bell, A.B.: Sociology; Psychology. Thesis: Social Work in Ithaca.
 Cuthbert Norman Clark, B.A.: Psychology; Education. Thesis: The Effect of Brightness Disparity on the Facilitation of the Binocular Mixture of Two Grey Fields.
 Marguerite Craig Flockhart, A.B.: European History; English Literature. Thesis: Joseph Priestley and Contemporary Political Thought.
 Doris Kernan Joffrion, B.A.: English Literature; American Literature. Thesis: The Parnassus Plays.
 Avis Leone Kidwell, B.A.: English Literature; Old English. Thesis: Poets on the Relation between Music and Literature.
 Edgar Gustave de Laski, A.B.: Philosophy; Psychology; Ethics. Thesis: The Distinction and Relation of the Understanding and Reason in the Hegelian System.
 Grace Eleanor McReynolds, B.A.: English; Medieval History. Thesis: The Medieval Element in Tennyson.
 Amy Grace Mekeel, A.B.: Taxonomic Botany; Zoology. Thesis: The Identification of Herbaceous Plants in the Rosette Condition.
 Añce Wade Mulhern, B.A.: English Literature; Old English. Thesis: The Utterances of Some English Poets on the Poetics of Aristotle.
 Harry Ashton Phillips, A.B., B.S. in Ed.: Pomology; Rural Education. Thesis: A Study of Experimental Data in the Fertilization of the Apple Orchard.
 Kathryn Lillis Slingerland, B.A.: Zoology; Entomology. Thesis: The Organ of Jacobson in Typhlomolge and its Significance in Caudate Amphibia.
 Edwina Maria Smiley, B.A.: Plant Pathology; Histology. Thesis: The Phyllosticta Blight of Snap-Drum.
 Mary Susan Steele, A.B.: English Literature; French Literature. Thesis: Plays and Masques at Court, 1603-1642.
 Irving Chellis Story, B.S.: Victorian Literature; American Literature. Thesis: Disraeli, the Novelist.
 Dorothy Allison White, A.B.: English Literature; Latin. Thesis: The Primitive Dance in its Relation to the Ballad.
 Eunice Work, A.B.: Latin; French. Thesis: Ovid in Banishment.
 Hofbrook Working, A.B.: Economic Theory; Rural Economy. Thesis: A Theoretical Study of Certain Effects of Currency Expansion.

Masters of Science

Conferred October 9, 1918

Theresa Elizabeth Schindler, B.A.: Floriculture; Landscape Art. Thesis: The Antirrhinum—Botany, History, Varieties, Culture.

Conferred June 23, 1919

Charles Milton Carpenter, D.V.M.: Veterinary Bacteriology; Obstetrics. Thesis: Researches on a Spirillum Associated with Abortion in Ewes.
 Robert Martinus Dolve, B.S. in M.E.: Experimental Engineering; Industrial Engineering. Thesis: A Study of the Uni-flow Steam Engine.
 Dih Yuin Lee, B.S.: General Physics; Photometry and Illumination. Thesis: The Variation of Electric Resistance of Thin Platinum Films with Change in Temperature.
 Kuo Feng Sun, B.S.: Applied Electricity; Engineering Mathematics. Thesis: The Thermal Measurement of Alternating Current.

Masters of Science in Agriculture

Conferred October 9, 1918

Eugene Curtis Auchter, B.S. in Agr.: Pomology; Plant Physiology. Thesis: The Fruiting Habit of the Apple Tree.

Conferred June 23, 1919

Charles Loring Allen, A.B.: Animal Husbandry; Farm Management. Thesis: The Effect of the Age of Sire and Dam on the Quality of the Offspring in Dairy Cows.
 Earnest Faville Cramer, B.S. in Agr.: Rural Education; Rural Economy. Thesis: Records for a State System of Vocational Agricultural Education.
 Alexander Campbell Gorham, B.S.A.: Pomology; Plant Physiology. Thesis: The Pollination of the McIntosh and Fameuse Apples.

Masters of Landscape Design

Conferred June 23, 1919

Catherine Elizabeth Koch, B.S., A.M.: Landscape Art; Rural Engineering. Thesis: A Study of the Principles Bearing upon the Planning of Small Residential Properties.
 Mary Isabelle Potter, B.S.: Landscape Design; French. Thesis: Adelynrood—A Residential Property of the Society of Companions of the Holy Cross.

Master of Architecture

Conferred June 23, 1919

Roy Walling Cheesman, B.Arch.: Architectural Design; History of Architecture. Thesis: A Government Experimental Aviation Field.

Masters of Civil Engineering

Conferred October 9, 1918

Hsieh Chun Chiu, B.S. in C.E.: Bridge Engineering; Railroad Engineering. Thesis: A Critical Comparison of Methods for Finding Stresses in a Swing Truss.
 Chia Chi Huang, B.S. in C.E.: Bridge Engineering; Railroad Engineering. Thesis: On Influence Lines for Deflections of Beams.

Conferred March 21, 1919

Feng-Shu Lu, C.E.: Railroad Engineering; Hydraulic Engineering. Thesis: A Unified System of Organization and Management for the Railroads of China.

Conferred June 23, 1919

Nee Sun Koo, B.S. in C.E.: Bridge Engineering; Railroad Engineering. Thesis: An Analytic Investigation of the K-Truss for Stresses and Deflections.
 Chieh Yao Wang, A.T.E.C.: Bridge Engineering; Topographic Engineering. Thesis: A Study of the Development in Design and Construction of Concrete Arches in America.

Masters of Mechanical Engineering

Conferred March 21, 1919

Hermenegildo Balbino Reyes, A.B., M.E.: Electrical Machinery; Mathematics. Thesis: Induction Motor. Its Theory and Operation under Unbalanced Voltage Conditions.

Conferred June 23, 1919

Yin Nien Liang, B.S. Electrical Engineering; Power Plant Design. Thesis: Unified Electric Power Supply for Peking, China.

Doctors of Philosophy

Conferred October 9, 1918

- Arthur Bishop Beaumont, B.S.:** Soil Technology; Physical Chemistry; Hydraulics. Thesis: Studies in the Reversibility of the Colloidal Conditions of Soils.
- Peter Walter Claassen, A.B., A.M.:** Biology; Morphology of Insects; Economic Entomology. Thesis: Insect Inhabitants of Typha; their Ecological Relations.
- Herbert Barker Hungerford, B.A.:** Limnology; Parasitology; Economic Entomology. Thesis: The Biology and Ecology of Aquatic and Semiaquatic Hemiptera.
- James Owen Knauss, B.A., A.M.:** German Literature; German Philology; Modern European History. Thesis: Social Conditions among the Pennsylvania Germans in the Eighteenth Century as Revealed in the German Newspapers Published in America.
- William Irving Myers, B.S.:** Farm Management; Animal Husbandry; Political Science. Thesis: An Economic Study of Farm Layout.
- Alice Ayr Noyes, B.A., A.M.:** Limnology, Morphology of Insects; Zoology. Thesis: The Ecology of the Hydropsychidae and Philopotamidae of Rapid Streams.
- Howard A. Pidgeon, B.Sc., M.Sc.:** Experimental Physics; Theoretical Physics; Civil Engineering. Thesis: Magneto-Striction with Special Reference to Pure Cobalt. Part I, The Wiedemann Effect.
- Raymond Stratton Smith, B.S., M.S.:** Soils; Geology; Plant Physiology. Thesis: Some Effects of Potassium Salts on Soils.
- Donald Kiteley Tressler, A.B.:** Agricultural Chemistry; Organic Chemistry; Soils. Thesis: The Solubility of the Soil Potash in Various Salt Solutions.

Conferred March 21, 1919

- Clyde Olin Fisher, A.B.:** Economics; Politics; Economic Theory. Thesis: Federal Power in the Settlement of Railway Labor Disputes.
- John Edward Foglesong, B.A., A.M.:** Inorganic Chemistry; Organic Chemistry; Physical Chemistry. Thesis: Cooling Curves in the Three Component System: Ammonium Nitrate—Ammonium Chloride—Water.
- Earle Volcart Hardenburg, B.S., M.S. in Agr.:** Farm Crops; Plant Breeding; Farm Management. Thesis: A Study by Survey Methods of Factors Influencing the Yield of Potatoes.
- Leon Augustus Hausman, A.B., A.M.:** Comparative Morphology; Entomology; Physical Geography. Thesis: A Microscopic Investigation of the Definitive Hair Structure of the Mammalia with Special Reference to the Monotremes.
- John Irvin Lauritzen, B.S.:** Plant Pathology; Plant Physiology; Physical Chemistry. Thesis: The Relation of Temperature and Humidity to Infection by Certain Fungi.
- George Cornell Supplee, B.S., M.S. in Agr.:** Bacteriology; Sanitary Chemistry; Biochemistry. Thesis: The Lecithin Content of Butter and Its Possible Relation to the Fishy Flavor.
- James Malcolm Swaine, B.S.A., M.S. in Agr.:** Systematic Entomology; Morphological Entomology; Plant Pathology. Thesis: Canadian Bark Beetles,—A Preliminary Classification, with an Account of the Habits and Means of Control.
- Harold Worthington Turpin, B.S. in Agr.:** Soil Technology; Plant Physiology; Physical Chemistry. Thesis: The Carbon Dioxide of the Soil and Some Factors Affecting It.

Conferred June 23, 1919

- Rudolph John Anderson, B.Sc.:** Chemistry; Physiology; Bacteriology. Thesis: The Occurrence of Organic Phosphorus Compounds in Plants.
- Harold Simmons Booth, A.B., A.M.:** Inorganic Chemistry; Physical Chemistry; Physics. Thesis: The Atomic Weight of Nitrogen.
- Frank Pores Bussell, A.B.:** Plant Breeding; Plant Physiology; Soil Technology. Thesis: A Study of Mendelian Inheritance in Barley.
- Marie Taylor Collins, A.B., A.M.:** Logic and Metaphysics; Ethics; Psychology. Thesis: Some Modern Conceptions of Natural Law.
- George Andrews Hedger, A.B.:** Modern European History; Political Science; American History. Thesis: The Position of the British Labor Party in Relation to Foreign Policy.
- Thomas Lyons Martin, B.A.:** Soil Technology; Plant Physiology; Bacteriology. Thesis: The Decomposition of Green Manures at Different Stages of Growth.
- Carleton Chase Murdock, B.S., A.M.:** Experimental Physics; Mathematical Physics; Theoretical Physics. Thesis: The Photoelectric Properties of Rhodamine-B for Short Exposures.
- Ernest Trowbridge Paine, A.B., A.M.:** Logic and Metaphysics; Ethics; Greek and Medieval Philosophy. Thesis: Emile Durkheim's Social Theory of Religion.
- Ralph Chapman Rodgers, M.E., A.M.:** Experimental Physics; Photometry; Theoretical Physics. Thesis: Change of Resistance with Temperature of Various Sodium Amalgams.
- William Curtis Swabe, A.B., A.M.:** Logic and Metaphysics; Ethics; Psychology. Thesis: The Philosophy of Malebranche.
- Miriam Hasbrouck Van Dyck, A.B., A.M.:** German Literature; German Philology; American Literature. Thesis: Impersonations of the Christ-theme in the Modern German Drama and Novel.

MEMBERSHIP IN HONORARY SOCIETIES

Class of 1919

Phi Beta Kappa

Leonard Acker
 Helen Elizabeth Addoms
 Marian Ruth Albright
 Louise Fuller Belden
 Katherine McMurry Benson
 Leonard Bichwit
 Helen Amelia Carmalt
 Charles Wellington Elmer
 James Franks Eppenstein
 Elinor Mary Fish
 Marian Gerber
 Leo Gershoy
 Gladys Fay Gilkey
 James Rufus Gordon

Louis Gottschalk
 Jeanette Heertje
 William Pierce Herman
 Edna Ruth Hotchkiss
 Nicholas Henry Kiley
 Margaret Collins Knapp
 Luella Irene Lackmann
 Ralph Alexander Liddle
 Elizabeth Neely
 Barnet Nover
 Franklin Parsons O'Brien
 Virginia Watson Switzer
 Helene Geertru Van Ness
 Max Judd Wasserman

Pauline Ziegelbauer

Sigma Xi

Since election to Sigma Xi is based upon original research, members of the senior class in certain important departments of the University are unable to attain this honor by reason of the inflexibility of their undergraduate curricula.

Arthur Walker Bull
 Lee Hinchman Clark
 Eugene Joseph Hasselbeck

Frederick Nill
 Anna Laura White
 Andrews Clement Wintringham

Tau Beta Pi

George Percival Bullard
 Damon Greenleaf Douglas
 Earl Radford Evans
 Frederic Charles Evans
 Laurence Vivian Farnham
 John Charles Beghard
 Eugene Joseph Hasselbeck
 William Klemm Henigbaum
 Thomas Bunting Huestis
 Adolph Omega Infanger
 Ford Hapgood McBerty
 Frank Williams McDonell
 Andrew Edward Middlehurst
 Frederick Nill

Charles Erastus Norton
 Wallace Blanck Quail
 Godfrey Ruhland Rebmann, jr.
 Emory Clark Rice
 Donald Many Robinson
 Archer Maddy Sampson
 Oscar James Sewell
 George Silva
 Robert Gates Skinner
 John Lane Sprague
 Fred William Sultan, jr.
 Thomas Ford Stacy
 Percy Suydam Wilson
 Andrews Clement Wintringham

Sumner Bisbee Wright

Eta Kappa Nu

(Electrical Engineering)

Frederick William Cuffe
 Earl Radford Evans
 Laurence Vivian Farnham
 William Klemm Henigbaum
 Ford Hapgood McBerty
 Frank Williams McDonell
 Godfrey Ruhland Rebmann, jr.
 George Reese

Emory Clark Rice
 Everett John Rutan
 Thomas James Ryan
 George Silva
 Robert Gates Skinner
 John Lane Sprague
 Thomas Ford Stacy
 Sumner Bisbee Wright

Order of the Coif

(College of Law)

Richard Harter Brown

Malcolm Barrington Carroll
 Louis Welton Dawson

PRIZES

The following prizes were awarded by the Faculties during the academic year 1918-1919:

The Woodford Prize in Oratory.....	Walter Measday, jr.
The Horace K. White Prizes:	
First.....	Jay Griffith Townsend
Second.....	Wellington Edward Parks
The Sibley Prizes in Mechanic Arts:	
First.....	William Littlewood
Second.....	Dwight Leeds McNulty
Third.....	Harold Perkins Bentley
Fourth.....	Frederic Charles Evans
Fifth.....	Herman Halperin
The Eighty-Six Memorial Prize in Declamation.....	Ruth Welkowitz
The Boardman Senior Prize Scholarship.....	Louis Welton Dawson
The Fuertes Medals:	
Graduate.....	Not awarded
Undergraduate.....	John Charles Gebhard
The Ninety-Four Memorial Prize in Debate.....	Edward Eugene Dicker
The John Metcalfe Polk Prizes:	
First.....	Michael Ringer
Second.....	George Hall Hyslop
Third.....	Sophie Townsend Andrews
The Corson French Prize.....	Leah Lazar Lowensohn
The Guilford Essay Prize.....	Ernest Leopold Hettich
Honorable Mention.....	Barnet Nover
The Luana L. Messenger Memorial Prize.....	Lois Oliphant Gibbons
The Sherman-Bennett Prize.....	Che Kwei Chen
The Whiting Prizes:	
First.....	William Randolph Smith
Second.....	Jean Harwood Pattison
The Frances Sampson Fine Arts Prize.....	Margaret Collins Knapp
The James T. Morrison Prize.....	DeElbert Ernest Keenan
Honorable Mention.....	Marie Syrkin
	Desmond Stevens Powell
The Eastman Prizes for Public Speaking:	
First.....	Percy Lawrence Dunn
Second.....	Frederick Henry Bond
The Hollingworth Honorarium.....	Nathan Blau
The Fraser Senior Prize Scholarships:	
First.....	Malcolm Barrington Carroll
Second.....	Richard Harter Brown
The Jane Miller Prizes:	
First.....	Walter Jay Hall
Second.....	Arthur James Paddock
The George Chapman Caldwell Prize.....	Lee Hinchman Clark
	Andrews Clement Wintringham
The Stewart Prizes:	
First.....	Walter John Dockerill
Second.....	Hicks Warren Putman
Third.....	Douglas Deputy Merritt
Fourth.....	Floyd Cary Saunders
The Alumni Prize for Scholarship.....	Frances Van Arsdale
(The same average was attained by Iva Evelyn Miller and Frances Van Arsdale. The prize was thereupon awarded by lot.)	
The William M. Polk Memorial Prizes:	
First.....	Howard Reid Craig
Second.....	Lucy DuBois Porter

THE FIFTY-SECOND ANNUAL COMMENCEMENT

Wednesday, June 23, 1920

FIRST DEGREES

Bachelors of Arts

Conferred October 1, 1919

Louise Roberta Avant
Clifford Sherwood Bailey
Josephine Banks
Jennie Becker
Otelia Josephine Bengtsson
Samuel Herbert Bingham, jr.
Ross Garrison Bennett
Roger Crafts Brown
Alleayne Henry Bruckheimer
Thomas Burke
James Monroe Campbell
Lloyd Smith Cleveland
Jeannette Cohen
Lowell Harold Cross
Margaret Paine Crouch
Francis Cutolo, jr.
George Elton Davis
Madolin DeWitt
Ivan Chandler Dresser
Joseph Lees Eastwick
Lucretia Hinkley Ferguson
DeForest Eben Fox
Jeannette Minnie Meyerowitz Fox
Mary Irene Frank
Leo Gershoy
Gertrude Asenath Gillam
Elias Goldberg
Gertrude Louisa Gorsuch
Irene Ella Green

Ethel Ray Harrison
Frank Wesley Hawley
Jerome Jacob Jackson
Theodore Burton Karp
Henry Christian Carl Kuchler
Era Amos Ladd
Michael Lake
Harold Vincent Lalley
Jennie Elizabeth Mabee
Charles Stern Miller
*Harold Henry Moore
Harold Meade Mott-Smith, jr.
David Roger Munsick
Paul Fordham Nugent
Priscilla Bartlett Parsons
Mathilde Rosenbluth
Harriet Frances Ross
Isidor Moses Schaffer
William Graebe Schoellkopf
Edith Scott
Alpheus Waldo Smith
George Haeberle Stine
Alice Juliet Street
Marie Syrkin
Richard Frederick Uhlmann
Morton Wakeley
Milton Christian John Westphal
Samuel Corbin Whitman
Mildred Marie Wicker

Albin Yeaw

Conferred February 11, 1920

Thomas LeRoy Baugher
Earl Cluff Bonnett
Harold Charles Bonoff
Elizabeth Catherine Cady
Arthur Eldred Carpenter
Randolph Vivian Cautley
Charles Lewis Clinton
Mary Merwin Coggeshall
Louis Drago
Dorothy Margaret Harris
William Harrison, jr.
John Hart
Halsted Steelman Horner
Constance Huhn
Frederick Leopold Katz
Albert Walker Liddle

Ellen Hedwig Marx
Julius Walter Meier
Henry Clinton Strawn Perry
Willard Fiske Place
Alvin Canfield Purdy
Ida Raffier
Lydia Amanda Seager
Francis Tobey Shiverick
Frank Ward Smith
Clara Harriet Stentiford
Wilberforce Taylor
Elsie Roana Tefft
Sherman Trowbridge
Roy John Wasson
John Weaver Welles
Marguerite Jennings Williams

Conferred June 23, 1920

Charles Edwin Ackerly
Howard Bernhard Adelman
Esther Airey
Ruth Imel Aldrich
Fern Litchard Allen
Raymond Terhune Anderson
Rose Henriette André
Walter Douglas Archibald
Claudia Marie Barnes

Mable Day Barth
Samuel Hopkins Bassett
Mahlon Henry Beakes
Keith William Benson
Ruth Violet Berk
Harry Sidney Berkoff
Morris Berkowitz
Carl Hatheway Biggs
John David Blanchard

*With Honors in Economics and Political Science.

Lewis Alderman Blodgett
 Irma Kathryn Blowers
 Isadore Harris Boorstein
 Arthur Earle Booth
 Catherine Gibbons Bradley
 Chester Rounds Braman
 Harold Leslie Brayman
 Donald Edward Breckenridge
 Archibald Wray Burrell
 Charles Stanford Byran
 Edwin Firth Cadiz
 Alice Callahan
 Haidee Carl
 Clinton George Carpenter
 Charles William Carry
 Delphine Kathryn Charles
 Amos Prentice Chase
 Thomas James Clary
 Samuel Meade Coombs, 3rd.
 Edward Eugene Conroy
 Laura Clark Cook
 Jesse Sherwood Cooper
 George Bently Corby
 Christopher Minta Cordley
 John Potwin Corrigan
 Laurence Starr Cutter
 Orville Guy Daily
 Marie Dehner
 Florence Mary Dill
 Horace Kinney Diment
 Dorothy Day Dodds
 Torry DeWitt Dodson
 William Frederick Dohrmann
 Henry Turner Dorrance
 Frank Gertrude Eaton
 Adelaide Hayward Elliott
 William Hursh Farnham
 Muriel Eldra Farr
 Abraham Feitelberg
 Robert Kenneth Felter
 Elsie Margaret Ferrand
 Harold Milton Florsheim
 Paul Benjamin Franklin
 *Walter Hoyt French
 Valerie Elfrida Froesch
 George Earl Gillespie
 Madeline Fay Gilmour
 *Chauncey Jerome Gordon
 Richard Everest Gove
 William Herbert Grigson
 Benjamin Harrison Gurwitz
 Charles Brockway Hale
 Waldo Bertram Hammett
 Kristian Gosta Hansson
 Lily Hawley
 Christina Hazen
 Elfreda Curtis Heath
 Elaine Ruthe Hedgcock
 Dorothy Barbara Hieber
 Ben Walter Hirsh, jr.
 Ray Owen Hitchcock
 Albert Huntington Hooker, jr.
 Nelson Landon Hoyt, jr.
 Helen Huie
 Lee Sisson Hultzen
 Russell Hills Iler
 Marian Louise Irish
 Jacob Gersson Israel
 Silvester Arthur Jacob
 Andrew Jack
 Theodore Frederick Jaeger
 Warham Whitney Janes
 Walter Williams Jeffrey
 Mabel Sophie Jepson
 Laurence Brigham June
 Martha Kaplan
 Harold Parker Keller
 Thomas Lloyd Kelly

William Morgan Kendall
 Charles Harold King
 Irene Dorothy Kinsel
 Hyman Klein
 Emil Kline
 Willis Sackett Knighton
 Agnes Marie Kobuski
 Genevieve Eleanor Krey
 Harry Essler Kroin
 Helen Jane Lason
 Kurt Corell Lauter
 Emma Brenan Leary
 Bernard Harold Lefkowitz
 Anna Margaret Leonhardt
 Bessie Levin
 Mary Anna Linder
 Julius Livant
 Link Michael Lotter
 Harold Marshall Lufkin
 Marcia May McCartney
 John Warden McCauley, jr.
 Edith Louise McClay
 Eleanor Clara McMullen
 Horace John McNeil
 Sarah Alice McNulty
 Ruth McSparran
 Frederick Howard Vermilyea Marsh
 Doris Pauline Martin
 Walter Marx
 Frederick Arthur May
 William Bell Megeer, jr.
 Jacob Mertens, jr.
 Peter Paul Miller
 Walter Lewis Miller
 Samuel Harry Milstein
 Thomas Richard Morgan
 Mildred Muller
 Alfred Henry Narwold
 Naomi Nash
 Alice Haselton Neal
 Dudley Stephen Nostrand
 Leon Audrey Olds
 †Malcolm Fuller Orton
 Frances Mabel Otley
 Archie MacInnes Palmer
 Edward Hargrave Pattison
 Marshal George Penfield
 Russell Holt Peters
 Robert Conkling Phillips
 Robert Fletcher Phillips
 Hillel Poritsky
 Henry Fowles Pringle
 William Wilfred Protzman
 Mackey Rackow
 Ruth May Ratelle
 Ralph Tichenor Reeve
 Edward Joseph Regensburg
 Bernard Oscar Reuther
 Charles Eliot Rhodes
 *Dorrie Anwyl Richards
 Donald Everett Richmond
 John Aldrich Rodger
 Edna Mary Rogers
 Silence Rowlee
 John Davis Sauters, jr.
 Eric Theodore Schulz
 Merit Scott
 Helen Miriam Sharrett
 †Joseph Phippin Shaw, jr.
 Gertrude Mary Shelton
 Horace Arthur Sherman
 Joseph Shiffer
 Elizabeth Arnold Signor
 Israel Willard Simon
 Edith Maude Simpson
 Harry Sleichter
 Irving Carleton Smith
 Lawrence Victor Smith

*With Honors in English.

†With Honors in Economics and Political Science.

Marion Dunham Smith
 Samuel Joseph Solomon
 Charles Edward Souter
 Abraham Lewis Spitzer
 Geraldine Esther Sprague
 Grace Elizabeth Srenco
 Walter Hutchinson Stainton
 Hyman Stansky
 Kenneth Max Stewart
 George Stone, M.E.
 Henry Horner Straus
 Carol Georgiana Strong
 Emmett Thomas Sweeney
 Agda Teoline Swenson
 Sidney Monroe Teeter, jr.
 Robert White Thomas
 May Ashmore Thropp
 Carl Herbert Tibbitts
 Eva Topkins
 Leslie Bower Townsend
 Alexander Buel Trowbridge, jr.
 Thomas Turnbull, 3d.
 Louis Alexander Turner

Frances Helen Ufer
 Jeannette Ulman
 Ernest Canfield Van Keuren
 Peter Vischer
 †James Raymond Wadsworth
 Thompson Morris Wakeley
 William Allen Walker
 Cecelia Jeanette Warne
 Colston Estey Warne
 Charles Albert Warner
 Edith Warren
 Frank Carl Wetzel
 †Helen Wanda Wilcox
 Dorothy Willison
 Abraham Wincor
 Margaret Lownsbury Winfield
 Ruth Wolcott
 Anita Wolff
 Samuel Walkind
 George Dilwyn Wood
 Dorothy Elizabeth Woodruff
 †Sophie Dazian Worms
 Doris DeNard Wynkoop

Abraham Aaron Zausmer

Bachelors of Chemistry

Conferred October 1, 1919

Eugene William Beggs
 Philip Langford Davidson

Louis Mark Kamrass
 Russel Hyde Merrill
 Isidor Isaac Rabi

Conferred February 11, 1920

James Wellington Bassett
 Alfred Raymond Ebberts

Joseph Howard Flint
 Clarence Frederick Wackman

Conferred June 23, 1920

Jacob Abrahams
 Willard Riehlman Barrett
 Willard John Bartlett
 Paul Vincent Blackburn
 Edmond Nathaniel Carples
 Thomas Charles Chiavetta
 Merle Leslie Cockcroft
 Frank Cortese
 James Dodds Curphey
 Joseph Diamant
 Richard Pluymert Dyckman
 John Chubbuck Edwards
 Charles William Fischer
 William Henry Gauger
 Benjamin Frank Glasser
 Lewis Greene
 Clement Leroux Griffin
 Max Halpern

Andrew Joseph Hemmer
 Benjamin Kasakove
 LeRoy Hauck Korb
 Joseph Harris Lapin
 Joseph Lev
 Maxwell Walthour Lippitt
 Neil Francis MacDonald
 Roy Oliver McDuffie
 Willis Elwin Martin
 Stanley Marion Norwood
 Allen Baldwin Reed
 Henryk Rynalski
 Vernon Higgs Schnee
 Donald Raymond Stevens
 John Wesley Stockett, jr.
 William Leo Sullivan
 Chester Alexander Walworth
 Joseph Weingast

Morton Powell Woodward

Bachelors of Law

Conferred October 1, 1919

Frederick Eugene Bailey
 William Sabin Bennett, jr.
 Richard Harter Brown
 Clyde Christie
 William Pethick Coltman
 Louis Welton Dawson
 Edward Eugene Dicker
 James Allen Ewing
 Eugene Francis Gilligan

Herbert Arthur Goertz
 Frederic Martin Hoskins
 John Arthur Jennings
 Rose Courtney Kroener
 Samuel Herman Nelson
 George Adelbert Newbury
 Charles Frank Reavis, jr.
 Lester Max Rosenbloom
 Alfred Morton Saperston

*With Honors in English.

†With Honors in Economics and Political Science.

‡With Honors in French.

John Haviland Schmid
George Hermann Schnackenberg
Arthur Louis Sherry
Rosine Ruth Simmons
Charles Cooper Stalter

Robert Knight Story, jr.
Saul Howard Sundell
William Talbot Swanton
Harry Stanley Taylor
Guy Hemiup Wells

Conferred February 11, 1920

Lester Charles Ringe

Conferred June 23, 1920

Walter Earnest Armstrong
Paul Lataunt Bleakley
Edwin John Carpenter, jr., A.B.
Malcolm Barrington Carroll
William Henry Corwith
William Beil Daley, jr.
Mary Honor Donlon
Edward Saul Dragat
Joseph George Finklestein, A.B.
Regene Robinson Freund
Francis Livingston Harris
Lansing Southwick Hoskins
Dorothea Koch
Daniel Melvin Krauskopf
John Henry William Krogmann
Horace Rand Lamb

Randall James LeBoeuf, jr.
Jacob Meadow
Creswell MacMurray Micou
Henry Penny Murphy
Charles Victor Parsell, jr., A.B.
Benjamin Pepper, A.B.
John Rupley Schwartz
John Edward Sheriden
Aaron Simmons
Dana Conrad Smith
Benjamin Solovay, A.B.
John Laning Taylor
Lowell Homer Teeter
William Edmund Vogel
Warren Gilbert Willsey
Roswell Williams Woodworth

Bachelors of Science

Conferred October 1, 1919

Isidor Harold Bernhardt
William Elida Boshart
Carlos Eugenio Chardon
Chunjen Constant Chen
Ronald Colsten
William Daniel Comings
Robert Eadie DePue
Bernard Albert Eger
Malcolm Hinrichs Field
Daniel Kelly Hendee
John Munson Larson
John Henry LaWare
Joseph Hill Lay
Llewellyn Van Alst Lodge
Henry Herman Luning
Frederic Brettell Merrill

Douglas Depuy Merritt
William Whitmore Goodale Moir
James Mandeville Nelson
John Alvin Newlander
Norman Toivo Newton
Howard Burnship Ortner
Ralph Gorman Palmer
Walter Palmer
Francis Eugene Quick
Arnold Campbell Shaw
Hadley Carruthers Stephenson
Yu Faung Russell Sun
Paul Allen de Tamble
Colin Gilchrist Welles
William Rollinson Whittingham, 3d.
William Wiedorn

Conferred February 11, 1920

Milton Adler
Frederick Henry Alfke
Charles Baumeister
Foster Hendrickson Benjamin
Edwin Williams Biederman
Harry Jacob Borchers, jr.
Paul Ninde Boughton
Clayton Thomas Bridges
Colonel Loren Brown
Harold Gordon Brown
William Ray Buell
Jesse Milton Buzby
Richard Edgar Cary
Thomas Knight Chamberlain
Phyllis Chapman
John Harrison Clark
Edison Moore Collins
Asa Davis
William Bernard Donahue
Raymond Van Orden DuBois
Frank Lee DuMond
James Franklyn Ficken
William Roland Miller Freeman
James Ellsworth Fuller
Manly Mason Gale
Robert Malcolm Gavett

Marion Hitchcox Guiles
James Joseph Henry Harden
Harry Brooks Hoffman
George Joseph King
Bertram York Kinzey
Edward Caulfield Knapp
Ronald Glenn Knapp
Charles Edward Krey
Edwin Stevens Larrabee
Peter Elting LeFevre
Don Arthur Lidell
Elmer Fred Loveridge
Edmund Burke McGranaghan
Donald Osmond MacLeod
Walter Measday jr.
Henry Rohrer Miller
John Taylor Needham
Leo Chandler Norris
Jacob James Perlzweig
Robert Ernest Perry, jr.
Abraham Poritsky
Mark William Postman
Edwin Mitchell Prellwitz
Walter Van Price
Andrew Jackson Reynolds
Archie Hunt Robertson

Ernest Guy Robinson
 Morris Ross
 James Lee Rothwell
 Edwin Albert Rundlett
 Emmett James Ryan, jr.
 Henry Joseph Schroeder, jr.
 Howard Herkimer Strong
 George Clinton Sweet, jr.
 Charles Watson TenEick
 Harold Clyde Thomas
 Frederick William Thompson

Edward Sprague Tobey
 Stanley Armstrong Tompkins
 Frederick Tresselt
 William Lee Twichell
 Glenn Edward Upton
 Louis Ezra Wenz
 Donald Bower Wilson
 John Charles Witkop
 William Palmer Woodcock
 Louis Arthur Wuest
 Jacob Zuckerman

Conferred June 23, 1920

Simon Meyer Abrahams
 Helen Acomb
 Nathan Everett Aldrich
 Andrew Alvord Baker
 Zeno Hugo Baldelli
 George Crook Baldwin
 Warner Frank Baldwin
 Raymond Griswold Ballard
 Thomas Jefferson Barlow
 Winnie Mae Barrett
 Stephen Stanley Beach
 Allan Russell Bean
 Martin Grinnell Beck
 James McPherson Beiermeister
 Raymond William Bell
 Edwin Blake Bickford
 Herbert Martin Blanche
 Helen Matilda Blodgett
 Irene Brewster
 Frances Rosalie Brock
 Randolph Milton Brown
 Dudley Malcolm Browne
 Violet Florence Brundidge
 Gladys Adelle Bryne
 Lloyd Day Bucher
 James Marshall Budd
 Ambrose Matson Burroughs
 Dorothy Markham Button
 John Wesley Campbell, jr.
 Pearl Edith Champlin
 Abraham Moses Coan
 Miriam Harriett Cohn
 Charles Ward Comstock
 Cora Elizabeth Cooke
 Howard Crandall
 Katherine Elizabeth Crowley
 Bryant Depew Dain
 Evalina Bowman Darling
 Edward Davenport
 Esther Clara DeGraff
 Alberta Dent
 Grace Katherine Dimelow
 Sidney Clark Doolittle
 Stanley Brittain Duffles
 Walter Irving Lincoln Duncan
 George Eugene Durham
 Bryan Munroe Eagle
 J. Scott Eiler
 Thera Emerson
 Kenneth Charlie Estabrook
 Llewelyn Price Evans
 Arthur Joseph Feehan
 Edward Berent Fernschild
 Ethel Margaret Fortune
 Arthur Israel Frucht
 Harold Van Marter Fuller
 Ruth Rebecca Geisenhoff
 Charles Gelber
 Samuel Colver Gist, jr.
 George Benedict Gordon
 Frederick Kenneth Gorke
 Robert Sylvester Green
 Mary Hulda Griffin
 Leo Guentert
 Gladys Marie Hall
 Louise Margaret Hamburger
 Alfred Graham Hancock

Elias Earl Harding
 Hazel Harmon
 Galen Butts Harrison
 Scott Woodring Hartman
 Emin Hassan
 Harriet Evelyn Hendryx
 Gladys Ethel Herrick
 Helen Marguerite Hess
 Lawrence Davison Hiett, A.B.
 Marcia Marie Hillidge
 Willard Rudolph Bernard Hine
 Harry Freeman Holmwood
 Willard Douglas Hopkins
 Ira Harold Houston
 Gertrude Hughes
 John Charlton Hunter
 Lowell Shirley Huntington
 Alberta Johnson
 Clarence Johnson
 Naomi Cecelia Jones
 Frederic Ernest Kast
 Julia Mildred Keet
 Doris Alice Kinde
 Will Carleton Kinney
 Henry Nathaniel Klein
 Doris Frances Lake
 Enrique Landron, jr.
 John Frederick Lane
 Donald Ethelbert Leith
 Everett Winfield Lins
 Russell Robbins Lord
 Franklin Gerald Ludington
 Robert Louis McNitt
 Matthew Vetanes Manoukian
 Kurt Arnold Mayer
 Charles Henry Merchant
 Dudley Rae Merrill
 Vivian Agnes Merrill
 Clara Katharine Miller
 Iva Evelyn Miller
 Hilda Josephine Moline
 Olive May Monroe
 Mary Eastman Moore
 Channing Hawkes Morrill
 Donald Evan Morris
 Robert Porter Morris
 Cornelia Adele Munsell
 Forrest Prince Nelson
 Floyd Lorrain Northrop
 Ruth Hammond Nye
 Francis John Oates
 George Putnam O'Brien
 Glenn Charles Palmer
 Rodney Wesson Pease
 Charles Clifford Perce
 Charles Ainslie Phillips
 Edward Lorenzo Plass
 George Fitz Randolph Pollard
 Leonard Lee Poore
 Patrick Francis Powers
 David Proushan
 Martha Edith Quick
 Marion Electa Rice
 Guy Rickard
 Helen Rider
 Lloyd Otis Robertson
 Orson Rupert Robson

Ward Arthur Rodwell
 Minna Gesine Roesse
 Louise Martha Roux
 Austin Wertman William Sand
 Lloyd Herman Schroeder
 Louise Alma Schuyler
 Thomas Robert Schweitzer
 Francisco Sein-Cebollero
 Ralph Shemin
 Emily Eloise Shepard
 Marion Kathryn Shevalier
 Charles Kerr Sibley
 Henry Clay Smith
 Louis Edward Smith
 R. Wallace Smith
 Walker Smith
 Alexander Robert Smoley
 George Almond Spader
 George Harold Stanton
 William Secord Stempfle
 Howard Arthur Stevenson
 Elmore Becker Stone
 Clayton Charles Taylor

Emery Boyce TerBush
 Reed Pelton Travis
 Frances Van Arsdale
 Louis Bristol Van de Boe
 Jesse T. Van Doren
 Loraine McNeill Van Wagenen
 Sarah Lamont Van Wagenen
 Henry Vettel
 Robert Morris Volkert
 David Wagner
 Vernon Wils Wagner
 William Arthur Wall
 William Dwight Warren
 John Murker Watt
 Lois Irene Webster
 Simon Weiss
 Florence Elizabeth White
 Karin Andreevna White, A.B.
 Francis Cressy Wilbur
 Harold George Wolf
 William Edward Frost Wright
 Reuben Robert Zilevitz
 Lois Annette Zimmerman

Mabel Lucy Zoller

Doctors of Veterinary Medicine

Conferred June 23, 1920

James Henry Brink
 Clifford Dean Carpenter
 William Jerome Conlin
 Edward Raymond Cushing
 Leonard Joseph Desson
 Charles Eugene Duncan
 Myron Gustin Fincher
 Kenneth Schuyler Friderici
 Orland Edward Helms
 Roy C. Johnston
 John Laughlin
 Earl James McBride

Robert Asa McKinney
 Herbert Edward Marsh, B.S. in Agr.
 Adrian Morse Mills
 Ellis Lindsey Montfort
 Donald Linus Pease
 Aubrey Eugene Robinson
 Alden Hesseltine Russell
 Earl D. Smith
 Hadley Carruthers Stephenson, B.S.
 John Sturrock, B.S.
 James Richard Varley
 Floyd Henry White

Raymond James Wilkinson

Bachelors of Architecture

Conferred February 11, 1920

Morrison Kyle Bailey

Herbert Howe Buck
 George Herbert Smith

Conferred June 23, 1920

Maurice Burton Baldwin
 Kenneth Carver
 Natalie Woodland Duncan
 Carl Ferdinand Eschweiler
 Boyd Tinsley Hill
 Charles Albert Holcomb
 Ralph Donald Huszagh
 Elmer Franklin Kinsman
 John Vincent Larkin
 Arthur Louis Martself

Leslie Irving Nichols
 Pablo Benigno Oteiza
 Earl Purdy, B.S.
 Clifford Daniel Quick
 Richard Perrien Raseman
 Coleman Hobart Sherwood
 Robert William Stevens
 Robert Bruce Warden
 James Spaulding Whitman
 George Alvoyd Yeomans

Bachelors of Science in Architecture

Conferred October 1, 1919

Wallace Pearne Beardsley

Conferred February 11, 1920

Carl Victor Johnson

Conferred June 23, 1920

Henry Bishop Pentland

Civil Engineers

Conferred October 1, 1919

Willard Stillwell Foster
 Thomas Baird Holt
 Floyd Woodworth Hough

Charles James Howell, jr.
 Raul Lucchetti
 John Waller Morton
 Edward Prettyman

Conferred February 11, 1920

Thomas Fletcher Cochran
 Joseph Seth Engel
 Fred Crumb Griffith
 Abbot Philip Herman
 Berkeley Johnson

George Edgar Knowlton, jr.
 George Willis Lord
 Joseph Needle
 Joseph Murray Smook
 Charles Curtis Woodruff, jr.

Conferred June 23, 1920

Nathan Baier
 Henry John Benisch
 Ralph Stamp Bennett
 Robert Brigham Bowles
 Joseph Howard Christian
 Robert Vernon Clapp
 Leon Gibert Clay
 James Richard Cook
 Charles Marshall Cormack
 Harold Day
 Albert Otto Degling
 Olive Wetzel Dennis
 Vidal Ducasse
 Alexander Schulz Eisenbrandt
 Benjamin Eisner
 Alfred Lester Fay
 Harold Snedaker Fisher
 Benjamin Fishman
 Eduard Fritz, jr.
 Walton Anton Henry Grantz
 Bernard James Harrison
 Herbert William Keating Hartmayer
 Carl Jay Hasbrouck
 Morris Whitney Herriman
 Emanuel Hirsch
 Alger Eugene Hunkin
 Boleslaw Bertrand Ivanek

Henry Hunter Jones
 Louis Weinman Joseph
 Herbert Harrington Linnell
 John Peter MacBean, jr.
 Gordon MacKellar
 Harold Irving MacKen
 Vincent McLoughlin
 Wilbur Oscar Manchester
 Philip Munisteri
 William Otis Neafie
 David George Nethercot
 Earl Francis O'Brien
 David Antes Ruhl
 Robert Schempf
 Robert Huber Schroeter
 Van Brunt Seaman
 Lacy Lambert Shirey, B.S.
 Alger James Smith
 Joseph Edward Smith
 Marcus Sorokin
 William Spivak
 John Howard Stalker
 Ernest William Steel
 Joseph Albert Thomas
 Paul Milton Van Camp
 Paul Iretus Van Valkenburg
 Aaron Van Duzer Wallace, jr.
 Randolph Cooper West

Mechanical Engineers

Conferred October 1, 1919

Peter Antonelli
 Harold Perkins Bentley
 Jo Harnly Cable
 Stanley Hurlbutt Cady
 Henry Arthur Collin
 Jaques Van Brunt Cropsey
 Wilbur T. Driver
 Henry Willard Hubbell
 Edwin Waldorf Kleinert
 Horace William Leet
 James Armand Meissner

Stanley Mott-Smith
 Edward Belmer Nickles
 Wallace Blanck Quail
 Harold Raynolds
 James McKendree Reiley, jr.
 Luther Locke Richardson
 Daniel Salmow
 Alonzo Morton Seymour
 Robert Potter Aiken Taylor
 Malcolm Harley Tuttle
 Howard Clifford Young

Conferred June 23, 1920

Felix Leiser Alcus
 Howard George Allen
 David Preston Ayars, jr.
 Walter Arthur Baer
 Walter David Baer
 Donald Duncan Ballard
 Robert Gilbert Barnes
 Alan Hendrie Beggs
 Benjamin Wesley Beyer, jr.
 George King Bishop
 Myron Philip Brandel

Lawrence William Breck
 Oswald Cammann Brewster
 Edward Howey Brown
 Wesley Bennett Brown
 Robert Charles Bryant
 Ralph Raymond Bush
 Harold Caminez
 Hugh Roderick Carr
 Juan Leopoldo Carrasco-Calvo, A.B.
 Edward Beverly Cary
 Kuo-Tung Chao

Warren Hines Clarke
 Walter Ford Conable
 Clarence Dally Coulter
 George Ernest Cross
 Aubrey Raymon Curry
 George Graydon Curtis
 Arthur Herbert Dalzell
 Alvin William Dechert
 Morse Grant Dial
 Cortlandt Beckman Donaldson
 George Frederick Ensforth
 Edward Raymond Ewing
 Paul Rober Eyrich
 William Edward Finkernagel
 Harold John Fischer
 Howard Stockman Fisher
 Frank Anthony Fratanduono, jr.
 Hector Gandia
 Clifford Ronald Garmey
 Edward Ridley Gerken
 William Rose Gibbon
 William Stratton Hadaway
 Maynard Erwin Hall
 Herman Halperin
 Joseph Perry Havey
 Arthur Williams Hequembourg
 Edward Grant Hequembourg
 Norman Shirley Hoff, B.S. in E.E.
 Percy Robert Holmes
 Carroll Livingston Homan
 William Earnest Karg
 Linus Emerson Kittredge
 Edwin Knauss
 Alfred Charles Koehler
 Chester Allen Rock Kurtz
 James Boniface Lavin, B.S. in E.E.
 Daniel Clarence List
 William Littlewood
 George Harold McCarthy
 Donald Fisher McClure
 Dwight Leeds McNulty
 Albert Robert Francis McVean
 Leo Valentine Markthaler
 Lester Finney Merrick
 Raymond Nathaniel Merrill

Gordon John Mertz
 Enrique Molinet
 Charles Blake Moran
 Jesse Lincoln Myers
 Sol Joseph Rexwood Nadler, B.S.
 George Lansing Noble
 Charles Herrick Osborne
 Willis Edgar Penfield
 Randall Brockner Purdy
 Dwight Boutwell Ranno
 Theodore George Rapp
 Stuart Arthur Read
 Kirk Mendenhall Reid
 Almon Wentworth Reynolds
 William Edwin Richmond
 Hamilton Harvey Roberts
 Frederic Lexington Ruoff
 Phil Ryan
 William Stouffer Schmidt
 Sol Schwartzreich
 McNeir Smith
 Maurice Frank Smith
 Hobart McKinley Spicer
 Stanley Consider Stacy, A.B.
 Harland Hubbard Stewart
 Kopple Tennygold
 Richard Philip Toussaint
 Joseph David Trethaway
 Walter Arnold Tyler
 Raymond Adams Van Sweringen
 Kenneth Hastings Van Valkenburg
 Michael Chinchilla Varona
 Frank Louis Verwiebe
 Walter Eugene Voinet
 Aquila Nebeker Volkhardt
 Frederic Moore Watkins
 Richard John Watters, jr.
 Thomas Graecen Weillepp
 Michael Binder Weinberg
 Claude Miller Weinheimer
 Edgar Greaves White
 Robert Morris White
 Arthur Snow Whittimore
 Neil Matthew Willard
 Kam Yuen Wong

Eugene Francis Zeiner

WAR ALUMNI

(The Certificate of War Alumnus is conferred by the Trustees on the recommendation of the Faculty in recognition of patriotic service. It conveys all the rights and privileges of an Alumnus of the University.)

George Estrate Athana
 Charles Baskerville, jr.
 Lewis Benedict, jr.
 George Alden Benton, jr.
 Chester Wright Bissell
 Edward Browning Blue
 Willard Wilson Bushman
 Joseph Champ Carry
 Dwight Russell Chamberlain
 Percival Lemon Clark
 John Wesley Craig
 James Howell Cummings, jr.
 Stewart Allerton Cushman
 Richard Ferris Durham
 Harold James Eckley
 Willard Ingham Emerson
 Gustav Erbe, jr.
 Elbert Russell Fisher
 Roger Wolcott Hooker

Stanley Johnston Hungerford
 Weston Morse Jenks
 Victor Rossman Kaufmann
 Harold Clark Kennedy
 Frank Carlton Kingsland
 Raymond James Lally
 Alexander Miller
 John Leo Murphy
 Brainerd Cleveland Norton
 John Seiberling Pflueger
 Kelvin Norman Sachs
 Watson Lewis Savage, jr.
 Wayne Colfax Selby
 Charles Hart Spencer, jr.
 Francis Marvin Sutton, jr.
 Ledcreich Stuart Vance
 Paul Wanser
 Abraham Edward Weinstein
 Stanley Griswold Wight

Byron Earle Wrigley, jr.

ADVANCED DEGREES

Master of Arts

Conferred October 1, 1919

- Gladys Katherine Bleiman, A.B.: Philosophy; Ethics. Thesis: The development of the idea of reason in Greek philosophy.
 David Clark Cabeen, A.B.: French; Spanish. Thesis: The literary criticism of M. Anatole France.
 Christianna Smith, A.B.: Histology and Embryology; Pathology; Bacteriology. Thesis: A study of the lipid content of the kidney of the cat.
 Jay R. Traver, A.B.: Insect Ecology; Aquiculture. Thesis: The life history of the black-nosed dace (*rhinichthys atronasus*).

Conferred February 11, 1920

- Alfred Edwards Emerson, B.S.: Biology; Systematic Entomology. Thesis: The termites of Kartabo Point, British Guiana, and their biology.
 Mitchell Stokes Lurio, A.B.: Applied Mathematics; Pure Mathematics. Thesis: Elastic cylinders subject to torsion.
 Herbert Saphir, A.B.: Geometry; Mathematical Analysis. Thesis: Commutative involutory transformations.

Conferred June 23, 1920

- Che Kwei Chen, A.B.: Statistics; Economics and Finance. Thesis: The development of vital statistics in England and Wales.
 Helen Genevieve Corwin, B.A.: Zoology; Botany. Thesis: A study of the Cornell University collection of lizards from the southwestern United States.
 Florence Mary Dill, A.B.: English Literature; English Language. Thesis: The poetical structure of Milton's *Paradise Lost*.
 Guy Carleton Bayley Dolson, A.B.: English Literature; English Language. Thesis: The Consolation of Philosophy of Boethius in English Literature.
 Louis Gortschalk, A.B.: Modern European History; Ancient History. Thesis: The development of the republican idea in Jean Paul Marat.
 Geraldine Mary Magdalene Helfter, A.B.: Literary Criticism; Old English. Thesis: Sievers on the melody of speech.
 Barnet Nover, A.B.: Modern European History; American History. Thesis: Saint-Just and the French Revolution, 1767-1793.
 Katharine Thorp, A.B.: English Literature; English Language. Thesis: A pleasant comedy called *Wily beguiled*.
 Shih Tung, A.B.: Psychology; Education. Thesis: The psychological integration of cold and pressure.
 Louis Alexander Turner, A.B.: Physics; Organic Chemistry. Thesis: An X-ray investigation of the dehydration of copper sulphate crystals.
 Milton Christian John Westphal, A.B.: Semitic Languages and Literatures; Philosophy. Thesis: The God-conception in early Hebrew literature.
 Ruth Agnes Yeaton, A.B.: Physics; Chemistry. Thesis: The effect of the age and the concentration of a solution upon the photo-electric current developed.

Masters of Science

Conferred October 1, 1919

- Sara Bache Wiig, A.B.: Pomology; Plant Pathology. Thesis: The graftage of fruit trees.
 Edward Adolf Schmoker, D.V.M.: Obstetrics; Bacteriology. Thesis: The cervix of cattle in health and disease.

Conferred February 11, 1920

- Livingston Blauvelt, A.B.: Poultry Husbandry; Animal Husbandry. Thesis: Some factors affecting humidity in pens of the domestic fowl.

Conferred June 23, 1920

- Howard Bushnell Allen, B.S.: Rural Education; Farm Management. Thesis: Teaching of farm record-keeping in vocational agriculture.
 Paul Andrew Downs, B.S.: Dairy Industry; Agricultural Chemistry. Thesis: The bacterial flora of powdered milk.
 Francisco M. Fronda, B.Agr.: Poultry Husbandry; Animal Husbandry. Thesis: A study of the effects of various rations fed to breeding hens.
 Herbert Lester Gilman, D.V.M.: Veterinary Bacteriology and Pathology; Veterinary Obstetrics. Thesis: The histology and pathology of the oviduct of the cow.
 Chi-ting Kwei, B.A.: Experimental Physics; Theoretical Physics. Thesis: Detection of short electric waves.
 Giovanni Martinaglia, V.S., B.V.Sc.: Veterinary Bacteriology; Pathology. Thesis: The direct isolation and cultivation of human, bovine, and avian tubercle bacilli.

- Merl Perrott Moon, A.B.: Dairy Industry; Organic Chemistry. Thesis: Methods of grading milk at a city milk plant.
- William Marion Pierce, A.B.: Experimental Physics; Theoretical Physics. Thesis: Electrolytic capacity of platinum electrodes in an alcoholic solution of rhodamine B.
- Marian Randolph Priestley, B.S.: Animal Husbandry; Veterinary Physiology. Thesis: The vitamine efficiency of raw and boiled milk.
- Moacyr Alves de Souza, Medico-Veterinario: Veterinary Pathology; Veterinary Bacteriology. Thesis: A study of fatty degeneration in the parenchymatous organs of domestic animals.

Masters of Science in Agriculture

Conferred October 1, 1919

- Charles Burt Gentry, A.B., B.S. in Ed.: Rural Education; Farm Management. Thesis: Teaching vocational agriculture in the high school through the use of the survey.
- Lloyd Wesley Steelman, B.S.: Poultry Husbandry; Political Economy. Thesis: How cold storage affects the price of fresh eggs.

Conferred February 11, 1920

- Ward Charles Jensen, B.S.: Farm Crops; Botany. Thesis: A survey of the bean production in western New York.
- Gordon Kennedy Middleton, B.S.: Farm Crops; Plant Physiology. Thesis: The principles of intertillage.

Conferred June 23, 1920

- Vigfus Asmundson, B.S.A.: Poultry Husbandry; Plant Breeding. Thesis: The relation of the keel bone to egg production.
- William Harold Brittain, B.S.A.: Economic Entomology; Systematic Entomology. Thesis: The green apple bug—*lygus communis* var. *novascotiensis* Knight.
- Lewis Arthur Eyster, A.B.: Plant Breeding; Systematic Botany. Thesis: A case of reduced vigor in a cross between two varieties of *linum usitatissimum* L.
- John Lewis Earl McCord, B.S.: Farm Management; Animal Husbandry. Thesis: Some results from a farm management survey of thirty-seven farms in Jefferson County, Pennsylvania.
- Louis Harold Schwarte, B.S. in Agr.: Animal Husbandry; Dairy Industry. Thesis: The factors affecting the market price of beef cattle for the ten-year period, 1910-1920.
- Gates Sterling Vickers, B.S.: Poultry Husbandry; Rural Education. Thesis: A study of some factors affecting egg production.
- William Jack Weaver, B.S.: Rural Education; Farm Management. Thesis: A study of conditions in Livingston County, New York, affecting the establishment of departments of vocational agriculture.

Masters of Landscape Design

Conferred October 1, 1919

- Joseph Pullman Porter, B.S.: Landscape Design; Plant Materials. Thesis: Landscape Architecture: Its relation and application to the country and village schools of New York State.

Conferred June 23, 1920

- Norman Newton, B.S.: Landscape Design; Planting Design. Thesis: Woodlawn, a residential property near Ithaca, New York.

Masters in Forestry

Conferred June 23, 1920

- Perkins Coville, B.S.: Silviculture; Forest Protection. Thesis: Silvicultural problems in the management of forests of the Adirondack hardwood type.
- John Samuel Everitt, B.S.: Forest Management; Forest Protection. Thesis: Working plan for a communal forest for the city of Ithaca, New York.
- Samuel Chadwick Sweeney, B.S.: Silviculture; Forest Management. Thesis: Forest planting reconnaissance and survey.

Masters of Civil Engineering

Conferred October 1, 1919

- Chia Yuen Hou, A.T.E.C.: Bridge Engineering; Railroad Engineering. Thesis: A study of the development of the cantilever and the steel-hinged arch bridge.
- Hoong Kwie Yen, B.C.E.: Railroad and Highway Engineering; Sanitary Engineering. Thesis: A study of the economics of railway location.
- Nai Zung Zee, B.S. in C.E.: Hydraulic Engineering; Railroad Engineering. Thesis: A study of methods of flood relief.

Conferred February 11, 1920

- Shih Ta Hsu, B.S. in C.E.: Hydraulic Engineering; Sanitary Engineering. Thesis: A study of methods of flood control with special reference to the use of reservoirs.
 Ching Hsien Wang, C.E.: Bridge Engineering; Hydraulic Engineering. Thesis: A study of the design and construction of swing highway bridges.
 Percy Suydam Wilson, C.E.: Hydraulic Engineering; Mechanics. Thesis: An experimental study of the venturi meter principle applied to open channels.
 Chilton Austin Wright, C.E.: Experimental Hydraulics; Hydraulic Engineering. Thesis: An experimental study of the venturi meter principle applied to open channels.

Conferred June 23, 1920

- Douglas Stewart Ellis, A.B., B.Sc., M.A.: Hydraulics; Concrete Construction. Thesis: The regulation of the outflow of Lake Ontario.
 Henry Robertson Lordly, C.E.: Experimental Engineering; Concrete Construction. Thesis: Experiments with piles in clay.
 I. Hsiang Pei, A.T.E.C.: Railroad and Highway Engineering; Sanitary Engineering. Thesis: Design of a subway system for Shanghai, China.
 Zung Kun Ting, B.S.C.E.: Railroad Engineering; Hydraulic Engineering. Thesis: A study of the development and economy of railway construction in the United States.
 Chia Tsun Yeh, B.Sc.C.E.: Highway Engineering; Landscape Art. Thesis: A proposal for the development of the Chinese national highway system.

Masters of Mechanical Engineering

Conferred February 11, 1920

- Liang Hua Shen, M.E.: Electrical Machinery; Power-Plant Design. Thesis: Leakage flux of polyphase induction machines.

Conferred June 23, 1920

- Tuh Siu Huang, B.Sc. in E.E.: Electrical Engineering; Mathematics. Thesis: The electrification of the Raton grade of the Atchison, Topeka, and Santa Fé Railroad.
 Wei-Yoh Wu, B.S. in E.E.: Electrical Engineering; Physics. Thesis: The unification of electrical power supply in the Pittsburgh district.

Doctors of Philosophy

Conferred October 1, 1919

- Frank App, B.S.: Farm Management; Plant Physiology; Farm Crops. Thesis: Farm profits and factors influencing farm profits on 370 potato farms in Monmouth, New Jersey.
 Jesse Franklin Bradley, A.B.: Elizabethan Literature; English Language; Philosophy. Thesis: The Jonson Allusion Book: A collection of allusions to Ben Jonson from 1597 to 1700.
 Frank William Douglas, A.B., A.M.: Inorganic Chemistry; Analytical Chemistry; Sanitary Chemistry. Thesis: The chemistry of germanium.
 Daniel Scott Fox, B.S.: Farm Crops; Farm Management; Cost Accounting. Thesis: An analysis of the cost of growing potatoes.
 Walter Norton Hess, A.B., A.M.: Insect Morphology; Economic Entomology; Zoology. Thesis: Studies on the lampyridae.
 Clarence Hamilton Kennedy, A.B., A.M.: Insect Morphology; Systematic Entomology; Vertebrate Zoology. Thesis: A study of the phylogeny of the zygoptera.
 George Merritt Robison, A.B., A.M.: Mathematical Analysis; Geometry; Physics. Thesis: Divergent double sequences and series.
 Hubert Sheppard, A.B., A.M.: Psychology; Anatomy; Mathematics. Thesis: Foveal adaptation to color.
 Fred Waldorf Stewart, A.B.: Histology and Embryology; Physiology; Zoology. Thesis: The development of the cranial sympathetic ganglia in the rat.
 Roy Glen Wiggins, B.S., M.S. in Agr.: Farm Crops; Plant Breeding; Plant Physiology. Thesis: A classification of the cultivated varieties of barley.
 Ralph W. G. Wyckoff, B.S.: Inorganic Chemistry; Physical Chemistry; Analytical Chemistry. Thesis: The crystal structures of caesium dichloroiodide and of sodium nitrate.
 Benjamin Percy Young, B.S., M.S.: Insect Morphology; Ecology; Zoology. Thesis: The attachment of the abdomen to the thorax among diptera.

Conferred February 11, 1920

- Murray Wright Bundy, A.B., A.M.: Literary Criticism; Elizabethan Literature; Philosophy. Thesis: Fancy and imagination in classical and mediaeval thought.
 James Thomas Cusick, B.S.: Agricultural Chemistry; Dairy Bacteriology; Sanitary Chemistry. Thesis: Phosphorus in butter.
 Harry Wilmer Dye, B.S., M.S. in Agr.: Plant Pathology; Plant Breeding; Plant Physiology. Thesis: Two diseases of western New York lettuce; the bottom-rot and the stunt.
 William Henry Eyster, A.B., A.M.: Plant Breeding; Plant Histology; Systematic Botany. Thesis: The linkage relations of the factors for tunicate ear and starch-sugary endosperm in maize.

- Louis Benjamin Hoisington, B.A.: Psychology; Educational Psychology; Mathematics. Thesis: On the non-visual perception of the length of lifted rods.
- Gordon Peter McRostie, B.S.A., M.S. in Agr.: Plant Breeding; Plant Pathology; Soil Technology. Thesis: Inheritance of disease resistance in the common bean.
- Cheves West Perky, B.S.: Psychology; Philosophy; Physiology. Thesis: An experimental study of the imagination.
- Michael Jacob Zigler, A.B., A.M.: Psychology; Education; Physiology. Thesis: An experimental study of visual form.

Conferred June 23, 1920

- Oliver Morley Ainsworth, B.S.: English Literature; Old English; Greek. Thesis: Milton's Tractate of Education. Edited with an introduction and notes.
- Ernest Gustaf Anderson, B.Sc.A.: Plant Breeding; Plant Histology; Organic Chemistry. Thesis: The inheritance of salmon silk color in maize.
- Roy David Anthony, B.S., M.S. in Agr.: Plant Breeding; Pomology; Plant Physiology. Thesis: Asexual inheritance in the violet.
- Gerhard Baerg, A.B., A.M.: German; Education; French. Thesis: The supernatural in the modern German drama.
- Austin Bailey, A.B.: Experimental Physics; Theoretical Physics; Physical Chemistry. Thesis: A study of the effect of adsorbed gas on the high frequency resistance of copper wire.
- Homer Guy Bishop, B.S., M.S.: Experimental Psychology; Physiology; Educational Psychology. Thesis: An experimental investigation of the positive after-image in audition.
- Claire Comstock, A.B., A.M.: Experimental Psychology; Education; French. Thesis: An experimental study of meaning and imagery.
- Lyda May Degener, A.B., A.M.: Comparative Anatomy and Morphology; Human Physiology; Botany. Thesis: The development of dentary bone and teeth in the lower jaw of *Amia calva*.
- Forrest Lee Dimmick, A.B.: Psychology; Educational Psychology; Physiology. Thesis: Visual movement and the phi phenomenon.
- Vining Campbell Dunlap, A.B., A.M.: Botany (Mycology); Botany (Ecology); Systematic Zoology. Thesis: Studies of development in the genus *Pleurotus*.
- Laura Florence, B.Sc., B.A., M.A.: Insect Morphology; Insect Ecology; Pathology and Bacteriology. Thesis: The hog louse, *Haematopinus suis*, Linné: Its biology, anatomy, and histology.
- Florence Merritt Foster, A.B.: English; Greek Philosophy; Logic and Metaphysics. Thesis: Materials for a study of Wordsworth's theory of fine art.
- John William Hebel, A.B., A.M.: Elizabethan Drama; English Poetry; Philosophy. Thesis: The plays of William Heminges.
- Robert Thomas Holland, B.D., A.M.: Psychology; Education; Physiology. Thesis: The after-image of pressure.
- Major Edward Holmes, A.B., A.M.: Inorganic Chemistry; Physical Chemistry; Economic Geology. Thesis: Contributions to the chemistry of the hydronitrogens and pernitrides.
- Edwin Fraser Hopkins, B.S.: Plant Pathology; Plant Physiology; Physical Chemistry. Thesis: The botrytis blight of tulips.
- Marguerite Witmer Kehr, B.A., M.A.: Education; Philosophy; Psychology. Thesis: A comparative study of the curricula for men and women in colleges and universities of the United States.
- John Frederick Klein, A.B., A.M.: German Literature; Germanic Philology; French Literature. Thesis: Beiträge zu Paul Heyeses novellentechnik.
- Harry E. Knowlton, B.S.: Plant Physiology; Physical Chemistry; Pomology. Thesis: Studies in pollen with special reference to longevity.
- Abbie Findlay Potts, A.B., A.M.: English Literature; Old English; Greek. Thesis: The ecclesiastical sonnets of William Wordsworth. A critical edition.
- George Elmore Reaman, B.A., M.A.: Education; Rural Education; Rural Economy. Thesis: A method of teaching English to foreigners.
- Harvey Elmer Stork, A.B., A.M.: Botany (Mycology); Botany (Morphology and Embryology); Vertebrate Embryology. Thesis: Biology, morphology, and cytoplasmic structure of aleurodiscus.
- Alice Helen Sullivan, A.B., A.M.: Psychology; Education; Physiology. Thesis: An experimental study of kinaesthetic imagery.
- Frank Burkett Wann, A.B.: Botany; Plant Cytology; Biochemistry. Thesis: The fixation of free nitrogen by green plants.
- Walter Housley Wellhouse, A.B., A.M.: Economic Entomology; Entomology; Zoology. Thesis: The insect fauna of the genus *Crataegus*.

DOCTORS OF MEDICINE

(Conferred June 10, 1920, at the Twenty-Second Annual Commencement of the Medical College in New York City.)

Flora Adams, A.B.
 Harold Biscoe Adams, B.S.
 Elsie Anna Sophie Barthel, B.S.
 Robert J. Beck, A.B.
 Harold Stewart Belcher, A.B.
 Donald Chesbrough Bell, A.B.
 Ralph Blumberg, A.B.

Emma Irene Boardman, A.B.
 Mary Frances Brew, A.B.
 Chauncey Fairfield Brown, A.B.
 Howard Newton Cooper, A.B.
 Raymond Solomon Crispell, A.B.
 *Alexander George Davidson, B.S.
 Wilson Farnsworth Dodd, Litt.B.

*Honor Roll.

*Richmond Douglass, A.B.
 Rufus Lee Dufree, A.B.
 Russell Sweetser Ferguson, A.B.
 Thomas Morton French, A.B.
 Margaret Evelyn Fries, A.B.
 Walter Isaac Galland, A.B.
 Maurice Gelb, B.S.
 Abraham Roscoe Harber, B.S.
 Frank West Harrah, A.B.
 *Meyer Mathews Harris, B.S.
 *Louis Hodes, B.S.
 Phoebe Doris Hoffman, A.B.
 Miles Ernest Holsted, A.B.
 Thomas Bernard Joyce, A.B.
 Abraham Landy, B.S.
 *Samuel Zachary Levine, A.B.
 Arturo Martinez, A.B.
 Laura Miller, A.B.

Stella Miriam Miller, A.B.
 Maxwell Mitchell, B.S.
 Harry Ernest Montero, B.S.
 Cora Hennen Morris, A.B.
 Margaret Hathaway Nelson, A.B.
 Walter Francis Phelan, A.B.
 Barrett Pincus, B.S.
 George Joseph Plehn, A.B.
 Mary Reesor, B.S.
 Georgia Reid, A.B.
 *Paul Reznikoff, B.S.
 Edwin Philip Russell, A.B.
 Ernest Frederick Russell, A.B.
 Anne May Seligman, A.B.
 Jacob Smith, B.S.
 Nathaniel Brown Stanton, A.B.
 John Edward Sutton, jr., A.B., A.M.
 Guy William Wells, Ph.B.
 Frederica Winestine, A.B.

WAR ALUMNI OF CORNELL UNIVERSITY

Students of Cornell University, not holders of an academic degree, who died in the national service.

Emanuel Abel, '18
 Joseph Addison Abrams, '07
 Spencer Thorndyke Alden, '18
 Eugene Wex Allen, '20
 Howard Emerson Ames, '73
 Thomas Dwyer Amory, '16
 Charles Blanchard Beck, '19
 Joseph Albert Bettenhausen, '21
 Merrill Blanchard, '18
 Harold Bartlett Bradley, '16
 Edward Lauriston Bullard, '20
 Walton Harold Burns, '18
 Howard Jackson Bush, '20
 John Francis Callahan, '09
 William Graham Carmack, '19
 Mervin Case, '19
 William Cairns Chisholm, '22
 Eugene Arthur Conklin, '12
 Glendyn Lionel Cloran, '13
 Otis Davey, '13
 Hugh Mackey Davis, '12
 Lindley Haines DeGarmo, '12
 Herbert Stiles Douglass, '18
 Frederick Lewis Drake, '18
 John Fritz Dressor, '22
 Jeremiah James Driscoll, '17
 Stewart Emmet Edgar, '13
 John Harold Embree, '20
 Charles Glenn Esty, '19
 Thomas Henderson Farnsworth, '18
 Horace Baker Forman, 3d, '18
 Frank Harris Gardner, '13
 Daly Rado Gass, '16
 Gilbert Sage Gibson, '20
 Duncan Ross Grant, '18
 Henry William Gundlach, '17
 Arthur Gerald Haen, '19
 Charles Baldwin Hagadorn, '86
 George Morris Hammond, '18
 William Haggood, '08
 Oscar Emil Hellquist, '17
 Harry Samuel Herr, '17
 Milton Howard Hogel, jr., '20
 Allen Damon Honeywell, '19
 Richard Judson Hoyt, '20
 Clayton Caskey Ingersoll, '18
 Henry Ingersoll Ingersoll, '16
 Raymond Saylor Jeffers, '12
 Simon Katzenstein, '19
 Paul Kennedy, '17
 John William Klein, jr., '16
 James Carter Knapp, '20
 Thomas Graham Knudson, '18
 Richard Parmely Kraus, '20
 Melville Kurzman, '19

Louis Heyward Lathrop, '16
 John Edward Ludford, '18
 Malcolm Wright McAlpine, '18
 John Murray McClellan, '18
 Frank Wyckoff McCullough, '20
 James Augustine McKenna, jr., '07
 Norwood Macleod, '10
 Ray Stewart McWhinney, '14
 Richard Thomas Cassidy Martin, '20
 Joseph John Mason, '14
 Alexander Ferdinand Matthews, '19
 Ransom Hayward Merritt, '17
 Wilbur Dale Mong, '20
 Frederick Pettes Moore, jr., '08
 Scott Leeds Musson, '21
 Joseph Nemser, '20
 Clendenon Sheaf Newell, '16
 Everett Ewing Noble, '20
 Edward Francis O'Connor, '19
 Alfred Bryan Patterson, jr., '18
 Thaddeus Westcott Phelon, '19
 William Henry Pope, '22
 Albert Augustine Porter, '19
 Everett Norton Pratt, '19
 Harold Arthur Pulliam, '19
 Alfred Lockwood Quintard, '17
 George Fitz Randolph, '18
 William de Chastignier Ravenel, '18
 Lowell Hobart Riley, '19
 Robert Henry Roat, '18
 Francis Murray Roberts, '18
 James Albert Roberts, '20
 Charles Rouse, '21
 Howard Urquhart Snyder, '20
 Robert Yarnell Snyder, '20
 Samuel Solovei, '15
 Christopher MacNair Speed, '18
 Jacob Ferdinand Speer, '13
 Alvin William Splane, '21
 Philip Comfort Starr, '13
 Donald Phipps Tanner, '17
 Sidney Paul Thompson, '18
 John Francis Tierney, jr., '21
 Thomas Waring Todd, '07
 Donald Taylor Toles, '16
 William Wallace Tomlinson, '19
 Hermann Husted Vail, '11
 Peter Gregory Wagner, '16
 Albert Louis Waltermire, '22
 Winfield George Wheadrick, '19
 Charles Oliver Wiegand, '17
 John Hayhurst Wilder, '17
 Oliver Besley Williams, '22
 Edward Joseph Wolff, jr., '17
 Charles Welfal Zischkau, '19

*Honor Roll.

ROLL OF HONOR

Class of 1920

The following members of the class of 1920 lost their lives in the War:

EUGENE WEX ALLEN
 EDWARD LAURISTON BULLARD
 HOWARD JACKSON BUSH
 JOHN HAROLD EMBREE
 GILBERT SAGE GIBSON
 MILTON HOWARD HOGEL, jr.
 RICHARD JUDSON HOYT
 JAMES CARTER KNAPP
 RICHARD PARMELY KRAUS
 JOHN MURRAY MCCLELLAN
 FRANK WYCKOFF MCCULLOUGH
 RICHARD THOMAS CASSIDY MARTIN
 WILBUR DALE MONG
 JOSEPH NEMSER
 EVERETT EWING NOBLE
 HAROLD ARTHUR PULLIAM
 JAMES ALBERT ROBERTS
 HOWARD URQUHART SNYDER
 ROBERT YARNELL SNYDER

PRIZES

The following prizes were awarded by the Faculties during the academic year, 1919-1920:

The Woodford Prize in Oratory.....	William Hursh Farnham
The Horace K. White Prizes:	
First.....	Adrian Morse Mills
Second.....	Herbert Edward Marsh
The Sibley Prizes in Mechanic Arts:	
First.....	Ernest Lathrop Thearle
Second.....	William Littlewood
Third.....	Dwight Leeds McNulty
Fourth.....	Charles Karleton Miller
Fifth.....	Herman Arthur Metzger
The Eighty-Six Memorial Prize in Declamation.....	John Aldrich Rodger
The Barnes Shakespeare Prize.....	Rose Susan Malmud
The Boardman Senior Prize Scholarship.....	Benjamin Pepper
The Fuertes Medals:	
Graduate.....	George Paaswell
Undergraduate.....	Joseph Howard Christian
The Ninety-Four Memorial Prize in Debate.....	William Hursh Farnham
The John Metcalfe Polk Prizes:	
First.....	Alexander George Davidson
Second.....	Sam Zachary Levine
Third.....	Louis Hodes
The Corson Browning Prize.....	Leah Lazar Lowensohn
The Guilford Essay Prize.....	Barnet Nover
The Luana L. Messenger Memorial Prize.....	Hugh MacKenzie
The Sherman-Bennett Prize.....	Lawrence Brigham June
The Whiting Prizes:	
First.....	Louis Hodes
Second.....	Russell Sweetzer Ferguson
The Frances Sampson Fine Arts Prize.....	Dorothy Franklin Levy
The James T. Morrison Prizes:	
First.....	Frederick Henry Lape
Second.....	Linus Emerson Kittredge

The Eastman Prizes for Public Speaking:	
First	Harold Leroy Creal
Second	James Lee Rothwell
The Hollingworth Honorarium	
John Sturrock	
The Early English Text Society Prizes	
Alice Mary Hopkins	
Christina Hazen	
The Fraser Senior Prize Scholarships:	
First	Oliver R. Clark
Second	Mary Honor Donlon
The James Gerdon Bennett Prizes:	
First	James Richard Varley
Second	Hadley Carruthers Stephenson
The Fuertes Memorial Prizes in Public Speaking:	
First	William Douglas Ellis
Second	Earl Francis O'Brien
Third	Charles Morse Stotz
The Graduate Prize in Philosophy	
Glen Raymond Morrow	
The George Chapman Caldwell Prize	
Morton Powell Woodward	
The Ring Memorial Prizes:	
First	Ambrose Matson Burroughs
Second	Freeman Smith Howlett
The Stewart Prizes:	
First	Lewis Hubert Stratton
Second	Emery Boyce TerBush
Third	Robert Joseph Clark
Fourth	Wilbur Jameson Forbes
The J. G. White Prizes in Spanish:	
For excellence in Spanish	Frank Gertrude Eaton
For excellence in English	Francisco Sein-Cebollero
The Charles Lee Crandall Prizes:	
First	John Howard Stalker
Joseph Albert Thomas	
Second	Ernest William Steele
The Goethe Prize	
Muriel Eldra Farr	
The William M. Polk Memorial Prizes:	
First	Ralph Blumberg
Second	Emma Irene Boardman
The Sharples Prize Scholarship	
Irene Augusta Zapf	

STUDENTS, 1919-1920

Abbreviations. The colleges are designated in the list of students as follows: Arts and Sciences, A; Agriculture, Ag; Architecture, Ar; Civil Engineering, C; Law, L; Mechanical Engineering, M; Medical, MD; Veterinary, V. Graduate Students are indicated by Grad; Special Students by Sp. The number, e. g. "1920," "1921," etc., indicates the year of expected graduation.

Abel, Howard Bernal	1923 M	Brooklyn
Aber, Floyd Jay	1922 Ag	Avoca
Abrahams, Jacob	1920 A (Chem)	New York City
Abrahams, Simon Mayer	1920 Ag	Brooklyn
Abramowitz, Joseph	1923 A	Brooklyn
Abramson, Max Jacobs, Ph.G., M.D.	Sp MD (N.Y.C.)	Los Angeles, Cal.
Abramson, Reba	1923 A	Philadelphia, Pa.
Abreu, Francis Louis	1921 Ar	Newburgh
Acheson, Howard Archibald	1923 M	New York City
Acker, George Haigh	1921 M	Rochester
Ackerknecht, Edwin William	1922 A (Chem)	Johnstown
Ackerly, Charles Edwin	1920 A	Cuba
Ackerly, Robert Saunders	1922 A	Cuba
Ackerman, Claude Eldyn	1923 A	Belmont
Ackerman, Harold Louis	1923 A	Belmont
Ackerman, Robert Maeir	1923 A	Brookline, Mass.
Ackerson, Henry Ward, jr.	1923 A	Bright Waters
Ackles, Hoyt Samuel	1923 Ag	Marietta
Acomb, Helen McCurdy	1920 Ag	Dansville
Adams, Alfred Eugene	1923 M	Ridgewood, N. J.
Adams, Avalon Grant	1923 A	New York City
Adams, Burke Dowling	1923 M	Omaha, Neb.
Adams, Charles Doty	1923 M	New York City
Adams, Flora, B.A.	1920 MD (N.Y.C.)	Hackensack, N. J.
Adams, George Oliver	1923 Ag	Buffalo
Adams, Harold Biscoe, B.S.	1920 MD (N.Y.C.)	New York City
Adams, James Pamy	1923 A	Batesville, Ark.
Adams, James Richard	1921 A (Chem)	Utica
Adams, John Davry	1921 A	North Troy
Adams, Katharine Rogers, A.B., A.M.	Grad	Poughkeepsie
Adams, Lela Sophia	1923 A	Ithaca
Adams, Ralph Roy	1922 A (Chem)	Salamanca
Addonizio, Galliano Machlé	1923 A	Newark, N. J.
Adelmann, Howard Bernhardt	1920 A 1923 MD	Buffalo
Adelsberg, Hyman	1921 A	Brooklyn
Aderer, Edwin	1921 A	New York City
Adler, Leo	1922 M	New York City
Adler, Milton	1920 Ag	Brooklyn
Adlerblum, Cullen, B.A.	1923 MD (N.Y.C.)	New York City
Aeschbach, Mildred Wilhelmina	1922 A	Hoboken, N. J.
Aiken, Dorothy Louise	1922 Ag	Geneseo
Aiken, Hugh Kerr, jr.	Grad	Ithaca
Aikins, John Roberts	1921 M	Buena Vista, Pa.
Ainsworth, Oliver Morley, B.S.	Grad	Campbell
Airault, Victor Gustave	Sp A	Poitiers, France
Airey, Esther	1920 A	Buffalo
Alberding, Charles Howard	1922 A	Clayville
Albert, Rose	1923 Ag	Philadelphia, Pa.
Albin, Archer Overton	1922 M	Lynbrook
Alcus, Felix Leiser	1920 M	New Orleans, La.
Alden, Rose, A.B.	Grad	Neshanic, N. J.
Aldrich, Howard Seth	1921 Ag	Fredonia
Aldrich, Leon Corey	1923 M	Norwich
Aldrich, Mildred Lois	1921 Ag	Castile
Aldrich, Nathan Everett	1920 Ag	Fredonia
Aldrich, Robert Frayer	1923 A	Addison
Aldrich, Ruth Imel	1920 A	Fredonia
Aldridge, Arthur McKinley	1922 M	Victor
Alexander, J. Harry, jr.	1921 M	Brooklyn
Alfke, Frederick Henry	1920 Ag	New York City
Alger, Elisabeth Widmayer	1923 A	Lansdale, Pa.
Alhadeff, Solomon	1920 Ag	Ithaca
Allanson, Roy Adolph	1923 Ag	Ithaca
Allen, Charles Loring, A.B.	Grad	Broadhead
Allen, Charlotte Wintringham	1922 A	Poughkeepsie
Allen, Donald Felton	1923 C	Norwalk, Ohio
Allen, Fern Litchard	1920 A	Hornell

Allen, Franklin Hendry	1923 Ar	Cleveland, Ohio
Allen, Howard Bushnell, B.S.	Grad	Ithaca
Allen, Howard George	1920 M	Albion
Allen, Ida Jane, B.I.	Grad	Colden
Allen, Leonard Eugene	1921 Ag	Adam's Basin
Allen, Mavea Geraldine, B.S.	Grad	Ithaca
Allen, Philip Elsworth	1923 A	Pittsburgh, Pa.
Allen, Reece DeCourse	1923 A	Dallas, Texas
Allen, Robert Bernard	1923 M	Denver, Colo.
Allen, Ruth Ellen	1922 L	Dayton, Ohio
Allen, Raymond Peck	1920 A	Lima
Allen, William McKinley	1923 C	Perth Amboy, N. J.
Allison, Henry W., M.D.	Sp MD (N.Y.C.)	Timkin, Pa.
Allman, Drue, B.S.	Grad	Philadelphia, Pa.
Allsopp, Ernest Stephen	1923 Ag	South Orange, N. J.
Almy, Henry Calhoun	1921 A	Auburn
Alpert, Augusta	1923 Ag	New York City
Althouse, Samuel Leinback	1921 Ag	Sellersville, Pa.
Altschuler, William	1922 M	New York City
Ames, David Hall, jr.	1923 Ag	Utica
Amreich, Louis Saul	1922 C	Brooklyn
Anderson, Aubrey Kamp	1924 M	Shreveport, La.
Anderson, Brooks Nottingham	1922 C	Norfolk, Va.
Anderson, Duncan Ross	1922 M	Rome
Anderson, Ethel Louise, B.A.	Grad	Jamestown
Anderson, John O'Hara	1924 M	Pittsburgh, Pa.
Anderson, Juliette Norma, B.S.	Grad	Portland, Ore.
Anderson, Lester Curtis	1923 Ag	Hilton
Anderson, Randal Allen	1921 M	Brooklyn
Anderson, Raymond Terhune	1920 A	Shreveport, La.
Anderson, Ross Stockbridge	1922 C	Washington, D. C.
Anderson, Robert William	1922 M	Brooklyn
Anderton, Charles Edward	1922 A	Milwaukee, Wis.
André, Rose Henriette	1920 A MD	Buffalo
Andrew, Earl Raymond	1921 C	Danbury, Conn.
Andrews, Clifford Kincaid	Sp A	Wichita Falls, Texas
Andrews, Donald Holston	1923 Ag	Brooklyn
Andrews, Hazel Marian	1921 Ag	Newark Valley
Andrews, Henry Vincent	1921 A	Lyons
Andrews, John Paul	1923 A (Chem)	Olean
Andrews, Norwood Henry	1922 Ag	Moorestown, N. J.
Andrews, William Angell	1921 C	Grand Haven, Mich.
Angell, Walter Bert	1923 A	Troy
d'Angelo, Aristide	1923 A	New York City
Antell, Esther	1923 A	New York City
Anthony, Helen Gladys	1922 A	Greenwich
Anthony, John Kaplan	1923 A (Chem)	New York City
Anthony, Roy David, B.S., B.S.A., M.S.A.	Grad	State College, Pa.
Apgar, William Burnet	1921 Ag	Madison, N. J.
Applebaum, Jacob, A.B.	1923 MD	New York City
Applegate, Edward Cuyler	1923 V 1924 A	New York City
Apthorpe, Charles Wilbur	1921 A	Auburn
Archbold, William Cornell	1921 M	Syracuse
Archibald, Charles Clifford, M.C.C.M.	Sp MD (N.Y.C.)	Halifax, N. S., Canada
Archibald, Iane Isabelle	1921 A	Bovina Center
Archibald, Walter Douglas	1920 A	New York City
Arfmann, John Henry, jr.	1924 M	Middletown
Armistead, Joel Francis, jr.	1924 M	Atlanta, Ga.
Armstrong, Harriett Elizabeth	1923 Ag	Richmond Hill
Armstrong, Helen Sheley	1923 A	Watertown
Armstrong, Jessie Sheley	Sp A	Watertown
Armstrong, Ralph Randall	1923 M	Duluth, Minn.
Armstrong, Walter Ernest	1920 L	Barton
Arnborg, Florice Wilbur	1923 Ag	Kanona
Arnold, Earl Lee	1923 A (Chem)	Red Creek
Aronowitz, Max Bernard, B.A.	1921 MD (N.Y.C.)	New York City
Arronet, Margaret George	1921 C	Petrograd, Russia
Arthur, Theodore Strong	1923 M	Fort Ann
Artigas, José Antonio	1922 M	Mexico City, Mexico
Aschaffenburg, Eugene Albert	1921 A	New Orleans, La.
Ashby, Franklin Antrin	1923 M	Tulsa, Okla.
Ashcroft, Alfred Griffin	1921 M	Brooklyn
Ashley, Burton Marshall	1922 Ag	New Bedford, Mass.
Ashley, Charles Temple	1923 M	Muskegon, Mich.
Ashley, Wells Hine	1921 C	Ashtabula, Ohio
Ashton, Henry Rustling	1921 L	Trenton, N. J.
Asmundson, Vigfus Samundur, B.S.A.	Grad	Tantallon, Sask., Canada
Aten, Adrian John	1924 C	Floral Park
Atana, George Estrate	1920 M	Bronxville
Atkinson, Harry Victor	Grad MD (N.Y.C.)	Van Wert, Ohio

Atkinson, Jerome Thomas	1921 A	Bayside
Atkinson, Neil	1922 A	Bayside
Atkinson, Robert Emory	1924 M	Chestertown, Md.
Atwood, Guy Morton	1923 Ag	West Chazy
Atwood, John Cowan, jr.	1921 M	Ferguson, Mo.
Atwood, Leland Leavitt, A.B.	Grad	Plymouth, N. H.
Auchincloss, William Stuart, 2d	1923 M	Orange, N. J.
Auer, Johannes A. Christoffel F., B.D.	Grad	Ithaca
Ausman, Mildred Katharine	1922 A	Herkimer
Austen, Robert Norman	1923 M	West Etna, Pa.
Auster, Lionel Sandler, A.B.	1923 MD (N.Y.C.)	New York City
Avery, Edward Carrington	1923 A	Auburn
Avery, Ralph Chase	1923 M	Gloversville
Ayars, David Preston, jr.	1920 M	Wilkes-Barre, Pa.
Ayers, Richard Edmund	Sp Ag	Binghamton
Ayres, Alvine Muriel	1923 MD	Penn Yan
Ayres, Sidney Elliot	1922 A	Penn Yan
Babayan, Aran Diran, B.S.	1921 Ag	Constantinople, Turkey
Babcock, Eveline Noble	1922 A	Lockport
Babcock, Juan Acres, jr.	1922 M	Plainfield, N. J.
Backer, William Byrant	1921 C	New York City
Backus, Charles William	1922 Ag	New Berlin
Bacon, Avery Charles, B.S.	Grad	Albion
Bacon, Charlotte Trotter	1922 Ag	Canandaigua
Bacon, Lillian Mary	1923 Ag	Canandaigua
Badanes, Lillian	1921 A	Mount Vernon
Badger, Katharine	1921 A	Ithaca
Baer, Herbert Ralph	1923 A	Paterson, N. J.
Baer, Walter Arthur	1920 M	Paterson, N. J.
Baer, Walter David	1920 M	Pittsburgh, Pa.
Baerg, G., A.B., A.M.	Grad	Hillsboro, Kansas
Bagby, Alvin Fleet, M.D.	Sp MD (N.Y.C.)	Richmond, Va.
Bahdjedjian, Kevork Parsegh, B.S.	1922 C	Constantinople, Turkey
Baier, Nathan Harriman	1920 C	New York City
Bailey, Austin, A.B.	Grad	Lawrence, Kansas
Bailey, Charles Chester	1921 A	Oakmont, Pa.
Bailey, Morrison Kyle	1920 Ar	Lakewood, Ohio
Bailey, Roger	1920 Ar	Jamestown
Bailey, William Dunlavy	1924 C	Boonton, N. J.
Baird, Thomas Jefferson	1923 A	Cleveland, Ohio
Baker, Andrew Alvord	1920 Ag	Freeville
Baker, Arthur Sidney	1922 A	New York City
Baker, Barton	1922 L	Webster
Baker, Bertha Gladys	1923 A	Minetto
Baker, Carl Irving	1923 A	Herrick Centre, Pa.
Baker, Donald William	1922 A	Battle Creek, Mich.
Baker, Edward Vreeland	1923 M	Willsboro
Baker, Erford Melville	1923 A	Cortland
Baker, Helen Dorothy	1921 Ag	Ithaca
Baker, Sihon Winfield	1923 Ag	Webster
Baker, William Howard	1923 M	Hallsboro, Va.
Bakunovitz, Nicholas	1922 A (Chem)	Brooklyn
Balcom, Ruth Marion	1921 A	Rockville Centre
Baldauf, Augustus Franklin	1922 M	Buffalo
Baldelli, Zeno Hugo	1920 Ag	Corona
Baldwin, Andrew Grey	1922 Ag	Brooklyn
Baldwin, Charles Hamilton	1923 M	Springfield, Mo.
Baldwin, Frank Cecil	1922 Ag	Bristol, Pa.
Baldwin, George Crook	1920 Ag	Highland Park, Ill.
Baldwin, Henry Ives, B.A.	Grad	Saranac Lake
Baldwin, Horace Strow, B.S.	1921 MD (N.Y.C.)	Orange, N. J.
Baldwin, Howard Reichard	1921 A	Springfield, Mo.
Baldwin, Maurice Burton	1920 Ar	Springfield, Mo.
Baldwin, Warner Frank	1920 Ag	Potsdam
Baldwin, Whitford Anderson	1923 M	Oak Park, Ill.
Ball, Ellis Robert	1923 M	Cattaraugus
Ball, Harold Appleton	1922 M	Wayne, Pa.
Ball, Robert Mueller	1922 M	Detroit, Mich.
Ball, Thomas Mueller	1921 M	Detroit, Mich.
Ballantine, Elizabeth Stuart	1921 A	Philadelphia, Pa.
Ballard, Donald Duncan	1920 M	Baltimore, Md.
Ballard, Raymond Griswold	1920 Ag	McLean
Ballou, Hosea Cushman	1920 A	New York City
Balsbaugh, Jayson Clair	1922 M	Swatara Station, Pa.
Bancroft, Hester	1922 A	Ithaca
Banghart, Edgar Schuyler	1922 M	Augusta, Ga.
Bangs, John Robert, jr.	1920 M	Baltimore, Md.
Banks, Helen	1923 A	Ithaca
Banks, Robert Treman	1923 A	Ithaca

Banner, Edgar Hicks	1923 M	Bainbridge
Banner, Erford Lynn, B.S., M.S.	Grad	Ithaca
Banse, Herbert George	1921 Ar	Chicago, Ill.
Banta, Theodore Charles	1922 M	Ridgewood, N. J.
Barasch, William	1921 C	New York City
Barbems, Lemont	1920 A	New York City
Barbour, Carroll Bartlett	1923 A (Chem)	Ridgway, Pa.
Barbrey, Gabriel Francis	1922 C	Clinton, N. C.
Barclay, Alexander James	1922 A	Ardonia
Bard, James Mackie	1921 Ag	Pleasantville
Bard, Moses Taylor	1923 M	Millerton
Barkas, Benjamin William	1921 Ag	Brooklyn
Barkdull, Roy Edgar	1921 M	New Orleans, La.
Barkelew, Charles Smith, jr.	1922 M	Madison, N. J.
Barker, Clifford Van Keuren	1922 C	Staatsburg
Barker, Frederick George, jr.	1923 A	Cleveland, Ohio
Barker, Gardner Thurston	1921 Ag	Croton-on-Hudson
Barker, Myron Irving	1923 A	Carrollton, Ky.
Barker, Prince Patanilla, A.B.	1923 MD (N.Y.C.)	New York City
Barlow, Sumner Hancock	1923 A (Chem)	Trenton, N. J.
Barlow, Thomas Jefferson	1920 Ag	Eastland, Texas
Barmon, Georgia Ruth	1923 A	Buffalo
Barnard, Charles Henry	1922 Ag	Holland Patent
Barnes, Benjamin de Saussure	1923 Ag	Owego
Barnes, Claudia Marie	1920 A	Buffalo
Barnes, George Francis	1923 A	Jersey City, N. J.
Barnes, Harry Wilbur	1922 C	Detroit, Mich.
Barnes, Robert Gilbert	1920 M	Douglaston
Barney, Ellery Robert	1922 Ag	Milford
Baron, Albert Samuel	1923 M	San Francisco, Cal.
Barrett, Irma Frances	1921 A	Troy
Barrett, Sidney Hall, jr.	1922 A	Richmond Hill
Barrett, Willard Riehlman	1920 A (Chem)	La Fayette
Barrett, Winnie Mae	1920 Ag	Binghamton
Barris, Henry Allen	1922 M	Silver Creek
Barros-Barreto, Benjamin Franklin	1922 C	Pernambuco, Brazil, S. A.
Barry, Tom Randolph, M.D.	Sp MD (N.Y.C.)	Gallatin, Tenn.
Barsam, Racine George, A.B.	1923 MD (N.Y.C.)	Harpott, Turkey, Asia Minor
Barth, Mable Day	1920 A	Cedar Rapids, Iowa
Barthel, Elsie Anna Sophie, B.S.	1920 MD (N.Y.C.)	New York City
Bartlett, Leon Edward	1922 A	Galeton, Pa.
Bartlett, Lowell Thomson	1923 M	Minneapolis, Minn.
Bartlett, Willard John	1920 A (Chem)	Galeton, Pa.
Bartoli, Joseph Faroci	1921 A	New York City
Barton, John Allen	1922 C	Belton, Texas
Bartsch, Edward Holmes	1922 A	Jersey City, N. J.
Bashore, Nelda Beatrice	1922 A	New York City
Baskerville, Charles, jr.	1922 A	New York City
Bason, George Francis, B.E., M.E.	Grad	Ithaca
Bass, Joseph Martin	1924 M	Newark, N. J.
Bassett, Charles Fernando	1923 Ar	Castile
Bassett, James Wellington	1920 A (Chem)	Cooper Plains
Bassett, Samuel Hopkins	1920 A, 1923 MD	Coleman's Station
Bastian, William Garvin	1921 M	Zelenople, Pa.
Batchelor, Margaret Louise	1923 Ag	Moylan, Pa.
Bateman, Helen Marion	1921 A	Champlain
Bateman, Margaret Porter	1923 Ag	Brooklyn
Bauer, George Frederic	1922 M	Philadelphia, Pa.
Baugh, Irving Bosley	1921 A	Baltimore, Md.
Baugh, Thomas LeRoy	Grad	Baltimore, Md.
Baum, Seymour Leopold	1922 M	New York City
Baumeister, Charles	1920 Ag	New York City
Baumgardner, Donald George	1923 M	Demster
Baun, Charlotte Trotter	1922 Ag	Canandaigua
Baur, Oscar, jr.	1922 M	Chicago, Ill.
Baxter, David Boag	1924 C	New York City
Baxter, Edmund Francis	1922 A	Waverly
Baxter, Elmer James	1923 M	Washington, D. C.
Baxter, Portus, jr.	1922 M	Libby, Mont.
Bayley, Paul Lavern, B.A., M.A.	Grad	Fort Smith, Ark.
Beach, Stafford Bacon	1921 A	West Palm Beach, Florida
Beach, Stephen Stanley	1920 Ag	Mansfield, Pa.
Beakes, Mahlon Henry	1920 A	New York City
Beals, Maurine Katherine	1923 Ag	Wayland
Beam, Daniel Sayre	1921 Ag	Hemlock
Bean, Francis Jarvis, A.B.	1923 MD (N.Y.C.)	Worcester, Mass.
Bean, Allan Russell	1920 Ag	McGraw
Bear, Burnett	1922 C	Carlisle, Pa.
Beardsley, Arland Frederic	1921 Ag	Trumansburg
Bearman, William Jacob, B.A.	1923 MD (N.Y.C.)	Brooklyn

Beatty, Henry McIntosh	1922 M	Cleveland, Ohio
Beatty, Willard Chrisler	1922 A	Roscoe
Beck, Daniel H.	1921 M	Beaver, Utah
Beck, Florence Gertrude	1921 Ag	Aurora
Beck, Martin Grinnell	1920 Ag	Aurora
Beck, Robert J., A.B.	1920 M D (N.Y.C.)	New York City
Becker, Edmond William	1923 Ag	New York City
Becker, Elva Estella	1923 A	Columbia, Pa.
Becker, Howard Goldsborough	1923 Ag	Dayton
Becker, Joseph Adam, B.A.	Grad	Itasca
Becker, Robert	1922 C	Corona
Beckley, Park Armstrong	1923 Ag	Harrisburg, Pa.
Beckwith, Charles Allen	1921 M	Buffalo
Bedell, Eleanor Crehore, A.B.	Sp Ag	Itasca
Bedell, Ralph Elliott	1923 Ag	Brooklyn
Bedient, Harold Arthur, A.B.	Grad	Albion, Mich.
Bedle, Vera Elaine	1923 A	Spring Valley
Beeler, Charles Fox	1922 M	Hamilton, Ohio
Beggs, Alan Hendrie	1920 M	Glen Ridge, N. J.
Beiermeister, James McPherson	1920 Ag	Troy
Belcher, Harold Stewart, A.B.	1920 MD (N.Y.C.)	Newark, N. J.
Bell, Aaron	1923 A	Brooklyn
Bell, Donald Chesbrough, A.B.	1920 MD (N.Y.C.)	Willoughby, Ohio
Bell, James Stultz	1922 M	Altoona, Pa.
Bell, Raymond William	1920 Ag	Brasher Falls
Belser, Beatrice Mary	1923 A	New York City
Bemus, William Jotham	1921 M	Bemus Point
Bender, Edward Alexander	1923 A	New York City
Bendet, Julius	1921 A (Chem)	New York City
Benedict, John King	1922 A	Poughkeepsie
Benedict, Lewis, jr.	1920 Ag	Attica
Benenson, Aaron	1922 A	Napanoch
Bengtsson, Otelia Josephine, A.B.	1922 MD (N.Y.C.)	Ossining
Benham, John Latham	1921 A (Chem)	Niagara Falls
Benisch, Henry John	1920 C	Brooklyn
Benitez-Gautier, José	1921 C	Santurce, P. R.
Benjamin, Ernest Clarence, jr.	1923 M	New York City
Benjamin, Foster Hendrickson, B.S.	1920 Ag	Flushing
Benjamin, George	1923 Ag	Hornell
Benner, James William, D.V.M.	Grad	Itasca
Bennet, Robert Hadley	1921 M	New York City
Bennett, Alfred Starr	Sp Ag	Pratt, Kansas
Bennett, C. Ralph	1923 A	Gouverneur
Bennett, John Benjamin	1921 Ag	Pratt, Kansas
Bennett, Ralph Stamp	1920 C	Itasca
Bennett, Russell Thompson	1923 M	Buffalo
Bennett, Theodore Lake	1921 A	Geneseo
Benson, George Milton	1922 C	Baltimore, Md.
Benson, Keith William	1920 A	Sterling, Ill.
Benta, Kenneth Lowell	1922 A (Chem)	New Rochelle
Bentley, James Stuby	1922 A	Sheridan, Wyo.
Bentley, Martyn Zug	1922 M	Youngstown, Ohio
Benton, Frederick L., B.S., M.D.	Sp MD (N.Y.C.)	Brooklyn
Benton, George Alden, jr.	1920 A	Spencerport
Berger, Walter Richard	1922 Ag	East Cleveland, Ohio
Berglas, Jacob Maruch, A.B.	1922 MD (N.Y.C.)	Brooklyn
Berk, Ruth	1920 A	Brooklyn
Berkeley, Frederick Duncan	1923 M	Brooklyn
Berkoff, Harry Sidney	1920 A, 1923 MD	Itasca
Berkowitz, Joseph Judah, B.S.	1923 MD (N.Y.C.)	New York City
Berkowitz, Morris	1923 MD (N.Y.C.)	Brooklyn
Berliner, Milton L., M.D.	Sp MD (N.Y.C.)	Brooklyn
Berliner, Sydney George	1922 M	New York City
Berman, David	1922 L	Bayonne, N. J.
Berman, Irving Louis	1921 Ag	Brooklyn
Berman, William	1922 A	Rochester
Bernard, Boris	1923 Ag	Brooklyn
Bernard, William Stewart, jr.	1922 C	Dayton, Ohio
Bernstein, Maurice	1923 A	East Cleveland, Ohio
Bernstein, Sylvia Sybil	1922 A	New York City
Bernstein, William	1923 A (Chem)	Brooklyn
Berresford, John King	1923 A (Chem)	Brooklyn
Berry, Donald William	1923 C	Milwaukee, Wis.
Bershansky, Ida	1922 A	Houston, Texas
Besig, Anna Clara Caroline	1923 A	Honey Grove, Texas
Besig, Emma Martha Sophia	1923 A	West Hoboken, N. J.
Beskin, Theodore Hyman	1922 A	West Hoboken, N. J.
Besosa, Harry Manuel	1923 A	Newport News, Va.
Bethage, Victor Droste	1923 M	Miramar, P. R.
Betten, Myrtle Sherer	Sp Ag	Brooklyn
		Itasca

Betts, James Hill	1922 Ag	Kingston
Betts, William Royston	1921 Ag	Highwood, N. J.
Beugler, James Valentine	Sp Ar	Poughkeepsie
Beutel, Frederick Keating	1921 A	Tacoma, Wash.
Bevilacqua, John James	1924 M	Bayonne, N. J.
Beyer, Benjamin Wesley, jr.	1920 M	Cincinnati, Ohio
Bezer, Charles Arthur	1924 A	Brooklyn
Bickel, William Dosh	1921 M	Pittsburgh, Pa.
Bickford, Edwin Blake	1920 Ag	Elmira
Biederman, Edwin Williams	1920 Ag	Brooklyn
Bigelow, Claude Myron	1921 M	Penn Yan
Billheimer, Marguerite Peora	1922 A (Chem)	Homestead, Pa.
Billipp, Casper Hill	1924 M	Rye
Binner, Paul Pratt	1923 Ag	Palisade, N. J.
Binns, Elston Voorhees	1921 A	Elizabeth, N. J.
Bird, Horace Clark	1923 Ag	Medina
Bird, John Herman	1921 Ag	Buffalo
Bird, Samuel Bancroft	1921 M	Wilmington, Del.
Birdsall, Elias Mulford	1922 A	Newark, N. J.
Birnsweig, Morris	1923 Ag	Saugerties
Bishop, George King	1920 M	Cleveland, Ohio
Bishop, George Mallory	1922 M	Southampton
Bissell, Chester Wright	1921 A	Brooklyn
Bissell, Thomas Ashley	1922 M	Buffalo
Bittner, Stanley Franklin, B.S.	Grad	Slatington, Pa.
Bizet, Jean	1920 Ag	Paris, France
Black, Frank Edward	1922 M	Baltimore, Md.
Black, William Hilbert, jr.	1921 M	High Bridge, N. J.
Blackburn, John Harold	1923 M	Glens Falls
Blackburn, Paul Vincent	1920 A (Chem)	Conneaut, Ohio
Blackman, Edward Chase	1924 M	Flushing
Blackwood, Albert James	1923 M	Buffalo
Bladen, Arthur McKinley	1922 M	Syracuse
Blake, Marion Elizabeth, A.B., A.M.	Grad	New Britain, Conn.
Blakemore, Samuel Morris	1923 A (Chem)	Louisville, Ky.
Blanchard, John David	1920 A, 1922 L	Groton
Blanche, Herbert Martin	1920 Ag	Ithaca
Bianke, Donald Cutler	1921 A (Chem)	New York City
Blasbalg, Harry Hobart	1922 L	New York City
Blau, Albert, A.B.	1921 MD (N.Y.C.)	New York City
Blauvelt, Katharine Hutton	1923 Ar	Syracuse
Blauvelt, Livingston, B.A.	Grad	Ithaca
Bleakley, Paul Lataunt	1920 L	Yonkers
Blewer, Henry Truman	1923 Ag	Newark Valley
Block, Lawrence Frederick	1923 M	Caldwell, N. J.
Blodgett, Elsie Bernice	1922 A	Corning
Blodgett, Harold William	1921 A	Corning
Blodgett, Helen Matilda	1920 Ag	Dunkirk
Blodgett, Lewis Alderman	1920 A	Corning
Blodgett, Vernon Wilson	1923 Ag	Rushville
Bloss, Joseph Blossom, jr.	1922 A	Rochester
Blowers, Irma Kathryn	1920 A	Westfield
Bloy, Myron Barnett	1920 Ag	Detroit, Mich.
Blue, Edward Browning	1921 M	Pittsburgh, Pa.
Blue, John Allan	1923 M	Buffalo
Blum, Abram	1922 M	Brooklyn
Blumberg, Dorothy Goldie	1922 A	Washington, D. C.
Blumberg, Ralph, A.B.	1920 MD (N.Y.C.)	Brooklyn
Blume, Adrian Franklyn	1921 Ag	Brooklyn
Bly, Winifred Ida	1923 Ag	Ashville
Boardman, Arthur Clinton	1924 C	Elmira
Boardman, Emma Irene, A.B.	1920 MD (N.Y.C.)	Springfield, Mass.
Bock, George Frederic, A.B.	1921 MD (N.Y.C.)	Lancaster
Bodansky, Marie Synkin, B.A.	Grad	Ithaca
Bogan, James Joseph	1923 V	Edmeston
Bogan, John Lawrence	1923 V	Edmeston
Bogart, Harold Elmer, A.B.	1921 MD (N.Y.C.)	New York City
Boggs, Lillian Bishop, B.Sc.	Grad	Ramapatom, South India
Bohanon, Paul Chandler	1924 Ar	Cleveland Heights, Ohio
Bolan, Francis Joseph	1921 A	Waterbury, Conn.
Bollinger, Ralph Leo	1922 M	East Pittsburgh, Pa.
Bolton, Caroline Grace	1921 A	Oil City, Pa.
Bolton, Luella Ann	1921 Ag	New Hartford
Bolton, William Worden	1921 A	Oil City, Pa.
Bonagura, Alphonse	1921 C	Brooklyn
Bond, Frederick Henry	1922 Ag	Jamestown
Bond, Lyman Ormsby	1921 Ag	Port Henry
Bonner, C. Blanchard, M.D.	Sp MD (N.Y.C.)	Rale gh, N. C.
Bonnett, Earl Cluff, A.B.	1923 M.D.	Provo, Utah
Bonoff, Harold Charles	1920 A	Brooklyn

Bonsai, Howard Vincent	1923 C	Lansdowne, Pa.
Bookstaver, George Arthur	1923 Ag	Sag Harbor
Bool, Herbert Winfred	1923 Ag	Ithaca
Bool, Marjorie	1923 A	Ithaca
Bool, Mildred Storm	1922 A	Ithaca
Boorstein, Isadore, Harris	1920 A	Bayonne, N. J.
Booth, Arthur Earle	1920 A	Perth Amboy, N. J.
Booth, Elizabeth Potter	1923 A	Syracuse
Booth, James David	1922 M	Longmeadow, Mass.
Boothroyd, Harold Cairns	1921 A (Chem)	Newburgh
Borchers, Harry Jacob, jr.	1920 Ag	Lynbrook
Borelli, Thomas	1922 C	Coamo, P. R.
Boring, Dorothy Beach	1921 A	Rutledge, Pa.
Bork, Mildred Margaret	1922 A	Buffalo
Borman, John William	1923 A (Chem)	New York City
Bosanko, Arthur Kingsley	1921 A (Chem)	Glens Falls
Boshart, Frank Eugene	1923 Ag	Lowville
Boshnakian, Sarkis, B.S., M.S.A.	Grad	Ithaca
Bostwick, Mary Virginia	1922 A (Chem)	Jersey City, N. J.
Bosworth, Harlan Page, jr.	1923 C	Buffalo
Bosworth, Henry Burt	1922 Ag	Buffalo
Bott, Clarence Comstock	1922 M	Clinton
Boudin, Eleanor	1921 A	Brooklyn
Boughton, Paul Ninde, B.S.	1921 Grad	Brooklyn
Bovaird, Donald Walker	1923 A	Bradford, Pa.
Bow, Cyril Garner	1924 Ar	Buffalo
Bowen, Elizabeth	1921 A	Randolph
Bowen, Elsie Katherine	1922 Ag	Smith's Basin
Bowen, Mary Eliza	Sp Ag	Smith's Basin
Bowen, Ward Culver, A.B., A.M.	Grad	Houghton
Bower, Bernice Marcia	1923 Ag	Elmira
Bower, Harold Ferdinand	1921 M	Johnstown
Bower, Laurence Robert	1922 V	Ithaca
Bowles, Robert Brigham	1920 C	Houston, Texas
Bowman, Evalina Pitcher	1920 Ag	Brooklyn
Bowman, Florence Augusta, B.S.	Grad	Dryden
Bowman, Theodore	1921 Ag	White Plains
Bowman, William Loran	1923 M	Vienna, Va.
Boyd, George Adams	1921 A	Wallkill
Boyd, Harold Elmer	1923 A	Pittsburgh, Pa.
Boyd, Oran Cecil, B.S.	Grad	Hooker, Okla.
Brace, Esther Hall	1923 Ag	Richmond Hill
Bradley, Catherine Gibbons	1920 A	Hoosick Falls
Bradley, Fred Van Ness	1921 A	Rogers, Mich.
Bradley, Fred Warren	1923 A	Bath
Bradley, John Jewsbury, jr.	1921 Ag	Washington, D. C.
Bradner, Morris Renfrew, M.D.	Sp MD (N.Y.C.)	Warwick
Bradt, Clarence Greensfield	1922 Ag	Rome
Brady, John Franklin, jr.	1920 M	Colorado Springs, Colo.
Brady, Samuel Dunlap, jr.	1921 C	Fairmont, W. Va.
Brainard, Clifford Brewster, Ph.B., M.D.	Sp MD (N.Y.C.)	Hartford, Conn.
Brainard, David Edward	1923 M	Syracuse
Braislin, Gordon Stuart	1923 A	Brooklyn
Braman, Chester Rounds	1920 A	Cortland
Braman, Hazel Elizabeth	1922 A (Chem)	Homer
Bramer, Clarence Newell	1923 V	Amsterdam
Branch, Edwin Albro	Sp Ag	Brooklyn
Branch, Hazel Elisabeth, B.A., A.M.	Grad	Wichita, Kansas
Brandel, Myron Philip	1920 M	Buffalo
Brandes, George Henry, B. Chem.	Grad	Oswego
Brandman, Hyman Charles	1923 A	Ithaca
Branson, Helen Taylor	1922 A	Oklahoma City, Okla.
Branyen, John Paul	1921 L	Minneapolis, Minn.
Braun, Sidney	1922 M	New York City
Brause, Esther Rella	1921 L	Glen Cove
Brayman, Eugene	1921 C	Penn Yan
Brayman, George Irving	1922 C	Walton
Brayman, Harold Leslie	1920 A	Middleburg
Brayton, Charles Lucien	1923 A	Montclair, N. J.
Breck, Lawrence William	1920 M	Cleveland, Ohio
Breckenridge, Donald Edward	1920 A	Franklin, Pa.
Breckenridge, Robert Warren	1923 M	Buffalo
Bredel, Clara Helen	Sp Ag	Dayton, Ohio
Breen, John Beckman	1923 M	Elmira
Breese, Lyman Malcolm	1922 L	New York City
Bremer, George Henry	1924 Ar	West Hoboken, N. J.
Brems, Carl Pridham	1923 M	Ben Avon, Pa.
Brenner, Nevin Truog	1923 M	Barneveld
Brenning, Irvin Frederick	1923 V	Clayton
Bretch, Glenn Edward	1923 A	

Bretch, Mildred Elena	1922 A	Clayton
Bretz, Ludlow Earle	1921 M	Dobbs Ferry
Brew, Mary Frances, B.A.	1920 MD (N.Y.C.)	Brooklyn
Brewster, Elizabeth Esther	1923 Ag	Freeville
Brewster, Eugene Rainier	1921 Ag	Marion
Brewster, Irene	1920 Ag	Cornwall
Brewster, Lyman Sanborn	1923 Ag	Birney, Mont.
Bridaham, Oswald Cammann	1920 M	Denver, Colo.
Bridaham, Lester Burbank	1922 A (Chem)	Denver, Colo.
Bridges, Clayton Thomas	1920 Ag	Fairport
Bridgman, Robert Rice	1923 M	Hamburg
Briegel, Julius Leo	1921 Ag	Briarcliff Manor
Briggs, Leslie Eadie	1921 L	Homer
Briggs, Roscoe Wallace	1920 Ag	Glens Falls
Bright, Fannie Jean	1921 Ag	Lansdale, Pa.
Brill, Elias	1922 Ag	Ithaca
Brill, Kenneth Campbell	1923 M	Poughquag
Brillinger, Henry Beitzel	1921 M	York, Pa.
Brink, James Henry	1920 V	Newark Valley
Bristol, Herman Harvey	1923 Ag	Canton Center, Conn.
Britt, Robert Emery	1922 Ag	Brockport
Brittain, Knox	1922 A	Downsville
Brittain, William Harold, B.S.	Grad	Truro, N. S., Canad a
Britting, Geraldine Anna	1923 A	Williamsville
Britton, Edith Rosaline	1923 A	Buffalo
Broadbooks, Florence Thelma	1923 Ag	Attica
Brock, Frances Rosalie	1920 Ag	Mount Vernon
Brock, James Fargo	1922 M, 1923 Ag	Brooklyn
Brockenshire, Freeman Albert, M.B.	Sp MD (N.Y.C.)	St. Thomas, Ont., Canada
Brockway, John Dunn	1923 M	Syracuse
Brodie, Melvin Morris, B.S.	1923 MD (N.Y.C.)	New York City
Brodsky, Marcia Mae	1922 A	Philadelphia, Pa.
Brodsky, Michael Emanuel, A.B.	1923 MD (N.Y.C.)	Westport, Conn.
Broestl, Andrew John	1923 M	Cleveland, Ohio
Bromer, Edward Harold	1923 M	Schwenksville, Pa.
Bromley, Rhodes Chadwick	1923 M	Providence, R. I.
Bronson, Frank E., V.S.	1921 V	Hornell
Bronson, George Browning	1923 Ag	Rome
Bronson, Wesley Hotchkiss, B.S.	Grad	Amherst, Mass.
Bronstein, William	1923 A	Brooklyn
Brooke, Sydney Seymour	1923 Ag	Brooklyn
Brooks, Jay Tracy	1923 M	Hallstead, Pa.
Brooks, Kathryn Blanche	1922 Ag	Batavia
Brooks, Marion Edith	1923 Ag	Rochester
Brosnan, John Ignatius	1922 C	Washington, D. C.
Brotherhood, Lillian Fred	1921 Ag	Seaford
Broughton, William Gundry	1924 M	Kentland, Ind.
Brown, Aaron, M.D.	Sp MD (N.Y.C.)	New York City
Brown, Blanche Laura	1921 A	Webster
Brown, Charles Alfred, B.A.	1923 MD (N.Y.C.)	Waterbury, Conn.
Brown, Chauncey Fairfield, A.B.	1920 MD (N.Y.C.)	La Crescenta, Cal.
Brown, Colonel Loren	1920 Ag	Hilton
Brown, Cremer Francis	1922 M	Cleveland, Ohio
Brown, Donald Winslow	1922 A	Punxsutawney, Pa.
Brown, Edith Rhoda	1922 A	Ithaca
Brown, Edward Howey	1920 M	Cleveland, Ohio
Brown, Edwin Hobart	1922 M	Wayne, Pa.
Brown, Ellsworth Sheffer	1921 V	Shortsville
Brown, Fayette Elwin	1923 M	Iron Mountain, Mich.
Brown, Forrest Jagger	1922 C	East Marion
Brown, Harold Gordon, B.S.	Grad	Deerfield
Brown, Helen Elizabeth	1923 Ag	Ithaca
Brown, Henry Cassaway, jr.	1922 C	Philadelphia, Pa.
Brown, Henry George	1922 A	South Dayton
Brown, Herman Albert	1923 Ag	Salamanca
Brown, Joseph David	1923 Ag	Brooklyn
Brown, Norman Pierson	1921 Ag	Bernardsville, N. J.
Brown, Robert Edward	1922 Ag	Ithaca
Brown, Roger Crafts, A.B.	1922 MD (N.Y.C.)	La Crescenta, Cal.
Brown, Seymour Walter	1922 Ag	Burke
Brown, Seymour Willard	1923 M	New York City
Brown, Thomas Augustus	1923 Ag	Elizabethtown
Brown, Victor Arthur	1923 M	Randolph
Brown, Virginia	1923 A	Oakmont, Pa.
Brown, Wesley Bennett	1920 M	Sidney
Browne, Dudley Malcolm, B.S.	1920 Ag	Ramsey, N. J.
Bruckheimer, Alleyne Henry	1921 M	Buffalo
Bruckheimer, Sydney Morris	1922 A	Buffalo
Bruckner, Mabel Amelia	1922 Ag	Hastings-on-Hudson
Bruman, Abraham Joseph, B.S.	Grad	Lincoln, Neb.

Brumbaugh, Charles Howard	1923 M	Orange, N. J.
Brundage, Ralph Wesley	1922 Ag	Hornell
Brundidge, Violet Florence	1920 Ag	Oneida
Brunett, Earl Louis	1922 V	Herkimer
Brunie, Harry Charles	1923 A	New York City
Brunjes, Dick George, M.D.	Sp MD (N.Y.C.)	Syracuse, Ind.
Bruns, Bernhard Henry	1922 A	Orange, N. J.
Bruyère, Andries Johannes, B.A.	Grad	Ladismith, Cape Province, South Africa
Bryan, Josephine Stevens	1921 A	Ithaca
Bryant, Carleton Elliott, jr.	1922 C	Mount Vernon
Bryant, Maynard Luther	1921 V	Troy
Bryant, Robert Charles	1920 M	Binghamton
Brykczynski, Charles Stanley	1922 A	Brooklyn
Bryne, Gladys Adelle	1920 Ag	Auburn
Bubb, Harris Trevette	1923 M	Jersey Shore, Pa.
Bucher, Lloyd Day	1920 Ag	Brooklyn
Buck, Clifford Martin	1922 Ag	LaGrangeville
Buck, Edna Mae	1923 Ag	Glens Falls
Buck, Harry Emmer	1921 Ag	Newark Valley
Buck, Herbert Howe	1920 Ar	Rockville Center
Buck, Nellie Leona	1921 A	Groton
Buck, Wendell	1923 A (Chem)	Cambridge, Mass.
Buckley, Henry White	1923 M	Columbus, Ohio
Buckley, Theodore Talmadge, jr.	1921 Ag	Cambridge
Budd, James Marshall	1920 Ag	Philadelphia, Pa.
Buehler, Leon, jr.	1921 M	Mount Vernon
Buell, William Ray	1920 Ag	Norwich
Buerger, Otto Martin	1920 A	Buffalo
Buhl, Theodore Albert	1922 Ag	College Point
Bullard, John Flower	1922 V	Ithaca
Bullard, Thomas Kenneth	1922 Ag	Schuylerville
Bullen, Avery Lockhart	1923 M	Ticonderoga
Bullen, Grace Constance	1923 A	Paterson, N. J.
Bullen, John Nixon	1920 Ar	Chicago, Ill.
Bullock, Clayton Morse	1922 A (Chem)	Sharon Springs
Bumbaugh, Frank Taylor	1923 A	Monessen, Pa.
Bumstead, Dale, jr.	1921 M	Oak Park, Ill.
Bungart, Paul Mercer	1921 A	Oceanside
Bunnell, Richard Tice	1923 M	Union, N. J.
Burch, Harold Graydon	1923 Ag	Millbrook
Burch, Philip Austin, B.S.	1923 MD (N.Y.C.)	New York City
Burchfield, Alice Kyle	1922 A	Buffalo
Burden, Louise Helen	1922 A	Canandaigua
Burdick, Helen	Sp Ag	Wilkes-Barre, Pa.
Burk, Richard Martin	1923 Ag	Okmulgee, Okla.
Burk, Robert Emmett	1922 A (Chem)	Okmulgee, Okla.
Burke, Franklyn Emmett	1922 A (Chem)	Rochester
Burke, James Harry	Sp M	Hartford, Conn.
Burke, William James	1922 A	Oneida
Burlage, Stanley Ross, B.S., A.M.	1923 MD Grad	Ithaca
Burmistroff, Vassily Georgievitch	1923 C	Turovo, Russia
Burnham, Alice Alinda	1923 A	Worcester, Mass.
Burnham, Eliza Ellen	1923 Ag	Elmira
Burnham, Katharine	1922 A	Brooklyn
Burnham, Lyman	1923 A	Brooklyn
Burnham, Rogers	1921 M	Brooklyn
Burns, James Henry	1921 C	Shelter Island
Burns, Noel Augustine	1922 A	Watertown
Burns, Samuel	1922 C	New Britain, Conn.
Burr, Charles Robert	1923 Ag	Pawling
Burrell, Archibald Wray	1920 A	Buffalo
Burroughs, Ambrose Matson	1920 Ag	Albion
Burroughs, Kenneth Cook	1922 M	Geneva
Burrows, George Lord, 3d	1923 Ag	Saginaw, Mich.
Burt, Robert Chester	1921 M	Battle Creek, Mich.
Burton, Benjamin	1922 Ag	Rutledge, Pa.
Burton, Euclid Orrel	1923 M	West Chazy
Burton, Raymond Charles	1921 A	Rock Island, Ill.
Buschman, Robert Petring	1920 M	East Orange, N. Y.
Bush, Harold Lela d	1922 A	Ludlowville
Bush, Harold Watrous	1921 C	Warsaw
Bush, Ralph Raymond	1920 M	Kingston, Pa.
Bushman, Robert Petring	1920 M	East Orange, N. J.
Bushman, Willard Wilson	1921 A	Buffalo
Butler, Anne Louise, A.B.	Grad	Proctor, Vt.
Butler, Bryant Ormond	1921 Ag	Catonsville, Md.
Butler, Charles Patrick, B.S.	1922 L	Proctor, Vt.
Butler, Mary Louise	1923 A	Plattsburg
Butterfield, Mendel Ely	1923 Ar	Port Dickinson
Button, Dorothy Markham	1920 Ag	Farmingdale

Button, Henry Burr	1921 Ag	Farmingdale
Buttrick, Charles Edgar	1924 Ar	Brooklyn
Buys, John Levenus, B.S.	Grad	Sodus Point
Buzby, Jesse Milton	1920 Ag	Philadelphia, Pa.
Byington, Elizabeth Louise	1923 A	Ossining
Byrd, Ralph Hamilton	1920 M	Suffolk, Va.
Byrne, Edward Munson	1922 M	Washington, D. C.
Byron, Charles Stanford	1923 MD (N.Y.C.)	Brooklyn
Byron, Peter	1923 A	Corona
Cable, Elva Mae	1921 A	Walton
Cadigan, Edward Maurice	1924 A	Mount Vernon
Cadiz, Edwin Firth	1920 A	Brooklyn
Cadiz, Elmer Wallace	1923 A	Brooklyn
Cady, Elizabeth Catherine	1920 A	Milford
Cady, Stanley Hurlbutt	1920 M	Spencerport
Cahan, Harry Bruce	1921 L	Philadelphia, Pa.
Cahill, Genevieve Elizabeth	1922 A	Auburn
Caine, Irving, B.S.	1923 MD (N.Y.C.)	Brooklyn
Caldas, Octavio Brandas	Grad	Rio, Brazil
Caldwell, Bert W., M.D.	Sp MD (N.Y.C.)	Chicago, Ill.
Caldwell, Wiley North	1922 M	Oak Park, Ill.
Calhoun, Powell Thompson	1923 Ag	Charco, Texas
Calkins, Donna Rosamond	1921 A	Oakfield
Call, Irving Joslyn	1922 Ag	Stafford
Call, William Frederick	1923 M	Niagara Falls
Callahan, Alice	1920 A	West Brighton
Callan, Maynard Frank	1923 M	Buffalo
Calleson, Edgar Augustus	1923 M	Brooklyn
Calloway, Robert Woodward	1922 C	Baltimore, Md.
Calvert, George Chalfant	1923 A	Pittsburgh, Pa.
Camden, Stella DuPriest	1921 A	Troy
Caminez, Harold	1920 M	Brooklyn
Campbell, Carleton	1922 A	Brooklyn
Campbell, Charles Edwin	1923 A	Canonsburg, Pa.
Campbell, Edward Ketcham	1923 A	Brooklyn
Campbell, Frank Lincoln, jr.	1921 A	Omaha, Neb.
Campbell, John Joseph, jr.	1922 M	New York City
Campbell, John Wesley, jr.	1920 Ag	Warren, Pa.
Campbell, Katherine Leonora	1923 A	Dansville
Campbell, Margaret G.	1921 Ag	Valparaiso, Ind.
Campion, Catharine Sara	1923 A	Philadelphia, Pa.
Campion, Stephen Martin	1921 A (Chem)	East Orange, N. J.
Cannon, John Francis	1920 A	Locust Gap, Pa.
Cantor, Isadore Jerome	1922 L	Buffalo
Caplan, Harry, B.A., M.A.	Grad	Albany
Caplan, Louis	1921 A	Albany
Capps, Murl T., M.D.	Sp MD (N.Y.C.)	New York City
Carboni, Jennie Adelaide	1923 A	Ithaca
Carboni, Mary Catherine	1922 A	Ithaca
Card, Dana George, B.S.	Grad	Sylvania, Pa.
Card, Leslie Ellsworth, B.S.	Grad	Ithaca
Carey, Charles William	1920 A	Chicago, Ill.
Carey, Elizabeth Helen	1923 A	Saranac Lake
Carey, Margaret Anna	1923 Ag	Saranac Lake
Carey, William David Puterbaugh	1923 A	Hutchinson, Kansas
Carll, Haidee	1920 A	Halesite
Carlson, Alice Alma Christine	1923 Ag	Ithaca
Carlson, Earl Leonard	1922 M	Smethport, Pa.
Carlson, Fred Albert, B.S.	Grad	Pittsfield, Mass.
Carmer, Lillian Freelove	1922 A	Olean
Carnes, George Mason	1922 A	Houston, Texas
Carney, Colwell Joseph	1921 M	Newburgh
Carney, Earl Edward	1923 M	Cedar Falls, Iowa
Carney, James Campbell, B.Sc.	1920 M	New York City
Carpenter, Arthur Eldred	1920 A	North Bangor
Carpenter, Benjamin Palmeter	1922 M	Washington, D. C.
Carpenter, Clinton George	1920 A	Hudson Falls
Carpenter, Charles Milton, D.V.M., M.S.	Grad	Ithaca
Carpenter, Charles Wilson,	1922 C	Lake Mahopac
Carpenter, Cliff Deane	1920 V	Unadilla
Carpenter, Clifford Miles	1923 Ag	Chittenango
Carpenter, Edwin John, jr., A.B.	1920 L	Corning
Carpenter, Robert Holt	1923 A	Whitehall
Carples, Edmond Nathaniel	1920 A (Chem)	Rochester
Carr, Alfred Chambers, jr.	1923 M	St. Louis, Mo.
Carr, Alfred Sidney	Sp A (Chem)	Johnson City, Tenn.
Carr, Edward Howard	1921 M	Bayville
Carr, Harold Fremont	1922 M	Arcadia, Fla.
Carr, Hugh Roderick	1920 M	New York City

Carrasco, Juan Leopolds	1920 M	Temuco, Chile
Carrell, Darwin Faulk	1923 M	Allison Park, Pa.
Carrier, Egbert Wendell	1921 A (Chem)	Phoenix
Carrington, Ralph Hermon	1922 M	Oneonta
Carrino, Constantine Nicholas	1921 M	Brooklyn
Carroll, Malcolm Barrington	1920 L	West New Brighton
Carroll, Philip Francis	1921 A	Rosebank
Carry, Charles William	1920 A	Chicago, Ill.
Carson, Florence Elizabeth	1923 A (Chem)	Chicago, Ill.
Carson, James Reed	1920 M	Pittsburgh, Pa.
Carstensen, Gudrun Anna	Sp A	Copenhagen, Denmark
Carter, Charles Crawford	1922 Ag	Rock Island, Ill.
Carter, Charles Homer	1922 Ag	Marathon
Carter, Claude DeWitt, jr.	1923 C	Watertown
Carter, Ellsworth Jackson	1922 A	Lowville
Carter, Lorraine Whitney	1923 C	Worcester, Mass.
Carty, John Russell, B.S.	1921 MD (N.Y.C.)	Short Hills, N. J.
Carver, Kenneth	1920 Ar	Brooklyn
Cary, Edward Beverly	1920 M	Roanoke, Va.
Cary, Richard Edgar	1920 Ag	Richfield Springs
Casazza, George Enrico	1924 L	Brooklyn
Casey, Francis Lawton	1922 A	Batavia
Cashman, Eugene Ramiro	1923 A (Chem)	Cleveland, Ohio
Casler, Marjorie Ellen	1923 A	Herkimer
Caslick, Edward Albert	1922 V	Newfield
Caspe, Sylvia Ruth	1923 A	New York City
Cass, John Lewis	1922 M	Salem, Mass.
Cassedy, William Fraser, jr.	1921 M	Newburgh
Cassin, William Mains	1921 Ag	Sodus Point
Castle, Hempstead	1922 Ag	Westfield, Mass.
deCastro, Anastacio Francisco, B.A.	1921 C	Manila, P. I.
Castro, Fernandez Rafael Maria	1921 L	Miramar, Santurce, P. R.
Catchpole, Doris Caldwell	Sp A	North Rose
Catlin, Mary Josephine	1922 Ag	Odessa
Cattell, Quinta	Sp Ag	Hudson
Cautley, Randolph Vivian	1920 A	Yonkers
Cava, Anthony	1923 Ar	Brooklyn
Caviness, James Jackson, M.D.	Sp MD (N.Y.C.)	Altus, Okla.
Celano, Luigi, M.D.	Sp MD (N.Y.C.)	New York City
Cerchiara, Camillo Anthony, B.S.	1922 MD (N.Y.C.)	New York City
Chamalian, Archie Verese	1923 C	Leonia, N. J.
Chamberlain, Carl Christoph	1921 Ag	Elmira
Chamberlain, Dwight Russell	1922 Ag	Lyons
Chamberlain, Frederick Parshall	Sp Ag	Lyons
Chamberlain, Thomas Knight, B.S.	Grad	Brooklyn
Chamberlain, Walter Edwin, B.S.	Grad	Wellesley, Mass.
Chambers, Melber Bowers	1922 A	New Rochelle
Champlin, Pearl Edith	1920 Ag	Oneida
Chandler, Carroll Wesley	1922 Ag	Moravia
Chandler, Fred Charles	1922 M	Cleveland, Ohio
Chang, Cheh Hsi, C.E.	Grad	Peking, China
Chang, Lan-ko	1922 M	Peking, China
Chao, Ming Kao	1922 A	Liao-Yang, Fengtien, China
Chao, Sungson Kuo-Tung	1920 M	Tientsin, China
Chaoushoglou, Charilaus George, A.B.	Grad	Williamstown, Mass.
Chapman, Henry Otis, jr.	1922 Ar	Woodmere
Chapman, Louis Rounseville	1921 Ar	Pittsburgh, Pa.
Chapman, Lucie Helen	1923 Ag	Port Richmond
Chapman, Paul Andrew	1922 A (Chem)	Auburn
Chapman, Ruth Rosalie	1923 A	Bethlehem, Pa.
Chappell, Robert Eli	1923 M	New Rochelle
Chardon, Carlos Eugenio, B.S.	Grad	Ponce, P. R.
Charet, Morris	1923 M	Brooklyn
Charlap, Harold Morrison	1925 Ar	Philadelphia, Pa.
Charles, Delphine Kathryn	1920 A	Warsaw
Charlton, Thomas Jackson, jr., B.A.	1922 MD (N.Y.C.)	Savannah, Ga.
Charron, Philip Joseph	1923 M	Ithaca
Chase, Amos Prentice	1920 A	Norwich, Conn.
Chase, Russell Nichols	1922 A	Cleveland, Ohio
Chaskin, Harold Seymour	1921 M	New York City
Chasman, Israel, B.A., M.A.	Grad	Brooklyn
Chatfield, Clayton Calkins	1923 Ag	Union
Chavanne, John Joseph, jr.	1921 C	Woodhaven
Chen, Che Kwei, A.B.	Grad	Peking, China
Chén, Chen, B.S.	Grad	Peking, China
Chen, Chia Len	Grad	Peking, China
Chen, Kwan Shun, B.S.	Grad	Shanghai, China
Chen, Yu Han	1921 M	Shanghai, China
Cheney, David William	1922 V	St. Regis Falls
Cheng, Kan Yun	1921 M	Ninghai, Hsien, Chekiang, China

Cheng, Pu Ching	1921 Ag	Foochow, China
Cheng, Wan Chung	1923 M	Hongkong, China
Cherdantzeff, Peter	1921 M	Petrovavlovsk, Russia
Cherouny, Helen Elise	1922 A	Brooklyn
Chesebrough, M. Arlouines, B.A.	Grad	West Edmeston
Cheston, Harold Clifford	1923 M	Yonkers
Cheston, James Hunter	1921 C	Yonkers
Chiavetta, Thomas Charles	1920 A (Chem)	Brant
Chichester, Hazel LeCount	1923 Ag	Mahopac
Childs, Mary Elizabeth, A.B.	1922 MD (N.Y.C.)	Bernardsville, N. J.
Childs, Wesley Haley	1923 Ag	North Tonawanda
Chipman, Mary Adams	1923 Ag	West Medford, Mass.
Chirlian, Gustave	1921 C	New York City
Chisholm, Anne Cameron	1923 A	Fort Covington
Choate, Aubrey James	1923 A	Erie, Mich.
Chobot, Edwin Frank	1921 C	Brooklyn
Christensen, Eiler Martin	1921 C	Norwich
Christian, Albert Ferdinand	1924 A (Chem)	Alpena, Mich.
Christian, Cyrus Marvin	1921 A	Horseheads
Christian, Joseph Howard	1920 C	Millville, Pa.
Christianson, Christian	1922 M	Butler, Pa.
Christianson, Raymond	1921 M	Butler, Pa.
Christman, Paul Omar	1922 Ag	Ithaca
Chu, Lynn	1920 M	Peking, China
Churchill, Charles Harvey	1923 M	Canton
Cilloniz, Miguel	1922 M	Lima, Peru
Cintra, Luiz de Cerqueira	Grad	Sao Paulo, Brazil
Cisler, Walker Lee	1922 M	Gradyville, Pa.
Cissel, Henry Howard	1922 M	Washington, D. C.
Clapp, Marion Glenn	1923 A	Deerfield
Clapp, Robert Vernon	1920 C	Mentor, Ohio
Clark, Carroll Bromley	1922 M	Ithaca
Clark, David Stadden	1923 A	Merion Station, Pa.
Clark, Francis Glasglow	1922 Ag	Norfolk, Va.
Clark, Frances Hilda	1922 Ag	Fulton
Clark, Griffith Sappington	1921 Ag	Ellicott City, Md.
Clark, Jason	1923 C	Williston, Vt.
Clark, John Harrison	1920 Ag	Schoharie
Clark, Marion Anna	1921 A	Warsaw
Clark, Marvin Aiden	1923 Ag	Kendall
Clark, Oliver R., A.B.	1920 L	Farmington, Utah
Clark, Perceval Lemon, jr.	1921 A	Ithaca
Clark, Philip Colegrove	1922 M	Stapleton
Clark, Philo Davis	1923 A	Rumford, Me.
Clark, Robert Gregory	1922 M	Denver, Colo.
Clark, Robert Joseph	1922 Ag	Tully
Clark, Roger Scureman	1921 A	Kingston, Pa.
Clarke, Warren Hines	1920 M	Baltimore, Md.
Clarkson, John Turner	1921 M	St. Louis, Mo.
Clarkson, Oliver Lindsay	1923 Ag	Edgewater Park, N. J.
Clary, Thomas James	1920 A, 1923 MD	Seneca Falls
Clay, George William, jr.	1921 M	New Orleans, La.
Clay, Leon Gibert	1920 C	New Orleans, La.
Clayton, Merrill Gerard	Sp Ag	Trenton, N. J.
Cleary, Charles Hubert	1922 M	Baltimore, Md.
Cleary, Stephen Farrell	Sp M	Ballston Spa
Cleaver, Thoburn Grant	1921 M	Richmond Hill
Cleminshaw, Clarence Higbee	1923 A	Cleveland, Ohio
Cleveland, Lloyd Smith	1920 A Grad	Endeavor, Pa.
Cline, Samuel, M.D.	Sp MD (N.Y.C.)	Dorchester, Mass.
Clinton, Charles Lewis, A.B.	Grad	Ithaca
Close, Elinor Agnes	1922 A	Westwood, N. J.
Close, Mary Tabitha	1923 Ag	Kings Ferry
Clough, Amy Belle	1923 A	Clifton, N. J.
Clough, Kenneth Mead	1923 A	Peru
Chum, Harold Haydn, A.B.	Grad	Cleveland Heights, Ohio
Clynes, Edmund	1924 L	Ithaca
Coan, Abraham Moses	1920 Ag	Ithaca
Cobb, William Gerard George	1922 C	New York City
Cochrane, Thomas Fletcher	1920 C	East Orange, N. J.
Cockcroft, Donald Griswold	1921 C	Northport
Cockcroft, Merle Leslie	1920 A (Chem)	Northport
Codner, Lewis Andrews	1922 Ag	Owego
Coe, Evelyn Grace	1923 Ag	Cincinnati
Coe, Roger Jewett	1923 M	New York City
Coffin, Edna Marilla	1922 A	Homer
Coggeshall, Henry Gerald	1923 M	Waterville
Coggeshall, Mary Merwin	1920 A	Waterville
Cogswell, Roberts George, A.B.	Grad	Attica
Cohan, Jordan Miles	1923 A	Rye

Cohen, David Leonard	1923 M	New York City
Cohen, Ira Marsop	1922 A	Middletown
Cohen, Isaac	1923 Ag	Brooklyn
Cohen, Jeannette	1922 MD (N.Y.C.)	Norton, Va.
Cohen, Julius Nathaniel, B.S.	1922 MD (N.Y.C.)	New York City
Cohen, Katharine	1923 Ag	Merriewold
Cohen, Miriam	1922 A	New York City
Cohen, Nathalie Vera	1922 A	Paterson, N. J.
Cohen, William	1922 A	New York City
Cohen-Contin, Jacob Selig	1920 C	New York City
Cohn, Miriam Harriett	1920 Ag	Bath
Coit, Arthur Leon	1923 Ag	Ellicottville
Colby, Horace Farnham	1923 Ar	Pontiac, Mich.
Colby, Sterling	1923 Ag	Manchester, N. H.
Colby, Thomas Berry	1923 Ag	Pontiac, Mich.
Cole, John Jay	1923 M	Buffalo
Cole, Kenneth Watkins	1922 M	Avon
Cole, Marjorie Edith	1922 Ag	Little Falls
Cole, Roy Kenneth, B.A.	Grad	Whittier, Cal.
Coleman, Alfred John	Sp Ag	Woodstown, N. J.
Coleman, Donald Whittaker	1923 A	Brooklyn
Coleman, Glen Emerson	1923 M	Muncie, Ind.
Coleman, William Worthy	1923 A	New York City
Collens, William S., B.S.	1921 MD (N.Y.C.)	Brooklyn
Collins, Arthur John, jr.	1923 Ag	Moorestown, N. J.
Collins, Charles Russell, jr.	1922 M	Seattle, Wash.
Collins, Edison Moore	1920 Ag	Livingston Manor
Collins, Jacob Roland, B.S., M.S.	Grad	Ithaca
Collum, Thaddeus Lumpkin	1920 C	Corsica, Texas
Colsten, Alden	1921 Ag	New York City
Colt, Leonard Beeber	1923 M	New York City
Colton, Mildred Lavina	1923 Ag	Sherburne
Colucci, Frank	1921 A (Chem)	Holley
Colucci, Joseph	1921 A (Chem)	Holley
Colvin, Donald	1924 Ag	Evanston, Ill.
Colvin, William Henry, jr.	1920 A	Evanston, Ill.
Combemale, Robert Yoes	1922 M	Yonkers
Combs, William Charles	1921 L	Rochester
Compton, William Randall	1923 Ag	Elmira
Comstock, Charles Ward	1920 Ag	Yorkville
Comstock, Claire, A.B., A.M.	Grad	Norwalk, Conn.
Comstock, Oliver Dixon	1922 L	Brooklyn
Conable, Walter Ford	1920 M	Jamaica
Condit, William Chapin	1922 A (Chem)	Ithaca
Condon, Lawrence William	1924 C	Newark, N. J.
Condron, George Tolman	1923 M	Oak Park, Ill.
Congdon, Charles Clement	Sp Ag	Norfolk
Congdon, Ellen Martha	Sp Ag	Middletown, Conn.
Conkling, Frank Ellsworth, jr.	1922 C	Patchogue
Conklin, Frederick Samuel	1922 M	Shelter Island Heights
Conlin, William Jerome	1920 V	Glens Falls
Conlon, Lawrence Hayes	1923 V	South Lansing
Conlon, Mary Agnes	1922 A	Ithaca
Connolly, John Edwin	1921 Ag	Mount Kisco
Connor, Helen Margaret, A.B., A.M.	Grad	Terre Haute, Ind.
Conover, G. Elliott	1921 C	Asbury Park, N. J.
Conrad, Herbert Frank	1923 M	Buffalo
Conradis, Albert Earl	1923 A	Washington, D. C.
Conroy, Edward Eugene	1920 A	Ogden, Utah
Contin, Cecilia	1923 A	New York City
Converse, John Kendrick	Sp Ag	Andover, Mass.
Conway, Mary Katherine	1921 A	Elizabeth, N. J.
Conwell, Dorothy	1923 M	Elmhurst
Cook, Francis Floyd	1923 C	Roselle, N. J.
Cook, James Richard	1920 C	Gloversville
Cook, Junius Ford	1922 M	Whitney Point
Cook, Laura Clark	1920 A	Hillsdale, Mich.
Cook, Nelson Evans	1922 A	Wheeling, W. Va.
Cook, Owen Shepard	1922 M	Marinette, Wis.
Cooke, Cora Elizabeth	1920 Ag	Lyons Falls
Cooke, Harry Linn	1920 Ag	Avalon, Pa.
Cooke, Oscar Herbert	Sp Ag	Lyons Falls
Cooley, Charles Ransom	1922 Ag	Oberlin, Ohio
Cooley, Earl Eleazer	1922 M	Milford, N. H.
Cooley, George Raymond	1922 C	Kittanning, Pa.
Coombe, Marion Gertrude	1921 Ag	Minersville, Pa.
Coombs, Samuel Meade, jr.	1920 A	Bridgeton, N. J.
Coon, William Hammill	1922 L	Homer
Cooney, Anna Mary	1921 Ag	Malone
Cooper, Charles Bryant, jr.	1923 Ag	Honolulu, Hawaii

Cooper, Charles Henry	1921 A	Jersey City, N. J.
Cooper, Dorothy Lydia	1921 A	Mattituck
Cooper, Elizabeth Terry	1921 Ag	Mattituck
Cooper, George	1922 A	Brooklyn
Cooper, Jesse Sherwood	1920 A	Mount Vernon
Cooper, Howard Newton, A.B.	1920 MD (N.Y.C.)	Little Falls
Cooper, Ray Sweet	1921 A	Horseheads
Cooper, Stuart William	1921 M	Houghton, Mich.
Cooper, Wilbur Stanley	1923 M	Rochester
Cooper, William Miller, jr.	1921 C	New York City
Copeland, Abraham	1921 Ag	Dannemora
Copeland, Dwight Lothrop	1922 C	West Bridgewater, Mass.
Copley, Clara Paula	1923 A	Teaneck, N. J.
Copp, Herbert Guy	1922 M	Rock Island, Ill.
Corbett, Frances Lee	1921 Ag	Takoma Park, D. C.
Corbett, Roger Bailey	1922 Ag	Takoma Park, D. C.
Corbin, Paul Eugene	1922 A (Chem)	Ithaca
Corby, Alonzo Fisher, jr., Ph.B.	Grad	Nesquehoning, Pa.
Corby, George Bentley	1920 A	Honeoye Falls
Corcoran, William Bryan	1924 C	Verona, N. J.
Cordley, Christopher Minta	1920 A	Glen Ridge, N. J.
Corey, Robert Brainard, B.Chem.	Grad	Barberton, Ohio
Cormack, Charles Marshall	1920 C	Buffalo
Cormack, Maribelle	1923 A	Buffalo
Cormany, Charles Evans, B.S.	Grad	Las Cruces, N. Mex.
Cornblum, Edward	1922 L	Buffalo
Cornell, Edwin Burt	1923 M	Owego
Cornell, Helen Lois	1922 A	Buffalo
Cornell, Nelson Warren, A.B.	1921 MD (N.Y.C.)	Chemung
Corney, Blair Shipman	1922 C	New York City
Cornish, Edward Harrison	1921 A	Cortland
Cornish, Ina May	1921 Ag	Ithaca
Cornish, Louis Buell	1922 Ag	Cortland
Cornwall, Esther	1921 Ag	South Wales
Cornwall, Laurance	1923 M	Rye
Cornwell, Ralph Thomas Kline, B.Chem.	Grad	Northumberland, Pa.
Corrigan, John Potwin	1920 A	Pittsburgh, Pa.
Corrington, Julian Dana, A.B.	Grad	Ithaca
Cortese, Frank	1920 A (Chem)	Dunkirk
Cortina, César	1921 C	San Pedro de Macoris, Santo Domingo
Cortina, Victor Manuel	1923 C	San Pedro de Macoris, Santo Domingo
Corwin, Grace Huntington	1921 A	Riverhead
Corwin, Helen Genevieve, B.A.	Grad	Highland, Cal.
Corwith, William Harry	1920 L	Rockville Centre
Cotton, Cornelia Marie	1921 A	Washington, D. C.
Cottrell, Edwin Harrison	1921 M	East Orange, N. J.
Coulter, Clarence Dally	1920 M	Los Angeles, Cal.
Coulter, Theodore Bryson	1923 M	Ithaca
Coupal, Edward Taylor	1922 M	Buffalo
Cover, Augustus Woodland	1921 M	Baltimore, Md.
Coville, Perkins, B.S.	Grad	Ithaca
Covington, William Slaughter	1922 L	Bowling Green, Ky.
Cowan, James Samuel	1922 Ag	Hobart
Cowan, John Mark	1922 M	Hobart
Cowell, Thomas Charles	1923 M	Yonkers
Cowley, Rafael Mario	1922 M	Havana, Cuba
Cowley, Raoul Mario	1921 A	Havana, Cuba
Cowsert, James Ricketts	1921 M	Tarpon Springs, Fla.
Cox, William Thomas	1923 M	Duncan, Okla.
Coxe, Moses Eugene	1924 M	Gray Court, S. C.
Crabtree, Theodore Hudson	1923 M	New Brighton
Cracco, Frederick Anthony	1921 A	Jersey City, N. J.
Cracovaner, Alex	1923 A	New York City
Craft, Russell LaFayette	1923 A	Herrick Centre, Pa.
Craig, John Wesley	1921 A	Portland, Me.
Craig, Ruby Barrow	1923 Ag	Buffalo
Craighead, Samuel Judson	1922 C	Wilkinsburg, Pa.
Crampton, Albert Mason	1922 L	Moline, Ill.
Crandall, Howard	1920 Ag	Ithaca
Crandell, Dean DeForest	1922 A (Chem)	Waverly
Crane, Perry Benson	1922 L	Brooklyn
Crane, Roderic Baird	1921 M	Omaha, Neb.
Crapster, Catherine Elizabeth	1923 Ag	Taneytown, Md.
Crawford, John, B.S.	1923 MD (N.Y.C.)	New York City
Crawford, William, jr.	1923 C	Schenectady
Crawford, William Boyd	1922 Ag	La Porte, Ind.
Creal, Harold Leroy	1920 Ag	Jamestown
Cree, Edward Mitchell	1923 M	Pittsburgh, Pa.
Credwson, Charles Newman	1923 A	Chicago, Ill.
Cricohn, Robert Ross	1923 M	Bremerton, Wash.

Crisfield, Lloyd Zabriske	1922 M	Brooklyn
Crisfield, Richard Ilston	1921 M	Brooklyn
Crispell, Raymond Solomon, A.B.	1920 MD (N.Y.C.)	New York City
Crissey, Stephen Roy	1922 Ag	Glenwood, N. J.
Crockin, Albert Sylvester	1924 M	Portsmouth, Va.
Crofoot, David Wilson	1923 C	Noroton, Conn.
Croiswell, Howard Donald	1921 C	Washington, D. C.
Cromwell, Richard Hillen	1923 Ag	Baltimore, Md.
Crook, William Frederick	1923 A	Hicksville
Crosby, Nellie Heck, Ph.B.	Sp Ag	Ithaca
Cross, Edward Hough	1923 Ag	Gainesville
Cross, George Ernest	1920 M	Sterling, Pa.
Cross, Gerald Francis	1921 M	Indian Lake
Cross, Harold Ritchie	1922 Ag	De Kalb Junction
Crouch, Arthur Weir	1923 C	East Aurora
Crouch, Harold Harter	1920 A (Chem)	Mohawk
Crouse, Nellis Maynard, A.B.	Grad	Utica
Crowley, Addison Gifford	1922 L	Randolph
Crowly, Katherine Elizabeth	1920 Ag	Canandaigua
Croxton, Albert Marion	1921 C	Arkadelphia, Ark.
Croxton, Herbert Pease	1922 M	Massillon, Ohio
Croxton, James McLain	1922 M	Massillon, Ohio
Crump, Enid	1921 A	New York City
Crump, Lois	1923 Ag	New York City
Crusel, Cornelius Campbell	1922 C	New Orleans, La.
Cruz, Carlos	1923 M	Guatemala City, C. A.
Cubbon, Miles Hugo	1921 Ag	Pleasantville, Pa.
Cubler, Edwin Clarence	1922 C	Philadelphia, Pa.
Cubillos, Ernesto	1921 Ag	Bogota, Colombia, S. A.
Cuervo, Maria Isabel	1922 A	Ithaca
Cuervo-Troy, Estrella	1923 A	Ithaca
Cuervo-Troy, José Faustino	1920 Ag	Ithaca
Culley, Paul Gamber	1921 A	Ithaca
Culligan, Janice Irene	1923 A	Bombay
Cummings, Deborah Provost	1921 Ag	Centreville, Mich.
Cunneen, Anna Elizabeth	1922 Ag	Port Jervis
Cunneen, Wallace Vincent	1921 A	Port Jervis
Cunningham, Benjamin Amos, jr.	1921 M	Yonkers
Cunningham, Gladys	1923 A	Atlantic City, N. J.
Curphey, James Dodds	1920 A (Chem)	Dayton, Ohio
Curran, Harold Raymond	1921 Ag	Buffalo
Curry, Aubrey Ramon	1920 M	Nassau, Bahama Islands
Curry, John Robert	1924 Ag	Blue Mountain Lake
Curtin, Eugene A., M.D.	Sp MD (N.Y.C.)	Dunmore, Pa.
Curtis, Carol	1921 Ag	Rochester
Curtis, Dorothy	1923 A	Hoboken, N. J.
Curtis, Eugene Alden	1922 Ag	Rochester
Curtis, George Graydon	1920 M	Rochester
Curtis, Justin Cairns	1922 Ag	Newport, Vt.
Curtis, Ralph Raymond, A.B.	Grad	Brooklyn
Curtiss, John Milton, A.B.	1922 Ag	Alexander
Curtiss, Leon Francis, A.B.	Grad	Ithaca
Curtis, Robert Morison	1923 A (Chem)	Paterson, N. J.
Cusack, George Cornelius	1923 M	Poughkeepsie
Cushing, Edward Raymond	1920 V	Shortsville
Cushman, Dorothy Elizabeth	1921 Ag	Syracuse
Cushman, Edward	1922 A	Norwich
Cushman, Howard Baker	1922 A	East Aurora
Cushman, Margaret Allerton	1923 Ag	Ithaca
Cushman, Robert Alden	1921 M	Ithaca
Cutler, Louis	1923 C	New York City
Cutler, Paul Colman, B.S.	Grad	New York City
Cutter, Lawrence Starr	1920 A	Cleveland, Ohio
Dadisman, Andrew Jackson, B.S., M.S.	Grad	Morgantown, W. Va.
Dadmun, Louise Chase	1923 Ag	Washington, D. C.
Dagnall, Clarence Herschel, B.S.	Grad	Falls River, Mass.
Dahl, Charles Hugo	1923 A (Chem)	Staten Island
Daily, Orville Guy	1920 A	Chicago, Ill.
Dain, Bryant Depew	1920 Ag	Peekskill
Dale, Dwight Conn	1922 M	Franklin, Pa.
Daley, William Bell, jr.	1920 L	Chatham
Dallas, William Burnside	1923 C	Haddon Heights, N. J.
Dalton, John	1922 M	Schenectady
Daly, Ivan Coakley	1921 A (Chem)	Corona
Dalzell, Arthur Herbert	1920 M	Lynn, Mass.
D'Ambrosi, Frank	1921 A	New York City
Danes, Jean Louise	1923 Ag	Homer
Dangler, Alfred	1922 M	Cleveland, Ohio
Dangler, Allan Eugene	1923 M	Cleveland, Ohio

Daniel, Walter Wright, A.B.	1923 MD	Camden, S. C.
Daniels, Francis Wallin	1921 C	Ithaca
Daniels, Helen	1922 Ag	Gilbertsville
Danishelsky, David, B.S.	1923 MD (N.Y.C.)	New York City
Dann, Walter Rowling	1922 A (Chem)	New Haven, Conn.
Danzig, Abram Allison	1921 A	Brooklyn
Darling, Evalina Bowman	1920 Ag	Brooklyn
Darrow, Cecil Howard, A.B.	Sp MD (N.Y.C.)	Elwood, Ind.
Dassance, Alice Catharine	1923 A	Newfield
Dassance, Charles Locke	1923 A	Newfield
Dates, Hazel Adeila	1921 A	Groton
Dates, Helen Dorothy	1922 Ag	Groton
Dattelbaum, David Nathaniel	1922 A	New York City
Davenport, Edward	1920 Ag	Accord
Davenport, Nellie	1921 Ag	Accord
Davey, Thomas Trude, jr.	1923 C	Northport
Davidson, Alexander George, B.S.	1920 MD (N.Y.C.)	New York City
Davidson, Charles Lykrand	1923 Ag	Sault Ste. Marie, Mich.
Davidson, William Lucian	1923 Ag	Holland Patent
Davies, Horace Franklin	1922 Ag	Roselle, N. J.
Davies, William Henry	1923 Ag	Mount Vernon
Davila, Rafael Miguel	1921 Ag	Honduras, C. A.
Davila-Ortiz, Rafael	1923 A	Yabucoa, P. R.
Davis, Asa	1920 Ag	Owego
Davis, Chester Coughran	1922 Ag	Castile
Davis, Evelyn Nancy	1922 A	Haddonfield, N. J.
Davis, Frances Esther	1923 Ag	Pitcher
Davis, Herbert Briggs	1923 Ag	Varysburg
Davis, Irene	1921 A	Pittsburgh, Pa.
Davis, John Roger	1923 A	Los Angeles, Cal.
Davis, Leonard Harlan	1923 L	Cleveland, Ohio
Davis, LeRoy Milton	1923 C	Buffalo
Davis, Marie Euphrasia	1922 A	Olean
Davis, Myron Woodward	1922 A	Des Moines, Iowa
Davis, Ralph Dayton	1920 M	Ithaca
Davis, Rowland Fenner	1921 M	Dolgeville
Davis, Samuel Elmer, jr.	1922 Ag	West Albany
Davis, Vadna Raymond	1923 A	Closter, N. J.
Davis, William Frederick R.	1921 L	Auburn
Davison, Alice	1922 Ag	Lynbrook
Davison, Lester	1922 C	St. Joseph, Mo.
Davison, Robert Otis	1921 M	Bath
Davy, Armand Leon	1923 C	Ottawa, Ont. Canada
Day, Ella Jeanette	1921 Ag	Baltimore, Md.
Day, Harold	1920 C	Mexico
Day, Hazel Elizabeth	1922 A	Buffalo
Deagon, Arthur	1921 C	Freeport
Dean, Adele Alice	1923 Ag	Rochester
Dean, Arthur Hobson	1921 A	Ithaca
Dean, Barclay Dayfoot	1922 C	Seattle, Wash.
Dean, Carl Emmett	1922 C	Corry, Pa.
Dean, Charles Willis, jr.	1923 M	Ridgewood, N. J.
Dean, Marion	1921 Ag	Niagara Falls
Dean, Sophronia Margaret	1923 Ag	Trumansburg
De Baun, Roger Watson	Sp Ag	Roselle, N. J.
DeCamp, Clayton Earl	1923 V	Ithaca
DeCamp, Howard Eugene	Sp A	Ithaca
Dechert, Alvin William	1920 M	Buffalo
Decker, Charles Guy	1922 Ag	Elmira
Decker, Dwight Durand	1922 Ag	Owego
Decker, Edward Newell	1922 Ag	New York City
Decker, Martin	1923 Ag	Sussex, N. J.
Deering, Miriam Lamont	Sp Ag	Oneida
Deetrick, John Ward	1923 M	Youngstown, Ohio
Degener, Lyda May, A.B., A.M.	Grad	Philadelphia, Pa.
Degling, Albert Otto	1920 C	East Orange, N. J.
De Graff, Esther Clara	1920 Ag	Amsterdam
DeGress, Francis Barrett, jr.	1923 M	Glen Ridge, N. J.
Dehner, Marie	1920 A	Ithaca
Deitrick, Carroll Heiney	1921 M	Watsonstown, Pa.
Deitrick, Margaret Jane	1923 A	Mount Carmel, Pa.
De Jong, Ruth May	1923 A	Nyack
Delaney, Frances Mary	1922 C	Watervliet
DeLaney, James Michael	1921 V	Syracuse
DeLany, Dorothy Celia	1923 Ag	Ithaca
Delap, Helen	1923 A	Kansas City, Mo.
DeLavan, Jake Kenyon	Sp Ag	Ithaca
DeLong, Homer Craig	1922 M	Trumansburg
Demarest, Charles Albert	1922 M	Piermont
Demerec, Milislav	Grad	Krizevci, Yugoslavia

Deming, Elliot Humphrey	1923 A (Chem)	Middletown
Deming, Robert Treat	1923 Ar	Elizabeth, N. J.
Dengler, Frank George	1923 M	Lyons
Denler, Leo Nicholas	1922 Ar	Buffalo
Denlinger, Jesse Gerard, A.B.	Grad	Ithaca
Denneen, Edward Victor	1921 A	Buffalo
Dennis, Gerald Monroe	1922 M	Chicago, Ill.
Dennis, Olive Wetzel, A.B., M.A.	1920 C	Baltimore, Md.
Densmore, Richard Douglass	1921 A (Chem)	Erie, Pa.
Dent, Alberta	1920 Ag	Auburn
Denton, Gilbert Henry	1922 A	Denver, Colo.
DePue, Helen	1921 A	El Paso, Texas
DePuyt, Hazel Ewart	1923 Ag	Rochester
Des Prez, Louis Willoughby, M.D.	Sp MD (N.Y.C.)	Florence, Ala.
Dessaw, Kaj	1920 Ag	Copenhagen, Denmark
Desson, Leonard Joseph	1920 V	Ithaca
Detwiler, John Detweiler, B.A., M.A.	Grad	Chittenango
Deuel, Frances Barbara	1923 Ag	Herkimer
Devenbeck, Floyd Cornelius	1921 M	Barneveld
DeVult, Harold Moon	1922 V	Pittsburgh, Pa.
Dewar, Joseph Kyle	1922 A	Castile
Dewey, Dorris Bell	1921 A	Brooklyn
Deylen, Sophie Marie	1921 A	Paterson, N. J.
deYoe, Leon, A.B., M.D.	Sp MD (N.Y.C.)	Fargo, N. Dak.
Dial, Morse Grant	1920 M	New York City
Diamant, Gertrude	1923 A	Pine Hill
Diamant, Joseph	1920 A (Chem)	New Brighton
Diamond, Joseph Henry, A.B.	1922 M.D. (N.Y.C.)	Buffalo
Dicianni, Leo James	1922 M	New York City
Dick, Michael	1921 A	Philadelphia, Pa.
Dickins, George Francis	1922 M	Ithaca
Dickinson, Dorothea Claire	1923 Ar	Hudson Falls
Dickinson, John LeRoy, jr.	1921 Ag	Wilmington, Del.
Dickson, Albert Charles	1921 A	Montclair, N. J.
Dickson, Charles Keith	1922 A	Bovina Center
Dickson, Marjorie Isabel	1923 A	Buffalo
Dieckmann, Johanna Mary	1921 A	New York City
Diehl, Edward Peter	1924 C	Johnstown, Pa.
Diehl, Joseph Emanuel	1923 Ag	New Orleans, La.
Dietze, Charlotte Amy, A.B.	Grad	Dunkirk
Dietzen, Hugh Nicholas	1921 Ag	Forestville
Dikeman, Raymond Charles	1922 Ag	Buffalo
Dill, Florence Mary	Grad	Woodmere
Dimelow, Grace Catherine	1920 Ag	Oswego
Diment, Horace Kinney	1920 A	Ithaca
Dimmick, Forrest Lee, A.B.	Grad	Albion
Dinge, Ferdinand Charles	1921 Ag	Burlington, Ont. Canada
Dingle, Della Sara	1922 A	St. Louis, Mo.
Dings, William	1922 A (Chem)	Norwalk, Conn.
Disbrow, Jayne	1921 A	Elmira
Diven, George Maxwell, jr.	1923 A	Coatesville, Pa.
Doan, Joseph Ellsworth, jr.	1920 Ar	Yonkers
Dobroscky, Irene Dorothy	1923 Ag	New York City
Dockerill, Walter John	1921 Ag	New York City
Dodd, Wilson Farnsworth, Litt.B.	1920 MD (N.Y.C.)	Xenia, Ohio
Dodds, Dorothy Day	1920 A	Ithaca
Dodge, Loren Newell	1921 V	Cleveland, Ohio
Dodge, Wilson Shannon	1921 M	Buffalo
Dodson, Torry DeWitt	1920 A	Trenton, N. J.
Dodson, Willard Forrest	1922 M	New Rochelle
Doelling, Hans Alfred Adalbert	1920 A	New York City
Dohm, William Herman	1922 V	Gasport
Dohring, Ferdinand William	1923 M	Clarksville, Tenn.
Dohrmann, William Frederick	1920 A	Walton
Doig, Russell Irving	1923 Ag	Long Island City
Dolcort, Estelle	1923 A	Stonington, Conn.
Dollbaum, Henry Joseph	1923 M	New Paltz
Dolson, Guy Carleton Bayley, A.B.	Grad	Buffalo
Dominick, John Henry	1922 L	Southold
Donahue, Raymond Webb	1923 Ag	Sauquoit
Donahue, Walter Richard	1923 V	New York City
Donahue, William Bernard	1920 Ag	Grantwood, N. J.
Donaldson, Cortlandt Beekman	1920 M	Norwich
Donaldson, Lewis Henry	1923 Ag	Toledo, Ohio
Donaldson, Stuart Shaw	1923 M	Utica
Donlon, Mary Honor	1920 L	Washington, D. C.
Donnelly, Harry Hampton, B.S., A.M., M.D.	Sp MD (N.Y.C.)	South Amboy, N. J.
Donnell, Elva Rose	1923 A	Hartford, Conn.
Donner, Samuel	1923 MD (N.Y.C.)	Brooklyn
Donovan, Daniel Raymond	1923 A (Chem)	

Donovan, Harry Joseph	1920 Ag	New York City
Donovan, Thomas Leroy	1923 M	New Cumberland, W. Va.
Doolittle, Sidney Clark	1920 Ag	Utica
Doremus, Burton Terhune	1923 M	Red Bank, N. J.
Doremus, Thomas Peter	1921 A	Red Bank, N. J.
Dorr, Eleanor McElroy	1922 A	Ithaca
Dorrance, Henry Turner	1920 A	Camden
Dorrance, William Henry	1922 A	Camden
Dorsey, Ernest, B.S.	Grad	Dresden, Ohio
Doss, Nancy Elizabeth	1922 A	Shelbyville, Ky.
Doty, Elizabeth Martha	1923 A	Ironton, Ohio
Dougan, William Rolland	1922 A (Chem)	New York City
Douglas, John Arthur	1923 Ar	Ithaca
Douglass, Richmond, A.B.	1920 MD (N.Y.C.)	Shanghai, China
Dowd, Anthony Joseph	1923 C	Brooklyn
Dowd, John Donald, A.B.	1921 L	Salamanca
Downey, John Charles	1921 A (Chem)	Corry, Pa.
Downs, Ernest Waldo	1923 C	Danbury, Conn.
Downs, Paul Andrew, B.S.	Grad	Waterbury, Conn.
Downs, Sewell Henry	1922 M	Riverhead
Drackett, Ernest William	1923 Ag	Morgan City, La.
Dragnet, Edward Saul	1920 L	Hartford, Conn.
Drago, Louis	1920 A, 1922 L	Brooklyn
Drake, Eugene Tolman	1921 Ag	Auburn
Drake, Paul Woodhull	1921 Ar	Morristown, N. J.
Dreiblatt, Martha	1922 A	Brooklyn
Drew, Marion Ruth	1923 A (Chem)	Tupper Lake
Drucker, Fannie Dollinger	1923 A	New York City
Druckerman, George Jacob	1923 Ag	Brooklyn
Drury, Frederic Franklin, jr.	1923 M	Gouverneur
Duboe, Carlos Héctor	1923 M	La Plata, Argentina, S. A.
DuBois, Harold Arthur	1922 Ag	Ridgewood, N. J.
DuBois, Raymond Van Orden, B.S.	Grad	Forest Glen
Dubreucq, Maurice Francis	Sp A	Mons-en-Barceul par Lille, France
Ducasce, Vidal	1920 C	Havana, Cuba
Duchesne, A. Margaret Mendenhall	1923 A	Buffalo
Duddy, Katharine	1921 Ag	Newark, N. J.
Dudley, Alice Amelia	1923 A	Bath
Dudley, Harold Jenkins	1922 C	Silver Creek
Dudley, William Brown, A.B., M.D.	Sp MD (N.Y.C.)	Martinsville, Va.
Duffies, Edward Lowe	1921 C	Washington, D. C.
Duffies, Stanley Brittain	1920 Ag	Washington, D. C.
Dugan, Harold Herbert	1923 M	New York City
Duley, Wade	1923 A	Port Jervis
DuMond, Frank Lee, B.S.	Grad	Kingston
Dunbar, Clarence William	1921 Ar	Cleveland, Ohio
Duncan, Albert Stanley	1922 M	Brooklyn
Duncan, Charles Eugene	1920 V	Brooklyn
Duncan, Gilbert Wade	1920 M	Pittsburgh, Pa.
Duncan, Natalie Woodland	1920 Ar	Ithaca
Duncan, Walter Irving Lincoln	1920 Ag	New York City
Dungan, Deaderick Chandler	1923 A	Little Rock, Ark.
Dungan, Mary Adah	1923 A	Washington, D. C.
Dunham, George Shellabarger	1922 M	Chicago, Ill.
Dunham, Norma Helen	1921 Ag	Liverpool
Dunlap, Vining Campbell, A.B., A.M.	Grad	Bowdoinham, Me.
Dunleavy, Joseph Dewey	1922 M	Denver, Colo.
Dunn, Hazel Sarah, B.S.	Grad	Ithaca
Dunn, Percy Lawrence, B.S.	Grad	Ithaca
Durand, Anna Perry	1923 Ag	Minneapolis, Minn.
Durand, Walter Bates	1922 L	Manasquan, N. J.
Durfee, Rufus Lee, A.B.	1920 MD (N.Y.C.)	Binghamton
Durham, George Eugene	1920 Ag	Carthage, Mo.
Durham, Richard Ferris	1921 A	Greenville, S. C.
Durkee, John Gordon	1922 Ag	Clinton
Durland, George Reeve	1923 A	Goshen
Duryea, Garrett DeNyce	1921 A	Brooklyn
Duryea, Leslie Noyes	1922 M	Auburn
Dutton, Audley Reynolds	1922 M	Richmond, Vt.
Dwyer, John William	1922 A	Hartford, Conn.
Dwyer, Thomas Edward	1923 C	New York City
Dycke, Thomas Maguire	1924 A	New York City
Dyckman, Richard Plymurt	1920 A (Chem)	Orange, N. J.
Dye, Harold Galpin	1923 A	Rochester
Dyett, Edmond Granger	1923 C	Buffalo
Eagle, Bryan Munroe	1920 Ag	Little Rock, Ark.
Eagle, Evelyn Shawe	1923 M	Chicago, Ill.
Earl, Robert, jr.	1923 M	Herkimer
Eason, Norman Henry	1923 Ag	Schuyler Lake

Eastlack, Joseph O'Leon	1921 Ag	Woodbury, N. J.
Eastman, Roger	1920 Ar	Orange, N. J.
Eaton, Frank Gertrude	1920 A	Harrisburg, Pa.
Eaton, Mildred Estabrook	1922 A	Nyack
Eaton, Rodney Chapin	1923 Ag	Nyack
Ebberts, Alfred Raymond	1920 A (Chem)	Pittsburgh, Pa.
Eberhardt, Frederick Gordon	1922 M	Newark, N. J.
Ebersole, Harold Leon	1923 A	Montclair, N. J.
Ebersole, Raymond Arthur	1923 A	Montclair, N. J.
Eckerson, Harold Irving	1922 M	Akron
Eddy, Allerton	1921 CE	Canaan, Conn.
Eddy, Harold Henry	1923 Ag	Gainesville
Eddy, Laurence Wilson	1922 M	Bridgeport, Conn.
Edmonds, Eleanor Margaret	1921 A	White Plains
Edmonds, John Franklin	1923 M	Pittsburgh, Pa.
Edsell, Elizabeth Ada	1922 A	Cedarhurst
Edsell, Ralph James	1921 L	Cedarhurst
Edwards, Arthur Robinson	1922 A	Marysville, Ohio
Edwards, Calvin	1923 Ag	Philadelphia, Pa.
Edwards, Faye Lenore, A.B.	Grad	Ithaca
Edwards, Harold Bostwick	1922 A	Utica
Edwards, John Arthur	1924 M	Chattanooga, Tenn.
Edwards, John Chubbuck	1920 A (Chem)	Passaic, N. J.
Eidam, Bernhard Zorn	1923 Ag	Thompsonville
Eidt, George Dewey	1921 M	New York City
Eighmey, Lawrence Judson	Sp A	Ithaca
Eiler, J. Scott	1920 Ag	Pittsburgh, Pa.
Eisenberg, Helen	1923 A	Corona
Eisenbrandt, Alexander Schulz	1920 C	Baltimore, Md.
Eisner, Arthur	1923 M	Trenton, N. J.
Eisner, Benjamin	1920 C	Trenton, N. J.
Elder, Gertrude	1923 A	Rutherford, N. J.
Elkan, Stanley Abe	1922 C	Macon, Ga.
Elli, Edwardo L. E.	1921 M	Santiago del Estero, Argentina, S. A.
Elliott, Adelaide Hayward	1920 A	Dayton, Ohio
Elliott, Irving Miller	1921 M	Baltimore, Md.
Elliott, Lois Letitia	1921 A	Wabash, Ind.
Elliott, Martha Julie	1921 A	New York City
Elliott, William Perry, A.B.	Grad	New Berlin
Ellis, Dewey Dorchester	1913 A	Albany
Ellis, Douglas Stewart, M.A., B.Sc.	Grad	Kingston, Ont. Canada
Ellis, Edmund Kennedy	1923 C	Washington, D. C.
Ellis, William Douglas	1921 M	Atlanta, Ga.
Ellison, Lillian Katherine	1921 A	Williamsburg, Ky.
Ellsworth, Frank Harold	1921 A	Pittsfield, Mass.
Elmhirst, Leonard Knight, M.A.	1921 Ag	Elmhirst, Barnsley, England
Elmore, Earle Phillips	Sp Ag	Oncota
Elson, John James	1922 A	Tonawanda
Elwood, Willis Henry	1922 M	Lockport
Emerson, Alfred Edwards, B.S.	Grad	New York City
Emerson, Sterling Howard	1922 Ag	Ithaca
Emerson, Thera	1920 Ag	Ithaca
Emerson, Willard Ingham	1921 A	New York City
Emery, Robert Lee, jr.	1922 A	New Orleans, La.
Emery, Stephen Albert	1923 A	Brooklyn
Emery, William Thalheimer	1922 A	Brooklyn
Emiquez, Pedro Monzon	1923 Ag	Pilar, Bataan, P. I.
Engel, Samuel	1920 C	Brooklyn
English, Charles Carmen	1924 M	Pueblo, Colo.
Enos, Everett Emerson	1922 A (Chem)	Gouverneur
Enos, Merton Wilfred	1922 A	Batavia
Ensign, James Lee	1921 Ag	Rossville, Ga.
Ensworth, George Frederick	1920 M	Westfield, Mass.
Ephraim, Henry William	1923 Ag	Brooklyn
Epstein, Alfred, B.Sc.	1923 MD (N.Y.C.)	Los Angeles, Cal.
Epstein, Harold	1921 A	Brooklyn
Epstein, Haskel	1922 M	Brooklyn
Epstein, Mildred Helen	1922 A	Elmira
Erickson, Eric Sigfrid	1921 M	Brooklyn
Erickson, Rudolf Thure	1922 C	Harrison
Ernst, Elsa Sophia	1922 A	New York City
Errington, Jean Olive	1922 A	Staten Island
Erskine, Alice Hill	1921 A	New Brighton
Ertman, Vincent Albert	1922 Ar	Herkimer
Erwin, Kenneth McKay	1923 Ar	Addison
Eschweiler, Carl Ferdinand	1920 Ar	Milwaukee, Wis.
Eschweiler, Theodore Lincoln	1921 Ar	Milwaukee, Wis.
Eskesen, Aslag Hallum	1923 A	Perth Amboy, N. J.
Estabrook, Kenneth Charlie	1920 Ag	Horseheads
Esterbrook, Richard Andrews	1923 M	Cleveland, Ohio

Estey, Stephen Merritt	1922 M	Manlius
Etkowitz, Jennie Grace	1921 Ag	New York City
Evans, Asher Ward	1921 Ag	Newark Valley
Evans, Bruce Balfour	1923 A	Wichita, Kansas
Evans, Frances Lillian	1923 Ag	Cattaraugus
Evans, Frederick Stokes	1922 C	Beechwood, Pa.
Evans, Gwendolin Harriet	1921 A	New York City
Evans, Jeannette, B.S.	1922 MD (N.Y.C.)	Windsor
Evans, Lewis C.	1924 L	Helena, Mont.
Evans, Llewelyn Price	1920 Ag	Cassville
Evans, Mildred Olive	1924 Ag	Niagara Falls
Evans, Phyllis Miriam	1923 A	Dorrancton, Pa.
Evans, Robert Elwood	1923 A	Masonville, N. J.
Evans, William Harold	1922 C	Rome
Everett, Oliver Elmore	1921 Ag	Nichols
Everhard, Robert Holloway	1921 L	Canton, Ohio
Everitt, John Samuel, B.S.	Grad	Sayre, Pa.
Everitt, William Littell	1921 M	Peekskill
Everitt, William Wilson	1922 M	West Haven, Conn.
Everts, Frank Orthwein	1921 M	Los Angeles, Cal.
Everts, Herman Price	1923 Ag	Auburn
Ewald, Henry, jr.	1921 L	Denville, N. J.
Ewald, Walter August Julius	1922 Ag	Utica
Ewing, Edward Raymond	1920 M	Yonkers
Eyre, Francis Howlett	1922 Ag	Little Valley
Eyrich, Paul Reber	1920 M	Phoenixville, Pa.
Eyster, Lewis Arthur, A.B.	Grad	Fishers Ferry, Pa.
Eyster, William Henry, A.B., A.M.	Grad	Ithaca
Fabel, Donald Criston	1921 A	Cleveland, Ohio
Fabianski, Edward Sydney	1923 A	Buffalo
Fahl, Stella Reed	1923 Ag	Reading, Pa.
Fairchild, Frank Earle	1921 M	Brooklyn
Fairfax, Charles Crittenden	1921 M	Geneva
Falconer, Frank Miller	1921 A	Jamestown
Falconer, Harold Alexander	1923 M	Chicago, Ill.
Fallon, Virginia Macgregor	1923 Ar	Mineola Gardens
Fanaberia, Yefin Iosifovitch	1921 Ag	Brest Litovsk, Russia
Fang, I. Pu	1923 C	Peking, China
Fanning, Grace Kathryn	1921 A	Oswego
Faris, Frederic	1923 Ar	Wheeling, W. Va.
Farley, Edward John	1924 M	New York City
Farley, Theodore Sumner	1921 M	Ithaca
Farnham, Richard Bayles	1923 Ag	Ithaca
Farnham, William Hursh	1920 A	Buffalo
Farnsworth, Harold DeForest	Sp Ag	Marion
*Farquhar, Arthur	1923 A (Chem)	York, Pa.
Farr, Archie Keith	1921 A	Cranberry Creek
Farr, Muriel Eldra	1920 A	Cranberry Creek
Farr, Walter John	1922 A	Hoboken, N. J.
Farrell, Peter Thomas	1922 A	Corona
Farrington, William Jennison	1921 M	Greenwich, Conn.
Faulhaber, Ethel	1921 Ag	New York City
Faulhaber, Malcolm	1923 Ar	New Rochelle
Faust, Clarence Charles	1923 M	Buffalo
Fay, Alfred Lester	1920 C	Longmeadow, Mass.
Fayer, Charles	1922 M	Elmhurst
Fayer, Julia	1922 M	New York City
Fearing, Ashton Cushing	1920 Ag	New Rochelle
Fearnside, Robert Lehmann	1923 A	Bowling Green, Ohio
Feehan, Arthur Joseph	1920 Ag	Ithaca
Feehan, Hugh Vincent	1921 Ag	Ithaca
Fein, Morris	1922 M	Brooklyn
Feinberg, Clement, A.B.	1923 MD (N.Y.C.)	New York City
Feinson, Samuel Henry	1922 C	Brooklyn
Feitelberg, Abraham	1923 MD (N.Y.C.)	New York City
Feldman, Joseph Jay	1922 M	New York City
Feldman, Samuel	1920 A	Brooklyn
Feldstein, Elwood Gerard	1922 A	New York City
Felmer, Calvin Douglas	1921 L	Baltimore, Md.
Felt, Ernest Porter	1923 A	Nassau
Felter, Robert Kenneth	1920 A	Pearl River
Fenigston, Sylvia Constance	1923 A	Mount Vernon
Fenigsohn, Julius Shapiro	1923 A	Newport News, Va.
Fenn, Elizabeth	1923 Ag	Aurora
Fenner, Gertrude E. Southworth	1921 A	Holley
Fenton, Lucius Barzillai	1922 Ag	Nunda
Ferguson, Russell Sweetser	1920 MD (N.Y.C.)	New York City

*Deceased.

Fernald, Evelyn Ida, A.B.	Grad	West Groton, Mass.
Fernow, Karl Hermann, B.S.	Grad	Waterport
Fernschild, Edward Berent	1920 Ag	New Rochelle
Ferrand, Elsie Margaret	1920 A	Gardenville
Ferres, Walter Dean, jr.	1921 A	Ridgewood, N. J.
Ferris, Harold	1924 M	Rhinebeck
Ferris, Seymour Washington	1921 A (Chem)	Springfield, Mass.
Fertel, Arthur	1921 C	Brooklyn
Fichandler, Carl	1923 A (Chem)	Brooklyn
Ficken, James Franklyn	1920 Ag	Highland Falls
Fiedler, George Henry	1921 M	Rochester
Field, Alden Waterbury	1922 M	Kalamazoo, Mich.
Fincher, Myron Gustin	1920 V	Corfu
Fine, Abraham, A.B.	1922 MD	Brooklyn
Fingado, Gustav Albert	1921 M	Staten Island
Finkelstein, Alfred Lewis	1921 L	Waterbury, Conn.
Finkelstein, Henry Leon	1921 L	Ithaca
Finklestein, Joseph George	1920 L	Albany
Finkernagel, William Edward	1920 M	New York City
Finn, Thomas David, jr.	1921 C	Exeter, N. H.
Finney, Ronald Tucker	1921 A	Emporia, Kansas
Firreno, Jacob Robert	1923 A	Brooklyn
Fisch, Samuel Thomas	1921 Ag	Corona
Fischer, Alfred Elias, A.B.	1923 MD (N.Y.C.)	New York City
Fischer, Charles William	1920 A (Chem)	Atlantic City, N. J.
Fischer, Harold John	1920 M	Buffalo
Fischer, Jean Anna	1921 A	Aspinwall, Pa.
Fischer, Robert Morris	1922 A	New York City
Fish, Margaret Arethusa	1923 A	Ithaca
Fish, Milton Hart	1923 Ag	Dundee
Fisher, Albert Crandell	1922 A	Syracuse
Fisher, Charles Arthur	1922 Ag	Brooklyn
Fisher, Charles Desiderius	Sp Ag	Morristown, N. J.
Fisher, Elbert Russell	1922 A	Mount Tabor, N. J.
Fisher, Harold Snedaker	1920 C	Buffalo
Fisher, Henry Clayton	1924 M	Pittsburgh, Pa.
Fisher, Howard Stockman	1920 M	Jersey City, N. J.
Fisher, Julia Gertrude	1922 A	Clayville
Fisher, Leicester Wright	1920 A	Huguenot Park
Fisher, Mary Jones, A.B., A.M.	Grad	Ithaca
Fisher, Robert Bradley	1922 M	Ithaca
Fishman, Benjamin N.	1920 C	Brooklyn
Fiske, Charles Stewart	1921 M	Baltimore, Md.
Fiske, Frederick Ebell, A.B.	Grad	Ithaca
Fitch, Lewis Elmer	1922 Ag	Windsor, Vt.
Fitts, Kenneth Linton	1923 M	Ardmore, Pa.
Fitz, Henry Irving	Sp M	Feconic
Fitzer, Mildred Julia Elizabeth	1922 A	Dunkirk
Fitzgerald, Edward Marcus	1923 M	Minden, La.
Fitzgerald, James Bradford	1921 L	Roscoe
Fitzpatrick, Paul Early	1921 C	Buffalo
Fix, Frederick William, jr.	1923 M	Chicago, Ill.
Flagg, Alfred Glennon, A.B.	1923 MD	Worcester, Mass.
Flaatt, John Solon	1922 M	Aurora, Mo.
Fleckenstein, Eaymond Herbert	1922 A (Chem)	Ellenville
Fleet, Florence Perrott	1921 A	Huntington
Fleischmann, Julian Ralph	1923 M	New York City
Fleming, Grace Elizabeth	Sp Ag	Chilton
Fleming, John Fleming	1922 Ag	Brooklyn
Fleming, John Joseph, jr.	1923 C	Burlington, Iowa
Fleming, John Winters	1924 A	Buffalo
Fletcher, Charles Henry	1922 A (Chem)	Detroit, Mich.
Fletcher, David Owen	1923 Ag	Ithaca
Flick, Miriam Hilliard	1924 Ar	Dayton, Ohio
Flint, Joseph Howard, B.Chem.	1924 A (Chem)	Athens
Florio, Anthony John	1923 M	Cobleskill
Florsheim, Harold Milton	1920 A	Chicago, Ill.
Flumerfelt, Walter Edson	1923 A (Chem)	Chenango Forks
Fog, Constance Elizabeth	Sp Ag	Copenhagen, Denmark
Fogg, Russell Harding	1920 A	Toledo, Ohio
Folks, Evelyn Esther	1923 A	Yonkers
Fonda, John Sutliff	1922 A (Chem)	Johnstown
Footo, Eleanor Margaret	1921 A	Lockport
Footo, Howard John	1923 V	Yonkers
Footo, Leonard	1920 M	Pedro Miguel, Panama
Footo, Orlando Bailey, jr.	1922 Ag	Hobart
Forbes, Wilbur Jameson	1921 Ag	Colebrook, N. H.
Force, Albert William	1920 Ag	Ithaca
Ford, David Cooley	1922 A (Chem)	Ashtabula, Ohio
Ford, Harold Willis	1923 M	Belleville, N. J.

Ford, Raymond Oakley	1923 M	East Orange, N. J.
de Forest, Mulford David	1921 Ag	Schenectady
Formanns, Ernest August Joseph	1923 M	Paterson, N. J.
Forster, Murrill Hamilton	1921 C	Buffalo
Fortune, Ethel Margaret	1920 Ag	Malone
Foster, Adriance Sherwood	1923 Ag	Elizabeth, N. J.
Foster, Dudley Edwards	1922 M	Morristown, N. J.
Foster, Edward Swanson	1921 A	Carbondale, Kansas
Foster, Florence Jane	1923 Ag	Homer
Foster, Francis Gregg	1923 A	Kansas City, Mo.
Foster, Hodgen Torrey	1922 M	Utica
Foster, Ruth	1920 A	Central Park
Fouts, John D., M.D.	Sp MD (N.Y.C.)	Dayton, Ohio
Fowler, Agnes	1921 Ag	Hempstead
Fowler, Alexander Daniel	1923 M	Florence, Ala.
Fowler, Gethin Thomas	1922 L	Salt Lake City, Utah
Fowler, Roland George	1922 M	Newfield
Fox, DeForest Eben, A.B.	Grad	Worcester
Fox, Harry Gustave	1923 A	Geneva
Fox, Sarah	1923 Ag	New York City
Fox, Theresa Anna	1921 A	Buffalo
Fox, Willoughby Beresford	1921 C	New Orleans, La.
Fraats, Helen Maisie	1921 Ag	Sharon Springs
Francais, Frederic Jules	1923 A	Westhampton Beach
France, Edwin Ainsworth	1923 M	Philadelphia, Pa.
France, Morris Giles	1921 V	Seward
Francis, Howard Nelson	1922 L	Syracuse
Francis, James Franklin	1922 M	Shamokin, Pa.
Francis, Reese Richard	1923 C	Belleville, N. J.
Frank, Harold Jerome	1922 A	Ogdensburg
Frank, Jacob Lyall Louis	1921 Ag	Buffalo
Frank, James Vernon	1922 L	Poplar Bluff, Mo.
Franklin, Paul Benjamin	1920 A	New York City
Frantz, John Clark	1923 M	Seneca Falls
Franz, Paul Justus	1923 C	Philadelphia, Pa.
Fratantuono, Frank Anthony, jr.	1920 M	Philadelphia, Pa.
Fratt, Nicholas Diller	Sp A	Everett, Wash.
Freeman, Milton Oliver	1923 C	Barberton, Ohio
Freeman, Ralph Francis	1921 M	Mendham, N. J.
Freeman, Ray McArthur	1923 A	Gouverneur
Freeman, William Roland Miller	1920 Ag	Carthage
Freer, Charles Bessely	1923 V	Ellenville
Freer, George Hoyt	1923 V	Ellenville
Freilich, Sidney Harold, B.S.	1923 MD (N.Y.C.)	New York City
Frenaye, William Eagleton, jr.	1922 M	Coronado, Cal.
French, Dorothy Chandler	1922 Ar	New York City
French, Katherine Bennett	1922 Ar	Ypsilanti, Mich.
French, Thomas Morton, A.B.	1920 MD (N.Y.C.)	Jamaica
French, Walter Hoyt	1920 A	Oak Park, Ill.
Freston, Julian Maxwell	1921 A	Highland
Fretz, Barbara Catharine	1923 A	Easton, Pa.
Freund, Regene Robinson	1920 L	New York City
Freytag, Charles August, A.B.	1923 MD (N.Y.C.)	West Orange, N. J.
Friderici, Kenneth Schuyler	1920 V	Amsterdam
Friderici, Robert Jonas	1923 A	Amsterdam
Friedlich, Robert Emanuel	1921 A	Rochester
Friedman, Bernard	1923 A	Elmira
Friedman, Eli Maurice, B.A.	Grad	Massena
Friedman, Julius Leo	1922 Ag	Brooklyn
Friedman, Sarah Pearl	1923 A	New York City
Friedman, Sidney, A.B.	1922 MD (N.Y.C.)	New York City
Friedman, William Edward	1921 A (Chem)	Brooklyn
Fries, Madeline, A.B.	1921 MD (N.Y.C.)	Brooklyn
Fries, Margaret Evelyn, B.A.	1920 MD (N.Y.C.)	New York City
Fritz, Eduard, jr.	1920 C	Poughkeepsie
Fritz, Horace Harper, jr.	1921 A	Philadelphia, Pa.
Fritzsche, Alfred Louis, jr.	1923 M	Cleveland, Ohio
Fritzsche, Paul Herman	1924 M	Cleveland, Ohio
Frobisher, Martin, jr.	1922 Ag	Englewood, N. J.
Frolichstein, Leona C.	1922 A	Far Rockaway
Frona, Francisco Mamaclay, B.Agr.	Grad	Aliaga, Nueva Ecija, P. I.
Froomess, Sara Aurelia	1923 MD	Elizabeth, N. J.
Frosch, Valerie Elfrieda	1920 A	Herkimer
Frost, Harry Bell	1923 M	Wyckoff, N. J.
Frost, Russell Welland	1923 A	Hamilton, Ont. Canada
Frucht, Arthur Israel	1920 Ag	Brooklyn
Fry, Homer Lee	1920 Ag	Denton, Texas
Fry, Miles William	1921 Ag	Ephrata, Pa.
Frye, James Blaine	1922 A (Chem)	Gouverneur
Fryer, George von Albade	1923 A	Syracuse

Fuchs, William	1922 A	New York City
Fudge, Russell Gerard	1922 L	Elmira
Fuller, Andrew James	1922 M	Herkimer
Fuller, Avery Edward	1923 C	Holley
Fuller, Harold Van Marter	1920 Ag	Groton
Fuller, Howard Charles	1923 M	New Hartford
Fuller, James Ellsworth	1920 Ag	East Hartford, Conn.
Fuller, James West	1920 V	Springville
Fuller, William Harrison, jr.	1923 M	Silver Creek
Fullington, Benjamin Warder	1922 A	Columbus, Ohio
Fulton, Elizabeth Mills, A.B.	1921 MD (N.Y.C.)	Massena
Funnell, Bertha Hewett	1922 A	Huntington
Furlong, Ruth Earl	1923 A	Auburndale, Mass.
Furman, Seneca	1924 Ag	New York City
Furst, Harold Landry	1923 C	Baltimore, Md.
Furuseh, Ingrid	1924 A	Rasten Station, Norway
Gabriel, Ellen Wigsten, A.B., A.M.	Sp Ag	Watkins
Gabriel, Harry S., B.S.	Grad	Watkins
Gaccione, Anthony Salvator	1921 A	Lyndhurst, N. J.
Gaffron, Carl William	1921 C	St. Louis, Mo.
Gager, Howard Winthrop	1922 M	Columbus, Ohio
Gagne, Charles, B.Litt., B.Agr.	Grad	St. Gilles, Lotb., Canada
Gahan, Emanuel	1923 A	New York City
Galbreath, Mitchell Tift	1922 M	Brooklyn
Gale, Manly Mason	1920 Ag	Groton
Gale, William McClure	1922 M	New York City
Galinsky, Samuel	1921 V	Utica
Gallagher, Dean Hasbrouch	1921 M	East Syracuse
Gallagher, Thomas Francis	1923 A	Danbury, Conn.
Galland, Walter Isaac, A.B.	1921 MD (N.Y.C.)	Wilkes-Barre, Pa.
Gallison, Davis Thayer, Ph.B.	1923 MD (N.Y.C.)	Franklin, Mass.
Gallivan, Peter Coleman	1922 M	Buffalo
Gallman, Waldemar John	1921 A	Wellsville
Gallup, Theodore, A.B.	1923 MD (N.Y.C.)	Cassville
Galumbeck, Minnie	1923 A	Norfolk, Va.
Gamble, Dean La Fever, B.S.	Grad	Ithaca
Gandia, Hector Epifanio	1920 M	Toa-Baja, P. R.
Gans, Carl Hamann	1922 A	High Bridge, N. J.
Garabedian, Vartan	1922 Ag	Bashkale, Armenia
Garcia, Cintron Raimundo	1923 A	Yabucoa, P. R.
Garden, Nelson Barker	1921 M	St. Louis, Mo.
Gardenier, Douglas Elton	1922 L	Herkimer
Gardiner, William Henry, B.A., M.D.	Sp MD (N.Y.C.)	Lima, Peru, S. A.
Gardner, Edward Clark	1921 A	Pittsburgh, Pa.
Gardner, Joseph Charles	1922 Ag	Hudson Falls
Gardner, William Howlett	1923 A (Chem)	Port Washington
Garey, Walter Carney	1923 A	Elmira Heights
Garfinkel, Harry	1922 C	Brooklyn
Garmey, Clifford Ronald	1920 M	Brooklyn
Garnar, Elizabeth Ogden	1921 A	Luzerne
Garnsey, Hamilton, jr.	1923 M	Seneca Falls
Garrabrant, Robert Bayard	1922 C	Bloomfield, N. J.
Garrett, Davy Lewis, M.D.	Sp MD (N.Y.C.)	Altus, Okla.
Garrett, Henry Harrison	1922 A	Pittsburgh, Pa.
Garrett, Theodore Schiffer	1923 A	Edgewood, Pa.
Garrick, Thomas Joseph, A.B.	1923 MD (N.Y.C.)	Somerville, Mass.
Garside, Charles Clifford	1921 L	Meriden, Conn.
Gaskill, Gussie Esther, A.B., A.M.	Grad	Lawrence, Kansas
Gately, Lewis Brown	1921 M	Mamaroneck
Gates, Catherine Maria	1922 A	Oneonta
Gates, Donald Edson	1923 M	Washington, D. C.
Gates, Edward Crossett	1921 M	Crossett, Ark.
Gates, Roger Higbee	1923 M	Washington, D. C.
Gaty, John Pomeroy	1923 M	Morristown, N. J.
Gaty, Lewis Rumsey	1923 M	Morristown, N. J.
Gauger, William Henry	1920 A (Chem)	Buffalo
Gauntt, Edwin Amor	1923 A	Jobstown, N. J.
Gause, Angie Leah	1923 Ag	Quarryville, Pa.
Gavett, Joseph William, jr., M.E.	Grad	Plainfield, N. J.
Gavett, Robert Malcolm	1920 Ag	Plainfield, N. J.
Gavin, Helen, M.A.	1922 MD (N.Y.C.)	New York City
Gawne, Spenser Stranahan	1921 A	Cleveland, Ohio
Gee, James Gilliam, B.S.	Grad	Columbia, S. C.
Geer, Deyo Lewis	1923 Ag	Avoca
Geer, Laura Loretta	1923 A	Marathon
Geertz, Alan Ormsbee	1922 M	Montclair, N. J.
Geertz, Eric	1923 M	Montclair, N. J.
Gehring, William Henry Charles	1923 M	Honolulu, Hawaii
Geibel, Victor Budd	1921 A	Greenwich, Conn.

Geisenhoff, Ruth	1920 Ag	Oneida
Gelb, Maurice, B.S.	1920 MD (N.Y.C.)	New York City
Gelber, Charles	1920 Ag	Brooklyn
Gennis, Milton H.	1921 M	Dolgeville
George, Eleanor Miller	1921 Ag	Freeville
George, Mary Beatrice	1923 Ag	Ithaca
Georgia, Frederick Raymond, B. Chem.	Grad	Ithaca
Gerbereux, Eugene Wilson	1924 M	Yonkers
Gerken, Edward Ridley	1920 M	Brooklyn
Germer, Alan	1922 A	Franklin, Pa.
Gerould, Walter Blakesley	1921 A	Chicago, Ill.
Gerow, Lilian Frances	1921 A	Boston, Mass.
Gershberg, Benjamin	1921 A	Albany
Gershel, George Falk	1922 M	New York City
Gershoy, Leo, A.B.	Grad	New York City
Gibb, John Collins	1921 M	Ithaca
Gibb, Mary Murison	1922 Ar	Ithaca
Gibbon, William Rose	1920 M	Los Angeles, Cal.
Gibbs, Marian Esther	1923 Ag	Homer
Gibbs, Roy Delbert	1922 Ag	Ellenburg Depot
Gibson, Harold Donavon	1923 M	Cleveland, Ohio
Giddings, Edward Burr	1921 Ag	Baldwinsville
Giesler, Helen Mildred	1923 Ag	Washington, D. C.
Gifford, Adele	1920 Ag	Newark, N. J.
Gifford, Harold Benedict	1922 L	Gloversville
Gilbert, Carl Frederick	1923 Ag	Ithaca
Gilboy, William Owen	1924 C	Auburn
Gilfillan, Robert Landon	1923 A	Memphis, Tenn.
Gill, Edith Adele	1921 A	Philadelphia, Pa.
Gill, Nellie Frances	1923 M	Scranton, Pa.
Gillan, Paul LaVerne	1920 A	Waverly
Gillespie, George Earl	1922 A	North Tonawanda
Gillespie, Louis Frank	1920 C	Springfield, Ill.
Gillett, Maurice Edwin	Grad	Niagara Falls
Gillett, Roy Lewis, B.S.	1923 A (Chem)	Ithaca
Gillette, Guy Raymond	1921 M	Oil City, Pa.
Gillette, Kenneth Gordon	Sp A	Grahamsville
Gillette, Paul	1922 M	Ithaca
Gillies, George Matthew	1923 A	Elizabeth, N. J.
Gilligan, Charles Francis	1922 L	Shortsville
Gilliland, Mathias Wesley	Grad	Dallas, Texas
Gillis, Merl Conrad, B.S.	Grad	South Bend, Ind.
Gilman, Herbert Lester, D.V.M.	1923 A	Ithaca
Gilman, Wilbur Elwyn	1922 L	Amsterdam
Gilmore, Albert Vernon	1923 Ag	Rockaway Beach
Gilmore, John Elton	1920 A	Holcomb
Gilmour, Madeline Fay	1924 Ar	Vernon
Gilson, Frank Covell	1922 A	Edmeston
Ginsberg, Diana Lucy	1923 A (Chem)	Brooklyn
Ginsberg, Harry	1921 L	Brooklyn
Ginsburg, Abram	1923 MD (N.Y.C.)	Elmira
Giovinco, Joseph Bivona, A.B.	1922 C	Brooklyn
Girard, Peter Fred, jr.	1921 Ag	Rochester
Gist, Samuel Colver, jr.	1922 L	Ithaca
Giusti, Frank Louis	1922 Ag	Auburndale
Glann, Frederick Howland	1923 A	Apalachin
Glaser, Edith	Grad	Sayre, Pa.
Glaser, Jerome, A.B.	1922 M	Sayre, Pa.
Glaser, Sidney Udelle	1921 Ag	Sayre, Pa.
Glasier, Helen Hawley	1920 A (Chem)	Warsaw
Glasser, Benjamin Frank	1922 M	New York City
Glathe, Henry Bernhard	1922 A (Chem)	Brooklyn
Gleason, Charles Richard	Sp Ag	Van Wert, Ohio
Gleason, Julia	1923 Ag	Ithaca
Glicksberg, Charles Irving	1923 Ag	Brooklyn
Glicksberg, Herman	1923 MD	Brooklyn
Globus, Isabel	1923 A	Brooklyn
Goddard, James Eugene	1921 A	East Rochester
Godfrey, Lydia Lorinda	1922 MD (N.Y.C.)	Trumansburg
Goeller, Jacob	1921 M	Irvington, N. J.
Goessling, Albert Alston	1924 A	Mount Vernon
Goetz, Emily Brylanski	1922 Ag	Philadelphia, Pa.
Goetz, William Palmer	1922 Ag	Lancaster
Goff, Edith Adelaide	1923 A	Ithaca
Gohr, William Davis	1923 A	Cleveland, Ohio
Gold, Abraham Erwin	1922 MD (N.Y.C.)	Plattsburgh
Gold, Harry, A.B.	1923 L	Schenectady
Gold, Jacob Lewis	1921 A	Brooklyn
Goldberg, Emil	1923 A	Brooklyn
Goldberg, Ethel		Jamaica

Goldberg, Harry	1923 M	Brooklyn
Goldberg, Isidor, B.S.	1923 MD (N.Y.C.)	New York City
Goldberg, Myer Aaron	1924 A	New Bedford, Mass.
Goldberg, Samuel, M.D.	Sp MD (N.Y.C.)	McKeesport, Pa.
Goldklang, Bernard David	1923 A (Chem)	New York City
Goldowitz, George	1922 A (Chem)	Port Chester
Goldowitz, Herman Nathan	1921 L	Port Chester
Goldsmith, Harold Ellsworth	1922 A (Chem)	Mecklenburg
Goldstein, Lemuel Caro, A.B.	1921 MD (N.Y.C.)	New York City
Goldstein, Morris Charles	1921 A	New York City
Goldstein, Reita Marion	1922 Ag	Brooklyn
Goldstein, Samuel Joseph	1923 M	Brooklyn
Goldstein, William	1922 M	Brooklyn
Goltz, Hilda Lee	1921 Ag	Buffalo
Goltz, Roy Luther	1923 M	Chicago, Ill.
Gonzalez, Moreno Charles Albert	1923 V	Washington, D. C.
Gonzalez, Pedro Oscar	1923 C	Calimete, Matanzas, Cuba
Goodale, Edgar Clement	1923 M	Riverhead
Goodall, Robert Montgomery, A.B.	1921 Ag	Birmingham, Ala.
Goode, Clement Tyson, A.B., A.M.	Grad	Sweet Briar, Va.
Goodfellow, Margaret	1920 A	Indiana, Pa.
Goodman, Augusta	1923 A	Portsmouth, Va.
Goodman, Reina	1923 Ag	Jersey City, N. J.
Goodnow, George Nichols	1922 A	Highland Park, Ill.
Gooen, Samuel Hyman	1923 M	Newark, N. J.
Gordon, Alexander	1920 Ag	New York City
Gordon, Chauncey Jerome	1920 A	Brooklyn
Gordon, George Benedict	1920 Ag	Chappaqua
Gordon, Myron Alexander	1921 A	Sharon Springs
Gordon, Richard Camdon	1923 C	Pittsburgh, Pa.
Gordon, Sylvia	1923 A	New York City
Gorham, Donald Jewett	1923 Ag	Elbridge
Gorke, Frederick Kenneth	1920 Ag	Syracuse
Gorleri, Florentino	1923 M	Buenos Aires, Argentina, S. A.
Gorman, Clarence John	1921 L	Pulaski
Gotthoffer, Nathan	1922 A (Chem)	New York City
Gottschalk, Louis, B.A.	Grad	Ithaca
Gouinlock, Edward Vernon	1923 M	Warsaw
Gould, DeWitt Clinton	1921 Ag	Newark
Gould, Nathaniel Jay, M.D.	Sp MD (N.Y.C.)	Norfolk, Va.
Gould, Sidney Dean	1923 Ag	Freeport
Gove, Richard Everest	1920 A, 1923 MD	Peru
Graef, Irving Philip	1923 A	New York City
Graeser, Albert Clarence	1920 Ar	Charleston, S. C.
Graessle, Howard David	1921 A	Newport, Ky.
deGraff, Albert Hopkins	1921 Ag	Adams Center
Graham, David Selsor	Sp Ag	South Solon, Ohio
Grandin, Louise	1920 A	Westfield
Granirer, Louis	1923 A	Rockaway Beach
Grannis, Harriet Grosvenor	1922 Ag	Muncy, Pa.
Grant, Robert, jr.	1923 M	Brookline, Mass.
Grant, Robert Parks	1922 Ag	Clayton
Grant, Wilbur Franklin	1921 V	Ithaca
Grantham, Guy Everett, A.B., A.M.	Grad	Ithaca
Grantz, Abraham Isaac	1923 V	New York City
Grantz, Walter Anton Henry	1920 C	Brooklyn
Grasselli, Caesar Augustin, 2d	1923 A (Chem)	Cleveland, Ohio
Gratz, Levi Otto, A.B.	Grad	Bluffton, Ohio
Graves, William Brooke	1921 A	Gouverneur
Gray, Linsley Shepard	1921 A	Maine
Gray, Ralph	1921 C	Maine
Gray, Russell Warren	1921 Ag	Greene
Graybeal, Henry Clay, A.B.	Grad	East Radford, Va.
Graybeal, June, A.B.	Grad	East Radford, Va.
Green, Alice Cramer	1923 A	Philadelphia, Pa.
Green, Leonard Sanford	1922 L	New Rochelle
Green, Robert Sylvester	1920 Ag	Brooklyn
Green, Stephen Sanford	1923 M	Buffalo
Greenawalt, Irma May	1921 Ag	Denver, Colo.
Greenbaum, Louis Nathan	1923 L	Weehawken, N. J.
Greenbaum, Samuel Henry	1922 L	Weehawken, N. J.
Greenberg, Eva Estelle	1922 A	Philadelphia, Pa.
Greenberg, Herman	1922 A	Bay Shore
Greenberg, Percy Joseph	1923 Ag	Brooklyn
Greenburg, Charles Isadore	1921 C	Myerstown, Pa.
Greene, Jennie Edith	1923 A	Fultonville
Greene, Lewis	1920 A (Chem)	Brooklyn
Greenleaf, Abbott Hoff	1923 M	Cayuga
Greenwald, Hyman Tupper	1923 A	Cincinnati, Ohio
Gregory, Archibald Cyrus Edson	1921 L	New York City

Gregory, Hunter Lee, M.D.	Sp MD (N.Y.C.)	Chase City, Va.
Greil, Roman Jacob	1921 L	Montgomery, Ala.
Grider, Alexander Thomas H.	1921 M	Ithaca
Griffin, Ethel Mellows	1923 A	Valhalla
Griffin, Carrol Eskert	1922 A (Chem)	Lakewood, Ohio
Griffin, Clement Leroux	1920 A (Chem)	Stamford, Conn.
Griffin, Frank Alexander	1920 A (Chem)	Stamford, Conn.
Griffin, Harold Weeks	1923 C	Fleischmanns
Griffin, John Michael, M.D.,	Sp MD (N.Y.C.)	Warrensburg
Griffin, Mary Hulda	1920 Ag	Richmond Hill
Griffin, Smith George	1922 Ag	Ithaca
Griffith, Fred Crumb, A.B.	1920 C	Utica
Griffiths, Jeanne May	1921 Ag	Union Springs
Griggs, Edward Reginald	1921 M	Glens Falls
Grigson, William Herbert	1920 A	Westfield, Pa.
Grimm, Jay John, B.S.	Grad	Gainesville, Fla.
Grinnell, Harold Clayton	1921 Ag	Broadalbin
Griscom, Samuel Bettle	1922 M	Salem, N. J.
Griswold, Arthur Stewart	1921 M	Rocky Hill, Conn.
Griswold, Demetrius Wilbur	1921 M	Ithaca
Griswold, Frances Louise	1922 Ag	Ithaca
Griswold, Grace Hall, B.S.	Grad	Ithaca
Groene, William Ellsworth	1923 M	Cincinnati, Ohio
Groenewald, Johan Andries	1923 Ag	Cape Town, South Africa
Grogan, Matthew Joseph	1923 C	Rumson, N. J.
Grossfeld, Louis	1922 A	College Point
Grosshandler, Madeline Hilda	1922 A	Brooklyn
Groth, Alva Emma	1921 A	Jackson, Wis.
Grove, John Nelson	1922 A (Chem)	Williamsville
Grover, Arthur James	1922 Ag	Greene
Gsand, Helen Mae	1923 A	Philadelphia, Pa.
Guentert, Leo	1920 Ag	Utica
Guernsey, Dorothy Frances	1921 Ag	Cobleskill
Guernsey, Ezra Earl	1923 Ag	Cobleskill
Guerron, Luis Alberto	1923 C	Tulcan-Ecuador, S. A.
Guerrero, Benjamin, M.D.	Sp MD (N.Y.C.)	New York City
Guest, Wesley Tate	1921 M	Silver Creek
Guggolz, Marjorie Marion	1923 Ag	New York City
Guidano, Albert Joseph, A.B.	1923 MD (N.Y.C.)	New York City
Guiles, Marion Hitchcox, B.S.	Grad	Elmira
Guion, Imogene	1922 A	Seneca Falls
Guion, Norman Miles, M.D., C.M.	Sp MD (N.Y.C.)	Ottawa, Ont., Canada
Guldi, Frederick George	1923 M	Southampton
Gulick, Charles Ward	1922 C	Champaign, Ill.
Gumaer, George Stuart	1921 A	Weedsport
Gumboldt, Frank William	1921 C	Katonah
Gundaker, Guy, jr.	1924 M	Philadelphia, Pa.
Gunn, Francis Dowden	1921 A	Lexington, Ky.
Gurwitz, Benjamin Harrison	1920 A	Elmhurst
Gustafson, Axel Ferdinand, B.S., M.S.	Grad	Aledo, Ill.
Gutiérrez, Raul	1921 M	Havana, Cuba
Gutmann, Elsie	1921 Ag	Brooklyn
Gutwillig, William Stern	1922 A	Far Rockaway
Gwyn, Lewis Ruffner, jr.	1922 M	Buffalo
Haber, Solomon	1922 A (Chem)	Newark, N. J.
Hackathorn, Kenneth Kennard	1923 A	Lakewood, Ohio
Hacker, Stuart Holland	1923 Ag	New York City
Hadaway, William Stratton	1920 M	Montgomery
Hadley, Charles Edward	1923 Ag	Ithaca
Haecker, Julius Henry	1921 A (Chem)	Buffalo
Hagen, Dewey Admiral	1922 A (Chem)	Batavia
Hahn, Ray Lester	1922 Ag	Atwater
Haines, George, B.S., M.S.	Grad	Pleasantville
Hainsworth, Elarene Lucille D.	1922 A	Gloversville
Hale, Charles Brockway	1920 A	Greensboro, N. C.
Hale, Thurber William	1923 M	Akeley, Pa.
Hales, Rose Catherine	1922 A	Eltingville
Haley, Simon Alexander, B.S.A.	Grad	Savannah, Tenn.
Hall, Agnes Nelson	1921 A	Lockport
Hall, Clinton Griffey	Sp A	Detroit, Mich.
Hall, Edward Flemmon, jr.	1924 M	New York City
Hall, Frederick Abbey	1923 V	La Grangeville
Hall, Gladys Marie	1920 Ag	Oneida
Hall, Lincoln Norcott	1920 Ar	Chicago, Ill.
Hall, Louis Ribera	1923 M	San Angelo, Texas
Hall, Maynard Erwin	1920 M	Gloversville
Hall, Walter Jay	1921 V	Monroe
Hall, Wayne Willard, B.S.	1921 MD (N.Y.C.)	Collinsville, Ala.
Hallam, Helen Miriam	1922 A	Harpers Ferry, W. Va.

Hallock, James Russell	1922 M	Milton-on-Hudson
Halperin, Herman	1920 M	Hamilton, Ohio
Halpern, Max	1920 A (Chem)	Brooklyn
Ham, Eugene, jr.	1922 Ag	Verbank
Hamann, Henry Godfried Ferdinand	1922 Ag	Brooklyn
Hamburger, Louise Margaret	1920 Ag	Crestwood
Hamburgh, Howard Miller	1922 A	Fort Wayne, Ind.
Hamer, Robert Coit	1921 Ag	Renner, Texas
Hamilton, Carson Crandall	1922 A	Warrensburgh
Hamilton, Neale Russell	1923 Ag	Warrensburgh
Hamilton, Ralph Bergen, jr.	1924 M	Cleveland, Ohio
Hamilton, Robert Pierre	1923 Ag	Greenwich
Hammett, Waldo Bertram	1920 A	Portland, Me.
Hammond, Reginald Gower	1920 M	Chicago, Ill.
Hance, Francis Evald	1921 A (Chem)	Atlantic City, N. J.
Hancock, Alfred Graham	1920 Ag	Hamburg
Handel, Jayne	1922 A	New York City
Hanford, Ellen	1923 A	Walden
Hanlon, Walter Gerard	1921 A	Stapleton
Hanlon, Lawrence Vincent, jr., B.S.	1923 MD (N.Y.C.)	Staten Island
Hann, Charles Bertrand	1922 M	Baltimore, Md.
Hannifan, Marjory Mary	1923 Ag	Olean
Hannigan, James	1922 C	Forty Fort, Pa.
Hannigan, John	1924 M	Forty Fort, Pa.
Hannigan, William	1924 M	Forty Fort, Pa.
Hanschka, Herbert Laurence	1923 M	Newark, N. J.
Hanselman, George Raymond	1922 M	Dunkirk
Hanson, Leonard Christopher	1923 M	Veblen, S. Dak.
Hansson, Kristian Gosta	1920 A, 1923 MD	Engelholm, Sweden
Happ, George Bippus	1922 Ag	Port Jervis
Harber, Abraham Roscoe, B.S.	1920 MD (N.Y.C.)	New York City
Hard, Florence Elizabeth	1922 A	Flushing
Harden, James Henry, B.S.	1923 V	Brooklyn
Harding, Alice Bernice	1923 A	Albion
Harding, Elias Earl	1920 Ag	Albion
Hardy, John Everett	1920 A	Oil City, Pa.
Hardy, Ruth Louise	1923 A	Tappan
Haring, Delos Walker	1921 A	Buffalo
Harkness, Donald Daniel	1922 Ag	Elba
Harlow, Willis Young	1922 A	Hempstead
Harmon, Glenn Douglas	1921 V	Savannah
Harmon, Hazel	1920 Ag	Meriden, Conn.
Harper, Alexander Headley	1923 M	Philadelphia, Pa.
Harper, Grant	1922 M	Glencoe, Ill.
Harper, James Bailey	1922 M	Philadelphia, Pa.
Harrah, Frank West, A.B.	1920 MD (N.Y.C.)	Parlet, Ohio
Harratt, John Frederick	1922 Ag	Mamaroneck
Harrington, Frank William	1924 M	Littleton, N. H.
Harrington, Harold Ray	1922 M	Utica
Harrington, Howard Lewis	1922 M	Niagara Falls
Harrington, Norman Spencer	1921 M	Cleveland, Ohio
Harrington, Richard John	1923 C	Holyoke, Mass.
Harris, Dorothy Margaret, B.A.	Grad	Ithaca
Harris, Francis Livingston	1920 L	Chicago, Ill.
Harris, Goodwin Read	1924 A	Cobourg, Ont., Canada
Harris, Katharine Wyckoff	1922 Ag	Hasbrouck Heights, N. J.
Harris, Langdon Williams, jr.	1922 L	Newfield, N. J.
Harris, Meyer Mathews, B.S.	1920 MD (N.Y.C.)	New York City
Harrison, Arthur Millard	1923 M	Oxford
Harrison, Bernard James	1920 C	Brooklyn
Harrison, Galen Butts	1920 Ag	Oneonta
Harrison, George Emile, B.M.	1922 C	Santiago, Chile
Harrison, William, jr.	1920 A	Duluth, Minn.
Harrison, William Henry	1921 Ar	Indianapolis, Ind.
Harrowich, Esther Myrtle	1923 A	Cornwall Landing
Hart, Erskine Alexander	Sp Ar	Dayton, Ohio
Hart, John	1920 A	Charleston, W. Va.
Hart, Lane Schofield, 3d	1924 Ag	Duncannon, Pa.
Hart, Van Breed, B.S.	Grad	McLean
Harter, William Wells	1922 Ag	Parish
Hartman, Cary Tingley	1923 Ag	Cincinnati, Ohio
Hartman, Scott Woodring	1920 Ag	Sayre, Pa.
Hartmayer, Herbert William Keating	1920 C	Buffalo
Hartnett, John Broderick	1923 Ag	Buffalo
Hartt, Harold Arthur	1921 A (Chem)	Ravena
Hartzell, Gertrude	1923 Ag	Buffalo
Harwood, Reymour Elton	1923 M	Newfane
Hasbrouck, Carl Jay	1920 C	Highland
Hasbrouck, Clency Herman	1921 A	Idaho Falls, Idaho
Haskin, Charles Jay	1923 A	Cortland

Haskins, Frances Alden	1923 A	Brooklyn
Haskins, Lansing Southwick	1920 L	Seneca Falls
Hassan, Emin	1920 Ag	Brooklyn
Hatch, Madeline	1923 A	South Fallsburg
Hatz, Bernard	1921 A (Chem)	Brooklyn
Hauser, Edwin Toal, A.B.	1922 MD (N.Y.C.)	New York City
Hausman, Ethel Hinckley	1921 Ag	Ithaca
Hausman, Max	1922 L	New York City
Havelin, Julius Edward	1922 C	Brooklyn
Havey, Joseph Perry	1920 M	Yonkers
Haviland, Stanley Augustus	1923 M	Red Bank, N. J.
Hawkins, Russell, jr.	1923 M	Bay City, Ore.
Hawley, John Blackstock, jr.	1921 C	Fort Worth, Texas
Hawley, Laura Joy	Sp A	Rockford, Ill.
Hawley, Nathan Henderson	1921 Ag	Albany
Hayden, Helen Hannah	1922 A	Kansas City, Mo.
Hayner, George Arthur	1922 M	Dayton, Ohio
Haynes, Winfield Scott	1922 A	Starrucca, Pa.
Hays, Alfred McPherson	1921 Ag	Orient, Ohio
Hays, Charles Hodge, jr.	1922 M	North East, Pa.
Hays, James Solomon	1922 L	New Rochelle
Hayward, Harold Glenwood	1922 A (Chem)	Silver Creek
Hayward, Kenneth Edward Abner	1924 M	Bridgeport, Conn.
Haywood, Albert, jr.	1921 Ag	Flushing
Hazell, Cyril Ebenezer	1920 M	Alpena, Mich.
Hazen, Christina Louise	1920 A	Ithaca
Hazard, Gertrude Curtis	1921 A	Hancock
Hazzard, Lawrence Stephen	1922 L	Yonkers
Head, Clarence Chaddock	1923 A	Ithaca
Healy, Joel Watres	1922 M	Wilkes-Barre, Pa.
Heard, Randolph Alfred	1921 Ag	Ithaca
Hearn, John Byron	1923 C	Port Byron
Heartfield, Maurice Kingsley	1922 A	Newburgh
Heasley, Sylvester Merle	1923 C	Brookville, Pa.
Heath, Elfreda Curtis	1920 A	Green Island
Heath, Morgan Lewis	1921 M	Jamestown
Heath, William Russell	1922 M	Hamburg
Hebel, Irene Elizabeth	1922 A	Ithaca
Hebert, Walter Jones	1922 L	Hot Springs, Ark.
Hechtman, David	1923 Ag	New York City
Hedberg, Oren	1923 Ag	Ithaca
Hedden, Helen Marion	1923 A	Buffalo
Hedgcock, Elaine Ruthe	1920 A	Washington, D. C.
Heekin, James Robson	1923 A	Cincinnati, Ohio
Heffner, Roy Edward, A.B., B.S.	Grad	Clinton, Okla.
Heidke, Leroy Belknap	1923 Ag	Brooklyn
Heilbronn, Ralph	1923 A	Brooklyn
Heimnach, Robert Elwood, A.B.	1923 MD (N.Y.C.)	Quakerstown, Pa.
Heinzelman, Frederick Emil	1923 Ag	Warwick
Helfter, Geraldine Mary Magdalene, A.B.	Grad	Williamsville
Heliper, Oviatt Van Rensselaer	1924 M	Olean
Heller, Anne	1921 A	New York City
Heller, Carolyn Elizabeth	1923 Ag	Feura Bush
Heller, Daniel Hemingway	1921 Ag	Feura Bush
Heller, Mary Elizabeth	1922 A	Williamsport, Pa.
Hellmers, Walter	1923 Ag	New York City
Helmke, Edward Robert	1924 C	Buffalo
Helms, Orland Edward	1920 V	Randolph
Helps, Andrew James Ronald	1921 A (Chem)	Upper Montclair, N. J.
Hemmer, Andrew Joseph	1920 A (Chem)	Syracuse
Hemphill, Raymond John, B. Chem.	Grad	Jamestown
Hendel, Julius	1921 Ag	Oneida
Henderson, David Williams, M.D.	Sp MD (N.Y.C.)	Brigham, Utah
Henderson, Johnson St. Jacques	1923 A	Ogdensburg
Henderson, Lulu Elsie	1921 A	Kerhonkson
Hendler, Henry	1924 Ag	New York City
Hendrie, George Strathearn	1923 M	Grosse Pointe Farms, Mich.
Hendryx, Harriet Evelyn	1920 Ag	Ithaca
Hendryx, Thomas Kennedy	1923 Ar	Ithaca
Hengerer, Howard Betts	1921 M	East Orange, N. J.
Henkle, Curran Winslow	1922 M	Chicago, Ill.
Hennen, William Davison, M.D.	Sp MD (N.Y.C.)	New York City
Hennessey, Paul Keeley	1923 A (Chem)	Binghamton
Henrich, Grace Katharine	1923 A	Buffalo
Henry, Frank Charles, jr., A.B.	1921 MD (N.Y.C.)	Perth Amboy, N. J.
Henry, Frederic Thomas	1923 C	Canandaigua
Henry, Gordon Fuller, M.D.	Sp MD (N.Y.C.)	Fort Myers, Fla.
Hequembourg, Arthur Williams	1920 M	New York City
Hequembourg, Edward Grant	1920 M	New York City
Herben, George Foster, B.S.	1921 MD (N.Y.C.)	Westfield, N. J.

Herbert, Madeline Norma	1924 A	Atlantic City, N. J.
Herbert, Paul Anthony	1921 Ag	New York City
Herbst, Edward Abraham	1923 M	Brooklyn
Herly, Louis, M.D.	Sp MD (N.Y.C.)	New York City
Herman, Abbott Philip	1920 C	New York City
Herman, LeRoy Louis	1921 V	Williamsville
Hermann, Charles Edward	1921 C	St. Louis, Mo.
Hermann, Harold Bernard	1921 A	Brooklyn
Herr, Walter Frederick	1921 Ag	New York City
Herrick, Gladys Ethel	1920 Ag	Tunkhannock, Pa.
Herrick, Marvin Theodore	1921 A	Ithaca
Herriman, Morris Whitney	1920 C	River Forest, Ill.
Hershey, Frieda Wilcox	1921 A	Bloomington, Ind.
Herz, Monroe	1922 M	New York City
Herzig, Alfred Sebastian	1921 Ag	Brooklyn
Hess, Helen Marguerite	1920 Ag	Lyons Falls
Hettich, Ernest Leopold, B.A.	Grad	Ridgefield Park, N. J.
Hettinger, Harold Ingersoll	1921 C	Freeport, Ill.
Hewitt, Richard Miner, B.A., M.A.	1923 MD (N.Y.C.)	Middletown, Conn.
Heyendorff, Leo von	1920 Ag	Ithaca
Heyman, Joseph, M.D.	Sp MD (N.Y.C.)	New York City
Heywood, William Horace	1923 M	Stafford
Hickey, Frank Joseph	1923 M	Brooklyn
Hickey, James Francis	1921 A	Ithaca
Hickey, Madeline Margaret	1923 A	Ithaca
Hicks, Alfred Hallett	1922 Ag	New York City
Hicks, Gertrude	1923 Ag	New Rochelle
Hieber, Dorothy Barbara	1920 A	Utica
Hieber, Evelyn Margaret Caroline, A.B.	Grad	Utica
Hieber, John Theodore	1922 A (Chem)	Utica
Hiett, Lawrence Davison	1920 Ag	Toledo, Ohio
Higgins, Charles Wilcox	1921 V	Montezuma
Hilbert, Arnold Edward	1923 Ag	Candor
Hildreth, Wallace Leland	1922 Ag	Bridge Hampton
Hill, Bond Kinsley	1920 Ar	Freeport, Ill.
Hill, Edward David	1924 M	Scranton, Pa.
Hill, Henry	1923 Ag	New York City
Hill, Irene Marguerite	1922 A	Pleasantville
Hill, Leland Halsey	1921 M	Ozone Park
Hill, Louise Alfreda	1923 A	West Webster
Hill, William Holcombe	1922 M	Hopewell, N. J.
Hillidge, James Gruver	1923 M	Front Royal, Va.
Hillidge, Marcia Marie	1920 Ag	Front Royal, Va.
Hillidge, Ruth Snyder	1923 Ag	Front Royal, Va.
Hine, Willard Rudolph Bernard	1920 Ag	Gloversville
Hines, Agnes Margaret	1923 A	Albany
Hinrichs, Albert Ford	1921 A	Glen Ridge, N. J.
Hinrichs, Frederick	1922 M	Milwaukee, Wis.
Hipson, Caryl Blaine	1921 Ag	East Norwalk, Conn.
Hirsch, Cal Robert	1923 M	St. Louis, Mo.
Hirsch, Emanuel	1920 C	Amityville
Hirsch, Eric Donald	1921 A	Memphis, Tenn.
Hirschberg, Leon Frederick	1920 A (Chem)	Brooklyn
Hirsh, Benjamin Walter	1920 A	Memphis, Tenn.
Hirsh, Donald Jacob, B.S.	Grad	New York City
Hirshman, Leo	1923 Ag	Brooklyn
Hirshovitz, Samuel	1923 A	New York City
Hitchcock, Raymond Owen	1920 A, 1923 MD	Lyons
*Ho, Yun Huang, A.B.	Grad	Wuchang, China
Hoag, Philip Osborne	1922 M	Newark, N. J.
Hoagland, Charles Clinton, A.B., M.D.	Sp MD (N.Y.C.)	New York City
Hoagland, Donald	1920 Ag	Bridgeton, N. J.
Hobart, Alfred Logan	1921 M	West Springfield, Mass.
Hochman, Samuel, B.S.	1923 MD (N.Y.C.)	New York City
Hock, Walter Jacob	1923 A	Grosse Pointe Farms, Mich.
Hoddick, Julia Ida	1922 Ag	Buffalo
Hodell, Louis Ricketts	1923 A	New York City
Hodge, Allen Webster	1923 A (Chem)	Spragueville
Hodgkinson, Francis Piercy	1921 M	Pittsburgh, Pa.
Hodgson, Dorothy Rexford	1921 A	Buffalo
Hoefler, Fred Schmidt, B.S.	Grad	Columbia, S. C.
Hoehler, Anna Kimmel	1923 A	Philadelphia, Pa.
Hoel, Archie Bernhard, B.A.	Grad	Spring Valley, Wis.
Hoerle, John Miller	1921 M	Brooklyn
Hoff, Edwin James	1921 C	Ithaca
Hoff, Norman Shirley, B.S.	1921 M	Sheldon, N. Dak.
Hoff, Trygve Waldemar	1921 C	Montclair, N. J.
Hoffman, Edward Joseph	1921 A	Buffalo

*Deceased

Hoffman, Eldred Weaver	1923 Ag	Ithaca
Hoffman, Eugénie Isabelle	1922 Ag	Sea Cliff
Hoffman, Frank Adam	1924 M	Danbury, Conn.
Hoffman, Harry Brooks	1920 Ag	Elmira
Hoffman, Israel Kenneth	1921 MD (N.Y.C.)	Passaic, N. J.
Hoffman, Karl William	1923 C	Niagara Falls
Hoffman, Phoebe Doris, A.B.	1920 MD (N.Y.C.)	Bloomington, Ind.
Hogan, Agnes Cecilia, B.S.	Grad	Ithaca
Hogg, George Albert	1923 M	Lihue Kauai, Hawaii
Hogle, Hollis Eldridge, jr.	1921 M	Utica
Hoisington, Louis Benjamin, B.A.	Grad	Ithaca
Holbrook, George Whitman	1923 M	Pleasant Valley
Holbrook, John Knight, jr.	1920 A	New York City
Holcomb, Charles Albert	1920 Ar	Binghamton
Holderman, William Frederick	1921 Ag	New York City
Holland, Robert Thomas, M.A.	Grad	Scottsville, Ky.
Holley, Closson Perry	1924 M	Danbury, Conn.
Hollis, Howard Coonley	1922 A	Concord, N. H.
Hollis, John Coonley	1921 A	Concord, N. H.
Hollis, Lawrence Widrig	Sp Ag	Lacona
Hollis, William Carroll	1921 Ag	Ithaca
Hollister, James Frederic	1922 A	Wilton, Conn.
Holloway, Violet Mabel	1923 A	New York City
Holmes, Anna Gertrude	1923 A	Philadelphia, Pa.
Holmes, Consuelo	1922 A	Bloomington, Ill.
Holmes, Major Edward, A.B., A.M.	Grad	Kempston, Ind.
Holmes, Percy Robert	1920 M	Warwick
Holmes, Ralph Alvin	1923 M	Buffalo
Holmes, Ralph Maynard, B.A., M.A.	Grad	Ellsworth, Me.
Holmwood, Harry Freeman	1920 Ag	Orchard Park
Holst, Paul Strom	1921 Ag	New York City
Holsted, Milo Ernest, A.B.	1920 MD (N.Y.C.)	Wheaton, Ill.
Holstrom, Harry Leonard	1921 M	St. Paul, Minn.
Holt, Evelyn, A.B.	1923 MD	Summit, N. I.
Holt, William Stull	1920 A	Brooklyn
Holtie, Emma Evelyn	1922 A	Bay Shore
Holtzer, Beatrice Frances	1923 A	Arverne
Holzberger, Walter Scott	1921 A (Chem)	Hamilton, Ohio
Homan, Carroll Livingston	1920 M	Sayville
Hon, Alvin Burton	1923 M	Winchester, Ky.
Hood, Thomas Stanley	1921 C	Indianapolis, Ind.
Hooker, Albert Huntington, jr.	1920 A	Niagara Falls
Hooker, Douglas Lannin	1921 M	Olean
Hooker, Harry Merle	1922 Ag	Findley Lake
Hooker, Roger Wolcott	1921 A	Niagara Falls
Hooker, Russell Olin	1920 A	Watertown
Hopf, John Fridolin, jr.	1923 Ag	Spring Valley
Hopkins, Alice Mary	1921 A	New Hartford
Hopkins, Sydney Watson	1921 Ag	Summit, N. J.
Hopkins, Willard Douglas	1920 Ag	Youngstown
Hopper, Marjorie Ross, A.B.	1923 MD (N.Y.C.)	Nyack
Horend, Charles William, jr.	1922 A (Chem)	Binghamton
Horn, Edna	1923 A	New York City
Horn, Paul Valentine, B.S.	Grad	Baltimore, Md.
Horner, Halsted Steelman	1920 A	Tuckerton, N. J.
Horowitz, Grace Fannie	1922 A	New Rochelle
Horrell, Stephen Byrd	1921 M	Pasadena, Cal.
Horrnmann, Curt August	1922 A	Tompkinsville
Horton, Edward Kenneth	1921 A	Whitehall
Horton, Harry Davids	1922 M	Ithaca
Hosenfeld, Marcus Nicholas	1923 M	Pittsburgh, Pa.
Hoskins, Harry Stewart Lee	1922 C	White Plains
Hoskins, Lansing Southwick	1920 L	Seneca Falls
Hosmer, Harriet, A.B.	1921 MD (N.Y.C.)	Buffalo
Hotchkiss, Clarence Francis, jr.	1923 M	Binghamton
Hotchkiss, Herbert Vinton, B.S.C.E., A.B.	Grad	Ithaca
Hou, Chia Yuen, A.T.E.C., M.C.E.	Grad	Soochow, China
Houck, Isabel Ruth	1922 A	Buffalo
Houck, Norman Lee Grand	1922 C	Weehawken, N. J.
Hough, Marshall Lewis	1922 M	Williamsport, Pa.
Hough, Walker Blaine	1924 M	Denver, Colo.
Houk, Gerald Bravo	1921 Ar	Owego
Hourigan, Michael William	1924 C	Brooklyn
Houston, Ira Harold	1920 Ag	Goshen
Howard, Edwin Johnston	1923 Ag	Detroit, Mich.
Howard, Edwin Laclede	1920 Ar	Ithaca
Howard, Edwin Lawrence	1920 Ag	Youngstown
Howard, Harry Irving	1920 L	Washington, D. C.
Howard, John Everett	1923 C	West Bridgewater, Mass.
Howard, John Wendell	1923 A	Breeseport

Howard, Robert Jackson	Sp Ag	Sherburne
Howard, Sullivan Eugene	1922 Ag	Holley
Howe, Donald Atkins	1922 Ag	Yonkers
Howe, Oswald Eugene	1921 M	Oak Park, Ill.
Howe, Thomas Miller	1920 M	Cincinnati, Ohio
Howell, Carter Alexander	1923 Ag	New York City
Howell, Charles Manly, A.B.	1921 M	Millville, N. J.
Howell, Clara Bower	1921 Ag	Ludlowville
Howell, Emily Louise	1923 A	Corning
Howell, George Brokaw	1922 Ar	New Brunswick, N. J.
Howell, Helen Ilse	1922 A	Ithaca
Howell, Henry Clay	1923 A (Chem)	Boonton, N. J.
Howell, Jessie Adkinson	Sp Ag	Ithaca
Howell, Luanna Pauline	1922 A	Corning
Howell, Sidney Preswick, A.B.	1922 L	Ithaca
Howes, Helen	1923 A	Brewster
Howland, Lloyd Emmer	1921 Ag	Shortsville
Howlett, Freeman Smith	1921 Ag	Knowlesville
Hoy, David Fletcher, jr.	1922 M	Ithaca
Hoyt, John Davidson Hill	1921 A	Buffalo
Hoyt, Lawrence Wibirt	1922 C	Danbury, Conn.
Hoyt, Mary Katherine	1921 A	Cohocton
Hoyt, Nelson Landon, jr.	1920 A	Winnetka, Ill.
Hoyt, Stephen Charles	1921 A	Auburn
Hsu, Chen Ken, S.A. B.	Grad	Soochow, China
Hsueh, Shao Ching	1921 M	Tong-doo-jaw, Kiang Yin, China
Hsuing, Cheng Chin	1922 Ag	Nanchang, Kiangsi, China
Huang, Pao Chao, B.S.C.E.	Grad	Kwantung, China
Huang, Tuh Siu, B.Sc.	Grad	Shanghai, China
Hubbs, Hazlett David	1922 M	Amsterdam
Huckett, Hugh Cecil, B.S.	Grad	Cuckfield, Sussex, England
Hudders, James Henry	1921 M	Utica
Hudes, Nathan	1924 A	Brooklyn
Hudgins, Houlder	1922 A (Chem)	New York City
Hudson, Harriet Emeny	1922 Ag	Fulton
Huestis, John Phelps	1922 M	Greencastle, Ind.
Huey, Lee	1923 Ag	Bradford
Huey, Linton Douglas	1923 Ag	Bradford
Huff, Fleta Wenona	1921 Ag	Ithaca
Hugger, Albert Joseph	1921 C	Ridgewood
Hughes, Charles Mackey	1923 M	Franklin, Pa.
Hughes, Charles Wilford, M.D.	Sp MD (N.Y.C.)	Winneconne, Wis.
Hughes, Elizabeth Pritchard	1924 Ag	Wilkes-Barre, Pa.
Hughes, Gertrude	1920 Ag	Ithaca
Hughes, Marie Iveyta	1923 A	Port Jervis
Hughes, Peter Francis	1922 M	Perth Amboy, N. J.
Huie, Helen P.	1920 A, 1923 MD	New York City
Hukill, James Layng, jr.	1922 Ag	Pittsburgh, Pa.
Hull, William Carey, jr.	1922 M	Tupper Lake
Huls, Raymond Theodore	1922 Ag	Rochester
Hultzen, Lee Sisson	1920 A Grad	Norwich
Humphrey, Onias Skinner, jr.	1923 M	Albany
Humphrey, Richard Frederick	1922 M	Waterbury, Conn.
Humphrey, Rufus Richard, B.Ped., A.B.	Grad	Thompsonville, Mich.
Hungerford, Ruth Sumner	1923 Ag	Ithaca
Hungerford, Stanley Hungerford	1920 C	Clayton
Hunkin, Alger Eugene	1920 C	Cleveland, Ohio
Hunt, John Bartlett	1922 Ag	Unadilla
Hunt, Philip Woodward, B.A.	Grad	Cincinnati, Ohio
Hunter, Arthur Templeton	1923 M	Tompkinsville
Hunter, Egerton Kaye	1921 Ar	Detroit, Mich.
Hunter, Elizabeth	1923 A (Chem)	Grand Gorge
Hunter, John Charlton	1920 Ag	Fulton
Huntington, Grace Evelyn	1922 Ag	Ithaca
Huntington, Lowell Shirley	1920 Ag	Oneonta
Hupfel, John Glaser	1924 M	New York City
Hurlbut, Homer Lewis	1923 Ag	Ovid
Hurst, Elmer Travis	1921 M	Wyoming
Huschke, Henry Albert Ralph	1922 Ag	Hurleyville
Hussein, Shukki	1924 Ag	Bourdour, Turkey, Asia Minor
Husted, Katharine	1923 A	Lonaconing, Md.
Huszagh, Ralph Donald	1920 Ar	Chicago, Ill.
Hutchings, William Henry	1922 Ag	North Chili
Hutoryansky, Godel, B.S.	1921 MD (N.Y.C.)	New York City
Huttar, John Carl	1923 Ag	New York City
Huyck, Ralph Salter	1922 M	Deposit
Hyatt, Alice Rothwell, B.S.	Grad	Elmira
Hyatt, James Mead, A.B.	Grad	Ithaca
Hyde, Jesse Ferris	1921 Ag	Binghamton
Hyde, Stuart Noble	1922 A (Chem)	Elmira

Hyer, Clarence Raymond	1923 C	Mount Upton
Hyman, Harris, jr.	1923 A	New Orleans, La.
Hyne, Charles William	1921 A	Evansville, Wis.
Iler, Russell Hills	1920 A, 1923 MD	Brooklyn
Ilgenfritz, James, J. E.	Sp Ag	Monroe, Mich.
Imhoff, David Laing	1924 M	Hopewell, N. J.
Imperato, Pasquale Joseph, jr., B.S.	1921 MD (N.Y.C.)	Brooklyn
Ingham, Walter Leland	1921 M	Pittsburgh, Pa.
Ipark, William Washington	1922 Ag	Brooklyn
Irish, Charles Godwin	1923 A	Auburn
Irish, Marian Louise	1920 A	Auburn
Irish, Philip Augustus	1923 Ag	Auburn
Irish, Ruth Frances	1922 Ag	Auburn
Irvine, Ralstone Robert	1922 A	Provo, Utah
Isaacs, Theodore	1922 A	New York City
Iserman, Michael, B.S.	1923 MD (N.Y.C.)	New York City
Ishkanian, Mardiros Harhannes	1921 Ag	Philadelphia, Pa.
Israel, Jacob Gerreson	1920 A	Tonawanda
Israelson, William	1923 A	Haverstraw
Ittner, William Butts, jr.	1923 Ar	St. Louis, Mo.
Itzkowitz, Ida	1923 A	New York City
Ivanek, Boleslaw Bertrand	1920 C	Mount Hermon, Mass.
Ives, Helen Marie	1923 A	Albany
Jablonsky, Irving William	1922 A	Brooklyn
Jack, Andrew	1920 A	Newark, N. J.
Jackson, Clark Rhinehart	1923 M	Binghamton
Jackson, Emma	1923 A	New York City
Jackson, George Andrew	1921 M	Huntington
Jackson, George Samuel	1922 M	Brooklyn
Jackson, Guy Jay	1923 V	Thorndike, Me.
Jackson, Helen Pratt	1923 A	Ithaca
Jackson, Howard Campbell, B.S., M.S.	Grad	Ithaca
Jackson, Marietta Mildred	1923 Ag	West Danby
Jackson, Myron Robinson, B.S.	1923 MD (N.Y.C.)	Norwich, Conn.
Jackson, Seonona	1923 A	Livingston
Jackson, William Edward	1922 L	Whitehall
Jacob, Silvester Arthur	1920 A	New York City
Jacobs, Albert Louis	1923 A	Youngstown, Ohio
Jacobs, Benjamin, B.S.	1923 MD (N.Y.C.)	New York City
Jacobs, Charles Burrows, jr.	1922 Ag	Wilmington, Del.
Jacobs, Frances Beatrice	1922 A	New York City
Jacobs, Miles Richard	1921 A	Ithaca
Jacobs, Peter	1922 Ag	Brooklyn
Jacobson, Abraham Aaron	1923 M	Leonard Bridge, Conn.
Jacobson, David	1923 M	Parksville
Jacobstein, Ellison	1922 M	Rochester
Jacobstein, Robert Noah	1922 M	New York City
Jacques, Leigh Watson	1923 M	Rochester
Jaeger, Theodore Frederick	1920 A	Hartford, Conn.
Jagger, Seth Ransom	1921 A	Flushing
Jahn, Raymond Frederick	1924 M	Brooklyn
James, Edward David	1923 Ar	Indianapolis, Ind.
James, Wilbur Oakley	1923 C	Wilkes-Barre, Pa.
Jamieson, Fleming	1923 M	Pittsburgh, Pa.
Janes, Warham Whitney	1920 A	Rochester
Jansen, Mildred Gertrude	1923 A	Pine Bush
Jaquish, Helen Louise	1922 A	Brooklyn
Jarka, Clement Alphonsus, A.B.	1922 MD (N.Y.C.)	Brooklyn
Jefferson, Clyde Chester	1922 Ag	Ithaca
Jefferson, Rachel Corkran	1923 A	Federalsburg, Md.
Jeffres, Lawrence Willard	Sp Ag	Wyoming
Jeffrey, Walter Williams	1920 A	Ithaca
Jelliffe, Winifred	1922 Ag	New York City
Jenkins, Erwin Wheat, B.S.	Grad	Sidney Center
Jenkins, George French	1923 A (Chem)	Binghamton
Jenkins, John Gamewell	1923 A	Brooklyn
Jenks, Stephen Moore	1923 M	Woodbury, N. J.
Jenks, Weston Morse	1921 M	Waterbury, Conn.
Jenness, James Russell, B.S.	Grad	Chrisman, Ill.
Jennings, Burton Aaron	1921 Ag	Ithaca
Jennings Casper Walker, M.D.	Sp MD (N.Y.C.)	Greensboro, N. C.
Jennings, George Jackson	1922 Ag	St. Louis, Mo.
Jennings, Stephenson	1923 M	Menominee, Mich.
Jensen, Leif George	1923 MD (N.Y.C.)	Port Richmond
Jensenius, Karen	1923 A	Philadelphia, Pa.
Jenson, Gerhard Ofaus	1924 M	Edgerton, Wis.
Jepson, Mabel Sophie	1920 A	Buffalo
Jerome, Alan Jerome	1923 M	Toledo, Ohio

Jewett, David William	1921 Ag	Skaneateles
Jewett, Eugene Lyon	1922 A (Chem)	Fredonia
Jewett, Harold Alden	1921 A (Chem)	Fredonia
Joffe, Sara Jacqueline	1922 A (Chem)	New York City
John, Carl Frank	1922 M	Milwaukee, Wis.
Johns, Juanita Pearl	1922 A	Ithaca
Johnson, Albert Mason	1923 M	Berwick, Pa.
Johnson, Alberta	1920 Ag	Old Westbury
Johnson, Arthur Stillwell	1922 L	Woodside
Johnson, Berkeley, Ph.B.	1920 C	Worcester, Mass.
Johnson, Carl Victor	1920 Ar	Hartford, Conn.
Johnson, Carmen May	1922 Ag	Rushville
Johnson, Charles Eneu, 2d	1921 M	Philadelphia, Pa.
Johnson, Clarence	1920 Ag	Canandaigua
Johnson, Deyo W.	1920 A	Ellenville
Johnson, Douglas Harold	1921 A (Chem)	New York City
Johnson, Elmer Marker	1922 A	Boise, Idaho
Johnson, Ernest Edward	1921 A	St. Louis, Mo.
Johnson, Gladys May	1923 A	Mayfield, Ky.
Johnson, Hibbard Fisk	1922 A	Racine, Wis.
Johnson, Mary Pauline	1923 Ag	North Tarrytown
Johnson, Murray Foster	1923 A	Woodside
Johnson, Pickens	1922 A	Houston, Texas
Johnson, Richard Monroe	1923 M	Berwick, Pa.
Johnson, Roger Charles	1922 M	Rushville
Johnson, Wright	1923 Ag	Washington, D. C.
Johnsson, John	Sp Ag	McComb, Miss.
Johnston, Charles Howard, jr.	1924 A	Pittsburgh, Pa.
Johnston, Edwin	1921 A	Cortland
Johnston, Roy Campbell	1920 V	Livingston Manor
Johnstone, James Watson	1923 M	Perth Amboy, N. J.
Jonas, Clara Elizabeth	1923 Ag	Ithaca
Jones, Ada Elizabeth	1923 Ag	Wilkes-Barre, Pa.
Jones, Anna Gladys	1922 A	Baltimore, Md.
Jones, Arthur Leo	1922 A (Chem)	Bradford, Pa.
Jones, Douglas Palmer	1923 A (Chem)	Stamford, Conn.
Jones, Elinor Davis	1923 Ag	Haddonfield, N. J.
Jones, Ellis Oliver, jr.	1923 C	Forest Hills
Jones, Frances Roberta, B.A.	1923 MD	Knoxville, Tenn.
Jones, Frederick Herr, jr.	1923 A	Montclair, N. J.
Jones, Henry Hunter	1920 C	Durham, N. C.
Jones, Laura May	1921 A	Cynwyd, Pa.
Jones, Merton Wurke	1921 A	Ithaca
Jones, Naomi Cecelia	1920 Ag	Worcester
Jones, Olive Rilla	1923 Ag	Westfield
Jones, Putnam Fennell	1923 A	Amsterdam
Jones, Walter Mendelson	1924 A (Chem)	Upper Montclair, N. J.
Jones, Warren Herbert	1921 A (Chem)	Rockaway Beach
Jones, William Paul	1923 M	Sharon, Pa.
Josefson, Abraham	1922 C	Middletown
Joseph, Louis Weinman	1920 C	Warrensburg
Joyce, Albert Goodloe	1923 A	Dallas, Texas
Joyce, Thomas Bernard, A.B.	1920 MD (N.Y.C.)	Gardner, Mass.
Judd, Wilma Frances	1922 A	Belleville, Kansas
June, Laurence Brigham	1920 A	Ithaca
Kadushin, Charles George	1923 Ag	Brooklyn
Kadushin, Sara	1923 A (Chem)	New York City
Kahle, George Borgfeldt	1922 M	New York City
Kahler, Herbert, B.S.	Grad	Tacoma, Wash.
Kahn, Beatrice	1923 A	New York City
Kaiser, Louis	1921 L	Deal Beach, N. J.
Kalabza, Joseph Frank	1924 Ag	Long Island City
Kalischer, David Edgar	1923 M	Brooklyn
Kaminski, Edith	1921 L	Philadelphia, Pa.
Kammerer, Frederick Stanley	1922 M	Staten Island
Kane, Elizabeth Dennistoun	1921 A	Kane, Pa.
Kane, Mortimer William	1921 Ag	Bronxville
Kantor, Charles, B.S.	1923 MD (N.Y.C.)	New York City
Kao, Hua	1921 M	Shanghai, China
Kaplan, Benjamin	1922 Ag	Brooklyn
Kaplan, Martha	1920 A	Brooklyn
Karg, William Earnest	1920 M	Mount Holly, N. J.
Karnow, Aaron	1922 C	Brooklyn
Karp, Alexander Xenophon	1923 A (Chem)	New York City
Karpeles, Seymour Leopold	1922 A (Chem)	Newark, N. J.
Kasakove, Benjamin	1920 A (Chem)	New York City
Kast, Frederic Ernest	1920 Ag	Albion
Katchen, Jeannette	1923 A	Newark, N. J.

Katz, Frederick Leopold	1920 A	Riverside, Conn
Katz, Samuel	1923 A	Brooklyn
Kauffman, Abraham Louis	1922 A	Massena
Kaufhold, Arthur William	1923 Ar	Scranton, Pa.
Kaufman, Charles, B.S.	1921 MD (N.Y.C.)	Brooklyn
Kaufman, Edith	1923 A	Brooklyn
Kaufman, Richard Kohns	1922 L	New York City
Kaufman, Stella Ruth	1923 A	Brooklyn
Kaufmann, Richard Kohns	1922 L	New York City
Kaufuss, Isabel Irene	1923 A	Glens Falls
Kavana, Luke James	1920 Ar	La Grange, Ill.
Kavanaugh, Laurine Alice	1923 Ag	Niagara Falls
Kaw, Edgar Lawrence	1923 Ar	Houston, Texas
Kawamata, Takashi, B.S.	Grad	New York City
Kay, Harry Rayburn	1922 A	Sheridan, Wyo.
Kayser, Reuben, B.S.	1922 MD (N.Y.C.)	Brooklyn
Keady, John William	1923 A	Brooklyn
Kearns, Wilfrid McDonnell	1922 M	Rochester
Keasbey, Louisa Edwina, B.A.	1920 A	Morristown, N. J.
Keeler, Clarence Raymond	1921 Ag	Malone
Keenan, DeElbert Ernest	1922 A	Elmira
Keet, Julia Mildred	1920 Ag	Schuyler Falls
Kehr, Marguerite Witmer, B.A., M.A.	Grad	Knoxville, Tenn.
Keiper, Elisabeth	1921 A	Rochester
Keliher, James	1920 C	Chevy Chase, Md.
Keller, Harold Parker	1920 A	Buffalo
Kelley, Celina Ray	1923 Ag	Patterson
Kelley, Gerald Louis	1922 Ag	Covington, Pa.
Kelley, Hayward Kendall	1921 M	Cleveland, Ohio
Kelley, Louise, B.A., M.A.	Grad	Franklin, N. H.
Kelley, Raymond Alden	1923 A	Wyoming
Kelley, Walter Eugene	1923 A	Cortland
Kellogg, Raymond Pond	1923 Ag	Norwalk, Ohio
Kellogg, Stuart Bell	1923 Ag	Whitesboro
Kells, Charles Franklin	1923 M	Astoria
Kelly, Charles Edmond	1922 C	Vancouver, B. C., Canada
Kelly, Charles McFarland	1922 A (Chem)	Elmira
Kelly, Dolores Alberta	1922 A	Brooklyn
Kelly, Emerson Crosby	1921 A	Fleischmanns
Kelly, Joseph Dominique, M.D.	Sp MD (N.Y.C.)	New York City
Kelly, Thomas Lloyd	1920 A	Chicago, Ill.
Kendall, Charles Emerson	1923 Ag	Churchville
Kendall, William Morgan	1920 A	Buffalo
Kennedy, Clarence Edward	1923 M	East Weymouth, Mass.
Kennedy, Durward Bellmont, jr.	1922 M	Flushing
Kennedy, Edward Kavanagh	1922 A	Buffalo
Kennedy, Harvey Thomas	1921 A (Chem)	Rochester
Kennedy, James Arthur, A.B.	Grad	Ithaca
Kennedy, John Harrison, jr.	1922 M	Buffalo
Kennedy, Robert Charles	1921 C	East Rochester
Kennedy, Roy James	Sp A	Penfield
Kennedy, Samuel Van Dyck	1924 M	Auburn
Kennedy, Thomas Reed	1922 A	Pittsburgh, Pa.
Kennell, Lester Spruce, A.B., A.M.	Grad	Rochester
Kent, Clarence Norman	1923 A (Chem)	Lorain, Ohio
Kenworthy, Clarence Sprague	1922 M	Liberty
Keogh, George Paul	1920 M	New York City
Kerby, Parker Allenson	1923 A	Port Washington
Kern, Clyde Lewis	1923 V	Worcester
Kerr, Henry Hampton, jr.	1921 M	Evanston, Ill.
Kerr, William Thompson	1921 L	North Tonawanda
Kerrigan, Katherine	1923 A	Waverly
Kessel, Marcel Hartwig	1921 A	Buffalo
Kessler, Don Hursh	1921 Ag	Fayetteville
Kessler, Raphael	1923 A (Chem)	Smethport, Pa.
Ketchum, Frederick Theodore	1923 A	Owego
Kevelson, Max	1920 M	New York City
Kevitz, Alexander	1923 A	Brooklyn
Kezer, Claude Allen	1922 Ag	Massena
Kibbe, Alice Lovina, A.B., M.A.	Grad	Bellingham, Wash.
Kibby, Loren Sullivan	1920 Ag	Turin
Kidder, Hazel Letitia	1922 Ag	Sherman
Kiggins, Willard Augustus, jr.	1921 A	Elizabeth, N. J.
Kilborne, Charles Lucius	1923 V	Moravia
Kilby, John Homer	1923 Ag	Brooklyn
Kimball, Sylvester Dana	1922 C	New York City
Kimbell, James Fraser	1921 M	Los Angeles, Cal.
Kincaid, H. Gordon	1922 M	Boonton, N. J.
Kincaid, Willis M., jr.	1923 A (Chem)	Bradford, Pa.
Kinde, Doris Alice	1920 Ag	Canandaigua

King, Charles Harold	1920 A	Stockbridge
King, Charles Horace	1923 M	Cleveland, Ohio
King, Edith Bruen	1921 Ag	New York City
King, George Joseph	1920 Ag	Saratoga Springs
King, Phebe Mabel	1922 A	Merrifield
King, Theodore Franklin, jr.	1922 M	Chattanooga, Tenn.
Kingsland, Frank Carlton	1921 M	Brooklyn
Kingsley, Donaldson Wright	1922 A	Minden, Neb.
Kinne, Mary Alice	1923 A	Rochester
Kinney, Helen	1922 A	Brooklyn
Kinney, Will Carleton	1920 Ag	Bellevue, Ohio
Kinsel, Irene Dorothy	1920 A	Saratoga Springs
Kinsey, Jennie	1922 A	Hempstead
Kinsman, Daniel Francis	1921 Ag	Greene
Kinsman, Elmer Franklin	1920 Ag	Binghamton
Kinzey, Bertram York	1920 Ag	Mount Vernon
Kirby, Robert Stearns, B.S.	Grad	Mesilla Park, N. Mexio
Kirch, Ralph Charles	1924 M	Keokuk, Mexico
Kirk, Winifred, A.B.	1922 MD (N.Y.C.)	Newark, N. J.
Kirkendall, John Swartout	1921 Ag	West Danby
Kirkland, Joseph Brackin, B.S.	Grad	Ithaca
Kirkland, Luther Clinton	1921 Ag	Ithaca
Kirkwood, Margaret Jean	1922 A	West Pittston, Pa.
Kirschenbaum, Robert	1923 V	New York City
Kittelberger, Raymond Wilbur	1924 L	Rochester
Kittredge, Linus Emerson	1920 M	Lockport
Klages, Ellett Kuber	1924 L	Brooklyn
Klein, Charles	1921 A (Chem)	Rockaway Beach
Klein, Henry Nathaniel	1920 Ag	Brooklyn
Klein, Hyman	1920 A, 1923 MD (N.Y.C.)	Brooklyn
Klein, Philip Laurence	1922 Ag	Brooklyn
Klein, Sadie	1921 A	New York City
Kline, Arnold Manuel	1920A (Chem)	Hudson
Kline, Emil	1920 A Grad	Hudson
Klock, Ruth Vera	1922 Ag	Phoenix
Klump, George Swartz	1923 A	Williamsport, Pa.
Knapp, Dwight Rufus, A.B.	1921 MD (N.Y.C.)	Danbury, Conn.
Knapp, Edward Caulfield	1920 Ag	Marcellus
Knapp, Laurence Bernard	1922 Ag	Port Byron
Knapp, Perley Mason	1922 Ag	Colebrook, N. H.
Knapp, Ronald Glenn	1920 Ag	Port Byron
Knauss, Edwin	1920 M	Poughkeepsie
Knauss, Walter Paul	1922 Ag	Poughkeepsie
Knight, Geoffrey	1920 Ag	Leonardtwn, Md.
Knight, Goodwin Jess, A.B.	1922 L	Los Angeles, Cal.
Knight, Harry Hall	1923 A (Chem)	Ithaca
Knight, Lucile Elouise	1921 A	Cortland
Knight, Roberta Berry	1921 A	Ithaca
Knighton, Willis Sackett	1923 MD (N.Y.C.)	New York City
Knipe, Donald Macley	1923 M	New York City
Knowlton, George Edgar, jr.	1920 C	Ridgewood, N. J.
Knowlton, Paul Holland, jr.	1924 M	Guilford, Me.
Knox, Charles Webster	1921 Ag	Brooklyn
Kobuski, Agnes Marie	1920 A Grad	Gloversville
Koch, Anna Elizabeth	Sp Ag	Warsaw
Koch, Dorothea	1920 L	New Dorp
Koehler, Alfred Charles	1920 M	New York City
Koehler, John Henry, jr.	1921 C	Rockville Centre
Koehler, Milton Alphonse	1921 Ag	Lynbrook
Kohler, Albert Huntress	1922 C	Wilkes-Barre, Pa.
Kohlmeyer, Hugh Bernard	1923 A	New Orleans, La.
Kohm, Alfred Edmond	1923 M	Ithaca
Kohm, Raymond Albert	1923 C	Ithaca
Kohn, Mark Robert	1922 A	Brooklyn
Kolar, Albert Richard, A.B.	1923 MD (N.Y.C.)	Jersey City, N. J.
Koller, Lewis Richard, A.B.	Grad	New York City
Koo, Nee Sun, B.S., C.E., M.C.E.	Grad	Shanghai, China
Kootz, Rachel	1923 A	Portsmouth, Va.
Kopki, Joseph	1923 A	Elmira
Kopman, Aeta	1923 A	Brooklyn
Korb, LeRoy Hauck	1920 A (Chem)	Newark, N. J.
Krahe, Herbert	1921 Ag	New York City
Krahe, Lawrence Carl Rubsam	1921 Ag	New York City
Kramer, Earl Samuel	1921 A	Akron, Ohio
Krauskopf, Daniel Melvin	1920 L	New York City
Krauss, William Ernest	1922 Ag	Brookport
Krech, Karl Gilbert	1921 A (Chem)	Midland Park, N. J.
Kreinbader, Millard Robert	1923 Ag	Buffalo
Krentz, Edna Johanna	1922 A	Buffalo
Kretschman, Edwin Charles	1923 M	Elmira

Kretschmer, Beatrice Elizabeth	1922 A	Demarest, N. J.
Krey, Charles Edward	1920 Ag	Washington, D. C.
Krey, Elsie Caroline	1923 Ag	Washington, D. C.
Krey, Genevieve Eleanor	1920 A	Hollis
Kribbs, Charles Lovell, jr.	1922 M	Dallas, Texas
Krieg, Edwin Holmes	1922 M	Woodhaven
Kriegsman, Edwin	1922 A (Chem)	New York City
Krim, Ben	1923 Ag	Newark, N. J.
Krogmann, John Henry William	1920 L	Brooklyn
Kroin, Harry Essler	1923 MD (N.Y.C.)	Brooklyn
Kroll, Stanley Perry	1922 M	Saginaw, Mich.
Krug, Paul Smith	1922 M	Newark, Ohio
Kruger, Leola Josephine	1922 A	New York City
Krum, Olin Clifford, B.S.	Grad	Ithaca
Kruskal, Victoria, A.B.	Grad	New York City
Kuchler, Emma Guenther	1923 Ag	New Rochelle
Kuehnert, Lucy Emma	1922 A	McDonald, Pa.
Kugeman, William Emil, jr.	1922 A	West Cornwall, Conn.
Kuhn, George Henry	1922 M	Pittsburgh, Pa.
Kully, Barney Maurice, M.D.	Sp MD (N.Y.C.)	New York City
Kupfer, Max	1922 C	Brooklyn
Kurtz, Chester Allen Rock	1920 M	Ithaca
Kurtz, John Winfield	1920 M	Joanna, Pa.
Kwei, Chi-ting, B.A.	Grad	Shanghai, China
Kwei, Ming Sin	1922 M	Manila, P. I.
Kwit, Morris	1921 Ag	Brooklyn
Kwong, Chao Chi	1922 M	Peking, China
Kwong, Tsue Ngoo	1921 A	Shanghai, China
Laas, Aubrey Gilbert	1923 M	Whitesboro
Laborde, Salvador	1922 M	Havana, Cuba
Lacey, Harold Talbot	1921 A (Chem)	Binghamton
Ladd, Henry Andrews, A.B.	Grad	Portland, Ore.
Ladd, Tallman	1922 M	Ithaca
Ladd, Walter Garnet	1922 M	Clarksville, Tenn.
LaFrance, John	1922 V	Ithaca
Laidlaw, William King	1922 A	Ellicottville
Laird, George Alvin	1923 M	Waterbury, Conn.
Lake, Doris Frances	1920 Ag	Farmington, Me.
Lake, Francis Wilbur	1922 C	Buffalo
Lake, John Frederick	1921 Ag	Clinton, Iowa
Lake, Michael	1922 MD (N.Y.C.)	New York City
Lakin, Albert Hall	1922 A	Emporia, Kansas
Lallou, George Edward Spotz	1920 C	Philadelphia, Pa.
Lamb, Horace Rand, A.B.	1920 L	Norwalk, Ohio
Lamont, Albert Dickhut	Sp Ag	Farmingdale, N. J.
LaMont, Dorothy Elizabeth	1923 A	Albion
LaMont, Mildred Flora	1920 Ag	Hemlock
Lamoureux, Clarence Eugene	1923 Ag	Ithaca
Lamoureux, Vincent Branner	1920 C	Ithaca
deLancey, DeVeaux	1923 A	Yonkers
deLancey, Livingstone	1923 A	Yonkers
Landers, William Fisk	1923 A	Indianapolis, Ind.
Landgraf, Dorothea Clark	1921 A	Sandusky, Ohio
Landon, Paul Samuel	1923 Ag	Brookton
Landron, Enrique, jr.	1920 Ag	Vega Baja, P. R.
Landsman, Arthur Armin, M.D.	Sp MD (N.Y.C.)	New York City
Landy, Abraham, B.S.	1920 MD (N.Y.C.)	New York City
Lane, Edward	1922 M	Genoa
Lane, Frederic Chapin	1921 A	Cambridge, Mass.
Lane, John Frederick	1920 Ag	Port Richmond
Lang, Andrew	1923 A	Binghamton
Lang, Frederick Robert	1921 A (Chem)	Valley Park, Mo.
Lang, John Robert Andres, jr.	1921 MD (N.Y.C.)	Mount Vernon
Lang, Murray Albert	1922 L	New York City
Lansdale, Mary Elizabeth	1921 A (Chem)	Plainfield, N. J.
Lansdowne, Robert Joseph	1923 A	Buffalo
Lansing, Arthur Cornelius	1921 A	Cambridge
Lansing, Fletcher Hamlin	1923 A	New York City
Lape, Frederick Henry	1921 A	Esperance
Lapin, Joseph Harris	1920 A (Chem)	New York City
Laporte, Joseph	1922 C	Abbeville, La.
Lapp, Isabel Pauline	1923 Ag	Dayton, Ohio
Lardner, Gilmore Anthony	1921 M	Rock Island, Ill.
Large, Edward Wilson	1921 A (Chem)	Collingswood, N. J.
Larkin, Helen Louise	1924 Ag	Ithaca
Larkin, John Vincent	1920 Ar	Ithaca
Larkin, Leo Joseph	1921 A	Ellenville
Larkin, Leo Paul, A.B.	1922 MD (N.Y.C.)	Ithaca

Larkin, Naomi Anna	1922 A	Ithaca
Larrabee, Callie Hamm, A.B.	1922 MD (N.Y.C.)	Frankfort, Me.
Larrabee, Edwin Stevens	1920 Ag	Binghamton
Larrabee, James Farnham	1923 Ag	Binghamton
Larsen, Axel Martin, B.S.	Grad	Parkland, Wash.
Lasater, Corinne	1922 A	Oklahoma City, Okla.
Lasher, Edith Marilla	1923 Ag	Albion
Lasher, Richard Earl	1921 M	New Hartford
Lason, Helen Jane	1920 A	Homer
Latham, Frederick William	1923 A	Port Jefferson
Lathrop, Frances Ann	1921 Ag	Angelica
Lathrop, Frank Waldo, A.B., M.S.A.	Grad	New London, Conn.
Lathrop, William Hamilton	1922 Ag	Wayne, Pa.
Latt, Edward Lewis	1922 L	Syracuse
Latta, John Stephens, B.A.	Grad	College Corner, Ohio
Latz, Lawrence Morris	1920 M	New York City
Lau, Huig Huen	1922 A	Hong Kong, China
Laubengayer, Albert Washington	1921 A (Chem)	Schenectady
Laughlin, John	1920 V	Akron
Laughlin, Mary Anne	1923 Ag	Crittenden
Launt, Sarah Janette	1922 Ag	Walton
Lauter, Kurt Corell	1920 A	Brooklyn
Lavin, James Boniface, B.S.	1920 M	Hatton, N. Dak.
Law, Sovia Vivian	1923 A	Watertown, S. Dak.
Lawless, Edward James	1923 Ag	Tompkinsville
Lawrence, Agnes Alberta, B.S.	Grad	Ithaca
Lawrence, Anne Theresa	1923 Ag	Herndon, Va.
Lawrence, Claude Darwin	1923 M	Poughkeepsie
Lawrence, Cyril Stanley	1924 M	Washington, D. C.
Lawrence, Kenneth Claud	1924 Ag	Conewango Valley
Lawrence, Vivian Streater, jr., B.S.	1922 M	Churchland, Va.
Lawson, Albert Edward	1922 M	Philadelphia, Pa.
Lawson, Archie Nelson	1921 Ag	Brocton
Lawson, Randolph	1922 M	Philadelphia, Pa.
Lazarus, Lilian Beatrice	1921 A	Brooklyn
Lazo, Charles Arthur	1921 Ag	New York City
Lazo, William Cornelius	1923 A	New York City
Lear, Gertrude Gugatsch	1923 A	Bethlehem, Pa.
Leary, Emma Brenan	1920 A	Auburn
Leary, Helen North	1922 A	Auburn
Leary, John Vincent	1923 M	Ithaca
Leavenworth, Richard Ormond, B.S., M.D.	Sp MD (N.Y.C.)	Minneapolis, Minn.
LeBoeuf, Randall James, jr.	1920 L	Albany
Lechler, Alfred Cobaugh	1921 Ag	Philadelphia, Pa.
Lechler, George Price	1922 Ag	Philadelphia, Pa.
LeCluse, Eugene Francis	1922 M	Great Neck
Lederer, Marie Louise	1922 A	New York City
Lee, Donald Hall	Sp Ag	Delhi
Lee, Dorothea, M.D.	Sp MD (N.Y.C.)	San Jose, Cal.
Lee, George Ludlow	1923 A	Newark, N. J.
Lee, George Sterling, jr.	1921 A	Rutherford, N. J.
Lee, Iu Cheung, B.Sc.	Grad	Hong Kong, China
Lee, Robert Edward	1922 L	Mount Vernon
Lee, Ruth Adeline	1921 Ag	Ellisburg
Lee, Walter Joseph	1922 M	Buffalo
Leet, Alan George	1923 Ag	Point Chautauqua
Leet, Ernest Delos	1923 A	Jamestown
LeFevre, DeWitt Chauncey	1924 M	Beaver Falls
LeFevre, Peter Elting	1920 Ag	New Paltz
Leffingwell, Burton Alpheus	Sp Ag	Ithaca
Leffingwell, Dana Jackson	1922 A	Aurora-on-Cayuga Lake
Leffingwell, Harry Lester	1924 Ag	New York City
Lefkowitz, Bernard Harold	1920 A (Chem)	New York City
Lefkowitz, Samuel	1920 A (Chem)	Brooklyn
Legaré, Ferdinanda Izlar	1922 Ag	Charleston, S. C.
Lehmann, Alvin Stanley	1921 C	Peoria, Ill.
Leifer, Bernard	1921 A	Richmond Hill
Leifer, Michael	1924 A	Richmond Hill
Leinbach, Arthur Miller	1923 A	Reading, Pa.
Leinbach, Harold Miller	1921 Ag	Reading, Pa.
Leister, Claude Willard, B.S.	Grad	West Point, Pa.
Leitch, Paul Ward	1922 C	Wilkinsburg, Pa.
Leith, Donald Ethelbert	1920 Ag	New York City
Lelash, William Joseph	Sp Ag	Tuckahoe
Lenahan, Edwin Joseph	1921 C	Buffalo
Lennon, Mary Florence, B.A.	Grad	Hartford, Conn.
Lenox, Hilliard Joseph	1923 A	Ogdensburg
Lent, Robert Fang, B.Sc.	1921 Ar	Shanghai, China
Lentz, Albert Leroy	1921 M	Jackson, Mich.
Leonard, Chilson Hathaway	1923 Ag	New Brighton

Leonard, Lester Carpenter	1922 L	Belmar, N. J.
Leonard, Margery Wheldon, B.A.	Grad	Oakland, Me.
Leonard, William Mileham	1924 M	New Brighton
Leonardo, Jerry Russell	1921 L	Rochester
Leonhardt, Anna Margaret	1920 A	Alexandria Bay
Lerch, Cornelia Elizabeth	1922 Ag	Branchport
Leshan, Abraham	1923 M	New York City
Lesser, Federico Adolfo	1922 A (Chem)	Sound Beach, Conn.
Lesser, Martin	1923 A	New York City
Leussler, Arthur Julian	1923 M	St. Louis, Mo.
Lev, Joseph	1920 A (Chem)	Brooklyn
Levene, Henry	1921 L	Binghamton
Levene, Hyman Charles	1921 M	New York City
Levi, Berthold Ismar	1923 A	Rochester
Levi, Olma C.	1921 A	Ithaca
Levin, Bessie	1920 A Grad	Brooklyn
Levin, Harry	1921 A (Chem)	Newark, N. J.
Levine, Joseph Milton, A.B.	1922 MD (N.Y.C.)	Brooklyn
Levine, Leon Isaac, B.S.	1922 MD (N.Y.C.)	New York City
Levine, Philip, B.S.	1923 MD (N.Y.C.)	Brooklyn
Levine, Sam Zachary, B.A.	1920 MD (N.Y.C.)	New York City
Levitz, Oliver Sylvester	1923 Ag	New York City
Levy, Dorothy Franklin	1920 Ar	Philadelphia, Pa.
Levy, Earle Elmer	1922 A	Rochester
Levy, Edward Harry, A.B.	1922 MD (N.Y.C.)	Yonkers
Levy, Elmer DeRoy	1922 M	Newark, N. J.
Levy, Frank Bertram	1923 M	New York City
Levy, Henry Bernard	1922 A	Mount Vernon, Ohio
Levy, Lawrence, B.S.	1923 MD (N.Y.C.)	New York City
Levy, Louis, B.S.	1920 MD (N.Y.C.)	New York City
Levy, Robert Monroe	1922 C	Ithaca
Lewi, Alexander Gilland	1922 L	Newark, N. J.
Lewis, Benjamin F.	1921 M	Utica
Lewis, Charles Edward	1923 Ag	Parker's Glen, Pa.
Lewis, Clinton Gardner	1924 A	Thompson, Pa.
Lewis, Edward Howard	1921 M	New York City
Lewis, Henry Steele	1922 A (Chem)	Norfolk, Va.
Lewis, Howard Herbert	1920 A	Ithaca
Lewis, Mary Brittain, A.B.	Grad	Tazewell, Va.
Lewis, Milton Tickenor	1923 Ag	Barneveld
Lewis, William Lester	1921 M	Binghamton
L'Hommedieu, Howard Willis	1923 M	Chicago, Ill.
Li, Fu Chang	1923 A (Chem)	Hong Kong, China
Liang, Thomas Chi Zung	1924 M	Hankow, China
Liang, Yin Nien, M.M.E.	Grad	Peking, China
Lieberman, Birdie	1924 A	Philadelphia, Pa.
Lichtman, Solomon Sydney, A.B.	1921 MD (N.Y.C.)	New York City
Liddell, Howard Scott, A.B., A.M.	Grad	Erie, Pa.
Liddle, Albert Walker, A.B.	Grad	Argyle
Liddle, Alda Emma	1922 A	Argyle
Lidell, Don Arthur	1920 Ag	Ilion
Liebeskind, Morris	1921 C	New York City
Lifschitz, Charles	1922 M	Arverne
Lifshey, Louis Lawrence	1923 Ag	New York City
Lightfoote, Anna Elizabeth	1921 A	Geneva
Lightfoote, Ruth Edith	1922 Ag	Geneva
Lilienfeld, Leo	1921 A (Chem)	New York City
Lilly, Edwin Milton	1922 Ag	Ridgewood, N. J.
Lima, Ida Mary Margaret	1923 A	Nahant, Mass.
Linao, Juli6u Jos6, B. Sc.	Grad	Moron, Bataan, P. I.
Linck, Frances Sophia	1923 Ag	Constableville
Lincoln, Harriet Gray	1923 Ag	Glens Falls
Lindemer, Carl	1923 M	Trenton, N. J.
Linden, Mary Anna	1920 A	Syracuse
Lindsay, Daniel Curtis	1921 A	Beaver, Utah
Lindsay, Frank, jr.	1923 Ag	Portsmouth, Va.
Lindsley, Leecher Campbell, B.A.	Grad	Manassas, Va.
Ling, Ernest Fitchard, B.S., M.A.	Grad	Ithaca
Linn, Carl Valentine	1922 M	Brooklyn
Linnell, Herbert Harrington	1920 C	Springfield, Mass.
Linnell, Philip William	1922 C	Springfield, Mass.
Lins, Everett Winfield	1920 Ag	New Brighton
Liotta, Salvatore	1923 A	Brooklyn
Lippincott, William Leroy, B.Chem.	Grad	Hornell
Lippitt, Maxwell Walthour	1920 A (Chem)	Wilmington, N. C.
Lipsky, Merrill David	1922 A	Somerville, Tenn.
Liss, Emilie Zola	1923 A	New York City
List, Carl Albert	1922 M	Hoboken, N. J.
List, Daniel Clarence	1920 M	Washington, D. C.
Littauer, Stephen Lewis	1923 A	Yonkers

Little, Charles Warren	1921 L	Johnstown
Little, Clarence Jacob	1923 Ag	Sussex, N. J.
Little, Harold Falkner	1922 Ag	Woodhull
Little, John Guffer	1922 Ag	Rochester
Littlewood, William	1920 M	Richmond Hill
Liu, Chan Sung	1923 Ag	Canton, China
Liu, Cheng Fang	1920 M	Shanghai, China
Liu, Chi Sheng	1922 C	Shanghai, China
Liu, Jun Sheng	1922 M	Shanghai, China
Livant, Julius	1920 A Grad	New York City
Livermore, James Northrup	1922 M	Gowanda
Livingston, Carl	1921 A	New York City
Llewellyn, Gertrude, B.A.	Sp MD (N.Y.C.)	Evanston, Ill.
Lockard, John Atwell	1923 M	Emsworth, Pa.
Loebel, Robert Osias, B.A.	1921 MD (N.Y.C.)	Brooklyn
Loebel, Sidney Harold	1922 A	Newark, N. J.
Loew, Alfred Jacob	1921 L	Floral Park
Lofton, Merrill Collier	1921 M	Chattanooga, Tenn.
Logan, Glen Leslie	1923 M	Portage, Pa.
Logan, Joseph Dandridge, A.B.	Grad	Salem, Va.
Lomax, Henry Stanley	1923 Ag	Chicago, Ill.
Long, Richard Lewis	1923 Ag	Aurora, Ill.
Long, Russell Paul	1921 M	Watervliet
Long, Tudor Seymour, A.B.	Grad	Ithaca
Long, Wilbert Walter	1924 M	Huntington
Long, William Thomas	1923 Ag	LaFayette
Loomis, Amos Prescott	1922 C	Watertown
Loomis, Bernice Elizabeth	1920 A	Bainbridge
Loope, Clarence	1922 V	Cortland
Lord, George Willis	1920 C	Evanston, Ill.
Lord, Russell Farnum	1923 A	Port Jervis
Lord, Russell Robbins	1921 Ag	Cockeysville, Md.
Lordy, Henry Robertson, C.E.	Grad	Montreal, Quebec, Canada
Lorenz, James Douglas	1922 Ar	Dayton, Ohio
Lotourayor, Alfonso	1923 Ag	Cordoba, Spain
Lotter, Link Michael	1920 A	Springville
Lotter, Lloyd Bernhard	1921 A	Springville
Lottridge, Dorothy	1924 A	East Orange, N. J.
Lounsbery, Dean Elwood, B.S.	Grad	Potter
Lovan, Charles Felix	1924 C	Springfield, Mo.
Love, Sirena Louise	1922 A	Verona, N. J.
Loveland, Clara N.	1922 Ag	Auburn
Loveridge, Elmer Fred	1920 Ag	Churchville
Low, Sovia Vivian	1923 A	Watertown, S. Dak.
Lowe, Ruth Elizabeth	1923 Ag	Ithaca
Lowe, William John	1922 A	Bainbridge
Lowensohn, Leah Lazar	1921 A	New York City
Lowenstein, Helene Regina	1921 A	New York City
Lowrey, Ernest Rupert	1923 M	Section, Ala.
Lowrey, Gerard Rice	1923 A	New York City
Luárezy, de la Cortilla Dronisio Fernando	1924 C	St. Sábaló, Cuba
Lubeskind, Morris	1921 C	New York City
Lucas, Albert	1922 C	New York City
Lucas, Broder Frederick	1923 Ag	Champlain
Lucas, Wilbur Wayne, M.D.	Sp MD (N.Y.C.)	New Washington, Ohio
Luce, Clark Colby	1922 A (Chem)	Glen Ridge, N. J.
Luce, Raymond Tuthill	1924 M	Riverhead
Lucent, Santos Bellini, B.S.	1921 MD (N.Y.C.)	New York City
Ludewig, Edwin William Charles	1921 Ag	New York City
Ludington, Franklin Gerald	1920 Ag	Mexico
Ludlum, Charles Daniel	1922 A (Chem)	Brooklyn
Lueder, Hendrick Wright, jr.	1923 M	Ithaca
Luffman, Harold Wells	Sp Ag	Clyde
Lufkin, Harold Marshall	1920 A	Parkesburg, Pa.
Lugue, Edwardo Diaz	1923 M	Mexico City, Mexico
Luhrs, Henry Ernst	1923 Ag	Brooklyn Manor
Lukens, Earl Gibson, A.B.	Grad	Cowgill, Mo.
Lumsden, David Victor	1921 Ag	Ithaca
Lumsden, George Quincey	1922 Ag	Ithaca
Lundbeck, Gustave Hilmer, jr.	1922 M	Brooklyn
Lundie, Arnold Ernest, B.Sc.	Grad	Malan, Idutywa, Frauskei, S. Africa
Luque, Eduardo Diaz	1923 M	Mexico City, Mexico
Lurie, Bessie	1923 A	Brooklyn
Luscher, Evelyn Audrey	1923 Ag	LeRoy
Luscher, Ruth Margaret	1921 A	LeRoy
Lust, Alfred Max John	1923 A (Chem)	New York City
Luster, Carl Alexander, jr.	1922 A	Duluth, Minn.
Luster, Robert Gamble	1924 M	Duluth, Minn.
Luther, James Henry	1923 M	Olean
Lyford, Robert Erdmann	1923 M	Torrington, Conn.

Lyman, Edward Dickinson	1923 A	Kansas City, Mo.
Lyman, Frederic Pomeroy	1923 C	Kansas City, Mo.
Lynahan, Gertrude Mary	1922 Ag	Corning
Lynch, Robert Angelo	1923 Ar	Glens Falls
Lynde, Edwin Rogers	1923 A	Amityville
Lyons, Charles Ernest	1922 M	Dansville
Lyons, John Daniel	1924 A	Monticello
Lyons, Leonard	1922 C	New York City
Maahs, Arthur John	1922 C	Philadelphia, Pa.
Mabee, Jennie Elizabeth, A.B.	1922 MD (N.Y.C.)	Ithaca
MacAdam, Janet Greff	1921 A	Rome
McAllester, Allen Egbert	1922 Ag	Lake View
McAllister, Francis Joseph	1921 Ag	Ithaca
McAllister, Thomas Donald	1922 A	Ithaca
MacBain, Kathleen	1922 A	Closter, N. J.
MacBain, Kenneth	1923 Ag	Closter, N. J.
MacBean, Donald Grant	1923 C	Philadelphia, Pa.
MacBean, John Peter, jr.	1920 C	Philadelphia, Pa.
McBride, Earl James	1920 V	Warrensburgh
McBride, Frank	1922 V	Perry
McCabe, Anna Elizabeth	1921 A	Haverstraw
McCabe, Halstead Miller	1920 Ag	Brooklyn
McCarthy, George Harold	1920 M	New York City
McCarthy, Gerald Raleigh	1922 A	Ithaca
McCarthy, Rollin Herbert	1922 M	Cortland
McCarthy, William Joseph	1923 A (Chem)	Elmira
McCartney, Marcia May	1920 A	Vienna, Ill.
McCauley, John Warden, jr.	1920 A	Rochester
McChesney, Irvin Gay	1923 M	Bath
McClain, John Phillip	1921 Ag	Bellaire, Ohio
McClaran, Joseph Frederick	1922 M	Saltsburg, Pa.
McClatchy, John Benjamin	1920 C	Merion, Pa.
McClay, Edith Louise	1920 A, 1923 MD	Summit, N. J.
McClelland, Ralph Alexander	1921 L	Brooklyn
McClintock, Barbara	1923 Ag	Brooklyn
McClure, Donald Fisher	1920 M	Glen Ridge, N. J.
McClure, Frederic Luce	1921 C	Ensley, Ala.
McConaughy, Anna Upham	1921 Ag	New Dorp
McConnell, Douglass Weir	1924 C	Belmont
McConnell, Elliott Bonnell	1923 A (Chem)	Warren, Pa.
McConnell, James Asher	1921 Ag	Ithaca
McConnell, Joseph Miguel	1924 A	Buffalo
McConnell, Malcolm Rosebrook	1922 M	Lockport
McCooley, John Henry, jr.	1921 L	Brooklyn
McCord, John Lewis Earl, B.S.	Grad	Brookville, Pa.
McCord, Lena May	Sp Ag	Brookville, Pa.
McCormick, Donald	1921 Ar	Wilkes-Barre, Pa.
McCormick, Gordon Randolph	1922 A (Chem)	Wilkes-Barre, Pa.
McCowen, Asher Daugherty	1922 M	Louisville, Ky.
McCoy, Charles Stickney	1921 V	Sussex, N. J.
McCullough, Henry Geyer	1921 M	Brooklyn
McCullough, Robert Young	1924 M	West Webster
McCutcheon, William Allen	1923 Ag	Falconer
McDargh, Edwin Houston	1922 M	Dayton, Ohio
McDermott, John Francis, B.S.	1923 MD (N.Y.C.)	Schenectady
McDermott, Thomas Charles	1921 C	Stoneham, Mass.
MacDonald, Albert Marvin	1921 Ag	Lockport
Macdonald, Charles LaVaque	1924 M	Duluth, Minn.
MacDonald, Delos Lyon	1921 M	Dubuque, Iowa
MacDonald, Fred Lemuel	1921 A	Indianapolis, Ind.
MacDonald, James John	1923 C	Port Richmond
MacDonald, John Manderson, jr.	1921 M	Dubuque, Iowa
MacDonald, Neil Francis	1920 A (Chem)	Woodbury, N. J.
McDougall, Donald	1923 A	Westfield, N. J.
McDowell, Clarence Norman	1922 Ag	Robinson, Ill.
McDuffie, Roy Oliver, A.B.	1920 A (Chem)	Cincinnati, Ohio
McEdward, John Gordon	1921 A	Palm Springs, Cal.
McElfresh, John Lister	1921 A (Chem)	Baltimore, Md.
McFadizan, Neil Palmer	1922 Ag	Denver, Colo.
McFarland, Robert Belden	1923 M	Syracuse
Macfarlane, Mengies John, M.D.	Sp MD (N. Y. C.)	Cedar City, Mich.
McFarlin, Donald Willis	1922 A	East Orange, N. J.
McGahan, James Cornelius	1921 Ag	Troy
McGaughy, James Porter, A.B.	1921 L	Pine Bluff, Ark.
McGavock, Gurdon Pendleton	1922 M	Max Meadows, Va.
McGlynn, Anna Mabel	1923 Ag	Lockport
McGranaghan, Edmund Burke	1920 Ag	Hancock
McGrath, Edward Maloney	1923 A	Lockport
McGrath, Francis Ignatius	1920 C	Stratford, Conn.

McGrath, William Stanislaus, A.B.	Grad	Stratford, Conn
McGraw, James Sturtevant	1921 Ar	Ithaca
McGraw, Robert Bush, A.B.	1922 MD (N.Y.C.)	Cortland
Machlett, Raymond Robert	1922 M	New York City
McIlroy, Malcolm Strong	1923 M	Newark, N. J.
MacInnes, Paul Alexander	1921 A (Chem)	Syracuse
McIntyre, Chauncey Welcome	1923 M	Farnham
Mack, James Robert	1922 Ag	Shelter Island
Mackay, Donald William	1923 Ag	Constableville
MacKay, Katherine Florence	1922 A	Ithaca
McKee, Edward Price	1921 C	Scranton, Pa.
MacKellar, Gordon	1920 C	Hazleton, Pa.
McKelvey, Margaret Jane	1922 A	Oil City, Pa.
MacKen, Harold Irving	1920 C	New Brighton
McKenna, George Alexander	Sp Ag	Ithaca
MacKenzie, Alexander Waters, jr.	1923 Ag	Brooklyn
MacKenzie, Edwin Gordon	1920 A, 1923 MD	Millbrook
MacKenzie, Hugh, A.B.	Grad	Millbrook
MacKenzie, John Wilbur	1921 M	Providence, R. I.
MacKenzie, William Donald	1922 L	Newark, N. J.
Mackey, Charles David	1921 A	Montrose, Pa.
McKinney, Asa Emanuel, A.B., A.M.	Grad	Ithaca
McKinney, Robert Asa	1920 V	McLean
McKnight, Herbert Winfield	1922 A	Fulton
McLain, Robert Per Lee	1922 A	Massillon, Ohio
McLean, Malcolm Browne	1923 Ag	Miami, Fla.
McLean, True	1922 M	Staten Island
McLeod, Allister Palmer, B.Sc.	1923 MD (N.Y.C.)	Kearny, N. J.
McLeod, Donald Osmond	1920 Ag	Syracuse
McLeod, James Carlisle, A.B.	1922 MD (N.Y.C.)	Florence, S. C.
McLoughlin, A. Vincent	1920 C	New York City
McMahon, Thomas William	1923 M	Baraboo, Wis.
McMaster, Marcus Aurelius	1921 Ag	Rochester
McMillan, Catherine Elizabeth	1921 A	Delanson
McMillan, Marion	1922 A	Delanson
McMillan, William Benton	1922 M	Chicago, Ill.
McMullen, Eleanor Clara	1920 A	Buffalo
McMurray, Harold Benjamin	1922 Ag, 1923 V	Freedom
McNally, James Curran	1923 M	Ben Avon, Pa.
McNaughton, Elizabeth, B.A.	1922 MD (N.Y.C.)	Brookline, Mass.
McNeil, Horace John	1921 A	Brooklyn
MacNicol, George Bone	1922 C	New York City
MacNicol, Margaret Bone	1922 Ag	New York City
McNitt, Martha Hazel	1923 Ag	Pulaski
McNitt, Robert Louis	1920 Ag	Pulaski
McNulty, Dwight Leeds	1920 M	Rutherford, N. J.
McNulty, Edward Thomas, jr.	1923 M	Elm Grove, W. Va.
McNulty, Sarah Alice	1920 A Grad	Buffalo
Macomber, Hugh Irwin, B.S.	Grad	Ithaca
McPherson, Roger Davis	1921 Ar	Palmyra
McReynolds, Claude Elmer, M.D.	Sp MD (N. Y. C.)	New York City
McRostie, Gordon Peter, B.S.A., M.S.A.	Grad	Ithaca
McSparrran, Ruth	1920 A	Furniss, Pa.
McStocker, Francis Blakeley	1921 M	Honolulu, Hawaii
McSweeney, Edward Daniel	1922 Ag	Fulton
McTaggart, Alexander, B.S.A., M.S.A.	Grad	Wellington, New Zealand
McVean, Albert Robert Francis	1920 M	LeRoy
McVeigh, Luke Matthew	1924 M	Saratoga Springs
Madden, William Francis	1921 C	Cortland
Maddox, Nathaniel Baxter	1923 M	Atlanta, Ga.
Madlett, Raymond Robert	1922 M	New York City
Maduro, Denis Brandon	1923 A	New Rochelle
Magee, Edward Burgess	1923 M	Buffalo
Magee, Norman Heberton	1923 M	Delaware, Ohio
Magnuson, Carl Edward Gordon	1923 C	Elkhart, Ind.
Maher, Marie Antoinette	1923 A	Cortland
Maheux, Georges, B.A., F.E.	Grad	Quebec, Canada
Mah, William	1921 A	New York City
Mahon William Francis, jr.	1922 M	Baltimore, Md.
Maier, Edward Leonard	1921 C	Washington, D. C.
Maier, Edwin Thomas	1923 A (Chem)	Jersey City, N. J.
Maier, Roland Leonard	1923 A	Schenectady
Main, Amos LaVerne	1921 M	Myers
Maleson, Leonard	1923 M	Philadelphia, Pa.
Mallery, Robert Gray	1922 M	Owego
Mallery, William Taber	1921 M	Owego
Mallory, Burton Cowles	1921 M	New Britain, Conn.
Mallory, Edmund Thompson	1923 Ar	Saratoga Springs
Mallory, Gerald DeWitt	1923 M	Deposit
Malmud, Rose Susan	1920 A	Brooklyn

Malone, William Laurence	1922 M	New York City
Maloney, John Mathew	1921 A	Brooklyn
Maloney, William Michael	1921 A	St. Paul, Minn.
Maltby, Floyd Lee	1923 A	Ithaca
Maltby, Lucy Mary	1921 Ag	Corning
Malter, Harry Jacob	1924 Ag	Brooklyn
Manchee, Alleyne Willmott	1922 M	Newark, N. J.
Manchester, Robert Harold, jr.	1923 M	Merrifield
Manchester, Wilbur Oscar	1920 C	Nassau
Mancieri, Michael	1923 C	Harrison
Mandel, Harry	1924 Ag	Brooklyn
Mandel, Leon, 2d	1923 A	Chicago, Ill.
Mange, Winthrop Everett	1922 M	Ithaca
Mann, William Holton	1923 Ag	Glens Falls
Manoukian, Matthew Urtanes	1920 Ag	Sivas, Armenia, Turkey
Maples, John Wade	1923 M	Scottsboro, Ala.
Mara, Raymond John	1923 M	Toledo, Ohio
Maram, Sol	1922 Ag	Liberty
Marcogiou, Aristides Sawa	1920 M	Candia, Crete, Greece
Mark, Monroe Charles	1923 A	Amsterdam
Markley, Alton LeFevre, B.S.	Grad	Bellingham, Wash.
Markowitz, Leo, A.B.	1923 MD (N.Y.C.)	New York City
Marks, Bertha Anna	1923 A	Jamaica
Marks, Maxwell S.	1922 A	Cincinnati, Ohio
Markthaler, Leo Valentine	1920 M	Elmira
Markwood, Frank Edward	1923 A (Chem)	Oakland, Fla.
Marsh, Alfred Henry, jr.	1923 M	Washington, D. C.
Marsh, Frederick Vermilyea	1920 A	Westfield, Pa.
Marsh, Helen Margaret	1923 A	Waterloo
Marsh, Helen Townsend	1921 Ag	Interlaken
Marsh, Herbert Edward	1920 V	New Milford, Conn.
Marsh, Lucy Edith	1923 Ag	Brookton
Marsh, Walter Horton	1923 M	Pittsburgh, Pa.
Marshall, Archibald Warren	1921 L	Deming, N. M.
Marshall, Donald Emerson	1922 Ag	West Hoboken, N. J.
Marshall, James Sumner	1923 V	Morrisville
Marshall, Julian Brewer, A.B.	1923 MD (N.Y.C.)	Ashton, R. I.
Marshall, William Henry	Sp Ag	Weedsport
Martens, James Hart Curry	1921 C	Shrub Oak
Martin, Albert Rankin	1923 Ar	Chicago, Ill.
Martin, Alice Couzens	1921 A	Yonkers
Martin, Caroline Rose	Sp MD (N.Y.C.)	New York City
Martin, Charles Ellison	1921 C	Rochester
Martin, Chester Barton	1923 Ag	Clarence Center
Martin, Clarence Stuart	1923 M	Webster
Martin, Doris Pauline	1920 A	Holyoke, Mass.
Martin, Edward William	1923 V	Utica
Martin, Gerald Houghton	1924 Ag	Lima
Martin, Gertrude	1923 A	Ithaca
Martin, Herbert Francis	1921 Ag	Sea Cliff
Martin, Louis Charles	1922 M	Amityville
Martin, Mabel Florence, A.B.	Grad	West Springfield, Mass.
Martin, Martha Elizabeth	1921 A	Catskill
Martin, Paul Gardner	1924 M	Cleveland, Ohio
Martin, Willis Elwin	1920 A (Chem)	Westfield, Pa.
Martinaglia, Giovanni, B.V.Sc.	Grad	Randfonbein, Transvaal, S. Africa
Martinez, Andrew Richmond	1921 L	New Orleans, La.
Martinez, Arthur C.	1922 C	Bogota, Columbia, S. Africa
Martinez, Arturo, A.B.	1920 MD (N.Y.C.)	Mayaguez, P. R.
Martsof, Arthur Lewis	1920 Ar	New Brighton, Pa.
Martwick, Irving Julius	1921 Ag	Roselle, N. J.
Marvin, Ira Huston	1923 A	Kingston, Pa.
Marx, Ellen Hedwig	1920 A	Newark, N. J.
Marx, Milton David, A.B.	Grad	Highland Park, Mich.
Marx, Posey	1924 A	Lancaster, Pa.
Marx, Walter	1920 A	Newark, N. J.
Masius, Leonard Max	1921 L	New York City
Mason, Elliott Butler	1921 Ar	Milwaukee, Wis.
Mason, Laurence Sackett	1923 M	Washington, D. C.
Mason, Margaret Lucy	1923 A	Ithaca
Mason, Mildred Estella	1924 Ag	Randolph
Mason, Nicholas Pearson	1923 M	Utica
Mason, Rodney	1921 A	Sackets Harbor
Mason, Walker	1920 L	St. Louis, Mo.
Massingham, Richard Stephen	1923 M	Crafton, Pa.
Master, Arthur Matthews, B.S.	1921 MD (N.Y.C.)	New York City
Masterman, Arthur John	1921 Ag	Niagara Falls
Masters, Isabelle Hortense	1923 Ag	Cleveland, Ohio
Mather, Charles Ronald	1922 A	Montclair, N. J.
Mather, Forrest Elger	1923 Ag	Moravia

Mather, John Card	1923 M	Pittsburgh, Pa.
Mathews, Frances Iona	1921 Ag	Valois
Mathews, Harriet Belle	1924 Ag	Elmira
Mathewson, Gertrude	1923 Ag	Arrochar
Mathewson, Joseph Bryant	1923 Ag	Bath
Mathiesen, Christian Pierre	Grad	Kristiania, Norway
Matson, Richard McConnell	1921 M	Ithaca
Matt, Walter Joseph	1924 M	Utica
Mattheson, George Lester	1923 A	Jersey City, N. J.
Matthews, Thomas Ignatius, B.S.	Grad	Denver, Colo.
Matthiessen, Ira Cornwall	Sp M	Chicago, Ill.
Mattison, Arthur Carroll	1923 Ag	Comstock
Mattli, Peter Anthony, B.S.	Grad	Uri, Switzerland
Mattoon, James Harris	1922 M	Pittsfield, Mass.
Mattson, May Margaret	1923 Ag	Jamestown
Maucieri, Michael	1923 C	Harrison
Maurer, Marie Therese	1922 M	Paris, France
Maurillo, Dominick Francis	1920 A, 1923 MD	New York City
Maury, Richmond, B.S.	Grad	Norfolk, Va.
Maus, Frank Charles	1923 V	Johnson City
Mawha, James Kenneth	1921 M	Newark, N. J.
Maxson, Clark Prude	1921 M	Cleveland, Ohio
Maxwell, Maxwell Walthour	1920 A (Chem)	Wilmington, N. C.
May, Edgar Saunders	1923 M	Chevy Chase, D. C.
May, Frederick Arthur	1920 A, Grad	Brooklyn
Maye, Clyde	1921 M	Williamsport, Pa.
Mayer, John Davenport	1922 M	Bath
Mayer, Irving	1923 A	Newark, N. J.
Mayer, Kurt Arnold	1920 Ag	Brooklyn
Mayers, Helen Jean	1923 A	Brooklyn
Mayfield, Lee K., M.D.	Sp MD (N.Y.C.)	Inverness, Miss.
Maynard, Franklin Purdy	1920 Ag	Stamford
Maynard, Harold Bright	1923 M	Northampton, Mass.
Maynard, Kingsley Darwin, A.B.	1921 MD (N.Y.C.)	Roscoe
Mead, Harvey Linwood, jr.	1923 M	New York City
Mead, Lawry Townsend, jr.	1923 Ag	Brooklyn
Mead, Leon Harvey	1923 Ag	Hudson Falls
Mead, Raymond Benedict, B.A.	1921 Ag	Middletown, Conn.
Mead, Walter Russell, A.B.	1922 MD (N.Y.C.)	Geneva, Ohio
Meadow, Jacob	1920 L	Paterson, N. J.
Meaker, Ellis Robert	1923 A	Auburn
Meaker, Josephine	1923 A	Auburn
Meal, William Guy	1923 Ag	Lockport
Mears, William Hodgson	1922 Ag	Brooklyn
Measday, Walter, jr.	1920 Ag	Brooklyn
Meays, Helen Marjorie	1923 Ag	Baldwinsville
Medlong, Frederick William	1921 Ar	Oswego
Meehan, Agnes Marie	1921 A	Troy
Meehan, John Edwin	1923 A	Elgin, Ill.
Megear, William Bell, jr.	1920 A	Wilmington, Del.
Meier, Walter Julius	1920 A	St. Louis, Mo.
Meigs, Basil Clendenin	1924 C	Washington, D. C.
Meikle, John Donald	1920 Ag	Baltimore, Md.
Meiklejohn, James Stuart, B.A.	Grad	Pawtucket, R. I.
Meinhold, Louis	1922 A	New York City
Meisels, Harry	1922 Ag	Willseyville
Meixner, Warren Blumhart, B.S.	Grad	Philadelphia, Pa.
Mekeel, Amy Grace, A.B., A.M.	Grad	Trumansburg
Melaragno, Hugh Alfiero	1923 A	Cleveland, Ohio
Mellefont, Ida Gertrude	1923 A	Belmont
Menaker, Leonard Marx Aveling	1922 Ag	New York City
Menasvetta, Prasiddhi	1923 M	Bangkok, Siam
Mendez, José Antonio	1923 M	Ponce, P. R.
Menkin, Leonidas	1922 M	New York City
Mentz, Joseph Mathias	1922 L	Newark, N. J.
Mentzinger, William Frederick, jr.	1921 C	Rockaway Beach
Mera, José Rafael	1923 M	Arecibo, P. R.
Merchant, Charles Henry	1920 Ag	West Monroe
Mercolino, Patrick Vincent	1922 L	Bayonne, N. J.
Merksamer, David	1923 A	Brooklyn
Merrell, Charles Marquis	1923 A	St. Louis, Mo.
Merrell, George, jr.	1920 A	St. Louis, Mo.
Merrick, Lester Finney	1920 M	Hamilton, Ont., Canada
Merrill, Charles Marquis	1923 A	St. Louis, Mo.
Merrill, Dudley Rae	1920 Ag	Holtsville
Merrill, Earl DeWight	1921 Ag	Bristow, Va.
Merrill, Frederick Brettell, B.S.	Grad	Schoharie
Merrill, Harold Arthur	1922 Ag	Ithaca
Merrill, Raymond Nathaniel	1920 M	Springfield, Mass.
Merrill, Vivian Agnes	1920 Ag	Merrill

Merriman, Reniff Cutler	Sp Ag	Wellsbridge
Merriss, Margaret Grace, A.B.	1923 MD	Brooklyn
Merritt, Clifford Alexander	1923 V	Walden
Merritt, Sara Royce	1922 Ag	Hartsdale
Mertens, Jacob, jr.	1920 A	New Rochelle
Mertz, Gordon John	1920 M	Colden
Merz, Harold Oscar	1922 A (Chem)	Newark, N. J.
Metcalfe, Sarah Josephine	1923 Ag	Great Kills
Metz, Louis Arthur	1923 C	Omaha, Neb.
Metzger, Herman Arthur	1921 M	New York City
Mezner, Ralph William	1922 M	Wheeling, W. Va.
Meulendyke, Oswald Kroes	Sp Ag	Rochester
Meyer, Aline	1923 A	Lake Charles, La.
Meyer, Henry Coddington, 3d	1922 M	Montclair, N. J.
Meyer, Herold Strouss	1923 A	Youngstown, Ohio
Meyer, Karen Elizabeth	Sp Ag	Copenhagen, Denmark
Meyer, Marco Cecil	1924 Ag	Chicago, Ill.
Meyer, Marie Gesine	1923 A	Richmond Hill
Meyers, John George	1923 Ag	Passaic, N. J.
Meyers, William Koontz, jr.	1922 A	Harrisburg, Pa.
Michael, Ameta, B.A., J.D.	Sp MD (N.Y.C.)	New York City
Michael, Grace Vivian	1922 Ag	Washington, D. C.
Michaud, Georges, B.Litt., B.Sc.	Grad	Alexandre, Que., Canada
Michel, Achilles Edmund	1922 M	Buffalo
Micou, Creswell MacMurray	1920 L	Washington, D. C.
Middlehurst, Arthur Edward, B.Arch.	Grad	Vincennes, Ind.
Middleton, Gordon Kennedy, B.S.	Grad	Warsaw, N. C.
Mielcarek, Francis	1923 M	Buffalo
Miffin, William Biddle	1922 C	Clayton
Migone, Enrique Yoaquin	1924 M	Ascension, Paraguay
Migridichian, Vartkes, A.B.	Grad	Rodosto, Turkey
Mihalko, Richard Barnes	1921 Ag	Hobart
Miles, Dewitt Charles	1923 M	Yonkers
Miles, Kirk Etna	1921 A	Pauls Valley, Okla.
Mill, Edgar Leslie	1924 M	Mount Vernon, Ohio
Millar, Robert Schilling	1923 M	Rockaway Beach
Miller, Abraham Elliot	1921 A (Chem)	New York City
Miller, Albert Rauch	1923 Ag	Reading, Pa.
Miller, Armonde Kelsey	1923 A	Olean
Miller, Charles Karleton	1921 M	Rochester
Miller, Charles Stern, A.B.	1922 MD (N.Y.C.)	Corona
Miller, Clara Katharine	1920 Ag	Pawtucket, R. I.
Miller, Eugene, M.D.	Sp MD (N.Y.C.)	Lucas, Kansas
Miller, Evelyn Harriet	1922 A	Corona
Miller, Frank Edward, jr.	1922 C	Rochester, Pa.
Miller, Harold Edward	1922 M	Albany
Miller, Harold Fredric	1920 A, 1923 MD	Seneca Falls
Miller, Harold Gordon	1923 M	Ithaca
Miller, Harold Siberling	1922 L	Akron, Ohio
Miller, Henry Francis	1923 M	Utica
Miller, Henry Rohrer	1920 Ag	Mamaroneck
Miller, Iva Evelyn	1920 Ag	Alden
Miller, Kerwin Joseph, jr.	1924 M	New Kensington, Pa.
Miller, Laura, A.B.	1920 MD (N.Y.C.)	New York City
Miller, Lewis Charles	1921 M	Ithaca
Miller, Lillian Evelyn	1923 Ag	Ithaca
Miller, Mary Alida	1921 Ag	Warsaw
Miller, Mary Helen	1921 Ag	Ithaca
Miller, Peter Paul	1920 A	Buffalo
Miller, Prue Herzberg	1921 A	Philadelphia, Pa.
Miller, Robert Mathias	1923 V	New York City
Miller, Stella Miriam	1920 MD (N.Y.C.)	West New York, N. J.
Miller, Thomas Ewing	1924 C	Columbus, Ohio
Miller, Thomas Rabe	1923 A (Chem)	Canton, Ohio
Miller, Walter Lewis	1920 A	Thompson, Pa.
Miller, Walter Scott	1921 Ag	Brooklyn
Milliken, Frederick Archibald	1923 M	Poughkeepsie
Mills, Arthur Kenward	1922 Ag	Binghamton
Mills, Adrian Morse	1920 V	Durhamville
Mills, Harold Strycker, B.S.	Grad	Ithaca
Millsbaugh, Annie Milne	1922 A	Brooklyn
Millmoe, James DeLarg	1923 C	Canastota
Millmoe, Robert Sandford	1923 M	Canastota
Milne, Alexander, jr.	1923 M	Plainfield, N. J.
Milstein, Samuel Harry	1920 A	Albany
Minar, George Elliott	1922 L	Ithaca
Miner, Harry George	1921 M	Louisville, Ky.
Minton, Paul Haring	1921 M	Chatham, N. J.
Minty, John Emery	1921 M	Muskegon, Mich.

Miscall, Jack	1923 Ag	Albany
Mish, Frank Winder, jr.	1921 A	Hagerstown, Md.
Mitchell, Charles Malcolm	1921 C	New York City
Mitchell, Dale Raymond	1921 A	Ithaca
Mitchell, Frank Bradford	1922 Ag	Brooklyn
Mitchell, Frank VanEpps	1923 C	Chicago, Ill.
Mitchell, Maxwell, B.S.	1920 MD (N.Y.C.)	New York City
Mitchell, Robert Arthur	1921 Ar	Norfolk, Va.
Mitnick, Israel Edward	1922 Ag	Brooklyn
Mittelman, Leo Bernard	1923 A (Chem)	Long Island City
Modjeski, Charles E. S.	1921 C	Chicago, Ill.
Moersfelder, William John, B.S.	1922 V	New York City
Moffitt, Robert Colborn	1921 M	Wallace, Idaho
Moffitt, Thomas Edward	1922 A (Chem)	Wallace, Idaho
Mogensen, Allan Herbert	1923 M	Plainfield, N. J.
Moline, Hilda Josephine	1920 Ag	Patterson
Molinet, Enrique Roberto	1920 M	Delicias, Cuba
Molinet, Joaquin	1921 M	Chaparra, Cuba
Moller, Edward	Grad	Thorso, Fredriksbad, Norway
Moller, Joseph Addison	1923 M	New York City
Monroe, Olive May	1920 Ag	Waverly
Monroe, Roswell Miller	1922 V	Liberty
Monsees, Madeleine Kathryn	1924 A	Brooklyn
Montague, Doris	1923 A	New Rochelle
Montague, William Pepperell, jr.	1921 A (Chem)	New York City
Montemayor, Mariano Rangel	1922 V	Alaminos, Pangasinan, P. I.
Montero, Harry Ernest, B.S.	1920 MD (N.Y.C.)	Bloomfield, N. J.
Montes, Atruro Jose	1924 C	La Paz, Bolivia
Monteverde, Frances	1923 A	Jersey City, N. J.
Montfort, Ellis Lindsey	1920 V	Peruville
Montgomery, Elizabeth Calhoun	1921 V	West Augusta, Va.
Moody, Alden Howard, B.S.	Grad	Concord, N. H.
Moon, Charles, B.S., C.E.	Grad	Morgantown, W. Va.
Moon, Merl Perrott, A.B.	Grad	Beaver Falls, Pa.
Moore, Annie Lardner	1921 A	Moorestville, N. C.
Moore, Arthur Hale	1921 C	Benton, Pa.
Moore, Arthur Rose	1923 A	Fredonia
Moore, Dean Crawford, A.B.	1922 MD (N.Y.C.)	Newark, N. J.
Moore, Edgar Blackburn	Sp Ag	Charlotte, N. C.
Moore, Edwin Markley	1923 Ag	Coatesville, Pa.
Moore, John MacLeod	1921 A (Chem)	Fredonia
Moore, Mary Eastman	1920 Ag	Ithaca
Moore, Norman Slawson	1924 A	Ithaca
Moore, Paul Fredrick	1922 M	Watertown
Moore, Roy Wallace, B.S.	Grad	Silver Creek
Moorhead, Douglas McCord	1922 Ag	Moorheadville, Pa.
Moot, Edmund Northrup	1922 Ag	Richmondville
Moran, Charles Blake	1920 M	Bernardsville, N. J.
Moran, Mary Josephine	1922 A	Middletown
Morehouse, James Henry	1923 M	Oswego
Morelos, Jose Ramos, B.A.	1922 C	Manila, P. I.
Morgan, Alexander Clerihew	1923 A (Chem)	Highland Park, Ill.
Morgan, Carlton James	1920 V	Herkimer
Morgan, Edna Hazel	1921 A	Gilberton, Pa.
Morgan, Frederick John	1921 A (Chem)	Mountain Lakes, N. J.
Morgan, Godfrey, jr.	1922 M	Buffalo
Morgan, Mary Ives	1921 Ag	Ithaca
Morgan, Thomas Richard	1920 A	Gilberton, Pa.
Morgan, Willis Dickinson	1923 A	Sprakers
Moriarty, Mortimer Emmett	1922 A	South Manchester, Conn.
Morrill, Channing Hawkes	1920 Ag	Richmond Hill
Morris, Abraham M.	1922 C	New York City
Morris, Benn Grandin	1922 M	Ithaca
Morris, Charles Elmer	Sp Ag	Alpine
Morris, Cora Hennen, A.B.	1920 MD (N.Y.C.)	West Chester
Morris, Donald Evan	1920 Ag	Lincoln
Morris, Dora	1922 L	Amsterdam
Morris, Galloway Cheston	1922 M	Lake George
Morris, Grace Evelyn	1922 A	Buffalo
Morris, Henry Gray, A.B.	1921 MD (N.Y.C.)	Jamestown
Morris, John Carless	1922 A	Sag Harbor
Morris, Michael Joseph, jr.	1924 M	Jamaica
Morris, Robert Porter	1920 Ag	Ovid
Morris, Ruth Mae, B.A.	1923 MD	Chicago, Ill.
Morrison, Charles Townley	1921 A (Chem)	Ithaca
Morrison, Frederick Maurice	Sp A	Ithaca
Morrison, Joseph Partridge	1922 Ag	Yonkers
Morrison, Malcolm Chapman	1923 M	Ithaca
Morrissey, Dorothy	1923 Ag	New York City
Morrow, Charles Tracy	1924 M	Sugar Run, Pa.

Morrow, Glenn Raymond, A.B., A.M.	Grad	Crane, Mo.
Morrow, Margaret Weir	1921 Ag	Ithaca
Morse, Charles Walter	1921 A (Chem)	Amsterdam
Morse, Donald Emerson	1924 M	Rochester
Morse, Louis Jerome, B.A.	1922 MD (N.Y.C.)	Richmond Hill
Morse, Rowena Allen	1923 A	Ithaca
Morse, Wilhelmina Cohn	Sp Ag	Ithaca
Moses, Howard Alfred	1922 A	Chicago, Ill.
Moses, Nathan	1922 L	New York City
Mosher, Florence Irene	1923 A	Ann Arbor, Mich.
Mosher, James Howell	1922 M	Ithaca
Mosier, Martin Henry, jr.	1923 Ag	Los Angeles, Cal.
Mott-Smith, Harold Meade, A.B.	Grad	Schenectady
Motycka, Anna	1923 A (Chem)	Utica
Motycka, Joseph	1922 M	Utica
Mouronval, Alice Emma Louise	1923 A	West New Brighton
Movshovitch, Florence Maxine	1921 A	New York City
Mowry, Eugene Clayton	1923 Ag	New York City
Moyer, Robert Raymond	1922 M	Plainfield, N. J.
Mueller, Maximilian Aloysius	1923 C	Baltimore, Md.
Muenschler, Walter Conrad, A.B., A.M.	Grad	Lynden, Wash.
Mulholland, Andrew Murdock	1924 M	Fort Wayne, Ind.
Mullaly, Carter	1923 M	Long Beach, Cal.
Mullaney, John Barry	1923 A	Corning
Muller, Albert Stanley	1923 Ag	Huntington
Muller, Franklin Frederick	1923 A	Ithaca
Muller, Gladys Marie, A.B.	1923 MD	Brooklyn
Muller, Mildred	1920 A	West Somerville, Mass.
Muller, Richard	1921 M	New York City
Muller, Sylvia	1923 A	New York City
Mumper, Conrad Hewitt	1921 A (Chem)	Trenton, N. J.
Mundt, Bernice Waitz	1922 A	Oil City, Pa.
Munford, Gertrude Constance	1923 Ag	Cooperstown
Munisteri, Philip	1920 C	Brooklyn
Munns, David Aloysius	1923 M	Dormont, Pa.
McGro, Stanley Everett	1923 Ag	Auburn
Munsel, Cornelia Adele	1920 Ag	New Hartford
Munsick, George	1921 A	Maplewood, N. J.
Munson, Arthur Louis	Sp Ag	Fowler, Colo.
Muntz, Grace Evelyn	1923 A	Buffalo
Muntz, William Emanuel	1921 A	Buffalo
Murless, Barbara Arden	1921 A	Hartford, Conn.
Murphy, Elsie Philippa	1922 A	Ithaca
Murphy, Emmet James	1922 A	St. Paul, Minn.
Murphy, Francis Hugh	1923 M	Sayre, Pa.
Murphy, Helen Elizabeth, B.S.	Grad	Phoenix
Murphy, Henry Penny	1920 L	Pawling
Murphy, John McCarthy, A.B.	1923 MD	Fall River, Mass.
Murphy, Robert William	1923 M	Phoenix
Murray, David Fraser	1922 A	Victoria, B. C., Canada
Murray, Donald Powell	1923 A (Chem)	Washington, D. C.
Murray, Earl William	1922 L	McDonald, Pa.
Murray, Lattie E. Guerrant	1923 A	Boone Mill, Va.
Murray, William Colman	1921 A	Dunkirk
Murrell, William Carey, B.E.	Grad	Wilmington, N. C.
Mutchler, John Powell	1922 C	Washington, D. C.
Muth, Frederick Jefferson	1921 A	Lititz, Pa.
Myers, Charles Emory, B.S., M.S.	Grad	State College, Pa.
Myers, George	1923 A	Cohoes
Myers, Jesse Lincoln	1920 M	Toledo, Ohio
Myers, Joseph Allen, jr.	1920 Ag	Bryan, Texas
Myers, Oscar	1921 A (Chem)	Hartford, Conn.
Myers, Walter Chapman	1922 M	Ridgewood, N. J.
Mykranitz, Frank McCormick	1923 A	Columbus, Ohio
Myrick, Donald Wisner	1922 M	Brooklyn
Myton, Walter Smucker	1923 M	Johnstown, Pa.
Nachmani, Isaac	1922 MD (N.Y.C.)	Rehoboth, Palestine
Naden, Edwin Thomas	1923 M	Olympia, Wash.
Nadherny, Russell John	1921 M	Chicago, Ill.
Nadler, Sol Joseph Rexwood, B.S.	1920 M	Gadsden, Ala.
Naeter, Albrecht, B.S.	Grad	New Baden, Texas
Nahama, Joseph Jacob	1921 Ag	New York City
Nalfare, Therese Clara	1923 A	Johnsonburg, Pa.
Nallin, Leo Joseph John	1922 A	Honesdale, Pa.
Nansen, Trunlin	Sp Ag	Lysaker, Norway
Narwold, Alfred Henry	1920 A	Cleveland, Ohio
Nash, Naomi	1920 A	Ithaca
Nash, Thomas Palmer, jr., A.B., M.A.	Grad (N.Y.C.)	Elizabeth City, N. C.
Navin, Stephen Joseph	1923 Ag	New York City

Naylor, George Windsor	1922 A (Chem)	Stamford, Conn.
Nazor, Howard Mussett	1923 L	Ashtabula, Ohio
Neafie, William Otis	1920 C	Spring Lake, N. J.
Neal, Alice Heselton	1920 A	Philadelphia, Pa.
Neale, William Wallace	1921 M	Richmond, Va.
Needham, John Taylor	1920 Ag	Ithaca
Needham, Virginia Walton	1923 A	Ithaca
Needle, Joseph	1920 C	Charleston, S. C.
Neeland, Charles John	1921 M	Wayne, Pa.
Neidich, George Garwood	1923 A	Edgewater Park, N. J.
Neidlinger, Henry Theodore, jr.	1923 A	Oswego
Neill, Edward Ellington	1921 A	Ithaca
Nelson, Forrest Prince	1920 Ag	Groton, Vt.
Nelson, Harold George	1923 V	Clinton Corners
Nelson, John Herbert, A.B.	Grad	Spartanburg, S. C.
Nelson, Margaret Hathaway, A.B.	1920 MD (N.Y.C.)	Buffalo
Nelson, Mesmith Perry, M.D.	Sp MD (N.Y.C.)	Minneapolis, Minn.
Nerenstone, Samuel Heyman, B.A.	1923 MD (N.Y.C.)	New York City
Nesbett, John Gottlieb	1923 M	Bayside
Nethercot, David George	1920 C	Winnetka, Ill.
Neu, Edgar Wesley	1921 C	Buffalo
Neuhoff, Norman George	1924 M	St. Louis, Mo.
Neun, John Henry	1922 C	Rochester
Nevens, Milton Alson	1922 V	Glens Falls
Neville, Homer Borst, B.S.	Grad	Sharon Springs
Neville, Willis Cushing	1924 A	New York City
Nevins, Robert Marcle, jr.	1922 Ar	Buffalo
Newbury, Alice Elizabeth	1923 A	Middle Falls
Newby, Arthur Brazil	1921 M	Acme, Texas
Newell, Esther	1922 A	Pittsburgh, Pa.
Newhall, Allan Goodrich, B.S.	Grad	Minneapolis, Minn.
Newman, Irving, B.A.	1922 MD (N.Y.C.)	New York City
Newman, Jacob Keifer, jr.	1923 C	New Orleans, La.
Newman, Laurence Weddell	1922 M	Cleveland, Ohio
Newman, Ruth	1921 Ag	Churchville
Newsom, Nathan James, M.D.	Sp MD (N.Y.C.)	Sandersville, Ga.
Newton, Elizabeth Olney	1923 A	Homer
Newton, Norman Toivo, B.S.	Grad	Brooklyn
Newton, Samuel Marsden	1922 M	Dunkirk
Nichols, James Burton	1923 A (Chem)	Danbury, Conn.
Nichols, Leslie Irving	1920 Ar	Evanston, Ill.
Nichols, Mary Genevra	1923 Ag	Watkins
Nichols, Melvin, B.Chem.	Grad	Dayton, Ohio
Nichols, Phillips Brooks	1924 Ar	Buffalo
Nicholson, James Starr	1921 Ag	Pittsburgh, Pa.
Nicholson, Raymond Vail	1921 C	Philadelphia, Pa.
Nicholson, Samuel Ralph	1922 M	Wilkes-Barre, Pa.
Nickerson, Paul Urban	1922 C	Needham, Mass.
Nicolaides, George James	1923 Ag	Ithaca
Niedeck, J. Albert	1921 M	Ithaca
Niedringhaus, Paul Eugene	1922 A	Pittsburgh, Pa.
Nielsen, Harold Villers	1922 M	Plainfield, N. J.
Nieman, Anton William Fredrick	Grad	The Hague, Holland
Nile, Abbott Howe	1923 A	Rumford, Me.
Niles, Edgar Dewitt	1923 M	Brooklyn
Nims, Arthur Van Doren	1923 M	Brooklyn
Nirenberg, Harry Edward, A.B.	1921 MD (N.Y.C.)	Brooklyn
Nitzberg, Frank	1922 M	Baltimore, Md.
Noback, James Lawrence	1923 M	Verona, N. J.
Noble, Clarence Vernon, B.S.	Grad	Ithaca
Noble, George Lansing	1920 M	Houston, Texas
Noble, Lawrence Everman	1921 Ag	Houston, Texas
Noble, Ralph Edwin	1921 Ag	Ithaca
Noda, Seiichiro	Grad	Kioto, Japan
Nolan, Humphrey	1921 Ar	Barnard
Nolfert, James Mack	1924 M	Forest City, Pa.
Nolin, Albert Raymond	1921 M	Auburn
Noll, Charles Franklin, B.S., M.S.	Grad	State College, Pa.
Noon, Estelle Chapuis	Sp A	Hempstead
Nordgren, Carl Wilhelm	1921 Ag	Schenectady
Norman, Elizabeth Dorothy	1922 A (Chem)	Brooklyn
Norman, William Lee	1923 Ag	Sinclairville
Norris, Charles Augustus	Sp M	Boonton, N. J.
Norris, Leo Chandler, B.S.	Grad	Hornell
Northrop, Burdette Kibbe, M.E.	Grad	Tarpon Springs, Fla.
Northrop, Floyd Lorrain, B.S.	1920 Ag	Tarpon Springs, Fla.
Northrop, Miles Gordon	1922 M	Tarpon Springs, Fla.
Northrop, Paul Allen, B.S.	Grad	Tarpon Springs, Fla.
Northrop, Roscoe Henry	1924 A	Tarpon Springs, Fla.

Northrup, Ruth Winifred	1921 A	Homer
Northup, Helen Frances	1923 A	Ithaca
Northup, Olive Emelyn	1922 A	Ithaca
Norton, Laurence Joseph, B.S.	Grad	Middle Granville
Norwood, Stanley Marion	1920 A (Chem)	Ithaca
Nosek, Anton George	1923 M	Cleveland, Ohio
Nostrand, Stephen Dudley	1920 A	Jamaica
Nover, Barnet, B.A.	Grad	New York City
Noyes, Harold Dewey	1923 Ag	Vestal
Nudlinger, Henry Theodore	1923 A	Oswego
Nugent, Albert Edward	1921 M	Dunkirk
Nugent, Paul Fordham, A.B.	1922 MD (N.Y.C.)	Southampton
Nunan, Thomas Joseph	1923 M	Summit, N. J.
Nye, Ruth Hammond	1920 Ag	Auburn
Nygren, Alfred Magnus	1923 M	Freeport
Oakes, Edith Susan	1923 Ag	Greenville Junction, Me.
Oates, Francis John	1920 Ag	Greene
Oboza, Alfonso Gallardo	1922 C	Bani, Pangasinan, P. I.
O'Brian, William Francis	1922 M	Oswego
O'Brien, Earl Francis	1920 C	Solvay
O'Brien, Ernest Newton	Sp Ag	Potsdam
O'Brien, George Putnam	1920 Ag	Talladega, Ala.
O'Brien, Henry Lewis, jr.	1921 L	Brooklyn
O'Brien, Ruth Marie	1921 A	Port Leyden
O'Brien, William Clyde	1921 L	Rochester
O'Britis, Edward William	1922 C	Edwardsville, Pa.
O'Connell, Aileen	1923 A	Ithaca
O'Connell, Daniel Michael	1923 Ag	Ovid
O'Connor, William Henry	1920 Ag	Horseheads
Odell, Ruby M.	1921 Ag	Hilton
Odessey, Herman Paul	1921 C	Brooklyn
O'Donnell, Frederick Joseph	1922 L	Herkimer
Oehrlein, George Joseph	1923 C	New York City
Offenhausser, John Samervell	1922 Ag	Texarkana, Ark.
O'Flaherty, Gertrude Irma	1921 A	Oil City, Pa.
Oftedal, Axel, B.A., M.D.	Sp MD (N.Y.C.)	Targo, N. Dak.
Ogden, Dorward Weston	1924 M	Port Byron
Ogden, John Bennett	1922 M	Ithaca
O'Keefe, Edward Bernard, M.D.	Sp MD (N.Y.C.)	Albany
O'Keefe, Paul Eugene	1922 L	Waterloo
Olds, Leon Audry	1920 A	Cortland
O'Leary, Joseph Henry	1921 V	Cortland
Olin, Spencer Truman	1921 M	Alton, Ill.
Olmsted, Laurence Judson	1923 A	Syracuse
Olney, Carl Weddigen	1922 A (Chem)	Rutland, Vt.
Olsen, Arthur	1920 L	South Norwalk, Conn.
Olsen, James	1922 A (Chem)	Arverne
Olsen, William	1922 A	Brooklyn
O'Neil, Thomas Francis, LL.B.	Grad	Albany
O'Neill, Joseph, B.A.	Grad	Lindsey, Ont., Canada
O'Neill, Mary Alice	1922 A	Auburn
Onstott, Virgil Samms	1921 C	Saltsburg, Pa.
Oppenheim, Charles Julius, Ph.B., M.S.	1923 MD (N.Y.C.)	Chicago, Ill.
Oppenheimer, Jean	1923 A	Buffalo
O'Reilley, Grace Kathryn	1922 A (Chem)	Oswego
Ormsby, Hiram Kingsley, jr.	1922 M	Syracuse
Ornstein, Rebecca	1924 Ag	Brooklyn
Orr, Raymond Coughlin	1922 C	Brooklyn
Orrell, Burton	Sp Ag	Apalachin
Orton, Malcolm Fuller	1920 A	Elmhurst
Orton, William Clifford, jr.	1922 A	West New Brighton
Osborne, Charles Herrick	1920 M	Warrensburg
Osborne, Edmund Burke	1921 Ar	Montclair, N. J.
Osborne, Herrick	1924 M	Warrensburg
Osborne, Merton Linwood	1923 C	Batavia
Oschrin, Leon	1921 M	Jersey City, N. J.
Oshrin, Henry	1922 A	Jersey City, N. J.
Osness, William Nathan	1922 Ag	Dayton, Ohio
Ostergren, Carl Fritiof	1921 M	Brooklyn
Ostergren, Oscar Raynor	1920 M	Brooklyn
Osthoff, Richard Henry Lee	1923 C	Hackensack, N. J.
Ostrander, Charles Leslie	1923 V	Ithaca
Ostrander, Paul Duane	1922 M	Schuylerville
Ostrom, Selden William	1921 A	Olean
Oteiza, Pable Benigno	1920 A	Cienfuegos, Cuba
Otis, Cecelia Catherine	1923 A	Ithaca
Otis, Philip Stewart	1922 M	Newburgh
Otis, Willard Benjamin	1921 Ag	Venice Center
Ottley, Frances Mabel	1920 A	Ithaca

Otto, Edward August	1923 M	Palatine Bridge
Overton, Warner Lawrence	1922 A	Westfield
Owen, Vincent Southworth	1922 M	Ithaca
Owens, Donald Halliday	1924 A	Rye
Owens, Norman	1923 A	Morristown, N. J.
Ozaroff, Benjamin	1922 M	Brooklyn
Packard, Sidney Alton	1921 A	Oklahoma City, Okla.
Paddock, Arthur James	1921 V	Prattsburgh
Paddon, William Wallace	1921 A (Chem)	Utica
Page, Alan Howard	1922 M	Binghamton
Page, Henry Nathaniel	1922 M	Perry
Page, Irvine Heinly	1921 A	Indianapolis, Ind.
Page, Joseph Russell	1920 Ag	Greene
Page, Lyman Arthur	1923 Ag	Greene
Pagliaro, Frank Joseph	1923 C	New York City
Paine, Kenneth Everett	1923 Ag	Medina
Paine, Louis Davis	1922 A	Toledo, Ohio
Painter, George Crawford	1922 M	Kittanning, Pa.
Paladino, Nicholas James, A.B.	1923 MD (N.Y.C.)	Jersey City, N. J.
Paleg, Leon, A.B.	1923 MD (N.Y.C.)	New York City
Palmer, Archie MacInnes	1920 A	Hoboken, N. J.
Palmer, Benjamin Henry, jr.	1923 C	Norwich Town, Conn.
Palmer, Charles Douglas	1922 C	Erie, Pa.
Palmer, Glenn Charles	1920 Ag	Oil City, Pa.
Palmer, Helen Elizabeth	1922 A (Chem)	Catskill
Palmer, James Beckley	1921 Ag	Oil City, Pa.
Palmer, Ralph Gorman, B.S.	Grad	Oil City, Pa.
Palmer, Robert Sherman	1922 Ag	Highland Park, Mich.
Palmer, Roger Sherman, B.A.	1922 MD (N.Y.C.)	New York City
Palmer, Thomas Somerville	1923 M	Newark, N.J.
Palmer, Walter, B.S.	Grad	Ithaca
Palomeque, Alonso Ermilo	1922 M	Merida, Yucatan, Mexico
Pancoast, James Childs	1922 Ag	Camden, N. J.
Pancoast, Russell Thorn	1922 Ar	Miami Beach, Fla.
Pao, Chun Hsu	1921 A	Nantung Hsien, Kiangsu, China
Pao, Kuo Pao	1922 M	Shanghai, China
Papish, Jacob, B.S., A.M.	Grad	Ithaca
Parbury, Caroline Marjorie	1921 Ag	New Rochelle
Pardo, Felipe Althaus	1922 Ag	New York City
Pardo, Luis Althaus	1923 M	New York City
Pardo, Manuel Althaus	1923 Ag	New York City
Paris, Edwin Lewers	1923 C	Honolulu, Hawaii
Parish, Ruth Frances	1923 Ag	Portville
Park, Richard Clearfield	1923 Ag	Woodstock
Parke, John Shepard	1923 Ar	Elmira
Parker, Charles Mather	1923 A	Bath
Parker, George Gilbert	1923 A (Chem)	East Orange, N. J.
Parker, Helen Louise	1923 A	Niagara Falls
Parker, Michael Monserrate	1923 Ag	Virginia Beach, Va.
Parker, Paul Everett	1921 A	Gouverneur
Parker, Ralph Johnson	1923 M	Morris Plains, N. J.
Parker, Sanford Ruby, jr.	1923 M	Madisonville, Ky.
Parker, Z. Rita, A.B.	1922 MD (N.Y.C.)	Lakewood, N. J.
Parkhurst Irving Wright	1922 A	Fair Haven, Vt.
Parks, Floyd Roswell	1921 A	Atlantic City, N. J.
Parrott, Edith Wilbur	1922 Ag	Lake George
Parrott, Martha Toscan	1922 Ag	Lake George
Parry, Beatrice Helen	1922 A	Carbondale, Pa.
Parry, Bernice Mary	1923 A	Carbondale, Pa.
Parsell, Charles Victor, jr., A.B.	1920 L	Ithaca
Parsell, Richard Kendrick	1921 A (Chem)	Ithaca
Parsons, Claud Van Gaasbeck	1923 Ag	Moravia
Parsons, Donald Adelbert	1923 A	New Rochelle
Parsons, Florence Whittier	Sp Ag	Ithaca
Pascual, Vincente Parungao, A.B.	1921 C	Arayat, Pampanga, P. I.
Passage, Lloyd Story	1922 Ag	Brooklyn
Pashly, Samuel Jones, B.S.	1923 MD	Hudson Falls
Passow, Camilla Elizabeth	1923 MD	New York City
Patch, Robert Buckingham	1922 M	Berkshire
Patterson, Burke	1922 C	Wilkinsburg, Pa.
Patterson, Frank	1921 Ag	New York City
Pattison, Edward Hargrave	1920 A	Troy
Patton, Mary Harriet	1923 A	Brackney, Pa.
Pavlicek, Frederick, jr.	1922 Ar	New York City
Paxton, Richard Meldrum, jr.	1923 A	Washington, Pa.
Payer, Hildegard Marie	1923 A (Chem)	Schenectady
Payne, Frank Ellisworth	1922 Ag	Indian Lake
Payne, Robert Lozier	1923 M	Brooklyn
Peabody, Richard Hall	1922 Ag	White Plains

Pease, Donald Linus	1920 V	Delhi
Peavy, Edward, jr.	1923 A	Brooklyn
Peck, Bertram Hazen	1923 C	Port Jervis
Peck, Charles Gifford	1921 Ag	Phelps
Peck, Helen Edith	1922 A	Carbondale, Pa.
Peckworth, Howard Faron	1923 Ag	Ridgewood, N. J.
Peel, Henry Lindley	1923 M	East Orange, N. J.
Peer, Alfred James	1921 L	Deal Beach, N. J.
Peer, Lyndon Arthur	1922 A	Deal Beach, N. J.
Peet, Robert Barfe	1923 A (Chem)	Washington, D. C.
Pei, I. Hsiang A.T.E.C.	Grad	Luchowfu, Anhui, China
Peirce, John Lincoln	1923 Ag	New York City
Pelham, Wilbur, A.B.	1921 M	New Harmony, Ind.
Pellman, Arthur George	1921 A	Buffalo
Pellow, Frederick Lawrence	1922 A	Southbridge, Mass.
Peltz, Alfred	1921 A	Newport News, Va.
Pendery, Marcelle	1921 A	New York City
Pendleton, Claude M., C.E.	Grad	Port Dickinson
Pendleton, Fields Seeley, jr.	1921 A	Brooklyn
Penfield, Marshal George	1920 A	Fulton
Penfield, Willis Edgar	1920 M	Fulton
Pennock, Samuel Sellers, jr.	1922 A	Lansdowne, Pa.
Pentland, Henry Bishop	1920 Ar	Cleveland, Ohio
Pepin, Augusto, B.A., B.S.A.	Grad	St. Jean, Deschoillons, Que., Canada
Pepper, Benjamin, A.B.	1920 L	New York City
Perce, Charles Clifford	1920 Ag	Ithaca
Percy, Nathan Edward	1923 A (Chem)	Jersey City, N. J.
Pereyo, Luis Jesus, jr.	1922 L	Humacao, P. R.
Perez, Stanley Emilio	1923 M	Ithaca
Pérez y Diaz, Santiago Victor	1924 C	Havana, Cuba
Perkel, Louis Leo, B.S.	1923 MD (N.Y.C.)	Jersey City, N. J.
Perkins, Charles Stuart	1921 A	Newark
Perkins, William Elihu	Sp Ag	Fulton
Perlman, Solomon	1923 C	New York City
Perlzweig, Jacob James	1920 Ag	New York City
Perregaux, Edmond Adrian	1922 Ag	Lincoln, R. I.
Perrin, George Harold	1924 M	Batavia
Perrine, David Bates	1923 Ag	Centralia, Ill.
Perrine, Schuyler Alden	1921 Ag	Centralia, Ill.
Perry, Beatrice Thomas	1921 Ag	North Franklin
Perry, Frank Richmond, B.S.	Grad	Churchville
Perry, Henry Straun	1920 A	Jacksonville, Fla.
Perry, Raymond Arnold, B.S.	Grad	Dundee
Perry, Robert Ernest, jr.	1920 Ag	Westfield, N. J.
Perry, Winston Churchill	1922 L	Nyack
Pershing, Howell Terry, jr.	1921 A	Denver, Colo.
Petermann, Fernando Barth	1923 M	Kearsage, Mich.
Peters, Elizabeth Tillotson	1923 Ag	Ithaca
Peters, George Hugo	1921 Ag	Brooklyn
Peters, Jordan Holt	1923 C	Omaha, Neb.
Peters, Russell Holt	1920 A	Omaha, Neb.
Peterson, Ernest Reinhold	1923 M	Dover, N. J.
Peterson, Guy Alfred, B.S.	Grad	Cherokee, Iowa
Peterson, Joseph Arvid, B.S.	Grad	Louise, Texas
Pethick, Francis Samuel	1923 A (Chem)	Rochester
Petsch, Frederick Adam	Sp M	Pittsburgh, Pa.
Pettig, William Frederick	1923 Ag	New York City
Pew, James Edgar	1923 A (Chem)	Bryn Mawr, Pa.
Pfleger, Kenneth Warner	1921 A	Arlington, N. J.
Pflueger, John Seiberling	1921 A	Akron, Ohio
Pflueger, Theodore Seiberling	1922 A	Akron, Ohio
Pfrr, Idella Hall	1921 L	Brooklyn
Phelan, Earl Walter	1921 A (Chem)	East Orange, N. J.
Phelan, Walter Francis, A.B.	1920 MD (N.Y.C.)	Yonkers
Phelps, Leon Stanley	1921 Ag	Gansevoort
Phillips, Alice Georgina	Sp Ag	Brooklyn
Phillips, Charles Ainslie	1920 Ag	Ithaca
Phillips, George Howe	1922 M	Cleveland, Ohio
Phillips, Harry Ashton, B.S., A.B., A.M.	Grad	Warrensburg, Mo.
Phillips, Harry Webster	1923 M	Philadelphia, Pa.
Phillips, Laverne Samuel, B.S.	Grad	Ithaca
Phillips, Marcus Hanford	1923 Ag	Hulberton
Phillips, Robert Conkling	1920 A	Port Jervis
Phillips, Robert Fletcher	1920 A	La Junta, Colo.
Phillips, Rose	1923 A	Corning
Phillips, William Benedict	1924 Ag	Hulberton
Phillips, Zenetta Frances	1922 Ag	Norwood
Phipps, Alice Mabel	1922 Ag	Lockport
Phipps, Irving Rogers	1922 A	Cortland
Pick, Sydney Mortimer	1922 A	Newark, N. J.

Pickwick, Lambert Bishop	1922 Ar	Newark, N. J.
Pierce, Everett Washington	1922 Ag	Sidney
Pierce, James Dwight, D.V.M.	Grad	Springfield, Mass.
Pierce, William Marion, A.B.	Grad	Dunkirk
Pierson, Albert	1921 M	Brooklyn
Piesen, Maurice	1923 A	Brooklyn
Pigman, Augustus Penn	1921 M	Savannah, Ga.
Pile, Robert Francis	1922 A	New York City
Pincus, Barrett, B.S.	1920 MD (N.Y.C.)	New York City
Pinder, Doris Evelyn Millicent	1923 A	Oneida
Pioso, Robert Lyons	1921 Ar	Chicago, Ill.
Pirnie, James A.	1923 A	Pulaski
Pirnie, Miles David	1923 Ag	Pulaski
Pirnie, Nelson R.	1921 L	Pulaski
Pise, Eleanor Manwaring	1921 A	Goshen
Pitcher, Joel Ketchum	1920 A	Freeport
Pitkin, Royce Stanley	1923 Ag	Marshfield, Vt.
Pittman, Ernest Edgar, B.S.	Grad	Mayfield, Ky.
Place, Willard Fiske	1920 A	New York City
Plantinga, John Gilbert	1921 M	Cleveland, Ohio
Plass, Edward Lorenzo	1920 Ag	Poughkeepsie
Platt, Austin Blair	1922 M	Scranton, Pa.
Platt, Esther Mae	1922 A	Port Jefferson
Platt, George Lawrence	1924 M	St. Paul, Minn.
Platt, Joseph Curtis, 3d	1921 M	Scranton, Pa.
Plehn, George Joseph, A.B.	1920 MD (N.Y.C.)	New York City
Plotkin, Samuel	1923 Ag	Brooklyn
Plummer, James Minor	1922 Ag	Mobile, Ala.
Podboy, Frank Carl	1923 M	Forest City, Pa.
Pogue, Webster Vinson	1922 M	Mount Vernon
Polack, Waldemar	1921 C	New York City
Politoske, Edward John	1923 M	Fredonia
Pollard, Frank Howell, B.Chem.	Grad	Auburn
Pollard, George Fitz Randolph	1920 Ag	Chatham, N. J.
Pollard, George Murray	1923 M	Buffalo
Polomeque, Alonso Ermilo	1922 M	Merida, Yucatan, Mexico
Polunovsky, Mordecai	1923 Ag	New York City
Pond, Ben Luke, B.S.	1920 C	Columbia, Mo.
Pond, Casper Whittle, M. D.	Sp MD (N.Y.C.)	Pocatello, Idaho
Poole, Ragnhild Ramstad	1921 Ag	Ithaca
Poore, Leonard Lee	1920 Ag	Ithaca
Pope, Annie French	1923 A	Chattanooga, Tenn.
Pope, Jack	1922 A	Henrietta
Pope, William Hayes	1921 A	Haddonfield, N. J.
Poppe, Frank William	1923 M	New York City
Poritsky, Abraham	1920 Ag	New York City
Poritsky, Hillil	1920 A	Ithaca
Porter, Alexander Langmuir	1921 A	Niagara Falls
Porter, Francis Albert	1922 A (Chem)	Albion
Porter, Joseph Henry	1921 Ag	Sag Harbor
Porter, Joseph Pullman, B.S., M.L.D.	Grad	Ithaca
Porter, Mary Pullman	1922 A	New Rochelle
Porter, Rodman DeSemery	1923 A	Philadelphia, Pa.
Porter, Tyler Copeland	1921 A	Brookline, Mass.
Poselsky, Aaron	1923 C	Brooklyn
Post, Arthur Wilson	1922 A	Utica
Post, Leland Roberson	1923 C	Waterbury, Conn.
Postman, Mark William	1920 Ag	New York City
Potter, Harley Louis	1922 M	Aurora, Mo.
Potter, Helen Jannette	1922 Ag	Collins
Potter, Lloyd Gregory	1921 A (Chem)	New York City
Potter, Olin Chester	1921 Ag	Collins
Potts, Abbie Findlay, A.B., A.M.	Grad	Troy
Potts, George Carson	1922 M	Philadelphia, Pa.
Potts, John Wright	1923 M	Brooklyn
Potts, Thomas Jackson	1923 A (Chem)	Brooklyn
Powell, Dorothy Louise	1922 Ag	Norwood
Powell, Esther Hale	1922 A	Norwood
Powers, Arthur Dawes	1923 Ag	New York City
Powers, Placida Coronata	1922 A	Mount Carmel, Pa.
Powers, Patrick Francis	1920 Ag	Cohoes
Pratt, Elizabeth	1922 Ag	Wellesley Hills, Mass.
Pratt, Harold Arthur, B.S.	Grad	Shrewsbury, Mass.
Pratt, Roy Ernest	1921 C	Franklinville
Pratt, William Jefferson	1922 Ag	Cossayuna
Pratt, William Robert	1924 Ar	Bayonne, N. J.
Praushan, David	1920 Ag	New York City
Prellwitz, Edwin Mitchell	1920 Ag	Peconic
Prendergast, James, M.D.	Sp MD (N.Y.C.)	St. Boniface, Man., Canada
Prentiss, Earl Allison	1922 Ag	Watkins

Preston, Gerald Lucius	1921 Ag	McDonough
Preston, Melvin George	1922 A	Utica
Preston, Ruth Bell	1923 Ag	McDonough
Prétat, Hamilton Grenelle	1922 M	Waterville, Conn.
Prevosto, Alexander	1922 M	New York City
Price, Frank Reeves	1924 A (Chem)	Mount Pleasant, Iowa
Price, Walter Van, B.S.	Grad	Syracuse
Priestley, Marian Randolph, B.S.	Grad	Ithaca
Pringle, Harry Fowles	1920 A	New York City
Pritchard, John Paul	1922 A	White Lake
Pritchard, LeRoy William	1923 L	Ithaca
Proctor, Beresford Frank	1922 Ag	Mamaroneck
Proctor, Gordon	1922 Ag	Mamaroneck
Proper, Carlton Chase	1923 A	Des Moines, Iowa
Prosch, Walter Richard	1922 M	Newark, N. J.
Protzman, William Wilfred	1920 A	Brooklyn
Prout, Curtis Tuttle	1921 A	Windham
Proux, Mildred Agatha	1921 A	Glens Falls
Prugh, Edwin Nevin, jr.	1921 A	Bellevue, Pa.
Pryor, Lawrence Bellfield	1923 Ag	Millington, Tenn.
Puetz, Howard Dewey	1923 Ar	Lima, Ohio
Pugsley, Matthew Corell	1923 A	Ithaca
Pulver, Arthur Reynolds	1924 M	Adams Basin
Purcell, Edmond James	1923 M	Utica
Purcell, John Wallace	1923 M	Evanston, Ill.
Purdy, Alvin Canfield, A.B.	Grad	Middletown
Purdy, Donald MacLean	1921 A	Ithaca
Purdy, Dorman Steele, B.S.	Grad	Ithaca
Purdy, Earl, B.S.	1920 Ar	Saratoga Springs
Purdy, George Williams	1924 M	Laurelton
Purdy, Gladys Mary	1922 Ag	Ossining
Purdy, Nelson Wesley	1923 A	Castile
Purdy, Randall Brockner	1920 M	Laurelton
Purple, Carl Edward	1921 A	Newark Valley
Putman, Charles Willard	1923 Ag	Brooklyn
Putman, Hicks Warren	1921 Ag	Brooklyn
Putnam, Eleanor Rebecca	1922 Ag	Holland Patent
Quackenbush, Leo	1923 M	Warwick
Quackenbush, Ralph Jacob	1921 Ag	Cornwall-on-Hudson
Quaif, Clara Ella	1921 A	Richfield Springs
Quail, Willard Earl	1923 Ag	Brooklyn
Quattlander, Stella Josephine	1921 A	Buffalo
Queiroz, Eduardo Ribeiro	Grad	Parintius, Amazonas, Brazil
Quesal, Frank	1922 M	Yonkers
Quick, Clifford Daniel	1920 Ar	Ithaca
Quick, Charles Herbert	1922 A (Chem)	Newton Centre, Mass.
Quick, Martha Edith	1920 Ag	Ithaca
Quick, Mary Adelia	Sp Ag	Ithaca
Quick, Roberta Winchell	1922 A	Ithaca
Quimby, George Ellis	1921 Ar	Brooklyn
Quimson y Braganza, Mariano	1923 M	Alaminos, Pangasinan, P. I.
Quinby, Carleton Bliss	1923 M	Chappaqua
Quimlin, Frank John	1921 Ag	Poughkeepsie
Quinlivan, Bernice Isabelle	1922 A	Corning
Quinn, George Edward	1923 M	Albany
Quinn, Harold Joseph	1922 C	Westbury
Quiñones, Salvador	1921 C	Rio Piedras, P. R.
Quis, John Edward	1923 M	Maspeth
Rabinowitz, Harry William	1924 Ar	Corona
Race, Hubert Hawley	1921 M	Buffalo
Rackow, Mackey	1920 A	Spring Valley
Radcliff, William Leslie	1924 A	Nyack
Raducziner, Joseph	1921 C	Rochester
Raffloer, Ida	1920 A	Havana, Cuba
Ragland, John Fendall, jr., M.D.	Sp MD (N.Y.C.)	Richmond, Va.
Rahman, Lincoln	1923 A	Ossining
Rainold, Frank Edward	1922 M	New Orleans, La.
Rainville, Phileas H., M.D.	Sp MD (N.Y.C.)	New York City
Raiva, Simha	1922 A	Cambridge, Mass.
Ralph, Irving Clark	1922 M	Buffalo
Ramirez, David Santiago	1922 M	Cabo Rojo, P. R.
Ramsey, George Beaty	1922 A	High Bridge, N. J.
Ramsay, James Alexander	1921 A	Yonkers
Rand, Leighton Payson, A.B.	1921 MD (N.Y.C.)	Brooklyn
Randolph, Lorrell Fitz, Ph.B.	Grad	Alfred
Rane, Fannie Coolbaugh, B.A.	Grad	Waban, Mass.
Range, Frederick William, jr.	1921 A (Chem)	Painted Post

Rankin, Edith Anneta	1921 A	Brooklyn
Rankin, Edward Stevens, jr.	1921 A	Newark, N. J.
Ranno, Dwight Boutwell	1920 M	Ithaca
Raplee, Jay Wixson	1920 Ag	Ithaca
Rapp, Theodore George	1920 M	Delanco, N. J.
Rappleye, Snyder Charles	1920 Ag	Ithaca
Rasbridge, Emerson	1920 A	Reading, Pa.
Raseman, Richard Perrien	1920 Ar	Detroit, Mich.
Rassman, Ernest Frederick	1923 Ag	Hamden
Ratelle, Ruth May	1920 A	Glens Falls
Rathbone, John Atkinson	1921 V	Ithaca
Rattbun, Edward Taylor	1922 L	Toledo, Ohio
Rattner, Irving Ned, B.S.	1923 MD (N.Y.C.)	New York City
Rauh, Charles Edward	1922 C	West Hoboken, N. J.
Rawlins, Harold Mead	1921 A (Chem)	Glens Falls
Ray, Asaph E.	1923 Ag	Unadilla
Ray, Herwegh	1922 L	Sussex, N. J.
Ray, Jeannette Patricia	1922 A	New York City
Rayneo, Paul Hutcheson	1921 A	Beaver, Pa.
Raymond, Frances	1921 A	Philadelphia, Pa.
Rayner, Edward Engelbert	1923 M	Waverly
Raynor, Hubert	1921 L	Warwick
Read, Stuart Arthur	1920 M	North Milwaukee, Wis.
Reader, Charles Harry, B.S.	1923 MD (N.Y.C.)	New York City
Reading, Raymond Lyle	1921 M	Sydney, N. S., Canada
Reaman, George Elmore, B.A., M.A., B.Paed.	Grad	Woodstock, Ont., Canada
Reavis, John Wallace	1921 L	Washington, D. C.
Reck, Louis, jr.	1921 L	Brooklyn
Reckitt, Francis Benington	1923 A	Evanston, Ill.
Recknagel, John Herman, 3d	1922 M	Brooklyn
Redding, Robert Freitas	1922 M	Atlanta, Ga.
Reed, Allen Baldwin	1920 A (Chem)	Ithaca
Reed, Franklin Andrew	1922 M	Buffalo
Reed, James Richard	1923 C	Erie, Pa.
Reed, Laurence Andrew	1921 A	Springfield, Mo.
Reed, Louis Eckert	1923 A	Parkersburg, W. Va.
Reed, Louis Jerome	1921 A	Canandaigua
Reed, Robert Rentoul, B.S.	Grad	Washington, Pa.
Rees, Norma Anderson, B.S.	Grad	Ithaca
Reesby, Delmones McKinley	1924 A	Roanoke, Va.
Reese, Charles Elwood	1920 C	Westfield, N. J.
Reesor, Mary, B.S., A.M.	1920 MD (N.Y.C.)	New York City
Reeve, Ralph Tichenor	1920 A	Westfield, N. J.
Reeves, Burnett Allen	1921 A (Chem)	Lyons
Regan, Francis Aloysius, jr.	1921 C	Brooklyn
Regan, May Agatha	1921 A	New Britain, Conn.
Regensburg, Edward Joseph	1920 A	New York City
Reguera, George	1923 M	Buenos Aires, Argentina, S. A.
Reichart, Philip, A.B.	1923 MD (N.Y.C.)	New York City
Reichart, Russell Christian	1922 M	Greenport
Reichenthal, Laura	1922 A	Brooklyn
Reid, Georgia, A.B.	1920 MD (N.Y.C.)	New York City
Reid, Kirk Mendenhall	1920 M	Warren, Ohio
Reid, Zella Janet	1922 A	Albion
Reider, Joseph Raycroft	1921 A	Cortland
Reif, Herbert Richard	1922 Ag	Pittsburgh, Pa.
Reifschneider, Felix Edward	1922 A (Chem)	Hempstead
Reilly, George Kenneth	1922 M	Montclair, N. J.
Reineke, Lester Henry	1922 Ag	Baltimore, Md.
Reineman, Howard Hartje	1921 M	Pittsburgh, Pa.
Reinhard, Warren Daness	1922 M	Jersey City, N. J.
Reinolt, Elizabeth	1924 Ag	Howells
Reith, Marie	1921 M	New York City
Reitzel, Ralph Walker	1923 A	Williamsport, Pa.
Remick, Arthur Edward	1921 A (Chem)	New Rochelle
Remsen, Margaret Abbie	1921 A	Brooklyn
Repp, Amelia Pauline	1923 A	Newburgh
Reuther, Bernard Oscar	1920 A	Ithaca
Rex, Winifred Irene	1922 Ag	Altanta
Reyes, Emilio Pañgan	1923 M	Arayat, Pampanga, P. I.
Reyes, Javier Vanga	1920 Ag	Barceloneta, P. R.
Reyna, Evelyn Elizabeth	1923 Ag	Ithaca
Reyna, Leon Crescencio	1921 M	Ithaca
Reynolds, Almon Wentworth	1920 M	Oriskany Falls
Reynolds, Andrew Jackson	1920 Ag	Trumansburg
Reynolds, Bernice Caledonia	1920 Ag	Buffalo
Reynolds, George, jr.	1923 A	East Orange, N. J.
Reynolds, Harry Ellis	1923 M	Geneva
Reynolds, John Fagg	1923 A	St. Louis, Mo.
Reynolds, Samuel Henry	1922 M	Waterbury, Conn.

Reznikoff, Paul, B.S.	1920 MD (N.Y.C.)	Brooklyn
Rhode, Clarence Bennet	1922 A	New York City
Rhodes, Charles Eliot	1920 A	Brooklyn
Rhodes, Charles Everett	1923 A	Groton
Rhodes, Howard Erastus	1922 M	Greene
Rhodes, William George	1922 M	Ithaca
Ribovich, John	1924 Ar	Donora, Pa.
Rice, Clifton Edward	1923 C	Randolph
Rice, Frances Violet	1924 M	Philadelphia, Pa.
Rice, Harry	1921 Ag	Brooklyn
Rice, Marion Electa	1920 Ag	Homer
Rice, Randolph Packard	1921 M	Pittsburgh, Pa.
Rice, Ruth Van Buren	1923 Ag	Ithaca
Rich, Benjamin Sunderland	1923 A	Catonsville, Md.
Rich, Edward Lamour, jr.	1921 Ag	Catonsville, Md.
Richards, Bartlett	1923 M	Denver, Colo.
Richards, Dorrice Anwyl	1920 A, Grad	Ithaca
Richards, Edward Ferry	1924 A	Salt Lake City, Utah
Richardson, Lee Simonson	1922 M	West New Brighton
Richardson, Lycurgus Walton	1922 M	Hamilton, Ont., Canada
Richeson, Ruth	1921 A	Union City, Ind.
Richman, Milton Edward	1923 A	Newark, N. J.
Richmond, Donald Everett	1920 A, Grad	Great Barrington, Mass.
Richmond, Evelyn Gertrude	1922 A	Rochester
Richmond, William Edwin	1920 M	Colorado Springs, Colo.
Rickard, Allen Stocking	1923 Ag	Jordan
Rickard, Donald Sims	1921 A	Summit, N. J.
Rickard, Eric Martyn	1921 M	Summit, N. J.
Rickard, Guy	1920 Ag	Schoharie
Rider, Helen	1920 Ag	Ellicottville
Rider, Jonathan Benjamin	1922 Ar	Rider's Mills
Riffe, Lauretta Elizabeth	1921 A	Elmira
Righter, Floyd Lester, A.B.	Grad	South Pasadena, Cal.
Righter, Francis Irving	1923 Ag	Port Jervis
Riley, Edgar Heisler, A.B.	Grad	Wilmington, Del.
Riley, Eleanor Eva	1923 Ag	Rochester
Riley, George Pratt	1924 M	Oklahoma City, Okla.
Riley, John Philip	1921 C	Bellows Falls, Vt.
Riley, Ralph Lawson	1922 M	Albany, Ga.
Riley, Thomas Clyde	1923 A	Orange, N. J.
Ringe, Lester Charles	1920 L	Metropolitan
Rippe, William Frederick	1922 M	Mount Vernon
Rites, Marion Burhanse	1922 A	Ithaca
Ritter, Harry Raymond	1923 A (Chem)	Memphis, Tenn.
Rittershausen, August William	1921 Ag	Youngsville
Ritz, Francis Sanford	1923 M	Kendall
Rivenburgh, Dexter Vosburgh	1920 Ag	Ithaca
Roach, William Clyde	1922 A	Indianapolis, Ind.
Robb, Harry Walter	1923 M	Middletown
Robbins, George Bertram, A.B.	1923 MD (N.Y.C.)	Brooklyn
Robbins, Lawrence H.	1923 A	New York City
Robbins, Melvin	1924 A	New York City
Robbins, Warren David	1923 A	Port Norris, N. J.
Robens, William Glenn	1923 V	Poland
Roberts, Alan Young	1922 C	Takoma Park, D. C.
Roberts, Clarence Roger	1922 V	Holland Patent
Roberts, Hamilton Harvey	1920 M	Atlantic City, N. J.
Roberts, Henry Allison	1922 C	Ossining
Roberts, Kenneth Lindsey	1923 Ag	Ithaca
Roberts, Lillian Jane	1923 A	Sharon Springs
Roberts, Marjorie Irene	1920 Ag	Elmira
Roberts, Theis	1921 Ag	Port Washington
Roberts, Wendell Foster	1921 M	Staten Island
Robertson, Archie Hunt	1920 Ag	Lounsberry
Robertson, Lloyd Otis	1920 Ag	Churchville
Robeson, Richard James	Sp Ag	New York City
Robin, Paul	1922 Ag	New York City
Robineau, Maurice Henry	1923 M	Syracuse
Robinson, Aubrey Eugene	1920 V	Corona
Robinson, Benjamin Wilson	1922 M	Baltimore, Md.
Robinson, Cecil Stanley	1921 C	Ithaca
Robinson, Ernest Guy, B.S.	Grad	Moore, Mont.
Robinson, Frank Howland	1921 Ar	Albany
Robinson, Harold Gorham	1924 A	Owego
Robinson, James Reid	1920 Ag	Springwater
Robinson, Joseph Laurence	1923 M	Bound Brook, N. J.
Robinson, Marvin Bert, B.S.	Grad	Walton
Robinson, Ward Seeber	1923 Ag	Edmeston
Robson, Orson Rupert	1920 Ag	Hall
Rockow, Olga Goldie	1923 A	Brooklyn

Rockwell, Elias Smith	1923 M	Berkeley Springs, W. Va.
Rockwood, Grace Caroline	1924 Ag	Bombay
Rodda, José y de Leon	1924 M	Santa Clara, Cuba
Roden, Henry Wisdom	1920 A	New York City
Rodger, John Aldrich	1920 A	Richmond Hill
Rodwell, Irving Henry	1923 Ag	Albion
Rodwell, Ward Arthur	1920 Ag	Albion
Roeder, Alice Gertrud von	1923 A	New York City
Roehner, Theodore George	1924 A (Chem)	Hempstead
Roelofs, Charles Richard	1922 M	Pittsburgh, Pa.
Roemer, Hubert Joseph	1922 A	Toledo, Ohio
Roenne, Henry Frank	1921 Ag	New York City
Roesch, Robert Evans	1922 M	East Orange, N. J.
Roesse, Minna Gesine	1920 Ag	Buffalo
Roess, George Paul	1923 A	Oil City, Pa.
Roess, Gustav Frederick, jr.	1922 A (Chem)	Oil City, Pa.
Rogers, Donald Atwater	1923 M	Oswego
Rogers, Edna Mary	1920 A	Hammond
Rogus, Merle Laurence	1923 Ag	Oxford
Rohrer, Henry Augustus	1923 M	Lancaster, Pa.
Rohrer, John Jay	1923 M	Lancaster, Pa.
Rollin, Ruth	1923 Ag	New York City
Rollo, Walter Russell	1923 C	Freeport
Roman, Louis	1923 M	Corona
Rombach, Fred Wilson	1921 M	Watsontown, Pa.
Rometsch, William Henry, jr.	1921 A (Chem)	Philadelphia, Pa.
Ronto, Dorothy Helen	1923 Ag	Ithaca
Rooney, James Michael	1924 C	Renovo, Pa.
Root, Douglas Lee	1921 A	Cooperstown
Root, Edward Williams, jr.	1922 A (Chem)	Brockport
Root, Frederick Charles	1922 A	North Tonawanda
Root, Helen Mariette	1922 Ar	New Orleans, La.
Root, Lloyd Boughton	1923 M	North Tonawanda
da Rosa, Antonio Rocha	Grad	Pelotas, Brazil, S. A.
Rose, Clinton William	1923 M	Ithaca
Rose, David, B.S.	1923 MD (N.Y.C.)	Brooklyn
de Rose, Ralph Marston	1923 Ar	Gloversville
Rosell, Victor Julio	1923 Ag	Trujillo, Peru, S. A.
Rosen, Robert	1923 A	Buffalo
Rosenberg, Lester, B.S.	1923 MD (N.Y.C.)	Brooklyn
Rosenblatt, Meyer	1921 M	New York City
Rosenblum, Joseph, B.S.	1921 MD (N.Y.C.)	New York City
Rosenstein, Morris	1920 Ag	Hurleyville
Rosenwald, Theodore, jr.	1923 A (Chem)	New York City
Ross, Adelaide Helen, B.A.	1921 MD (N.Y.C.)	Nyack
Ross, Charles Chandler	1921 Ag	Philadelphia, Pa.
Ross, Harriet Frances	1922 MD (N.Y.C.)	Brentwood
Ross, James Albert	1922 M	Dryden
Ross, John William	1920 Ar	New York City
Ross, Mary Lillian	1923 A	Cohoes
Ross, Morris Brookes, B.S.	Grad	New York City
Ross, Robert Myers	1923 C	Sheldon, Ill.
Rosseau, Leon Bidwell	1922 M	Lyme, Conn.
Roth, Eugene Donald	1922 M	Ithaca
Roth, John Edward	1922 A	Tulsa, Okla.
Roth, Louise Ryland	1923 A	Chicago, Ill.
Rothschild, Wilfred A.	1923 M	New York City
Rothwell, James Lee, B.S.	Grad	Elmira
Rotunda, Dominic Peter, A.B.	Grad	Dunkirk
Roux, Louise Martha	1920 Ag	East Orange, N. J.
Rowe, Mildred Virginia	1922 A	Hampton, Va.
Rowe, Richard Grant	1924 C	Cleveland, Ohio
Rowlee, Silence	1920 A	Ithaca
Royce, Elisabeth Hurd	1921 Ag	Ithaca
Royce, Louise I.	1921 Ag	Gouverneur
Royce, Milton Pettis	1921 Ag	Ithaca
Rubel, David Lubin	1922 Ag	Long Beach
Rubin, Beatrice Ruth	1923 A	West Philadelphia, Pa.
Rubinfield, William	1921 A	Jersey City, N. J.
Rubinow, Leonora Blanche	1920 A	Newark, N. J.
Rudd, Thomas Brown	1921 L	Clinton
Ruehle, Otto, jr.	1922 V	Clinton Corners
Ruf, Francis Augustus	1923 A	Catskill
Ruhl, David Antes	1920 C	Des Moines, Iowa
Rumanoff, Herbert Max	1922 Ag	New York City
Rumanoff, Louis Lawrence	1924 Ag	New York City
Rumsey, Austin Lyman	1923 C	Cato
Rundlett, Edwin Albert	1920 Ag	New Brighton
Runge, Frederick William, jr.	1921 A (Chem)	Painted Post
Runsdorf, Elmere Theodore	1922 Ag	Brooklyn

Ruoff, Frederic Lexington	1920 M	Binghamton
Rupert, Philip Douglas	1920 Ag	Ithaca
Rupert, Ida Amsinck	Sp Ag	New York City
Rurode, William Scrivener	1920 A	Jersey City, N. J.
Russell, Alden Hesselstine	1920 V	Watertown, Mass.
Russell, Edwin Philip, A.B.	1920 MD (N.Y.C.)	Crown Point
Russell, Ernest Frederick	1920 MD (N.Y.C.)	White Plains
Russell, George Henry, B.S.	1922 L	Winthrop
Russell, Paul Farr, A.B.	1921 MD (N.Y.C.)	Lawrence, Mass.
Rust, Wilbur Oscar	1922 C	Ithaca
Rutenber, Charles Blackmer	1921 A (Chem)	Walden
Ruth, Verl Alton, M.D.	Sp MD (N.Y.C.)	Des Moines, Iowa
Rutherford, Erwin Robert	1922 Ag	Gouverneur
Ruttenberg, Joseph	1923 C	Brooklyn
Ryan, Edwin Colburn, jr.	1922 A	Winnipeg, Manitoba, Canada
Ryan, Emmett James, jr.	1920 Ag	Seneca Falls
Ryan, Phil	1920 M	Helena, Mont.
Ryckman, Elizabeth Ruth	1924 Ag	Brocton
Ryder, Amelia Anne	1923 Ag	Orr's Mills
Rynalski, Augustyn	1921 A (Chem)	Fredonia
Rynalski, Henryk	1920 A (Chem)	Fredonia
Rynearson, Lucy Amelia	1923 Ag	Newark
Saam, George William Anton	1921 A	Brooklyn
Sabatt, Charles Benjamin	1921 Ag	Brooklyn
Sachs, Kelvin Norman	1921 M	Hartford, Conn.
Safir, Israel Crausue	1921 A	New York City
Sagal, Marcus	1921 C	Baltimore, Md.
Sailer, William A. F.	1922 M	Dallas, Texas
St. John, Edward Munroe	1923 A	Bay Shore
St. John, Ruth Anita	1922 Ag	Woodstock
St. John, Ruth Nimmo	1922 A	Manchester
Salcedo, S. Hernando	1921 Ag	Bogota, Colombia, S. A.
Salmon, Thomas Kinglerlee	1923 A	New York City
Salsbury, Howard Eugene	1922 M	Cazenovia
Saltmarsh, Frances Morse	1921 A	New York City
Sampson, Archer Maddy	1923 M	Muncie, Ind.
Sampson, Frederick William	1922 M	Muncie, Ind.
Sampson, William Elliott	1923 A	Cincinnati, O.
Samson, Hector Bradford	1922 M	Dunmore, Pa.
Samson, Joseph Edward, M.D.	Sp Md (N.Y.C.)	New York City
Sand, Austin Wertman William	1920 Ag	Lockport
Sandell, Robert Edward	1922 M	Baltimore, Md.
Sanders, Edward Berrien	1923 V	Ritter, S. C.
Sanders, Gerald DeWitt, B.A., M.A.	Grad	Pageland, S. C.
Sandford, Craig	1921 Ag	Flushing
Sandford, Hazei	1922 Ag	Angola
Sands, Everts Foster	1821 A	Morristown, N. J.
Sanford, Chauncey Beecher	1923 M	Seymour, Conn.
Sanford, Trent Elwood	1921 Ar	Chicago, Ill.
Sanger, Edmund Charles Phipps	1922 Ag	Mount Vernon
Santilli, James Alfred	1923 M	Hazleton, Pa.
Santoro, Grace Marie	1921 A	Waterbury, Conn.
Santos, Mario Bastos	1923 M	Recife, Brazil, S. A.
Santos, Melecio Manuel	1923 M	Rizal, P. I.
Saphir, Herbert, B.A., M.A.	Grad	Brooklyn
Sarachan, Herman Albert, B.S.	Grad	Rochester
Sarafian, John Richard	1921 A (Chem)	Woodhaven
Sarle, Warren Freeman	1923 Ag	New Berlin
Sarnoff, Beatrice	1923 A	New York City
Satterthwaite, Alvin Lyman	1922 A (Chem)	Stanton, Del.
Saunders, Floyd Cary	1921 Ag	Athol Springs
Saunders, John Lewis, B.S.P., D.D.S.	Sp MD (N.Y.C.)	Anderson, S. C.
Saunders, Ralph Sidney	1922 M	Springfield, Mass.
Saunt, Sarah Jannette	1922 Ag	Wilton
Sauters, John Davis, jr.	1920 A	Martins Ferry, Ohio
Sauters, Thomas Espy	1921 A	Martins Ferry, Ohio
Savage, Louis Frank	1921 Ag	Mamaroneck
Savoie, Walter Tracy	1922 M	Westfield, N. J.
Sawin, Paul Baldwin	1922 M	Westfield, N. J.
Sawyer, Helen	1924 Ag	Buffalo
Sawyer, Ralph Henry, B.S.	1920 A	Terre-Haute, Ind.
Saxe, Gladys	Grad	Fitchburg, Mass.
Scacciaferro, Salvatore John	1921 A	Lansdale, Pa.
Scammell, Robert Jesse	1921 C	West New York, N. J.
Schaaf, Marion Clara	1921 Ag	LaFayette
Schade, John Alan	1923 A	New York City
Schaefer, John Jacob Vogt	1921 A (Chem)	Holyoke, Mass.
Schaeffer, Ralph William, B.S.	1921 C	Rockville Center
	1921 MD (N.Y.C.)	Leham, Wash.

Schaenen, Nelson	1923 Ag	Morristown, N. J.
Schafer, Howard Daniel	1923 Ag	Albany
Schaffer, Harry	1923 A	Newark, N. J.
Schauble, Otto Charles	1924 M	Hudson
Schedler, Herbert Donald	1923 A	Jersey City, N. J.
Scheinberg, Sara	1921 A	Brooklyn
Scheinblum, Abraham Jay	1923 Ag	New York City
Scheller, Marguerite Ill	1923 Ag	Newark, N. J.
Schempf, Robert	1920 C	New York City
Schenck, Gretel Angle	1921 Ag	Rochester
Schenck, Marcia Farnham	1921 Ag	Madison, N. J.
Schermerhorn, Mary Cornelia	1921 A	Penfield
Schimmel, Raymond Thomas	1923 Ag	Port Chester
Schindler, Theresa Elizabeth, B.A., M.S.	Grad	Gloversville
Schintzuis, William Charles	1923 A	Buffalo
Schively, Donald Roots	1922 L	Ithaca
Schlatter, Fidel Paul, B.S.	Grad	Tunkhannock, Pa.
Schlichter, William Robert	1922 A	Yonkers
Schliessel, Morris	1922 A (Chem)	Arverne
Schlobohm, Elsa Carolyn	1921 A	Yonkers
Schlobohm, Frederick John	1923 C	Yonkers
Schlossbery, Julia	1921 A	Brooklyn
Schmauss, Carl John	1923 C	Buffalo
Schmeck, Harold Marshall	1921 Ag	LaSalle
Schmidt, August, jr., M.E.	Grad	Ithaca
Schmidt, Francis Joseph	1922 L	Auburn
Schmidt, Margaret Veronica	1922 C	New York City
Schmidt, Robert Leo	1923 C	Brooklyn
Schmidt, Walter Schoellkopf	1921 A	Buffalo
Schmidt, William Stouffer	1920 M	Bellefonte, Pa.
Schmitz, Robert Morell	1923 A (Chem)	University City, Mo.
Schnatz, Frederick Theodore	1922 A	Brooklyn
Schnee, Vernon Higgs	1920 A (Chem)	Cleveland, Ohio
Schneider, Jerome George	1921 A (Chem)	New York City
Schnell, Harry Julius, jr.	1922 A (Chem)	South Orange, N. J.
Schoepflin, Frederick Foeller	1922 A	Buffalo
Schofield, Hayden Luther	1922 Ag	Brooklyn
Schoof, Marion Clara	1923 A	New York City
Schradieck, Henry Edward, B.S., M.S.	Grad	Ithaca
Schrinkel, Rupert Albert, A.B.	1922 MD (N.Y.C.)	Buffalo
Schraubstader, Carl	1923 A	New York City
Schreiner, Frederick Otto	1922 C	Johnsonburg, Pa.
Schreiner, Ida Helen	1923 A	Pittsburgh, Pa.
Schreyer, William Augustus	1923 A	Milton, Pa.
Schroeder, Henry Joseph, jr., B.S.	Grad	Saugerties
Schroeder, Lloyd Herman	1920 Ag	New York City
Schroeter, Robert Huber	1920 C	Marion, Ohio
Schultheis, Henry	1922 Ag	College Point
Schultheis, Roland	1924 Ag	College Point
Schultz, Harold Lawton	1921 A (Chem)	Ridgway, Pa.
Schultz, Peter Alfonso	1920 A	Buffalo
Schultz, Robert William Valentine	1923 A (Chem)	Coney Island
Schulz, Eric Theodore	1920 A (Chem)	Wilkes-Barre, Pa.
Schumann, Dorothy Emma	1922 Ag	Brooklyn
Schurgot, James Adam, M.D.	Sp MD (N.Y.C.)	Watkins, Pa.
Schurman, Barbara Rose	1921 A	Ithaca
Schusler, Carl Herbert	1923 M	Pittsburgh, Pa.
Schustek, Irving Allan	1920 A	New York City
Schuster, Eleanor	1923 A	Wilmington, N. C.
Schutt, Wilfred Seymour	1924 M	Jordan
Schuyler, Louise Alma	1920 Ag	Syracuse
Schwabe, Esther Miriam	1923 A	New York City
Schwamm, George, jr.	1921 V	New York City
Schwarte, Louis Harold, B.S.	Grad	Saratoga Springs
Schwartz, Irving, B.S.	1921 MD (N.Y.C.)	New York City
Schwartz, Israel	1923 Ag	Brooklyn
Schwartz, John Eric	1922 Ag	Hamilton, Ohio
Schwartz, John Rupley	1920 L	Poughkeepsie
Schwartz, Samuel	1921 Ag	Brooklyn
Schwartzreich, Sol.	1920 M	Brooklyn
Schweitzer, Gretchen	1921 A	Brooklyn
Schweitzer, Thomas Robert	1920 Ag	Brooklyn
Scofield, James Harry	1921 M	Ithaca
Scott, Anna Louise	1923 A	Plattsburg
Scott, Burton Alcott	1923 C	Johnson City
Scott, Chester Brundrett	1924 M	Cleveland, Ohio
Scott, Douglas McKain, A.B.	Grad	Warren, Pa.
Scott, Earle Nims	1923 C	Johnson City
Scott, Edith	1922 MD (N.Y.C.)	Englewood, N. J.
Scott, Irvin Leslie	1922 A	West Provo, Utah

Scott, Merit	1920 A	Glens Falls
Scott, Owen Wallace	1922 C	Johnson City
Scott, Sarah Elizabeth	1922 A	Syracuse
Scott, Stuart George	1922 Ag	Ithaca
Scott, Walter Lee	1920 A	Franklin, Pa.
Scruggs, Edward DeLeon	1923 C	Brewton, Ala.
Scureman, Harry Wilt	1921 A (Chem)	Kingston, Pa.
Seagar, Lydia Amanda	1920 A	South Orange, N. J.
Seager, Paul Sylvester	1921 A	South Orange, N. J.
Seale, Frank Bell	1921 Ag	Benchley, Texas
Seaman, Mercedes Margaret	1923 Ag	Ithaca
Seaman, Van Brunt	1920 C	Albany
Searles, Elwood Fay	1923 M	Auburn
Searles, Sarah Naomi	1921 A	Cedarhurst
Seasongood, Lewis, 2d	1923 A (Chem)	Cincinnati, Ohio
Seebach, Lester Warren	1923 Ag	Harpster, Ohio
Seep, Joseph, 2d	1922 M	Oil City, Pa.
Seguin, Maria	1923 Ag	New York City
Segur, Ivan Burdette	1924 M	Canton, Pa.
Seidmann, Alexander	1922 A	New York City
Seifreat, Edgar John	1921 M	Dayton, Ohio
Sein, Francisco Cebollero	1920 Ag	Lares, P. R.
Sein, Rita Juana	Sp Ag	Chattanooga, Tenn.
Seiters, George Zeboim	1923 M	Fukushima, Japan
Sekine, Zenzaburo	1923 M	Harrison
Selee, Richardson	1921 C	Brooklyn
Seley, Samson Abraham, A.B.	1921 MD (N.Y.C.)	Keyport, N. J.
Seligman, Anne May, A.B.	1920 MD (N.Y.C.)	Buffalo
Seligmann, Edward Baker	1922 A	Watertown
Senecal, John Byron	1923 M	Toledo, Ohio
Seney, Henry William, 2d	1922 A	Mayaguez, P. R.
Servera y Travieso, Joaquin	1922 L	Brooklyn
Sessom, Alexander Hamilton	1923 Ag	Wheeling, W. Va.
Severinghaus, Leslie Richard	1921 A	Ridgewood, N. J.
Seybolt, Mary Lucille	1922 A	New York City
Seyd, August Frederick	1923 A (Chem)	Paris, France
Seydoux, Daniel Roger	1923 M	Rochester
Seyfried, Francis Charles	1922 Ag	New York City
Seymour, Ruth	Sp Ar	Brockport
Shafer, Leland Twitchell	1921 A	New York City
Shafran, Eugenia, A.B.	1920 Ag	Fort Wayne, Ind.
Shambaugh, Howard Miller	1922 A	New York City
Shaner, Bernard King	1921 M	New York City
Shaner, John Dalzell	1922 L	Ensenada, P. R.
Shanklin, Dunbar Lancaster	1923 A (Chem)	Ensenada, P. R.
Shanklin, George Robert	1922 C	Ithaca
Shanklin, William, jr.	1924 C	Seattle, Wash.
Shannon, Florence William, J.M.D.	Sp MD (N.Y.C.)	Washington, D. C.
Shannon, Raymond Corbett	1922 Ag	Ithaca
Shannon, William Assad	1922 A	Brooklyn
Shapiro, Caspar V.	1921 A (Chem)	New York City
Shapiro, Israel	1921 Ag	Greenwich
Sharp, Dorothy Mary	1923 A	Lockport
Sharp, Russel Howland	1923 M	Ithaca
Sharpe, Grace Lenore	1923 Ag	Ithaca
Sharpe, Harold Kenyon	1923 M	Port Richmond
Sharrett, Helen Miriam	1920 A	Cedarhurst
Shaskan, Gertrude Atkins	1923 A	New Freedom, Pa.
Shaub, Benjamin Martin	1923 M	Philmont
Shaver, Edwin Roy	1921 A	McKeesport, Pa.
Shaw, John Alvah	1923 M	Cambridge, Mass.
Shaw, John Balcom, jr.	1921 A	Detroit, Mich.
Shaw, John Thomas	1923 A	Wheaton, Ill.
Shaw, Joseph Phippin, jr.	1920 A, Grad	Denver, Colo.
Shaw, Kenneth Marshall	1921 A	Ravena
Shear, Elmer Vanderzee, jr.	1923 Ag	Glens Falls
Shedd, Laurence Eugene	1923 M	Buffalo
Sheldon, Carew	1923 M	Lowville
Sheldon, Martin Armstrong	1922 A	Minnewaukan, N. Dak.
Shellenberger, Rolfe, B.S.	1921 M	Owego
Shelton, Gertrude Mary	1920 A	Bridgeport, Conn.
Shelton, Robert Philo, B.A.	1923 MD (N.Y.C.)	New York City
Shemin, Ralph	1920 Ag	Shanghai, China
Shen, Tsi Hwei	1921 Ag	Reading, Pa.
Shenk, Frederic Rentschler	1922 Ag	Honeoye Falls
Shepard, Emily Eloise	1920 Ag	Bagdad, Fla.
Shepard, John David	1922 L	Honeoye Falls
Shepard, Leslie Mansfield	1921 Ag	Lincoln, Neb.
Shepherd, John Russell, BSc.	Grad	Greenock, Md.
Shepherd, Ralph	1922 C	

Shepherd, William Ditrey	1923 M	Kristiania, Norway
Shephert, Ralph	1922 C	Greenock, Md.
Sher, Nathan, B.S.	1923 MD (N.Y.C.)	New York City
Sherburne, Arthur John, B.Chem.	Grad	Schenectady
Sheridan, John Edward	1920 L	Penn Yan
Sherk, Earl Jacob	1921 C	Harrisburg, Pa.
Sherk, Mildred Ethel	1922 A	Buffalo
Sherk, Paul Farmer	1923 A (Chem)	Reading, Pa.
Sherman, Horace Arthur	1920 A Grad	Livonia
Sherman, Howard Relyea, jr.	1922 M	Montclair, N. J.
Sherman, Irving Harold	1922 A	New York City
Sherman, Kenneth Ralph	1922 M	Sag Harbor
Sherrill, Walter Paul	1923 A	Hempstead
Sherwood, Coleman Hobart	1920 Ar	Yonkers
Sherwood, Glenn	1922 A	Ithaca
Sherwood, Harold Tallman	1924 M	Spring Valley
Sherwood, Warren George	1923 A	Lloyd
Shevalier, Marion Kathryn	1920 Ag	Ithaca
Shiebler, Carl Henson	1923 Ag	Brooklyn
Shields, Nancy	1923 Ag	Staten Island
Shiffer, Joseph	1923 MD (N.Y.C.)	Brooklyn
Shineman, Howard George	1923 A (Chem)	Canajoharie
Shipman, William Henry	1922 M	Millport
Shirey, Lacy Lambert, B.S.	1920 C	Union, W. Va.
Shiverick, Francis Tobey	1920 A	Chicago, Ill.
Shoemaker, Amalia Immel	1922 A	Philadelphia, Pa.
Short, Harold Armstrong	1922 Ar	Baltimore, Md.
Shoulders, Harrison, H., M.D.	Sp MD (N.Y.C.)	Nashville, Tenn.
Showalter, Myrtle Marie	1923 A	Holidaysburg, Pa.
Shrewsbury, Marion Florence	1922 A	Callicoon
Shuler, John David	Sp A	Davenport, Iowa
Shultis, Marshall Grant	1922 Ag	Oneonta
Shults, Erna Rose	1921 A	Cohocton
Shultz, Searies Gregory	1921 L	Skaneateles
Shumway, Harold Lester	1921 M	Endicott
Sibbert, Edward Frederick, jr	Sp Ar	Brooklyn
Sibert, Willard Wilson	1922 M	Pittsburgh, Pa.
Sibley, Charles Kerr	Grad	Kingston
Sickels, Dorothy	1923 A	West Nyack
Sickmund, William Albert, jr.	1923 M	Torrington, Conn.
Sidman, Irving Nathan	1921 A	Brooklyn
Sidway, James	1922 M	Syracuse
Siebert, Ralph Dickson	1923 M	Pittsburgh, Pa.
Siegel, Louis Carl	1920 Ag	Brooklyn
Siering, Robert LeRoy	1921 Ar	New York City
Sievers, Albert William	1922 A	Hyde Park
Sievert, Muriel Edna	1923 A	Los Angeles, Cal.
Sigler, John Bernard	1922 M	Ithaca
Signer, Dorothy	1923 A	New York City
Signor, Elizabeth Arnold	1920 A	Plattsburg
Silber, Samuel, B.S.	1923 MD (N.Y.C.)	Brooklyn
Silbert, Doris	1922 A	New York City
Silbert, Doris	1923 A	Buffalo
Silsbee, Margaret Read	1923 A	San Antonio, Texas
Silvers, Lewis Julian, B.S.	1921 MD (N.Y.C.)	New York City
Sim, Lowne Hollard	1923 M	Pretoria, South Africa
Simmen, George Pestalozzi	1921 M	Washington, Pa.
Simmons, Aaron	1920 L	New Rochelle
Simmons, Charles William	1922 M	Watertown
Simon, Dora Ruth	1924 Ag	South Dayton
Simon, Israel Willard	1920 A	Newark, N. J.
Simon, Sarah Fanny	1923 A	New York City
Simonds, John Francis	1922 A (Chem)	Brooklyn
Simonds, Walter Wesley	1921 Ag	Rochester
Simons, Mayrant	1921 M	Summersville, S. C.
Simonson, Wilbur Herbert	1921 Ag	Lynbrook
Simpson, Arthur Winfield	1920 C	New York City
Simpson, Edith Maude	1920 A	Brooklyn
Simpson, Ethel Drever	1923 A	Ithaca
Simpson, Harold Eugene	1921 L	New York Mills
Simpson, Sutherland Eric Rognvald	1921 A	Ithaca
Simpson, Tom Neal	1921 Ag	Dyersburg, Tenn.
Sims, Doris Mabel	1922 A	Sodus
Sines, Bernard Sterling	1922 C	Washington, D. C.
Singer, Alexander	1922 M	New York City
Singleton, David Phelps	1922 M	Columbus, Ohio
Singleton, John Hawkins	1923 A	St. Louis, Mo.
Sisson, George Wing, 3d	1922 A	Potsdam
Skeelee, Charles Winslow	1923 Ag	Apulia Station
Skinner, William Oscar	1922 Ag	Greenwich

Sklaroff, Isabel	1924 A	Philadelphia, Pa.
Slade, Florence	1922 A	Mexico City, Mexico
Slade, James Jeremiah	1922 A	Mexico City, Mexico
Slade, Leila Rita	1922 A	Mexico City, Mexico
Slate, Joseph	1923 Ag	Oriskany Falls
Slater, Carolyn Penelope	Sp Ag	Ithaca
Slater, Katharine	1923 Ag	Ithaca
Slater, Otis John	1924 V	Binghamton
Slughter, William Howard, M.D.	Sp MD (N.Y.C.)	Ellis Island
Sleicher, Paul	1922 A (Chem)	Albany
Sleichter, Harry	1920 A	Kansas City, Mo.
Slingerland, Kathryn Lillis, B.A., M.A.	Grad	Manchester, N. H.
Sloan, De Vries	1923 V	Dunkirk
Sloan, Robert James, jr.	1924 M	Syracuse
Slockbower, Ralph	1923 M	Clinton, N. J.
Slonaker, Paul Newton	1923 M	Leechburg, Pa.
Slottman, Edythe Virginia	1923 A	Brooklyn
Sly, Leslie Ward	1922 M	East Aurora
Smeallie, Henry Wallace	1922 A	Amsterdam
Smeaton, Hugh Weir, jr.	1923 Ag	Rochester Mills, Pa.
Smiley, Edwina Maria, B.A., A.M.	Grad	Mansfield, Mass.
Smiley, Frederic Stratton	1924 Ag	Clarksburg, W. Va.
Smit, Bernard	1921 Ag	Winburg, South Africa
Smith, Ainsworth Lockhart, A.B.	1922 MD (N.Y.C.)	Brooklyn
Smith, Alfred Edwin	1923 M	Burdett
Smith, Alexander Wesley	1921 A	Shelter Island Heights
Smith, Alger James	1920 C	Corning
Smith, Alice Louise	1920 A	Cornwallville
Smith, Alise Welthy	1921 Ag	Groton
Smith, Beauchamp Elmer	1923 M	York, Pa.
Smith, Carl Henry, B.A.	1922 MD (N.Y.C.)	New York City
Smith, Cerelle Winifred	Sp Ag	Buffalo
Smith, Chester Bangs	1921 L	Buffalo
Smith, Dana Conrad	1920 L	Minneapolis, Minn.
Smith, Darwin Covert	1922 Ag	Lodi
Smith, Earl D.	1920 V	Cortland
Smith, Edith Louise	1923 A	Lakewood, Ohio
Smith, Edwin Louis	1923 M	Elyria, Ohio
Smith, Elliott William	1923 L	Poughkeepsie
Smith, Ernest Rice, A.B.	Grad	Ithaca
Smith, Eugene Russell	1921 Ag	Monroe
Smith, Everdell Gillespie	Sp Ag	Brooklyn
Smith, Ewald John Joseph	1921 L	Jersey City, N. J.
Smith, Fred August	1923 Ag	Brooklyn
Smith, Fred Manning	Grad	Charleston, W. Va.
Smith, George Hubert	1920 Ar	Ithaca
Smith, George Hume, A.B., A.M.	Grad	Ithaca
Smith, Grace Hilda	1921 Ag	Ballston Spa
Smith, Harold Kramer	1922 L	Jersey City, N. J.
Smith, Harriet Alison	1921 Ag	Lake View
Smith, Harriette Genevieve	1923 A	Warsaw
Smith, Harry Hargreaves	1923 A	Newton, N. J.
Smith, Helen Davis	1922 Ag	Binghamton
Smith, Helen Delavan	1923 A	White Plains
Smith, Henry Clay	1920 Ag	Syracuse
Smith, Henry Richey, A.B.	Grad	Houghton
Smith, Howard Hazleton	1923 Ag	Washington, D. C.
Smith, Hulet Pieper	1922 A	Minneapolis, Minn.
Smith, Irving Carlton	1920 A	Brooklyn
Smith, Jacob, B.S.	1920 MD (N.Y.C.)	New York City
Smith, John Harrison	1923 C	Ithaca
Smith, John Lampman	1922 Ag	Craryville
Smith, John William	1922 C	New Hartford
Smith, Joseph Atlan, jr.	1924 M	Niagara Falls
Smith, Joseph Edward	1920 C	Durham, N. C.
Smith, Lawrence Randolph	1920 M	Cincinnati, Ohio
Smith, Lawrence Victor	1920 A	Toledo, Ohio
Smith, Lois Burnett	Sp Ag	Houghton
Smith, Louis Edward	1920 Ag	Livingston Manor
Smith, Luella Helen	1922 A	Gloversville
Smith, McNeir	1920 M	Washington, D. C.
Smith, Malcolm Ernest	1923 Ag	Rochester
Smith, Margaret Ethelwyn	1922 A	Nyack
Smith, Marion Dunham	1920 A	Greene
Smith, Mary Eloise	1922 A	Rochester
Smith, Mary Hipwood	1923 A	Watervliet
Smith, Maurice Frank	1920 M	Rome
Smith, Milton, jr.	1921 A	Denver, Colo.
Smith, Myron	Sp Ag	Kerhonkson
Smith, Nicolas Shaw	1923 Ag	Geneseo

Smith, Philip Rudolph Botha	1923 V	Ficksburg, South Africa
Smith, Ralph Harry	1921 A	Pittsburgh, Pa.
Smith, Robert Francis	1923 V	Ludlowville
Smith, Robert Hooper, B.A.	1923 MD (N.Y.C.)	Baltimore, Md.
Smith, Ronald Gervais	1922 Ar	Chester, W. Va.
Smith, Russell James, M.D.	Sp MD (N.Y.C.)	New York City
Smith, R. Wallace	1920 Ag	Ithaca
Smith, Seward Marcus	1923 A	Wilkes-Barre, Pa.
Smith, Theodora Florence	1923 Ag	Ithaca
Smith, Walker	1920 Ag	Minneapolis, Minn.
Smith, Walter Fox, A.B.	1921 MD (N.Y.C.)	Watertown
Smith, Wilfred Frank	1923 Ag	Livingston Manor
Smith, Willard Lapham	1921 Ag	Buffalo
Smoley, Alex Robert	1920 Ag	Scranton, Pa.
Smook, Joseph Murray	1920 C	New York City
Smulovitz, Heine	1922 MD (N.Y.C.)	New York City
Smythe, Donald DeCou, B.S.	Grad	Ithaca
Snedeker, Alfred William	1921 A	Staten Island
Snibbe, George William, jr.	1922 A (Chem)	Catonsville, Md.
Sniffen, Josephine Augusta	1921 A	White Plains
Snitzer, Henry Morris, M.D.	Sp MD (N.Y.C.)	Pittsburgh, Pa.
Snodgrass, Elisabeth King	1921 A	Chicago, Ill.
Snow, Howard Bartley	1922 M	Yonkers
Snyder, Baird	1923 A	Pottsville, Pa.
Snyder, Bernard Clark	Sp Ag	Ithaca
Snyder, Mary Elizabeth	1923 A (Chem)	Ithaca
Snyder, Norman	1921 A	Ithaca
Snyder, Verdie Elizabeth	1920 A	Salisbury, N. C.
Snyder, Victor Joseph	1922 M	Harrisburg, Pa.
Sobol, Bernard	1921 A	New York City
Sohon, Irma Marsteller	1923 A	New York City
Solberg, Louise, Ph.B.	Sp Ag	Kobbervik-Drammen, Norway
Solomon, Edward Lawrence	1921 M	Beaver Falls, Pa.
Solomon, Kaspert Leonard	1923 M	Rochester
Solomon, Reginald	1922 A	New York City
Solomon, Samuel Joseph	1920 A	New York City
Solovay, Benjamin, A.B.	1920 L	Brooklyn
Solovay, Hyman	1922 A	Brooklyn
Solovay, Jacob	1922 A	Brooklyn
Sommer, Abram Ellison	1922 A	Bayonne, N. J.
Sommerville, James Harris	1922 A	Canajoharie
Sonn, Edith	1923 A	Jamaica
Soper, Harold Grant	1922 Ag	Seneca Castle
Sorokin, Marcus	1920 C	Rostoff-Don, Russia
Sotomayor, Alfonso	1923 Ag	Cordoba, Spain
Souter, Charles Edward	1920 A	Whitehall
Souter, Martha Chandley	1921 A	Whitehall
Southard, Townsend Franklin	1923 M	Ocean Side
Southee, Ethelbert Ambrook, M.A., B.Sc.	Grad	Rockdale, New South Wales, Australia
Souza, Moacyr Alves de, M.V.	Grad	Minas, Brazil, S. A.
Sovocool, Stanley Morell	1922 M	Addison
Spader, George Almond	1920 Ag	Watkins
Spahn, Herman Frederick	1923 A (Chem)	Pleasantville
Spahn, Otto Joseph, jr.	1922 A (Chem)	Pleasantville
Spahr, Mary Burchard, B.A.	1922 MD (N.Y.C.)	New York City
Spangberg, Leonard Victor	1922 M	Tarrytown
Sparks, Norman Robert	1923 M	Ithaca
Spaulding, John Sylvester	1921 A	New Rochelle
Speakman, Willard Allen, jr.	1923 M	New York City
Speer, Franklin Raub	1921 M	Wilmington, Del.
Speer, Sara Elizabeth	1921 Ag	Washington, D. C.
Speiden, Katherine Douglas, B.A.	1921 MD (N.Y.C.)	Washington, D. C.
Spence, Stockbridge Cable	1923 A	Summit, N. J.
Spencer, Adrian Lamoreaux	1921 L	Newton, Mass.
Spencer, Elmer George	1921 Ag	Union Springs
Spencer, Jane Phillips	1921 Ag	Vergennes, Vt.
Spencer, Roy Clarence	1922 A	Lisle
Spencer, Stanley Loomis	1924 M	Pennellville
Sperry, Warren Myron	1921 A (Chem)	Short Hills, N. J.
Spicer, Hobart McKinley	1920 M	Lincoln Park
Spiers, Herbert	1922 M	Norwich
Spies, Lisette Dorothy	1922 A	Brooklyn
Spindler, Norman John	1921 M	Cleveland, Ohio
Spitzer, Abraham Lewis	1920 A	Olean
Spitzer, Isadore	1924 Ar	Perth Amboy, N. J.
Spivak, William	1920 C	Perth Amboy, N. J.
Spock, Leslie Erskine	1923 A	Brooklyn
Sprague, Geraldine Esther	1920 A	Babylon
Sprague, Robert Todd	1923 A	Memphis, Tenn.
		New Berlin

Sprague, Thomas Oxnard, B.S.	Grad	Menlo Park, Cal.
Springer, Paul Kenneth Webster	1923 Ag	Genoa
Sprong, Whyland DeLos	1921 Ag	Sodus
Sprows, Harlan Alexander	1923 M	Elgin, Ill.
Spurny, Felix Emil	1923 C	Long Island City
Spurr, John Constantine	1923 M	Washington, D. C.
Squirer, Bertrand Winttingham	Sp Ag	Maplewood, N. J.
Squires, Andrew Mouhot	1922 M	Greenport
Srenco, Grace Elizabeth	1920 A	Rochester
Stacy, George Springer	Sp Ar	Toledo, Ohio
Stacy, Helen Emily	1920 A	St. Regis Falls
Stacy, Stanley Consider	1920 M	Detroit, Mich.
Stahl, Charles, B.A.	1922 MD (N.Y.C.)	Albany
Stainton, Robert Sheldon	1922 M	Buffalo
Stainton, Walter Hutchinson	1920 A	Utica
Stalker, John Howard	1920 C	Montclair, N. J.
Stanbro, Marie Adelaide	1921 Ag	Springville
Standish, Gerald	1921 M	New York City
Staneslow, John Stanislovaitis	1922 A	Binghamton
Stangos, Constantine N., B.S., B.S.M.E.	Grad	Constantinople, Turkey
Stankiewicz, Helen	1921 A	Buffalo
Stanley, Ada Kenyon	1923 A	Buffalo
Stanley, James Schwyn	1921 A	Indianapolis, Ind.
Stansky, Hyman	1920 A	Brooklyn
Stanton, Charles Raymond	1923 A	Freeville
Stanton, George Harold	1920 Ag	Montclair, N. J.
Stanton, Nathaniel Brown, A.B.	1920 MD (N.Y.C.)	Bath
Stanton, Stephen Trembly	1923 Ag	Cohocton
Starbuck, George Taylor	1923 A (Chem)	Glen Falls
Stark, Jesse David	1921 A	Brooklyn
Starkins, Franklin Edward	1923 Ag	Ithaca
Starks, Donald Hand	1922 A	Chatham
Starr, Raymond Terry	1921 M	New York City
Stasch, Dorothy	1921 A	Corning
Stasch, Emil Robert, 3d	1922 A (Chem)	Corning
Staub, Percival Hoag	1921 A (Chem)	Wellsville, Pa.
Stauffer, George Maurice	1920 Ag	Elizabeth, N. J.
Stave, Frank	1922 L	Paterson, N. J.
Steadman, Ferdinande	1922 A	Yonkers
Steczynski, Myron Edward	1922 M	Cambridge Springs, Pa.
Steel, Ernest William	1920 C	Philadelphia, Pa.
Steel, Robert Wenzing	1921 A	Lansdowne, Pa.
Steele, Irving Williams	1923 M	Fairport
Steele, Mabel Frances	1923 A	Waverly
Steffens, Frederick Robinson	1920 Ar	Washington, D. C.
Stein, David	1923 M	New York City
Steiner, Sydney Kendall	1921 A (Chem)	New York City
Steiner, Violet Catherine	1921 A	Brooklyn
Steinmann, Milton Bode	1921 Ar	Rochester
Steinmetz, Richard Bird	1922 M	Brooklyn
Stempfle, William Seacord	1920 Ag	Elmira
Stentiford, Clara Harriet	1920 A	Ossining
Stephens, John James, 2d	1923 M	Brooklyn
Stephenson, Hadley Carruthers	1920 V	Ogdensburg
Sterling, Joseph	1922 Ag	Oyster Bay
Stern, Jeno John	1921 C	New York City
Sternbach, Jacob Joel	1920 C	New York City
Stevens, Donald Raymond	1920 A (Chem)	Gary, Ind.
Stevens, Earl Knight	1923 M	Newport, R. I.
Stevens, Edward	1923 Ag	Newport, R. I.
Stevens, Helen Louise	1923 A	Kerrmoor, Pa.
Stevens, Laurence Edwin	1921 A	El Paso, Texas
Stevens, Paul Clifton	1923 M	Muskegon, Mich.
Stevens, Richard, 2d	1923 M	Philadelphia, Pa.
Stevens, Robert William	1920 Ar	Huntington, Ind.
Stevens, Ruth Gertrude	1922 Ag	Geneva
Stevens, Trystram Cockey	1922 Ag	Baltimore, Md.
Stevenson, Charles Robert, B.S.	Grad	Ithaca
Stevenson, Dorothy Jean	1922 Ag	Buffalo
Stevenson, Howard Arthur	1920 Ag	Interlaken
Stevenson, James Rick, jr.	1922 A	Hobart
Stevenson, Warren Allen	1921 M	Nelsonville
Stewart, Dorothy LeComte	1921 A	New York City
Stewart, Douglas	1922 L	Plainfield, N. J.
Stewart, Fred Waldorf, A.B., Ph.D.	1923 MD	Binghamton
Stewart, Harland Hubbard	1920 M	Geneva
Stewart, Kenneth Max	1920 A	Brasher Falls
Stewart, Newell Coe	1922 M	Buffalo
Stewart, Ralph Walton	1923 Ag	Geneva
Stewart, Robert George, B.S.	1921 MD (N.Y.C.)	Jersey City, N. J.

Stewart, William Hebburn	1923 M	Williamsport, Pa.
Stichter, Ralph Benjamin, jr.	1924 M	Dallas, Texa s
Stiles, Henry Thayer	1922 A	Warren, Ohio
Stillwell, Abby Lorinda	1923 Ag	Ithaca
Stillwell, Charles William	1922 A (Chem)	Ithaca
Stiner, Cecil Ewing	1923 C	Moylan, Pa.
Stobbs, William Malcolm, A.B.	1921 MD (N.Y.C.)	Ithaca
Stockett, John Wesley	1920 A (Chem)	Washington, D. C.
Stockheim, Abraham Julius	1921 Ag	New York City
Stoddard, Harvey Charles	1923 M	St. Louis, Mo.
Stokoe, Edith Elizabeth	1921 A	Scottsville
Stone, Albert James, jr.	1923 Ag	Englewood, N. J.
Stone, Charles Van Valkenburgh	1923 M	Utica
Stone, Elmore Becker	1920 Ag	Dolgeville
Stone, George, M.E.	1920 A	Edgemore, Del.
Stone, George, Haeberle	1922 MD (N.Y.C.)	Niagara Falls
Stone, Jane	1921 Ag	Syracuse
Stone, John Raymond	1923 M	Ithaca
Stone, Maysie	1922 A	Rochester
Storey, Margaret Hamilton	1922 A	New York City
Stotz, Charles Morse	1921 Ar	Crafton Station, Pa.
Stotz, William Forrester	1922 A (Chem)	Crafton, Pa.
Stoughton, Dwight Harold, M.C., C.M.	Sp MD (N.Y.C.)	Mount Vernon
Stoughton, Wilford Francis	1921 Ag	Newark Valley
Stowell, William Curtis	1923 A	New York City
Strack, Ernest Victor	1922 M	Spring Valley
Strahan, Henry Clark	1922 M	Wappingers Falls
Stratford, Franklyn Frederic	1922 M	Jersey City, N. J.
Strathman, Harold William	1924 A	Rochester
Stratton, Lewis Hubert	1922 Ag	Oxford
Stratton, Lucinda	Sp Ag	Trumansburg
Stratton, Mildred Elizabeth, B.A.	Grad	Bradford, Pa.
Straus, Henry Homer	1920 A	Chicago, Ill.
Strauss, David	1922 V	Albany
Strauss, John Noble	1921 M	Yonkers
Strauss, Sadye Gladys	1922 A	Denver, Colo.
Street, George William, 2d	1923 A	Madison, N. J.
Street, Lillian Frances, B.A.	Grad	Claremont, Cal.
Streit, Peter Louis	1923 M	Grand-View-on-Hudson
Strickler, Daniel Bursk	1922 L	Columbia, Pa.
Strong, Carol Georgiana	1920 A Grad	Turin
Strong, Howard Herkimer	1920 Ag	Sherman
Strong, Morgan Bond	1923 A	Schenectady
Strotz, Sidney Nicolas	1922 M	Winnetka, Ill.
Stroup, Nathan Weller	1923 M	Harrisburg, Pa.
Strumer, Julius	1921 Ag	New York City
Strunk, Catherine	1923 A	Ithaca
Stuart, Lyman Knight	1921 A (Chem)	Newark
Stubenrauch, Walter Herman	1921 A	West New York, N. J.
Stumpf, Richard Thomas	1923 C	Watertown
Stuntz, Jackson Sharp	1923 M	Havana, Cuba
Sturgeon, Myron Alfred	1922 M	Suffolk, Va.
Sturges, Herbert Arthur, A.B., A.M.	Grad	Ithaca
Sturrock, John	1920 V	Ithaca
Sturta, George Allen	1923 Ag	Rochester
Suarez y de la Portilla, Dionisio Fernando	1923 C	Sabalo, Cuba
Suender, Russell Light	1922 M	Frackville, Pa.
Suffin, Rosalie	1921 A	New York City
Suiter, Vaugh Douglas	1922 M	Shamokin, Pa.
Sullivan, Alice Helen, A.B., A.M.	Grad	Grand Junction, Colo.
Sullivan, Dorothy Fleming	1923 Ag	Buffalo
Sullivan, Edward Cornell, jr.	1923 M	Los Angeles, Cal.
Sullivan, George Dewey	1921 A	Mohawk
Sullivan, Michael Gerald	1921 C	Rochester
Sullivan, William Leo	1920 A (Chem)	Binghamton
Sumner, James Frederick	1922 Ag	Ann Arbor, Mich.
Sun, Kuo Feng, B.S., M.S.	Grad	Chang-tu. Fengtien, China
Sundstrom, Charles Alfred	1921 C	Middletown
Sutherland, William Wilkins	1923 C	St. Louis, Mo.
Sutton, Francis Marvin, jr.	1921 A	Brooklyn
Sutton, Harry William	1921 V	Sidney Centre
Sutton, Henry Bruner, A.B.	1921 MD (N.Y.C.)	Albion
Sutton, John Edward, jr., A.B.	1920 MD (N.Y.C.)	Albion
Swan, Verne Sturges	1921 Ar	Sherburne
Swanson, Ralph Edwin	1921 Ag	Dunkirk
Swanson, Sigurd Benedict	1921 M	Bridgeport, Conn.
Swartwout, John Wyckoff	1923 M	Willard
Swartwout, Richard Arthur	1923 M	Clinton
Swayze, Esther	1922 A	Auburn
Sweeney, Charles Lester	1923 M	Clayville

Sweeney, Charles Thomas	1921 Ag	Rexville
Sweeney, Emmett Thomas	1920 A	Long Island City
Sweeny, Samuel Chadwick, B.S.	Grad	Hartsdale
Sweet, Elsie Marie	1922 Ag	Hilton
Sweet, George Clinton, jr.	1920 Ag	Buffalo
Swenson, Agda Teoline	1920 A	Summit, N. J.
Swezey, Fenton Hendy	1921 A (Chem)	Lockport
Swezey, George Eugene	1923 A	Lockport
Swift, Freeman Robert	1921 Ag	Mount Vernon
Swirbul, Leon	1921 M	Islip
Swisher, Madeleine	1922 A	Oil City, Pa.
Szymoniak, Thaddeus	1920 Ag	Buffalo
Tabachnek, Mendel	1922 M	Albany
Taber, Leslie Ray, Ph.B.	1923 MD (N.Y.C.)	Auburn
Takaki, Sadaji, A.B.	Grad	Osaka, Japan
Talbot, Frances Williams	1923 A	Brooklyn
Talbot, James, B.S.	Grad	Sterling, Ill.
Taliaferro, Donald Francis	1922 M	Topeka, Kansas
Tallman, Nellie Grace	1920 A	Mount Morris
Talmage, Nathaniel Allen	1922 Ag	Riverhead
deTamble, Paul Allen, B.S.	Grad	Newburgh
Tan, Shao Fan	1920 A (Chem)	Shanghai, China
Tang, Cheng Long	1920 C	Chi Shii, Hupeh, China
Tanner, Martha Almira	1923 Ag	Ithaca
Tapf, Irene Augusta	1921 Ag	Ithaca
Tarbell, Louise	1921 A	Ithaca
Tarris, Venia Laota	1921 Ag	Ithaca
Tate, Logan Cloud	1922 A	Nashville, Tenn.
Tatum, Charles Robert, M.D.	Sp MD (N.Y.C.)	Orange, Va.
Taub, Joel	1920 A (Chem)	Newark, N. J.
Taylor, Alvin Verender	1923 C	Salt Lake City, Utah
Taylor, Bayard Eugene	1922 M	Oak Park, Ill.
Taylor, Clayton Charles, jr.	1920 Ag	Lawtons
Taylor, Donald Fay	1921 V	Albany
Taylor, Edward Winthrop	1921 M	Chicago, Ill.
Taylor, Franklin	1922 A (Chem)	Wilmington, Del.
Taylor, Henry Leavy	1920 M	Baltimore, Md.
Taylor, John Arthur, B.S.	1922 MD (N.Y.C.)	Schenectady
Taylor, John Lansing	1920 L	Owego
Taylor, Laurens Armstrong	1923 M	Geneva
Taylor, Lucy, A.B.	Grad	St. Louis, Mo.
Taylor, Merton Noye	1923 Ag	Holley
Taylor, Morris Peck	1923 A	Philadelphia, Pa.
Taylor, Reese Hale	1922 M	Los Angeles, Cal.
Taylor, Theodore Fred	1923 V	Morrisville
Taylor, Wilberforce	1920 A	Hubbard Woods, Ill.
Taylor, William Campbell	1923 M	Chicago, Ill.
Tbarguen, Henry Louis	1924 M	Guatemala City, C. A.
Teare, George William	1922 Ar	East Cleveland, Ohio
Teed, Ralph Herman	1921 M	Springfield, Mo.
Teeter, Lowell Homer	1920 L	Canton, Pa.
Teeter, Sidney Monroe, jr.	1920 A	New York City
Telfer, Thomas	1923 C	Boonton, N. J.
Temple, Heber Holbrook	1923 C	Pittsburgh, Pa.
Temple, Olive Myrtle	1922 A	Gouverneur
Ten Broeck, Jacob Wessel	1923 Ag	Hudson
Ten Eick, Charles Watson, B.S.	Grad	New York City
Tennant, John Leslie, B.S.A.	Grad	Summerside, P. E. Isl., Canada
Tennygold, Kopple	1920 M	Saratoga Springs
Ter Bush, Emery Boyce	1920 Ag	Greenfield
Teresewitz, Joe	1922 M	Wilkes-Barre, Pa.
Terrasse, Kathryn Elizabeth	1922 A	New York City
Terry, Whitelaw Todd	1920 A	St. Louis, Mo.
Terwilliger, Norbury	1923 A	Ellenville
Teschner, Edward Posner	1922 L	New Rochelle
Tetelman, Michael Martin, B.S.	1923 MD (N.Y.C.)	New York City
Tevoniani, Hagop Puzant	1922 C	Constantinople, Turkey
Tewksbury, Floyd La Verne	1923 M	Buffalo
Texidor, Antonio	1923 C	Guayama, P. R.
Texidor, Manuel Diaz	1923 M	Guayama, P. R.
Thakkur, Khimji Bhanji	1921 M	Bombay, India
Thalhimer, Ruth Inez	1923 A	Richmond, Va.
Thatcher, Clifford	1923 Ag	West Danby
Thatcher, Mary Etta	Sp Ag	Ithaca
Thearle, Ernest Lathrop	Sp M	San Diego, Cal.
Then, John William	1923 A	Ithaca
Thilly, Margaret	1921 A	Ithaca
Thomas, Albert Edward	1921 Ag	Corbettsville
Thomas, Alfred Randall	1923 M	Baltimore, Md.

Thomas, Alice Elizabeth	1921 A	Newark, N. J.
Thomas, Charles Kenneth	1921 A	Flushing
Thomas, Clara Ida	1921 Ag	Washington, D. C.
Thomas, Cora Belle	1920 A	Utica
Thomas, Frank Howard, jr	1921 A	Wilmington, Del.
Thomas, Harold Clyde	1920 Ag	Emporium, Pa.
Thomas, Jay Clyde	1922 M	Harvey, Ill.
Thomas, Joseph Albert	1920 C	Ithaca
Thomas, Maceo Augustine	1922 Ag	Baltimore, Md.
Thomas, Margaret Yeager	Sp A	Lebanon, Pa.
Thomas, Marjorie Anna	1920 A	Summit, N. J.
Thomas, Raymond Einnon	1921 A (Chem)	Yonkers
Thomas, Robert Mathias	1921 M	Joliet, Ill.
Thomas, Robert White	1920 A	Rochester
Thomas, William Raymond	1921 C	Washington, D. C.
Thomen, Paul Wadhams	1923 C	Litchfield, Conn.
Thompson, Edwin Groot	1923 A	Wycliffe, Ohio
Thompson, Frederick Howe	1922 L	Trumansburg
Thompson, Frederick William	1920 Ag	Ringoes, N. J.
Thompson, Howard Dresel	1922 M	Littleton, N. H.
Thompson, John Graham, B.Chem.	Grad	Eau Claire, Wis.
Thompson, Lawrence Dorland, B.S.	1922 MD (N.Y.C.)	River Edge, N. J.
Thompson, Neva Jeannette	1921 Ag	Candor
Thompson, Ralph Perrin	1921 Ag	Winter Haven, Fla.
Thompson, Robert Elwood	1923 Ag	Wallkill
Thompson, Robert William	1923 C	Corona
Thompson, Sidney Attilio, B.A.	Grad	Greenwich, Conn.
Thompson, Wells Nash, B.S.	1921 C	Adams, Mass.
Thompson, William Fenn Bigelow	1923 Ag	Springfield, Mass.
Thoms, Joseph Chak, jr.	1923 C	Brooklyn
Thomson, Alexander Bayard	1921 Ag	Buffalo
Thomson, Walter Dewitt, jr.	1920 Ag	Rutherford, N. J.
Thornburg, Scott	1922 L	Los Angeles, Cal.
Thorne, Ralph Weymouth	1923 A	Williamsport, Pa.
Thornhill, Sewell Edwards	1923 M	Sayville
Thornton, George Hilyard	1922 A	Wayne, Pa.
Thorp, Katharine, A.B.	Grad	West Roxbury, Mass.
Thrall, William North	1924 M	West Rutland, Vt.
Thrasher, Herbert Maxwell	1921 M	Norfolk, Va.
Thropp, May Ashmore	1920 A	Trenton, N. J.
Thurston, Ruth	1923 A	Washington, D. C.
Tibbits, Evelyn Grace	1923 A	Utica
Tibbits, Carl Herbert	1920 A	Ithaca
Tiffany, Earl Bristol	1922 Ag	Rochester
Till, Solomon, B.S.	1922 MD (N.Y.C.)	New York City
Tilley, Lloyd Henry	1921 M	Buffalo
Timm, Kenneth Baldwin	1923 A (Chem)	Yonkers
Ting, Zung Kün, B.S.	Grad	Kin-Shan, Kiang-su, China
Tingley, Edith	1922 Ag	Washington, D. C.
Tinio y Quijano, Mariano	1923 C	Cabantuan, Nuevo Ecija, P. I.
Tinker, Charles DeGolyer	1922 M	Sharon, Pa.
Tinkler, Louis	1921 A	Brooklyn
Titus, Buel Franklin	1923 M	Rochester
Titus, Edith Rose	Sp Ag	Glens Falls
Toadvine, Stephen Purnell	1922 A	Batavia
Tobey, Donald Mortimer	1923 M	Sherburne
Tobey, Edward Sprague	1920 Ag	New York City
Tobey, Herbert Dayton	1922 M	Walton
Tobey, Katherine Alice	1922 Ag	Ithaca
Tocantins, Leandro Maués	1923 A	Para, Brazil
Todd, Kenneth Russell	1922 M	Pittsburgh, Pa.
Togus, Leopold Theodore, A.B., M.D.	Sp MD (N.Y.C.)	Hooksett, N. H.
Tomic, Charles John	1921 L	Plymouth, Pa.
Tompkins, Stanley Armstrong	1920 Ag	Rochester
Tompkins, Wendell Dransfield	1921 M	Rochester
Toms, Allen Park	1923 M	Nyack
Tong, Reginald Beardsley	1924 A	Hollis
Tonkin, Maurice Bradley	1922 M	Washington, D. C.
Tonow, Paul Takuma, M.Agr.	Grad	New York City
Topham, Alfred, B.S.	Grad	Lawrence, Mass.
Topkins, Eva	1920 A, 1923 MD	Califon, N. J.
Topliffe, Carleton Veda	1923 M	Port Byron
Toplitt, Abraham	1922 A	New York City
Torbert, John Guy	1924 A	Ithaca
Torkelson, Eilet Martin	1923 M	Sioux Rapids, Iowa
Torrance, Charles Chapman	1922 M	Yonkers
Toshach, Clarence Eneas, M.D.	Sp MD (N.Y.C.)	New York City
Touhey, John Manning	1923 M	Sayre, Pa.
Toupin, Gustave, B.A., B.S.A.	Grad	St. Isidore de Laprairie, Que., Canada
Toussaint, Richard Philip	1920 M	New York City

Towart, James White	1923 M	Montour Falls
Townsend, Fanny Laney	1922 Ag	Elmira
Townsend, Homer Jelliff	1924 A	Greenfield
Townsend, Leslie Bower	1920 A	Ithaca
Townsend, Walter Barton	1921 A	Elmira
Towsley, Lee Iran	1922 Ag	Rochester
Trainer, David, jr.	1922 M	Calgary, Alberta, Canada
Trajkovich, Branislav	1924 Ag	Beograd, Yugoslavia
Trau, Frank Garland	1922 C	Waco, Texas
Travilla, James Coxey, jr.	1922 M	St. Louis, Mo.
Travis, Reed Pelton	1920 Ag	East Stroudsburg, Pa.
Trebing, Dorothea Grace	1923 A	New York City
Tremaine, Charles Alexander	Sp A	Bradford, Pa.
Treman, Allan Hosie	1921 A	Ithaca
Treman, Arthur Bott	1923 A	Ithaca
Tremlett, James Richard	1923 V	Edmeston
Trescher, John Henry	1921 A	Jeannette, Pa.
Tresselt, Frederick	1920 Ag	New York City
Trethaway, Charles Broad	1921 A	Wilkes-Barre, Pa.
Trethaway, John Harold	1923 A	Wilkes-Barre, Pa.
Trethaway, Joseph David	1920 M	Wilkes-Barre, Pa.
Trethaway, William, jr.	1922 M	Wilkes-Barre, Pa.
Triest, William Henry	1922 A	Tompkinsville
Trigg, Irene Kathryn	1922 A	Washington, D. C.
Tripp, Curtis Carver, A.B.	1921 MD (N.Y.C.)	Fairhaven, Mass.
Tripp, Violet Laura	1921 A	Glens Falls
Trostler, Herma Marie	1921 M	New York City
Trousdale, James Bashford	1922 A	Ithaca
Trousdale, Theodore McKee	1921 A	Ithaca
Trowbridge, Alexander Buel, jr.	1920 A	Flushing
Trowbridge, Basil Edwin	1923 Ag	Westfield, Pa.
Trowbridge, Sherman	1920 A	Flushing
Truluck, George Madison, B.S., M.D.	Sp MD (N.Y.C.)	Marion, S. C.
Truthan, Edwin Julius, B.Arc.	Grad	Cleveland, Ohio
Tubangui, Marcos Angeles, D.V.M.	Grad	Porac, Pampanga, P. I.
Tucker, Charles Ketchum	1922 Ag	Brooklyn
Tucker, William Bennett, B.S.	1923 M	Centreville, Md.
Tung, Shih, B.A.	Grad	Shanghai, China
Turk, John Wesley	Sp Ag	Bardwell, Ky
Turnbull, Curtis Hussey	1921 Ag	Pittsburgh, Pa.
Turnbull, Thomas, 3d	1920 A	Pittsburgh, Pa.
Turner, Frederic Tullis	1923 M	Oil City, Pa.
Turner, George William	1922 M	Pittsburgh, Pa.
Turner, Gerald Ambrose	1921 Ag	New York City
Turner, John Corydon	1922 V	Cassadaga
Turner, Llewellyn	1923 Ag	Schoharie
Turner, Louis Alexander	1920 A, Grad	Akron, Ohio
Turner, Max	1923 A	Brooklyn
Turner, Richard Harold	1922 M	Buffalo
Turon, Frank Joseph	1923 Ar	Pittston, Pa.
Turpin, Marie Madeline	Sp A	Boston, Mass.
Tuttle, Arthur Lemuel, jr.	1921 Ag	New York City
Tuttle, Austin	1924 M	Brooklyn
Tuttle, Charlotte Campbell	1920 Ar	Lincoln, Neb.
Tuttle, Elbert Parr	1920 A	Ithaca
Tuttle, Tracy	1921 A	King Ferry
Tutton, Gordon Nekreus	1923 M	Auburn
Twitchell, William Lee	1920 Ag	North Collins
Tyldesley, Thomas Broadbent	1923 C	Watertown
Tyler, Leland Corey	1920 Ag	Cohocton
Tyler, Walter Arnold	1920 M	Brooklyn
Tyndall, Edward Philip Theodore, B.A.	Grad	Richmond, Va.
Tyroler, Felix Raphael	1921 A (Chem)	Brooklyn
Ufer, Frances Helen	1920 A	Wauseon, Ohio
Uhl, Joseph Miller	1923 M	Logansport, Ind.
Ullman, David Louis, B.A.	1921 LLB	Buffalo
Ulman, Jennette	1920 A	New York City
Ulman, Sunshine, A.B.	1922 L	New York City
Ulrich, Francis Victor	1922 M	Baltimore, Md.
Ulrich, Rosalie	1921 L	New York City
Underwood, Bert Orland	1922 C	Summit, N. J.
Underwood, Francis Omar, B.S.	Grad	Ithaca
Underwood, Willard Lane	1923 C	Deposit
Undritz, Frederick Reinhold	1921 Ag	West New Brighton
Unzicker, Otto Forst	1923 A (Chem)	Chicago, Ill.
Updike, Furman Hamilton	1923 A	LaJunta, Colo.
Upstill, Edgar Daye	1921 M	Cleveland, Ohio
Upton, Glenn Edward, B.S.	Grad	Pulaski
Usher, Robert Reese	1921 Ag	Poolville

Ushioda, Seikichi	1923 M	Tokyo, Japan
Uttal, Joseph	1922 A (Chem)	New York City
Utterback, William Emil, A.B.	Grad	Huron, S. Dak.
Utz, Frederick, William	1923 M	Wilkes-Barre, Pa.
Vail, Juanita Fanny Elizabeth	1923 Ag	East Stroudsburg, Pa.
Vaill, Ruth Geneva	1923 A	Port Chester
Valentine, Henry Woodhouse, B.S.	Grad	Hartford, Conn.
Van Alstyne, Walter Kent	1921 A	Binghamton
Van Arsdale, Frances	1920 Ag	Alden
Van Atta, Clarence Fisher, M.D.	Sp MD (N.Y.C.)	Harlan, Iowa
Van Camp, Paul Milton	1920 C	Fine View
Van Campen, John Alden	1922 M	Elmira
Vance, Ledcreich Stuart	1922 M	Louisville, Ky.
Van de Boe, Louis Bristol	1920 Ag	Claverack
Vandervort, John, jr.	1923 Ag	Sidney Centre
Van Doren, Jesse T.	1920 Ag	Three Mile Bay
Van Etten, Charles Richard, jr.	1924 A (Chem)	Brooklyn
Van Hall, Carl John	1922 A	Sodus
Van Hoesen, Karl Duane	1923 A	Ithaca
Van Horn, Theodora Louise	1921 A	Towanda, Pa.
Van Houten, Willard Boolette, jr.	1924 A	Newark, N. J.
Van Keuren, Ernest Canfield	1920 A	Savona
Van Kirk, Ruth Stratton	1922 A	Newfield
Van Mater, James Bartholomew	1922 M	Atlantic Highlands, N. J.
Van Ness, Russell Terry	1923 M	Warwick
Vannote, Howard Ball, jr.	1922 M	Hasbrouck Heights, N. J.
Van Nuys, James Smith	1923 M	Somerville, N. J.
Van Pelt, William Herrmann	1922 C	Brooklyn
Van Scoter, Chester Jay	1923 M	Dunkirk
Van Sickle, Roswell Charles	1923 M	Buffalo
Van Sweringen, Raymond Adams	1920 M	Cleveland, Ohio
Van Valkenburg, Kenneth Hastings	1920 M	Richmond Hill
Van Valkenburg, Paul Iretus	1920 C	Richmond Hill
Van Valkenburgh, Joseph Dwight	1922 M	Greene
Van Volkenberg, Horatio L., B.S., D.V.M.	Grad	Springville
Van Wagenen, Loraine McNeill	1920 Ag	Lawyersville
Van Wagenen, Sarah Lamont	1920 Ag	Lawyersville
Van Winkle, Katherine E. Hilton, B.S.	Grad	Oakville, Wash.
Van Wirt, Alfred Earle	1923 A (Chem)	Glens Falls
Van Wyck, Prescott	1923 Ag	Summit, N. J.
Varley, James Richard	1920 V	Greenwich
Varona, Michael Chinchilla	1920 M	Havana, Cuba
Vaselius, G. Gustav E.	1923 V	New York City
Vass, John Isaac	1922 A	Blairstown N. J.
Vastola, Anthony Paul, M.D.	Sp MD (N.Y.C.)	Waterbury, Conn.
Vaughan, Frances Lemmon	1923 A	Hudson Falls
Vaughan, Henry Polk	1924 M	Montreal, Canada
Vaughan, Lawrence Moore	1923 Ag	Hudson Falls
Vaughan, Richard Wingfield, M.D.	Sp MD (N.Y.C.)	Richmond, Va.
Vaughan, Seymour Madison	1922 Ag	Hudson Falls
Vaughn, Aurelia Dodson	1923 A	Shelbyville, Ky.
Vea, Mathew Hjalmer, jr.	1922 M	Dover, Ohio
Vea, Mathew Rolf	1922 M	New Philadelphia, Ohio
Vedder Earl Charles, A.B.	1922 L	Ithaca
Vedder, Lansing S.	1921 Ag	Schenectady
Veghte, Edgar Maxwell	1923 Ag	Johnstown
Velsey, Raymond DeWitt	1923 M	Grantwood, N. J.
Venman, Ray Everett	1921 A	Frewsburg
Verbyla, Albert Edward	1922 A (Chem)	Danbury, Conn.
Vermilye, Sherwood	1921 M	Closter, N. J.
Vernick, Samuel William, B.S.	1923 MD (N.Y.C.)	New York City
Verwiebe, Alma Bertha	1922 A (Chem)	Buffalo
Verwiebe, Frank Louis	1920 M	Buffalo
Vessell, Harry, B.A.	1922 MD (N.Y.C.)	New York City
Vettel, Henry	1920 Ag	New York City
Viano, Eugene John	1920 A (Chem)	Lexington, Mass.
Vickers, Gates Sterling, B.S.	Grad	Deming, New Mexico
Vickers, Rhea Nichols	Sp Ag	Niagara Falls
Vieweg, Hermann Frederick	1921 A (Chem)	Elmira
Villamil, Fernando Alfonso	1923 A (Chem)	Santurce, P. R.
Vinograd, Bertha Myrtle	1921 Ag	Leonard Bridge, Conn.
Vinson, Carl George, B.S.	Grad	Carrollton, Mo.
Vischer, Peter	1920 A	Flushing
Vizioli, Jose	Grad	Piraciaba, Brazil
Vogel, Albert Otto	1923 M	Milwaukee, Wis.
Vogel, Anna Marie	1921 A	New York City
Vogel, Irvin Henry, B.S.	Grad	Ithaca
Vogel, William Edmund	1920 L	Goshen
Voight, Louis Wainwright	1922 A	Pittsburgh, Pa.

Voisinnet, Walter Eugene	1920 M	Buffalo
Volkert Robert Morris	1920 Ag	New York City
Volkhardt, Aquila Nebeker	1920 M	Stapleton
Volkmar, Harry Alan	1923 Ag	Richmond Hill
Volpe, Innocent James	1922 C	Newark, N. J.
Von Beck, Marion Elfrieda	1922 A	Carbondale, Pa.
Von Oehsen, William Henry	1921 A	New York City
Voorhees, Dorothy	1923 A	Auburn
Voorhees, James Veghte	1921 A (Chem)	Richmond Hill
Vories, Faye	1922 Ag	New York City
Vosburgh, Frederic Leon	1921 A	Auburn
Vrooman, Raymond Clifford	1923 Ag	Sharon Springs
Wackman, Clarence Frederick	1920 A (Chem)	St. Louis, Mo.
Wade, Preston Allen	1922 A	Helena, Mont.
Wadsworth, Doris Theresa	1923 Ag	Hastings
Wadsworth, Frank, jr.	1922 A	Newark, N. J.
Wadsworth, James Raymond	1920 A	Hastings
Wadsworth, William Steele	1922 Ag	Farmington, Conn.
Wagar, Humphrey Robinson	1923 A	Washington, D. C.
Wagar, Portia Wells	1923 A	Washington, D. C.
Wagner, David	1920 Ag	Washington, D. C.
Wagner, Vernon Wils	1920 Ag	Brooklyn
Wagoner, Charles Clifton	Sp Ag	Brooklyn
Wahl, John Estabrook	1922 M	Chicago, Ill.
Waite, Louise Alberta	1921 A	Fort Ann
Wakeley, Philip Carman	1923 Ag	Orange, N. J.
Wakeley, Thompson Morris	1920 A	Omaha, Neb.
Wakeman, Seth, B.A., M.A.	Grad	Batavia
Wald, Oscar, M.D.	Sp MD (N.Y.C.)	New York City
Waldner, Charles Eugene	1923 M	Brooklyn
Walenta, Edmund Joseph, 3d	Sp Ag	Schuylerville
Walke, Mary Atkinson	1922 A	Ridgewood, N. J.
Walker, Alva Stone	1921 M	Greenwich, Conn.
Walker, Cornelia Smalley	1922 Ag	Buffalo
Walker, Leon B.	1922 M	Wilkesburg, Pa.
Walker, Mercy Reed	1921 Ag	Canajoharie
Walker, William Allen	1920 A, 1923 MD	Byron
Walker, William Jeston	1922 M	Palmer
Walkley, Clarence Willard	1921 Ag	LeRoy
Wall, William Arthur	1920 Ag	Savona
Wallace, Aaron Van Duzer, jr.	1920 C	Goshen
Wallace, Bertha Edna	1922 A	Middletown
Wallace, Dorothy Irwin	1923 Ag	Flushing
Wallace, Francis Doolittle	1921 A	Geneva
Wallace, Herbert Gary	1923 A	Auburn
Wallace, James Herbert	1923 M	White Plains
Wallace, John Graham	1924 M	Jackson, Mich.
Wallens, Sidney Susman	1923 Ag	Buffalo
Walls, Bradley Dorr	1922 M	Buffalo
Walter, Richard Wiley	1922 A	Brooklyn
Walter, William Howard, B.A., M.A., LL.B.	Grad	Goderich, Ontario, Canada
Walters, Margery Laura	1922 Ag	Rochester
Walton, Alfred Bailys	1922 M	Freeport
Walworth, Chester Alexander	1920 A (Chem)	New Rochelle
Wandell, Walter Jason	1922 A	Kingston, N. C.
Wang, Kuo Shu	1923 C	Chengtu, Szechuen, China
Wannamaker, William Whetstone, jr., B.S.	1920 C	Orangeburg, S. C.
Wanser, Paul Charles	1920 A	Tarrytown
Warburton, Clark Abram	1921 A	Odessa
Ward, Albert John	1921 A	Ithaca
Ward, Darwin Adams	1923 Ag	Whitehall
Ward, Elizabeth Bowlby	1922 A	East Orange, N. J.
Ward, Margaret Ann	1922 A	Belmont
Ward, Matthew Joseph	1923 Ag	Cleveland, Ohio
Ward, Nairne Forsyth	1921 M	Lockport
Ward, Samuel Israel	1922 L	Hartford, Conn.
Warden, Robert Bruce	1920 Ar	Washington, D. C.
Wardle, Philip Van Gelder	1922 A (Chem)	Catskill
Wardwell, Jerome Kenith	1923 M	Union Springs
Wardwell, Russel Arthur	1921 L	Union Springs
Ware, Jacob Osborn, B.S., M.S.	Grad	Kings Mountain, N. C.
Warne, Cecelia Jeanette	1920 A	Ithaca
Warne, Colston Estey	1920 A, Grad	Ithaca
Warner, Charles Albert	1920 A	Lawton, Okla.
Warner, Elizabeth Thompson	1923 Z	Glenside Pa.
Warner, Frederic William, jr.	1923 C	Homer
Warner, Robert Willets, jr.	1924 C	Glenside, Pa.
Warner, Theodore Blanchard, M.D.	Sp MD (N.Y.C.)	New York City
Warner, Theodore Mallory	1922 Ag	Wellington, Ohio

Warren, Donald Howe	1922 Ag	Whitehall
Warren, Edith	1920 A	Buffalo
Warren, Robert DeBevoise	1923 M	Hollis
Warren, Theodore Edward	1921 L	Ashtabula, Ohio
Warren, William Dwight	Grad	Rochester
Warren, William Joseph	1923 M	San Juan, P. R.
Warshaw, David, A.B.	1921 MD (N.Y.C.)	Albany
Warshow, Irving Henry	1921 A	Brooklyn
Warwick, Orville Hamilton	1922 M	Chicago, Ill.
Washburn, Albert Owens	1923 M	St. Paul, Minn.
Washburn, Robert Collyer	1922 Ar	New York City
Washburn, Winthrop Doane	Sp M	Meadville, Pa.
Washington, John Clement	1922 M	Washington, D. C.
Wasson, Robert Alexander	1922 M	Mattituck
Wasson, Roy	1920 A	Camden
Wasson, William Jacob	1922 Ag	Camden
Waters, Murray Goldsborough	1922 M	Baltimore, Md.
Watkins, Frederic Moore	1920 M	Ithaca
Watkins, John Wheeler	1922 M	Utica
Watkins, Oliver Morton	1922 Ag	Newark Valley
Watson, Elinor Mary	1923 Ag	Lewiston
Watson, Gavin	1923 M	Philadelphia, Pa.
Watson, William Edward	1923 M	Toledo, Ohio
Watson, William Law	1922 A	Pittston, Pa.
Watt, John Murker	1920 Ag	Honolulu, Hawaii
Watt, Ronald George	1923 M	Honolulu, Hawaii
Watters, Hyla Stowell, A.B.	1921 MD (N.Y.C.)	Atlanta, Ga.
Watters, Richard John, jr.	1920 M	Buffalo
Weaver, Dana Sterling	1924 Ag	Brooklyn
Weaver, George Arthur	1923 A	Findley Lake
Weaver, Harry, A.B.	1921 MD (N.Y.C.)	Amsterdam
Weaver, Harvey Adelbert	1923 Ag	Findley Lake
Weaver, Sarah Pearl	1923 Ag	Findley Lake
Weaver, William Daniel	1922 M	Lancaster, Pa.
Webb, Benjamin Wellington	1922 M	Greenport
Webber, George Bentley	1923 Ag	Brooklyn
Weber, Alice Dora	1922 A	New York City
Weber, Arthur August	1920 Ar	Mount Clemens, Mich.
Weber, August	1921 Ag	Mamaroneck
Weber, Helen Augusta	1923 A	New York City
Weber, Lawrence Edward	1922 M	Mechanicsburg, Pa.
Weber, Wilfred	1921 A (Chem)	New York City
Webster, Lois Irene	1920 Ag	Stanley
Webster, Margaret Aileen	1921 A	Elbridge
Webster, Robert Lorenzo, A.B.	Grad	Ithaca
Weeber, Dorothy Alice	1922 Ag	Albany
Weeden, Edward Horatio	1922 A	Sidney
Weeks, Lewis George, B.A.	Grad	Chilton, Wis.
Wegner, Fritz William	1922 A	Frankfort
Wehle, Victor Otto	1924 M	Jamaica
Wehrle, Lawrence Paul, B.S., M S.	Grad	Scranton, Kansas
Weichsel, Carl Christian	1922 M	Dallas, Texas
Weidman, Florence Elizabeth	1922 A	Gloucester, N. J.
Weidt, William Christian Joachim	1922 Ag	Mount Kisco
Weigel, Charles Edward	1923 M	Louisville, Ky.
Weil, Evelyn Hannah	1921 A	Philadelphia, Pa.
Weil, Edward Sidney	1921 A	Chicago, Ill.
Weil, Renée	1922 A	Brooklyn
Weillepp, Thomas Greacen	1920 M	Baltimore, Md.
Weinberg, Michael Binder	1921 M	Norristown, Pa.
Weinberg, Robert Charles	1923 A	New York City
Weinberg, Ruth	1923 A	Brooklyn
Weiner, Louis	1923 M	New York City
Weingast, Joseph	1920 A (Chem), Grad	Brooklyn
Weinheimer, Claude Miller	1920 M	North Tonawanda
Weinreb, Samuel	1923 MD (N.Y.C.)	Brooklyn
Weinstein, Ezra	1921 L	Perth Amboy, N. J.
Weinstein, Isadore Peach	1922 A	Newark, N. J.
Weinstein, Samuel	1923 MD (N.Y.C.)	New York City
Weir, Robert Hamilton	1920 C	Stamford, Conn.
Weis, George William	1921 M	Wilkes-Barre, Pa.
Weis, Norman Albert	1923 A (Chem)	Buffalo
Weisberg, Hyman	1921 M	Kingston
Weisberg, Nathan	1923 C	New York City
Weisbord, Norman Edward	1924 Ag	New York City
Weiselberg, Isidore	1923 Ag	New York City
Weiss, Isidor	1923 M	New York City
Weiss, Milton	1923 A	Hudson
Weiss, Morris	1921 M	Brooklyn
Weiss, Simon	1920 Ag	New York City

Welch, Catherine Margaret	1923 A	Ithaca
Welch, William Miller, 2d	1921 M	Yardley, Pa.
Welkowitz, Ruth Edith	1922 L	New York City
Wellar, Gladys Elizabeth	1923 Ag	New York Mills
Wellenkamp, Paul Gustave	1923 M	Hammondsport
Welles, John Weaver	1920 A	Kingston, Pa.
Wellman, Harrison Wilbur	1921 M	Denver, Colo.
Wells, Guy William, Ph.B.	1920 MD (N.Y.C.)	Montrose, Pa.
Wells, Laurence Raymond	1920 C	Schuylerville
Wells, LeRoy Bullard	1922 A (Chem)	Schuylerville
Welsh, Joseph James	1922 M	Tompkinsville
Welsh, Regina Dionysia	1923 A	Tompkinsville
Wemple, Edgar Earl	1922 M	Elmira
Wendell, Rosamond Hill	1922 Ag	Lockport
Wendnagel, Charles Eugene	1922 M	Chicago, Ill.
Wenger, Adeline Marie	Sp Ag	Tenafly, N. J.
Wenger, Ralph Anderson	1923 Ag	Waynesboro, Va.
Wenz, Louis Ezra	1920 Ag	Ithaca
Werbelowsky, Isidor	1921 A (Chem)	Brooklyn
Werbelowsky, Jean Dorothy	1924 Ag	Brooklyn
Werly, Berlyn McIntyre	1922 M	Ithaca
Werly, Glenn Louis	1923 Ag	Ithaca
Werring, Walter Werring	1921 M	Brooklyn
Wesch, Alfred Harold	1922 Ag	Brooklyn
Wesolowski, Waclaw Andrew	1923 A (Chem)	Yonkers.
West, Alvin Emil	1921 M	Washington, D. C.
West, Arthur Matthew	1923 M	Rhinebeck
West, Elliott Mitchell	1923 M	Brooklyn
West, George Addison	1923 Ag	Rhinebeck
West, Grace Walrond	1923 A	Brooklyn
West, Jean Wardlaw	1921 A	Oklahoma City, Okla.
West, Luther Shirley	1921 Ag	Owego
West, Ralph George	1921 M	Lyons
West, Randolph Cooper	1920 C	New Orleans, La.
Westbrook, Lloyd	1923 Ar	Brooklyn
Westcott, Lilian Vaughan	1921 Ag	Princeton, N. J.
Westervelt, Ralph Henry	1922 M	Ithaca
Westphal, Milton Christian John, A.B.	Grad	Buffalo
Wethey, Harold Edwin	1923 A	Port Washington
Wetzel, Frank Carl	1920 A	Harrison, N. J.
Wexler, David	1921 A	Brooklyn
Wexler, Frances	1923 A	New York City
Wheaton, Lewis Ulysses	1922 M	Buffalo
Wheaton, Ruby Adelaide	1923 A	Ithaca
Wheeler, Coleman Hawley, jr.	1922 C	Portland, Ore.
Wheeler, Everett Pepperell	1923 C	Geneva
Wheeler, John Edward	1921 Ag	Brockton, Mass.
Wheeler, Mary Alexandria	1921 A	Syracuse
Wheeler, Roy Leech	Sp Ag	Holcomb
Wheeler, Smiley James, M.D.	Sp MD (N.Y.C.)	Waco, Texas
Whipple, Earl Franklin	1922 V	Rochester
Whitaker, Randall	1923 Ag	New York City
Whitchurch, Anna Kellman, A.B., A.M.	Grad	Galesville, Wis.
Whitchurch, Irl Goldwin, A.B., A.M., B.D.	Grad	Galesville, Wis.
White, Alexander Craig	1923 A (Chem)	Pittsburgh, Pa.
White, Andrew Mercer	1921 M	Baltimore, Md.
White, Clifford Rees	1923 A	Hollis
White, Edgar Greaves	1920 M	Syracuse
White, Elwyn Brooks	1921 A	Mount Vernon
White, Florence Elizabeth	1920 Ag	Yorktown
White, Floyd Henry	1920 V	Rhinebeck
White, Frederic Fullerton	1922 A	New York City
White, Harriet Marion, A.B.	1923 MD (N.Y.C.)	Richmond Hill
White, Jackson Smith	Sp Ag	Machias
White, Karin Andréevna, A.B.	1920 Ag	Ithaca
White, Lydia Phylancy	1922 Ag	Bath
White, Norman Percival	1923 Ag	Trenton, N. J.
White, Richard Peregrine, B.S.	Grad	North Acton, Mass.
White, Robert Ingersoll	1923 A	New York City
White, Robert Morse	1920 M	New York City
White, Robert Wesley	1920 Ag	Brady, Texas
White, Ruth Langworthy	1923 A	Ithaca
Whitehill, Alfred Aloysius	1921 Ag	Brooklyn
Whitelaw, Bertha	1921 Ag	New York City
Whiteside, Horace Eugene, A.B.	1922 L	Bellbuckle, Tenn.
Whiting, William Alonzo, B.S.	Grad	Ithaca
Whitman, Frank Nunn	1921 A	Chicago, Ill.
Whitman, James Spaulding	1920 Ar	Canton, Pa.
Whitman, Samuel Corbin, A.B.	1921 L	Afton
Whitmore, Floyd Irving, jr.	1921 A	New Berlin

Whitner, Alonzo Church	1923 A	New York City
Whitner, William Rosengarten, jr.	1923 A	Oak Park, Ill.
Whitney, Charles Seward, jr.	1922 M	Adrian, Mich.
Whitney, Eunice Chesdro	Sp Ag	Madison, N. J.
Whitney, Harry	Sp Ag	Madison, N. J.
Whitney, Howard Erwin	1922 C	Albany
Whitson, Donald Dickson	1924 Ag	Afton
Whittaker, Charles	1923 M	Kingston
Whittemore, Arthur Snow	1920 M	New York City
Whittemore, William Horace	1923 A	East Orange, N. J.
Whittingham, Augustine Monral	1920 Ag	Milburn, N. J.
Whyte, Keith Carrick	1921 M	Anaconda, Mont.
Wichelns, Herbert August, B.A.	Grad	Brooklyn
Wicker, Mildred Marie	1922 MD (N.Y.C.)	Livonia
Wickerham, Howard Lawrence	1922 Ar	Homestead, Pa.
Wickerham, Ralph Donald	1924 C	Homestead, Pa.
Wickes, Francis Allen	1921 Ag	Ticonderoga
Wickes, Ruth Elizabeth	1923 Ag	Ticonderoga
Wicks, Allyn Benjamin	1923 Ag	Oxbow
Wiedorn, William Shaffrath, B.S.	Grad	Ithaca
Wigdor, Meyer, B.S., A.M.	1923 MD (N.Y.C.)	New York City
Wight, Stanley Griswold	1922 M	New York City
Wigley, Doris Aldrich	1923 A	Luzerne
Wigsten, Frank Murray	1922 Ag	Elmira
Wigsten, William J.	1923 Ag	Elmira
Wilbur, Francis Cressy	1920 Ag	Albany
Wilbur, James Waldo	1921 A	DeLancey
Wilcox, Ansley, 2d	1921 A	Castleton-on-Hudson
Wilcox, Helen Wanda	1920 A	Elmhurst
Wild, Russell Burnett	1922 A (Chem)	Water vliet
Wilder, Harris Emory	1922 M	Elmhurst, Ill.
Wiley, Robert Ayer	1923 A	Omaha, Neb.
Wilhelmsen, Catharine	Sp Ag	Kristiania, Norway
Wilhelmsen, Raguhild	Sp Ag	Kristiania, Norway
Wilkes, Edward Theodore	1921 MD (N.Y.C.)	New York City
Wilkes, Harriet Erwin	1922 A	Binghamton
Wilkes, William Crockett	1922 A	Binghamton
Wilkin, George Ambrose	1923 Ag	Brockport
Wilkin, Harold Emil	1923 Ag	Trumansburg
Wilkin, Sidney John	1923 Ag	Brockport
Wilkins, Joseph Fellows	1923 M	Selma, Ala.
Wilkinson, Henry Bernard	1923 M	Bailey's Bay, Bermuda
Wilkinson, Raymond James	1920 V	Ithaca
Wilklow, Ward	1921 L	Ellenville
Willard, Neil Matthew	1920 M	Buffalo
Willcox, Alanson Work	1922 A	Ithaca
Willcox, Mary Goodenow	1923 A	Ithaca
Willey, Charles Steelman	1923 M	Louisville, Ky.
Willgerodt, Tillie Margaret	1922 A (Chem)	Montclair, N. J.
Williams, Amy Elizabeth	1923 A	New York City
Williams, Donald Dewitt	1922 C	Corry, Pa.
Williams, Eugene Monroe	1921 A	Maryville, Tenn.
Williams, Frederick Bronson	1923 C	Waterbury, Conn.
Williams, Gerald Crofoot	1920 C	Binghamton
Williams, Gordon Early	1924 Ar	Columbus, Ohio
Williams, Kenneth Victor	1923 Ag	Brooklyn
Williams, Langdon Thomas	1922 L	Columbus, Ohio
Williams, Otis Parker	1923 C	Norwalk, Ohio
Williams, Ramon Oscar	1922 M	Brooklyn
Williams, Ruth Galdys, B.A.	Grad	La Verne, Cal.
Williams, Victor Jackson	1922 M	Bolivar
Williams, William Norman	1922 A (Chem)	Schenectady
Williamson, Charles Donovan	1921 Ag	Fort Worth, Texas
Williamson, Christina Valeria	1923 Ag	Huntington Station
Williamson, Frank Shaver	1922 A (Chem)	Frankfort
Williamson, Frederick Voorhees	1921 M	Brooklyn
Willis, Marjorie Elsie	1922 Ag	Ithaca
Willis, Paul Truitt, A.B.	1921 MD (N.Y.C.)	Niagara Falls
Willison, Dorothy	1920 A, Grad	Huntington, W. Va.
Willoughby, Wesley Fuller	1922 A	Catsauqua, Pa.
Willsey, Warren Gilbert	1920 L	Cortland
Wilson, Anna Isabelle	1922 A	Yonkers
Wilson, Arthur Young	1922 A	Youngstown, Ohio
Wilson, Carl Louis, A.B.	Grad	Lorain, Ohio
Wilson, Donald Bower	Grad	Chrome, N. J.
Wilson, Edward	1921 M	Washington, D. C.
Wilson, Francis Henry	1923 Ag	Salem
Wilson, Harold A.	1922 A	Downsville
Wilson, Hudson Jennings, M.D.	Sp MD (N.Y.C.)	Ithaca
Wilson, James Bentley	1921 Ag	Buffalo

Wilson, James Edward	1920 Ag	Patchogue
Wilson, Marjorie	1923 Ag	Bethlehem, Pa.
Wilson, Maurice Leigh	1921 M	Ithaca
Wilson, Mildred Fay	1922 A	Ithaca
Wilson, Ross Alexander	1922 A	Toronto, Ont., Canada
Wilson, Wade Inskip	1921 A	Buffalo
Winch, Percy Holden	1923 M	Manchester, N. H.
Winchester, Milo Follett	1922 Ag	Wassaic
Wincor, Abraham	1920 A 1923 MD	New York City
Windnagle, Charles Eugene	1922 M	Chicago, Ill.
Windnagle, Dewey Fenton	1923 M	Penn Yan
Windt, Valentine Barthold	1921 A	New York City
Winestine, Frederica, A.B.	1920 MD (N.Y.C.)	Waterbury, Conn.
Winfield, Margaret Lounsbury	1920 A	Brooklyn
Wing, Willis Kingsley	1923 A	Toledo, Ohio
Winship, Charles Haradon, jr.	1923 A	Plattsburg
Winter, George E., M.D.	Sp MD (N.Y.C.)	Jackson, Mich.
Winter, James Henry	1921 M	Greene
Winters, Nathaniel Elmer, B.S., M.S.	Grad	Charlotte, N. C.
Wipperman, Walter Kendall	1920 A	Logansport, Ind.
Wissel, Howard Clinton	Sp Ag	Ithaca
Witkop, John Charles	1920 Ag	Buffalo
Witt, Dan Hiter, M.D.	Sp MD (N.Y.C.)	New York City
Witter, Margaret Shepard, A.B.	1923 MD	Wellsville
Wittich, Walter	Sp M	Wheeling, W. Va.
Wittreich, Andrew Otto	1924 L	Union Hill, N. J.
Witzel, Joseph Alfred	1921 Ag	College Point
Witzeman, Louis Alexander, A.B., M.D.	Sp MD (N.Y.C.)	Akron, Ohio
Wixom, Elmer Benjamin	1922 Ag	Trumansburg
Wocher, Eeginald Fredrick	1921 C	Yonkers
Woehl, Arthur Lensen	1923 A	Buffalo
Woepfel, Oswald Joseph	1921 M	Corning
Wohlenberg, Fred Harold	1923 Ar	Fort Worth, Texas
Wohlhueter, Lucy Victoria	1924 A	Buffalo
Wolcott, Ruth	1920 A	West Hartford, Conn.
Wolf, Augusta	1922 A	Brooklyn
Wolf, Harold George	1920 Ag	Varysburg
Wolf, Princess Mariam	1921 Ag	Homer
Wolfe, Florence Lora Olga	1920 A	Canastota
Wolfe, Thomas Kennedy, B.S., M.S.	Grad	Elkton, Va.
Wolff, Anita	1920 A	Stapleton
Wolff, Armand Thompson	1922 M	Waterbury, Conn.
Wolff, Elizabeth Lucy	1921 Ag	Ithaca
Wolff, Howard	1923 M	Brooklyn
Wolfson, Carlos Eugene	1922 Ag	Spencerport
Wolfson, Alfred Mortimer	1921 Ag	New York City
Wolkind, Samuel Seymour	1920 A	Buffalo
Wong, Kam Yuen	1920 M	Hong Kong, China
Woo, Mary Janet, B.A.	1923 MD	Denver, Colo.
Wood, Alfred Roland	1921 C	Princes Bay
Wood, Cedric Willits	1921 M	Buffalo
Wood, Charles Amos	1922 M	Syracuse
Wood, Edgar Holmes	1922 A (Chem)	Port Byron
Wood, Everitt	1922 M	Brooklyn
Wood, Franklin Secor	1924 A	Seneca Falls
Wood, Franz West	1922 M	Des Moines, Iowa
Wood, George Dilwyn	1920 A	Ithaca
Wood, Harlan Valentine	1922 M	Jacksonville
Wood, Harold Saxton	1924 M	Mansfield, Pa.
Wood, Harrison	1924 M	Rutherford, N. J.
Wood, Hilton Gerard	1921 A (Chem)	Stamford, Conn.
Wood, Jessie Elmira	1922 A	Whitehall
Wood, John Scott	1923 A	Brooklyn
Wood, Orla Leslie, jr.	1923 M	South Norwalk, Conn.
Wood, Paul Orlady	Sp Ag	Brooklyn
Wood, Percy Hasselle	1922 C	Chattanooga, Tenn.
Wood, Sanford Ballard Dole	1922 L	Honolulu, Hawaii
Woodcock, Fletcher Howard	1923 Ag	Spencer, Iowa
Woodcock, Thursia May	1924 Ar	Spencer, Iowa
Woodcock, William Palmer	1920 Ag	Spencer, Iowa
Wooden, Aubrey Arthur	1923 V	Waterloo
Woodin, Ernest Clinton	1923 A	Pawling
Woodman, DeGraaf, B.S.	1923 MD (N.Y.C.)	New York City
Woodruff, Charles Curtis, jr.	1920 C	Long Island City
Woodruff, Dorothy Elizabeth	1920 A	Ithaca
Woods, Don Thomas	1923 Ag	White Pigeon, Mich.
Woods, Edward Harold	1924 M	St. Josephs
Woods, Robert McLain	1923 M	Wheeling, W. Va.
Woodward, Dorothy Morris	1923 A	Sayre, Pa.
Woodward, Harold Stone	1922 C	Worcester, Mass.
Woodward, Julian Laurence	1922 M	Chicago, Ill.

Woodward, Morton Powell	1920 A (Chem)	Norwood, Ohio
Woodworth, Roswell Williams, A.B.	1920 L	Homer
Woodworth, Ruth Adaline	1922 A	Avoca
Woolf, Walter Scott	Sp Ag	New York City
Work, Eunice, A.B., A.M.	Grad	Tarkio, Mo.
Workman, Roy Hiram	1922 A	Lititz, Pa.
Works, Philip Owens	1921 A	St. Paul, Minn.
Worman, Elizabeth Dorothy	1922 A (Chem)	Brooklyn
Worms, Sophie Dazian	1920 A	Whitestone
Worthington, Charles Gad	1923 M	Stafford
Wright, Anton Pope, jr.	1923 M	Savannah, Ga.
Wright, Benjamin Franklin	1922 M	Detroit, Mich.
Wright, Chilton Austin, C.E.	Grad	New Rochelle
Wright, Ehrick Hanford	1921 C	Ithaca
Wright, Hazel Eunice	1922 Ag	Johnson City
Wright, Irving Sherwood	1923 A	Bloomfield, N. J.
Wright, Ivan, A.B., B.S., M.S.	Grad	Lawford, W. Va.
Wright, Mary Evalena, B.S.	Grad	Ithaca
Wright, Simeon Mather	1921 M	Watertown
Wright, Walter David, jr.	1923 Ag	Webster
Wrigley, Byron Earle, jr.	1921 A	Philadelphia, Pa.
Wuest, Louis Arthur	1920 Ag	Cincinnati, Ohio
Wurts, John J.	1923 C	Chicago, Ill.
Wurzburger, George Gottfried	1921 Ag	San Francisco, Cal.
Wyckoff, Mary Elizabeth	1923 Ag	Geneva
Wyman, Emily Lucile	1923 A	Middlesex
Wynkoop, Doris De Nard	1920 A 1923 MD	Rochester
Yale, Maurice Wade	1924 Ag	Guilford
Yang, Shao Tseng	1922 A (Chem)	Soochow, China
Yates, Elsie Trill	1921 Ag	Hillsdale, N. J.
Yeatman, Charles Alfred	1923 M	La Grange, Ill.
Yeaton, Ruth Agnes, B.A.	Grad	Portsmouth, N. H.
Yeh, Chia Isun, B.Sc., C.E.	Grad	Shanghai, China
Yellen, Irving	1922 A	Buffalo
Yellen, Maurice	1922 A	Buffalo
Yen, Hoong Kwie, M.C.E.	Grad	Han Shan, Anhui, China
Yeomans, George Alvoyd	1920 Ar	Rochester
Yeomans, Mabel Ford, A.B.	Grad	Oxford
Yingling, Robert Stoops	1923 M	Muncie, Ind.
Yoffa, Annie	1921 A	East Brunswick, Australia
Yoffa, Bella	1921 A	Melbourne, Australia
Yokogawa, Tokisuke	1921 Ar	Tokyo, Japan
Yoneyama, Yutaka	Grad	Shidzuoka, Japan
Yordon, Walter Scott	1923 Ag	Syracuse
Youglaglou, Constantine P., B.S., M.E.	Grad	Constantinople, Turkey
Young, Ernest Charles, B.S.	Grad	Ithaca
Young, George Bibb	1921 A	Montgomery, Ala.
Young, Gertrude John	1923 A	Brooklyn
Young, Gertrude Parker	1921 Ag	Mount Vernon
Young, Harold Runyon	1921 A	Bloomfield, N. J.
Young, Harry Pestanna, B.S.	Grad	Ithaca
Young, Hiram Belding	1921 A (Chem)	New York City
Young, Raymond David	1922 Ag	Bayonne, N. J.
Young, William MacBride	1922 A (Chem)	Brooklyn
Younglove, Margaret Wilhelmina	1923 Ag	Hammondsport
Yznaga, Fausto Roberto	1923 A (Chem)	New York City
Zahn, Lewis Frederick	1923 C	Detroit, Mich.
Zametkin, Laura Keane	1921 A	Jamaica
Zammataro, Salvatore Joseph	1921 M	Brooklyn
van Zandt, Fanny Bryce	1921 Ag	Ithaca
Zapata y Torres, Miguel	1922 A	Cabo Rojo, P. R.
Zapf, Irene Augusta	1921 Ag	Batavia
Zausmer, Abraham Aaron	1920 A	Waverly
Zehner, Louis Aylesbury	1922 Ag	Brooklyn
Zeiner, Eugene Francis	1820 M	Brooklyn
Zeissig, Alexander	1923 Ag	New York City
Zeuch, William Edward, A.B., M.A.	Grad	Hopkinton, Iowa
Ziegler, Helen Alexander	1923 C	Jamaica
Ziegler, Mary Alexander	1923 M	Jamaica
Zigler, Michael Jacob, A.B., A.M.	Grad	Broadway, Va.
Zilevitz, Reuben Robert	1920 Ag	New York City
Zimmer, Bryon Lewis	1924 M	Rochester
Zimmerer, Charles John	1923 A (Chem)	St. Louis, Mo.
Zimmerman, James Donald	1922 A	Cortland
Zimmerman, Lois Annette	1920 Ag	Cortland
Zoller, Mabel Lucy	1920 Ag	Fort Plain
Zuckerman, Jacob	1920 Ag	Gloversville
Zuidema, Albert	1921 M	Holland, Mich.
Zurbrick, Ansley Albert	1924 M	Clarence Center

Summary by Colleges

GRADUATE SCHOOL.....		407
COLLEGE OF ARTS AND SCIENCES		
Candidates for A.B.	Class of 1920	289
	Class of 1921	325
	Class of 1922	370
	Class of 1923	488
	Class of 1924	33
	Special Students.....	18
		<hr/> 1523
Candidates for B.Chem.	Class of 1920	50
	Class of 1921	74
	Class of 1922	79
	Class of 1923	81
	Class of 1924	4
	Special Students.....	1
		<hr/> 289
COLLEGE OF LAW	Class of 1920	37
	Class of 1921	58
	Class of 1922	78
	Class of 1923	2
	Class of 1924	2
	Special Students.....	1
		<hr/> 178
MEDICAL COLLEGE		
New York City	Class of 1920	50
	Class of 1921	48
	Class of 1922	52
	Class of 1923	75
	Special Students.....	86
Ithaca Division	Class of 1923	38
		<hr/> 349
VETERINARY COLLEGE	Class of 1920	28
	Class of 1921	18
	Class of 1922	21
	Class of 1923	34
	Class of 1924	2
		<hr/> 103
COLLEGE OF ARCHITECTURE	Class of 1920	39
	Class of 1921	26
	Class of 1922	16
	Class of 1923	28
	Class of 1924	14
	Special Students.....	7
		<hr/> 130
COLLEGE OF AGRICULTURE	Class of 1920	287
	Class of 1921	259
	Class of 1922	245
	Class of 1923	370
	Class of 1924	34
	Special Students.....	88
		<hr/> 1283
COLLEGE OF CIVIL ENGINEERING	Class of 1920	81
	Class of 1921	85
	Class of 1922	105
	Class of 1923	102
	Class of 1924	30
		<hr/> 403
SIBLEY COLLEGE OF MECHANICAL ENGINEERING	Class of 1920	140
	Class of 1921	212
	Class of 1922	356
	Class of 1923	378
	Class of 1924	110
	Special Students.....	14
		<hr/> 1210
Total Number of Students, deducting for names counted twice (110).....		5765

Geographical Summary

Alabama	14	Missouri	51	Virginia	52	Greece	1
Arkansas	19	Montana	7	Washington	14	Guatemala	2
California	28	Nebraska	15	West Virginia	22	Holland	1
Colorado	25	New Hampshire	16	Wisconsin	21	Honduras	1
Connecticut	95	New Jersey	383	Wyoming	2	India	2
Delaware	10	New Mexico	3	Armenia	2	Japan	6
Dist. of Columbia	64	New York	3473	Argentina	4	Jugoslavia	2
Florida	16	North Carolina	17	Australia	3	Mexico	9
Georgia	13	North Dakota	5	Bahamas	1	New Zealand	1
Hawaii	8	Ohio	180	Bermuda	1	Norway	8
Idaho	5	Oklahoma	15	Bolivia	1	Palestine	2
Illinois	108	Oregon	6	Brazil	10	Panama Republic	1
Indiana	36	Pennsylvania	440	Canada	30	Paraguay	1
Iowa	21	Phil. Islands	14	Chile	2	Peru	3
Kansas	15	Porto Rico	24	China	50	Porto Rico	22
Kentucky	17	Rhode Island	8	Colombia	2	Russia	5
Louisiana	21	South Carolina	17	Cuba	16	Siam	1
Maine	12	South Dakota	4	Denmark	4	South Africa	7
Maryland	57	Tennessee	24	Dominican Rep.	2	Spain	2
Massachusetts	79	Texas	37	Ecuador	1	Sweden	1
Michigan	53	Utah	11	England	2	Switzerland	1
Minnesota	21	Vermont	13	France	5	Turkey	9
Mississippi	2						

ADDITIONAL ENROLLMENT

University Summer Session (including Summer School in Agriculture) and Fourth Term, 1919	2549
Winter Courses in Agriculture, 1919-1920	396

Total Registration by Years from the Opening of the University

1868, 412	1878, 505	1888, 1229	1898, 2543	1908, 4859
1869, 563	1879, 463	1889, 1329	1899, 2766	1909, 5194
1870, 609	1880, 399	1890, 1390	1900, 2980	1910, 5624
1871, 597	1881, 384	1891, 1670	1901, 3293	1911, 5848
1872, 539	1882, 405	1892, 1883	1902, 3457	1912, 6315
1873, 509	1883, 447	1893, 2040	1903, 3423	1913, 6496
1874, 532	1884, 575	1894, 2042	1904, 3841	1914, 6891
1875, 542	1885, 649	1895, 2057	1905, 4122	1915, 7143
1876, 561	1886, 829	1896, 2105	1906, 4225	1916, 6999
1877, 529	1887, 1022	1897, 2120	1907, 4465	1917, 5297
				1918, 5644

STUDENTS IN THE UNIVERSITY SUMMER SESSION, 1919

Including the Summer School in Agriculture and the Fourth
Term of the Academic Year 1918-1919

1 Fourth Term in Agriculture	5 Fourth Term in Mechanical Engineering
2 Fourth Term in Architecture	6 Fourth Term in Medicine
3 Fourth Term in Arts and Sciences	7 Graduate School
4 Fourth Term in Civil Engineering	8 Summer School in Agriculture
9 Summer Session	
9 Abbiss, Helen Zilpher, Bach. Music	Braddock, Pa.
4, 5 Abel, Howard Bernal	Brooklyn
9 Abelson, Isabel Sara	Utica
9 Abernethy, Maude Veronica	Hickory, N. C.
9 Abrahams, Estelle Louise	New York City
9 Abrams, Goldie Gertrude	Honesdale, Pa.
9 Abramson, Augusta	New York City
8 Acomb, Helen McCurdy	Dansville
9 Adams, James Richard	Utica
9, 5 Adams, John Dauray	North Troy
9 Adams, Ralph Roy	Salamanca
9 Aderer, Edwin	New York City
9 Ahrens, S. Helen, B.A. (Wellesley), 1914	Reading, Pa.
9, 5 Aikins, John Robert	Buena Vista, Pa.
8 Ainsworth, Clio Martha	Whitesville
9 Albin, Archer Overton	Lynbrook
5 Alcus, Felix Leiser	New Orleans, La.
9, 8 Alden, Mary Marguerite	Newark, N. J.
9, 7 Alden, Rose, A.B. (Mount Holyoke), 1901	Newark, N. J.
9 Alderwick, Charlotte Ann	Utica
9 Aldrich, Leon Corey	Norwich
8 Aldrich, Mildred Lois	Castile
9 Alexander, Genevieve Esther, A.B. (Syracuse), 1917	New Hartford
1 Alfke, Frederick Henry	New York City
8 Allen, Harold Boughton	Kent
9 Allen, Harriett Rebecca	Milford, Conn.
7 Allen, Howard Bushnell, B.S. (Cornell), 1914	Hamburg
9 Allen, Howard Cameron	Johnstown
8 Allen, John Liebeskind	Binghamton
8 Allen, L. Clementine	Ovid
9 Allen, Robert Bernard	Denver, Colo.
9, 7 Allerton, Olive May, A.B. (Syracuse), 1917	Penn Yan
9 Alley, Christa May, A.B.	Groton
2 Allman, Blanche (Mrs. Drue), (Cornell), 1913	Richmond Hill
8 Allman, Drue, B.S. (Cornell), 1915	Richmond Hill
9, 5 Altschuler, William	New York City
9, 8 Altstadt, Sadie Freda, B.A. (Hunter), 1912	New York City
9 Amado, Lucy	Brooklyn
9 Amberson, Mary Eva, B.A. (Wilson), 1897	Waynesboro, Pa.
9 Amill, Anna Quigley	Johnstown, Pa.
5 Anderson, Herbert Charles	Chicago, Ill.
7 Anderson, Juliette Norma, B.S. (Oregon), 1918	Portland, Ore.
9 Anderson, Oscar Frederick	Forestville, Conn.
9, 4 Anderson, Ross Stockbridge	Chevy Chase, Md.
9 Andrews, Francis Swain	Norway, Me.
9 Andrews, John Paul	Olean, N. Y.
8 Andrews, Wallace John	Olivera
8, 7 Andrews, William Alexander, A.B. (Cornell), 1917	Huntington
4 Andrews, William Angell	Grand Haven, Mich.
9 Andrus, Esther Frances, A.B. (Cornell), 1914	East Rochester
9 Angell, James Knickerbocker	Waverly
5 Antonelli, Peter	Chicago, Ill.
7 App, Frank, B.S. (Pennsylvania State), 1911	Millersburg, Pa.
9, 5 Apthorpe, Charles Wilbur	Auburn
9 Armstrong, Nathalie Victoria, B.A. (Barnard), 1913	Montclair, N. J.
9 Arnold, Rosemary	Washington, D. C.
9, 4 Arronet, Margaret	Petrograd, Russia
8 Artis, Anastaha	Buffalo
9 Artman, Ruby May	LeRoy
9 Ashbaucher, Hermine Eliza	Bluffton, Ind.
9, 5 Ashcroft, Alfred Griffin	Brooklyn
1 Ashley, Benton Marshall	New Bedford, Mass.
8 Ashley, Mildred Frances, A.B. (Smith), 1912	New Bedford, Mass.
9 Ashman, Victoria Kate	Brighton, N. J.

- 9 Askew, Frances King
 9 Aspinwall, Laura Pomeroy
 8 Atherton, Bernice Margaret
 8 Atkins, James Hurst
 5 Atwood, John Cowan, jr.
 5 Austen, Robert Norman
 9 Avant, Louise Roberta
 9 Ave, Marie Lillie
 5 Ayars, David Preston, jr.
 8 Babad, Mollie, A.B. (Hunter), 1914
 5 Babcock, Juan Acres, jr.
 9 Bache-Wiig, Carl, jr.
 9 Bachman, Elva Myrtle
 4 Backer, William Bryant
 9 Backus, Charles William
 8 Bacon, Earl Douglas, A.B. (Colgate), 1917
 8 Badger, Eunice Louise, A.B.
 9 Badger, Katharine, (Illinois), 1918
 9, 4 Baier, Nathan Harrison
 9 Bailey, Alan Edward
 9 Bailey, Charles Chester
 9 Bailey, Clifford Sherwood
 8 Bailey, Leota Mary
 8 Bailor, Winifred Georgie
 7 Baird, William Jesse, B.S. in Agr. (Berea), 1915
 9 Baker, Evah Alma
 9 Baker, Ruth Stephens, A.B. (Smith), 1903
 9 Baketel, Harry Sheridan, jr.
 8 Balcom, Amy Caro
 9 Baldwin, Helen Leona
 9 Baldwin, Marc Luther, A.B., A.M. (Bucknell), 1911, 1913
 9, 5 Baldwin, Whitford Anderson
 9 Ball, Ellis Robert
 8 Ball, Mary Eleanor
 9, 8 Ballantine, Elizabeth Stuart
 9 Ballou, Hosea Cushman
 9 Bamberger, Judith
 9 Banks, Josephine
 2 Banse, Herbert George
 9 Barber, Ruth Anna
 5 Barkdull, Roy Edgar
 9 Barkelaw, Charles Smith, jr.
 9, 4 Barker, Clifford Van Keuren
 5 Barker, Frederick George, jr.
 9 Barlow, Anna Marie
 8 Barnaskey, Mildred Angeline
 9 Barndt, Hester Keling
 9 Barned, Louise
 9 Barnes, Claudia Marie
 9, 4 Barnes, Harry Wilbur
 9, 8 Barnett, Miriam Ruth, B.A. (Ursinus), 1914
 8 Barnhart, William Steel, B.S. (Pennsylvania State), 1914
 9 Barnhill, Martha Orene
 9, 8 Barnsley, Effie Grace
 9 Baron, Thomas Abram
 9 Barr, Herbert Howard
 8 Barrett, Emma Bailey
 9, 8 Barrett, Irma Frances
 9, 5 Barris, Henry Allen
 9, 4 Barros-Barreto, Benjamin Franklin
 8 Barry, Marie Martha
 9 Bartoo, Eli Rol, B.S. (Alfred), 1918
 9 Bartsch, Barbara Elizabeth
 9 Bartsch, Edward Holmes
 8 Barwick, Henrietta Josephine
 9 Baskerville, Charles, jr.
 8 Baskind, Frances
 9, 7 Bason, George Francis, M.E. (Cornell), 1916
 9 Bassett, Catherine Clark
 9 Bassett, Charles Fernando
 9 Bassett, James Wellington
 9, 5 Bastian, William Garvin
 9 Bauer, George Frederic
 9, 5 Baum, Seymour Leopold
 9, 5 Baur, Oscar, jr.
 9 Bayles, Hazel Mary
 9 Baynes, Alice Bernadette
 9 Beakes, Mahlon Henry
 9 Beals, Maurine Katherine
 9 Bean, Mary Elizabeth
 Ashtabula, Ohio
 Buffalo
 Angelica
 Glens Falls
 Ferguson, Mo.
 Etna, Pa.
 New York City
 Buffalo
 Wilkes-Barre, Pa.
 New York City
 Plainfield, N. J.
 Portland, Me.
 Freeland, Pa.
 New York City
 New Berlin
 Hamilton
 Ithaca
 Ithaca
 New York City
 Buffalo
 Oakmont, Pa.
 Brooklyn
 Westfield
 Brookton
 Berea, Ky.
 Deland, Fla.
 Plymouth, Mass.
 New York City
 Springfield, Mass.
 Groton
 Pottstown, Pa.
 Oak Park, Ill.
 Cattaraugus
 Albion
 Philadelphia, Pa.
 New York City
 Newark, N. J.
 Ithaca
 Chicago, Ill.
 Pittston, Pa.
 New Orleans, La.
 Dayton, Ohio
 Staatsburg
 Cleveland, Ohio
 Fredonia
 Lysander
 Catawissa, Pa.
 Ithaca
 Buffalo
 Detroit, Mich.
 Reading, Pa.
 Alfred
 Crawfordsville, Ind.
 Rockville, Md.
 Steubenville, Ohio
 Terre Haute, Ind.
 Campbell
 Troy
 Silver Creek
 Pernambuco, Brazil
 Troy
 Little Valley
 Shenandoah, Pa.
 Jersey City, N. J.
 Ossining
 New York City
 New York City
 Ithaca
 Washington, D. C.
 Castile
 Coopers Plains
 Zelenople, Pa.
 Elkins Park, Pa.
 New York City
 Chicago, Ill.
 Wayne City, Ill.
 Rome
 New York City
 Wayland
 Philadelphia, Pa.

9. 4 Bear, Burnett
 9. 5 Beardslee, Harland Franklin
 9. 5 Beardslee, Wanda Jane
 1 Beardsley, Wallace Pearne
 9. 5 Beatty, Henry McIntosh
 9 Beck, Edna Louise, A.B. (Elmira), 1910
 8 Beck, Leslie Earl
 9 Becker, Jennie
 9. 4 Becker, Robert
 9 Beckwith, Ruth Agnes
 8 Beecher, Lena Churchill, B.S. (Cornell), 1916
 9 Beeman, Maude
 9 Beggs, Eugene William
 8 Beiermeister, James McPherson
 8 Bell, Arthur Reginald
 9 Bell, Ruth
 9 Belser, Bertha
 8 Benedict, Wayne Gilbert, A.B. (Colgate), 1906
 9. 4 Benitez-Gautier, Jose
 9 Benners, Mildred Stuart
 5 Bennet, Robert Hadley
 9 Bentley, Elsie May
 5 Bentley, Harold Perkins
 9 Benz, Margaret Carroll
 8 Berberich, Henry George
 9. 8 Berg, Florence Emily
 9 Berman, William
 9. 4 Bernard, William Stewart, jr.
 1 Bernhardt, Isidor Harold
 9 Bershansky, Ida
 8 Betten, Myrtle Sherer
 9 Betts, James Hill
 9 Betz, Carrie Lou
 2 Beugler, James Valentine
 9. 7 Beziat, Mrs. Kate Bradley, A.B. (Vassar), 1892
 8 Beyschlag, Emily
 8 Bickford, Edwin Blake
 9 Biddle, Charles Wesley
 9 Billheimer, Marguerite Beora
 9 Bingham, Samuel Herbert, jr.
 9 Binns, Elston Voorhees
 9. 2 Binswanger, Samuel Emanuel
 9 Birch, Lulu Genung, Ph.B. (Cornell), 1897
 5 Bishop, George King
 9 Bissell, Chester Wright
 9. 8 Bitler, Tillie Ella, A.B. (Allegheny), 1916
 9 Black, Annette
 9. 5 Black, William Hilbert, jr.
 9 Blackburn, John Harold
 9 Blackburn, Walter Gerard
 9 Blair, Elizabeth Coleman, A.B. (Elmira), 1918
 9 Blanchard, John David
 1 Blanche, Herbert Martin
 9 Blanke, Donald Cutler
 9 Blandford, Alma
 9 Blandford, Hannah McLean
 7 Blauvelt, Livingston, B.A. (Yale), 1917
 9. 7 Bleiman, Gladys Katherine, A.B. (Cornell), 1919
 8 Blodgett, Margaret Loring
 9 Bloomer, Mary Elizabeth
 1 Bloy, Myron Barnett
 5 Blue, Edward Browning
 9 Bodansky, Marie Sykin
 9 Bogart, Leola Pearl
 9 Boggess, Mildred Constance
 9. 7 Boies, Grace Griffith, A.B. (Parsons), 1910
 9 Bolan, Francis Joseph
 8 Boland, Catherine Elizabeth, B.S. (New York State), 1919
 8 Boland, Frances Mary, B.S. (New York State), 1919
 9. 5 Bollinger, Ralph Leo
 9. 8 Boniface, Ralph Murdock
 9 Boorem, Gladys Marian, A.B. (Ursinus), 1915
 8 Booth, Arthur Alexander
 9 Booth, Arthur Earle
 9. 5 Booth, James David
 9 Bosanko, Arthur Kingsley
 9. 8 Bostock, Margaret
 8 Bostock, Phebe
 9 Bostwick, Mary Virginia
 9 Boudin, Eleanor
 9 Bourne, Malcolm Graham
 Carlisle, Pa.
 South Pasadena, Cal.
 Elmira
 Guayama, P. R.
 Cleveland, Ohio
 Elmira
 Owego
 New York City
 Corona
 East Hampton, Conn.
 Cortland
 Shawnee, Okla.
 Glen Ridge, N. J.
 Troy
 Adams
 Washington, D. C.
 Hershey, Pa.
 Oxford
 Santurce, P. R.
 Moorestown, N. J.
 Brooklyn
 Ames, Iowa
 Cazenovia
 Oswego
 Buffalo
 Washington, D. C.
 Rochester
 Dayton, Ohio
 Brooklyn
 Honey Grove, Texas
 Ithaca
 Kingston
 Pottsville, Pa.
 Poughkeepsie
 Washington, D. C.
 New York City
 Elmira
 Campton, N. H.
 Homestead, Pa.
 Highland Park, Ill.
 Elizabeth, N. J.
 Richmond, Va.
 Wassaic
 Cleveland, Ohio
 Brooklyn
 Meadville, Pa.
 Dallas, Texas
 High Bridge, N. J.
 South Glens Falls
 Yonkers
 Olean
 Groton
 Forest Home
 New York City
 Brandywine, Md.
 Washington, D. C.
 New York City
 New York City
 Ithaca
 Windsor, Conn.
 Detroit, Mich.
 Pittsburgh, Pa.
 Forest Home
 Bluffton, Ohio
 West Liberty, W. Va.
 Birmingham, Iowa
 Waterbury, Conn.
 Troy
 Troy
 Pittsburgh, Pa.
 Buffalo
 Lehighton, Pa.
 Liberty
 Perth Amboy, N. J.
 Longmeadow, Mass.
 Glens Falls
 Bryn Athyn, Pa.
 Bryn Athyn, Pa.
 Brooklyn
 New York City
 Salamanca

- 9 Bowen, Edmund James
 9 Bower, Edmund Rockwell
 9, 5 Bower, Harold Ferdinand
 9, 4 Bowles, Robert Brigham
 1 Bowman, Evalina Pitcher
 9 Bowman, Florabelle Buehrle
 8, 7 Bowman, Florence R.
 9 Bowman, Maud Louise
 1 Bowman, Theodore
 9 Bradley, Edwin George
 9 Bradley, John Jewsbury, jr.
 8 Braem, Grace Carmen, B.A.C. (New York State), 1917
 9, 7 Braham, Olive Fern
 9 Braman, Chester Rounds
 9 Brand, Josephine, B. A. (Barnard), 1907
 9 Brandt, Mary Elizabeth
 9 Brantingham, Helen Louise
 8 Brasier, Grace
 9 Braymer, Clara Vivian, A.B. (Cornell), 1911
 9, 4 Braymer, George Irving
 5 Breck, Lawrence William
 8 Bredel, Clara Helen
 9 Breese, Lyman Malcolm
 8 Brewster, Irene
 5 Brewster, Oswald Cammann
 9 Brien, George Mandeville
 9 Brill, Kenneth Campbell
 9, 5 Brillinger, Henry Beitzel
 9 Brindle, Dorothy
 9 Brittain, Knox
 9, 5 Brockway, John Dunn
 9 Brooks, Frances Irene
 5 Brooks, Jay Tracy
 9, 4 Brosnan, John Ignatius
 9, 5 Brown, Cremer Francis
 9 Brown, Donald Selenus
 9 Brown, Laura Alice, B.L. (Smith), 1900
 9 Brown, Mary Raymond
 1 Brown, Randolph Milton
 5 Brown, Wesley Bennett
 3, 5 Bruckheimer, Alleyne Henry
 9, 5 Bruckner, Robert Earl
 9 Brumbaugh, Charles Howard
 8, 9 Brundage, Eva
 9 Brundage, Harriet
 9 Brunson, Beatrice Mary
 9 Bryhezynski, Charles Stanley
 9 Buchanan, Eugene Dwen
 9 Buck, Nellie Leona
 9 Buhle, Florence Catherine
 2 Bullen, John Nixon
 8, 7 Bullock, Benjamin Franklin, B.S. in Agr. (Minnesota), 1913
 9 Bullock, Elizabeth Brewster
 8 Bullock, Gerald Holister, B.S. (Pennsylvania State), 1919
 9, 5 Bumstead, Dale, jr.
 9 Bundy, Grace Adah
 8 Burch, Erma Rosetta
 9 Burger, Mildred
 8 Burgess, Emily C.
 9 Burke, Franklyn Emmett
 8 Burke, Stephen Francis
 9 Burlingame, Doris Zervia
 8 Burns, Agnes Eileen
 9 Burns, Helen Camilla
 9, 4 Burns, James Henry
 9 Burns, Noll Augustine
 8 Burr, Abigail Crutts
 8 Burrell, Anna Cobb
 8 Burroughs, Helen Josephine
 9 Bush, Clinton Vinal
 9, 4 Bush, Harold Watrous
 5 Bush, Ralph Raymond
 9 Bushman, Robert Petring
 9 Bussey, Gertrude M.
 8 Butler, Orval Theodore
 9 Butler, Ruth Elizabeth
 9 Butman, Harold Albert
 9 Butterfield, Algernon Sidney, jr.
 7 Buys, John Levenus
 9 Bycraft, Esther Hampton
 Huntington, Ind.
 Elmira
 Johnstown
 Houston, Texas
 Brooklyn
 Lancaster, Pa.
 Dryden
 Ithaca
 White Plains
 Bolivar
 Washington, D. C.
 Sag Harbor
 Harrisville, Pa.
 Cortland
 New York City
 Montgomery, Mo.
 Rockford, Ill.
 Brooklyn
 Granville
 Walton
 Pottsburgh, Pa.
 Buffalo
 Elmira
 Cornwall
 Boulder, Colo.
 Orange, N. J.
 Poughquag
 York, Pa.
 Waynesboro, Pa.
 Downsville
 Syracuse
 Pontiac, Mich.
 Hallstead, Pa.
 Washington, D. C.
 Cleveland, Ohio
 Greene
 Buffalo
 Chicago, Ill.
 Stapleton
 Sidney
 Buffalo
 Hastings-on-Hudson
 Orange, N. J.
 Weehawken, N. J.
 Weehawken, N. J.
 Enterprise, Miss.
 New York City
 Highland Park, Ill.
 Groton
 Scranton, Pa.
 Oconomowoc, Wis.
 Tallahassee, Fla.
 Honesdale, Pa.
 Canton, Pa.
 Oak Park, Ill.
 Trenton, N. J.
 Syracuse
 New York City
 Fredonia
 Rochester
 Green Island
 Killingly, Conn.
 Walton
 Ithaca
 Shelter Island
 Watertown
 Etna
 Norwich
 Seneca Falls
 Ithaca
 Warsaw
 Kingston, Pa.
 East Orange, N. J.
 Margaretville
 Horseheads
 Seymour, Conn.
 Buffalo
 Evansville, Ind.
 Sodus Point
 Ilderton, Ont., Canada

- 9 Byers, Ella Louise
 5 Byrd, Ralph Hamilton
 5 Cable, Jo Harnly
 9 Cadiz, Edwin Firth
 9 Caesar, Estelle
 7 Caldas, Octavio Brandas
 9 Caldwell, William Hughes
 7 Call, Irving Joslyn
 9, 8 Callahan, Ethel Beatrice, B.A. (Cornell), 1912
 9 Callan, Maynard Frank
 9, 4 Calloway, Robert Woodward
 9 Camp, Jessie Frances
 8 Campbell, Edna Dee
 9 Campbell, Emily Alva
 9 Campbell, Frank Lincoln, jr.
 9 Campbell, Georgena Leora
 9 Campbell, James Monroe
 9, 5 Campbell, John Joseph, jr.
 9 Campbell, Margaret Elizabeth
 9 Campbell, Nettie Bissell
 9 Campbell, Susie Cary
 9 Campion, Stephen Martin
 1 Cannell, Skipwith
 7 Card, Leslie Ellsworth, B.S. (Cornell), 1914
 9 Carey, Bruce Anderson
 9 Carey, Charles
 9 Carey, Irena
 9 Carey, Mary Frances
 9, 5 Carlson, Earl Leonard
 7 Carlson, Fred Albert, B.Sc. (Massachusetts) Agr., 1918
 9 Carmack, Ruth
 9 Carpenter, Arthur Alfred
 9, 5 Carpenter, Benjamin Palmeter
 9 Carples, Edmond Nathaniel
 9, 5 Carr, Edward Howard
 9 Carr, Hugh Roderick
 5 Carrasco, Juan Leopoldo
 5 Carson, James Reed
 9 Carrell, Darwin Faulk
 3, 9 Carrier, Egbert Wendell
 5 Carrington, Ralph Hermon
 9 Carry, Charles William
 9 Carson, Chalmers Stewart, A.B. (Michigan), 1919
 9 Carter, Lorraine Whitney
 9, 7 Carter, Miriam Cochran, A.B. (Mount Holyoke), 1912
 9 Cartwright, Marion Elizabeth
 2 Carver, Kenneth
 5 Cary, Edward Beverly
 9, 8 Case, Leslie Verne, B.S. (New York Univ.), 1905
 9 Case, Mary Margaret, A.B. (Pittsburgh), 1914
 9, 5 Casey, Mary Veronica
 9 Cashman, William Grasselli
 9, 5 Cassedy, William Fraser, jr.
 8 Casselle, Maud Winifred
 8 Catlin, Mary Cornelia, B.A. (Vassar), 1914, M.A. (Columbia), 1918
 8 Catlin, Mary Josephine
 8 Caulkins, Alice
 9, 7 Cavanaugh, Paul James, A.B. (Cornell), 1917
 8 Chace, Lydia Gardiner, Ph.B., A.M. (Brown), 1900, 1901
 8, 7 Chamberlain, Walter Edwin, B.S. (New Hampshire), 1916
 9 Chamberlain, Warren Miller
 9, 5 Chandler, Fred Charles, jr.
 9 Chang, Hsin Hai, B.A. (Johns Hopkins), 1919
 9 Chang, Lan-ko
 9 Chao, Yuen Ren, A.B. (Cornell), 1914, Ph.D. (Harvard), 1918
 8 Chapin, Leila, A.B. (Smith), 1911
 9, 2 Chapman, Harry Otis, jr.
 1 Chardon, Carlos Eugenio
 9 Charron, Philip Joseph
 9 Chase, Amos Prentice
 9 Chase, Russell Nichols
 5 Chaskin, Harold Seymour
 8 Cheesman, Grace Lucile
 9, 7 Chen, Che Kwei, A.B. (Cornell), 1918
 8 Chen, Chunjen Constant
 9 Chiavetta, Thomas Charles
 9 Chow, Sze Tsoong
 4 Christian, Joseph Howard
 8 Christian, Mildred Jane
 9, 5 Christianson, Christian
 Grafton, W. Va.
 Suffolk, Va.
 Lima, Ohio
 Brooklyn
 Brooklyn
 East Rio, Brazil
 Irwin, Pa.
 Stafford
 Binghamton
 Buffalo
 Baltimore, Md.
 Hamburg
 Newark
 Philadelphia, Pa.
 Omaha, Neb.
 Slippery Rock, Pa.
 Oklahoma City, Okla.
 New York City
 Ithaca
 Clarion, Pa.
 Montgomery, Texas
 East Orange, N. J.
 Cape May, N. J.
 Troy, Pa.
 Hamilton, Ont., Canada
 Mauch Chunk, Pa.
 Schenectady
 Rutherford, N. J.
 Smethport, Pa.
 Pittsfield, Mass.
 Phoenixville, Pa.
 North Bangor
 Washington, D. C.
 New York City
 Bayville
 New York City
 Temuco, Chile
 Pittsburgh, Pa.
 Allesin Park, Pa.
 Phoenix
 Oneonta
 Chicago, Ill.
 Struthers, Ohio
 Worcester, Mass.
 Boonton, N. J.
 Allentown, Pa.
 Brooklyn
 Roanoke, Va.
 Tarrytown
 Pittsburgh, Pa.
 Medina
 Cleveland, Ohio
 Newburgh
 West Coxsackie
 Brooklyn
 Odessa
 Naples
 Ithaca
 Providence, R. I.
 Waynesburg, Pa.
 Worcester, Mass.
 Cleveland, Ohio
 Washington, D. C.
 Peking, China
 Chongchow, China
 Port Chester
 Woodmere
 Ponce, P. R.
 Ithaca
 Norwich, Conn.
 Cleveland, Ohio
 New York City
 Andover
 Peking, China
 Washington, D. C.
 Brant
 Shanghai, China
 Millville, Pa.
 Johnson City
 Butler, Pa.

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|------|--|--------------------------|
| 1 | Chu, Lynn | Peking, China |
| 8 | Church, Eleanor Moore | Wellsville |
| 7 | Cintra, Luiz de Cergueira | Sao Paulo, Brazil, S. A. |
| 9, 4 | Cissel, Henry Howard | Washington, D. C. |
| 4 | Clapp, Robert Vernon | Cleveland, Ohio |
| 8 | Clare, Ruth Genevieve | Allegany |
| 9 | Clark, Eleanor Louise | Syracuse |
| 9 | Clark, Leila Anna | Montclair, N. J. |
| 9, 5 | Clark, Robert Gregory | Denver, Colo. |
| 5 | Clarke, Raymond Stuart, B.S. (Colgate), 1918 | Cochocton |
| 5 | Clarke, Warren Hines | Baltimore, Md. |
| 9, 5 | Clarkson, John Turner | St. Louis, Mo. |
| 9 | Clary, Thomas James | Seneca Falls |
| 9 | Clasussenius, Julia Christina | Chicago, Ill. |
| 8 | Clayton, Merrill Gerard | Trenton, N. J. |
| 8 | Cleaves, Lulu Bogardus | Meadow Brook |
| 9 | Cline, Gertrude Rosina | Hamilton, Ont., Canada |
| 9 | Clines, Anna Beatrice, A.B. (St.Elizabeth), 1913 | Ithaca |
| 9 | Clines, Mary Cecilia | Ithaca |
| 9 | Clouting, Jeannette | Sea Isle City, N. J. |
| 9 | Clynes, Edmund | Ithaca |
| 9 | Coates, Eleanor Ethel | Swarthmore, Pa. |
| 8 | Cobb, Harold Vernon, A.B. (Maine), 1914 | Corning |
| 9 | Cobb, Henry Blair | New York City |
| 9, 4 | Cobb, William Gerard George | New York City |
| 4 | Cochran, Thomas Fletcher | East Orange, N. J. |
| 9 | Coe, William Anzi | New Woodstock |
| 9 | Cohen, Adelaide Flora | Brooklyn |
| 8 | Cohen, Dora Gertrude | New York City |
| 9 | Cohen, Ida Vera | New York City |
| 9 | Cohen, Louise Albert | Nashua, N. H. |
| 9 | Cohen, Lucille Jeanette | New York City |
| 9 | Cohen, Miriam Florence | Brooklyn |
| 8 | Cohen, Pauline Ray | Brooklyn |
| 4 | Cohen-Contin, Jacob Selig | New York City |
| 9 | Cohn, Florence | New York City |
| 8 | Cole, Grace Willabel | Pope Mills |
| 9, 5 | Cole, Kenneth Watkins | Avon |
| 9 | Colley, Ethel Roberta | Greystone Park, N. J. |
| 9 | Colley, Helen | Bryn Athyn, Pa. |
| 5 | Collin, Henry Arthur | Plattsburg |
| 9 | Collins, Virginia Broatta | Oswego |
| 4 | Collum, Thad Lumpkin | Corsicana, Texas |
| 8 | Colony, Mary Elizabeth | Brooklyn |
| 1 | Colsten, Ronald | Binghamton |
| 9 | Colt, Leonard Beeber | New York City |
| 9 | Colville, Elsie Hildagarde, A.B. (Hunter), 1912 | Philipse Manor |
| 9 | Colwell, Elizabeth Winsor, A.B. (Vassar), 1905, A.M. (Radcliffe), 1907 | Boston, Mass. |
| 9, 5 | Combemale, Robert Yves | New York City |
| 7 | Comings, William Daniel | Middletown |
| 8 | Comstock, Charles Ward | Yorkville |
| 5 | Conable, Walter Ford | Jamaica |
| 9 | Conant, Emma Allen, B.S. (New York State), 1911 | Granville |
| 9 | Condit, William Chapin | Ithaca |
| 9 | Conklin, Ruth Emeline, A.B. (Mount Holyoke), 1918 | Iansville |
| 9 | Conlon, Mary Agnes | Ithaca |
| 2 | Conlon, William Sylvester, B.S. (Colgate), 1909 | Oswego |
| 8 | Connolly, Etta Genevieve | Stapleton |
| 8 | Conover, Annabel | Sherburne |
| 9, 4 | Conover, G. Elliott | Asbury Park, N. J. |
| 9 | Conroy, Edward Eugene | Ogden, Utah |
| 8 | Conway, Louise Hortense | Rochester |
| 9 | Cook, Arthur Norton, B.S. (Colgate), 1919 | Poultney, Vt. |
| 5 | Cook, Owen Shepard | Marinette, Wis. |
| 9 | Cook, Rosalind, Bach. Mus. (Ellsworth), 1911 | Webster City, Ia. |
| 4 | Cookingham, Waldo Beale, B.S. (Cornell), 1916 | Ellenville |
| 9 | Coolidge, James Henry | East Cleveland, Ohio |
| 9 | Coombs, Samuel Meade, jr. | Bridgeton, N. J. |
| 9 | Coon, William Hammill | Homer |
| 8 | Coons, George Edgar | Kingston |
| 9 | Cooper, Gladys Vera | Athens, Pa. |
| 9 | Cooper, Ray Sweet | Horseheads |
| 9, 5 | Cooper, Stuart William | Houghton, Mich. |
| 4 | Cooper, William Miller, jr. | Montclair, N. J. |
| 9 | Corby, George Bentley | Honeoye Falls |
| 4 | Cormack, Charles Marshall | Buffalo |
| 9, 4 | Corney, Blair Shipman | New York City |
| 9 | Cornwell, Ralph Thomas Kline, B.Chem. (Cornell), 1918 | Northumberland, Pa. |
| 4 | Cortese, Frank | Dunkirk |
| 4, 9 | Cortina, Cesar | Macariss, San Domingo |

- 9 Cortina, Victor
 8 Cossette, Romeo, B.S.A. (Oklahoma), 1914
 8 Costello, John Francis, B.A. (Grove City), 1910
 8 Cotton, Dorothy Anne, B.S. (Cornell), 1918
 5, 9 Coulter, Clarence Dally
 5, 9 Cover, Augustus Woodland
 Covert, Myra Elizabeth
 8 Coville, Alice Perkins
 7 Coville, Perkins
 5, 9 Cowan, John Marks
 9 Cowell, Edward Huntington
 5 Cowley, Rafael Mario
 9 Cowley, Raoul Faust
 8 Coyle, Anna Elizabeth
 8 Coyle, Mary Helen
 8 Cox, Bertha Virginia
 9 Cox, Jeannette, B.M. (North Carolina), 1916
 9 Cracco, Frederick Anthony
 9 Cragin, Bernice Willette, A.B. (Tufts), 1915
 9 Craig, John Wesley
 9 Craig, Ora Belle, A.B. (St. Lawrence), 1907
 9 Crance, Edna Almyra
 9 Crane, Perry Benson
 9 Craw, Ethelyn Carlisle
 9 Crawford, Robert Patterson
 7, 9 Cripps, Gladys Marie, A.B. (Bernard), 1918
 4 Criswell, Howard Donald
 8 Croach, Ethie Eliza
 9 Cromis, Marie
 5 Cropsey, Jaques Van Brunt
 9 Crosby, Helen
 8 Crosby, Mrs. Nellie Heck, Ph.B. (Keuka), 1900
 5 Cross, George Ernest
 8 Cross, Mrs. Josephine Groat
 9 Cross, Lowell Harold
 9 Crownover, Mayne Bernice
 5, 9 Croxton, Herbert Pease
 4, 9 Crusel, Cornelius Campbell
 5, 9 Cruz, Carlos
 1, 8 Cuervo-Troy, Jose Faustino
 9 Culley, Paul Gamber
 9 Cummings, George Witte
 8 Cummings, Madeline Louise
 5, 9 Cundell, John Vreeland
 9 Cunneen, Wallace Vincent
 9, 5 Cunningham, Benjamin Amos, jr.
 9 Cunningham, Emma Belle
 1, 9 Curchey, James Dodds
 9 Curran, Isabelle Gladys
 9, 8 Current, Jeannette Laurina, A.B. (Meredith), 1918
 9 Currier, Arnold John, A.B. (Colgate), 1915
 8 Currier, Isabel Esther
 5 Curry, Aubrey Ramon
 5, 9 Cushman, Robert Alden
 9, 8 Cutler, Zene Bliss
 9 Cutolo, Francis, jr.
 9 Cutter, Laurence Star
 9 Daily, Orville Guy
 1 Dain, Bryant Depew
 9 Dalton, John
 9 D'Ambrosi, Faust
 9 Danern, Agnes Teresa
 4, 9 Daniels, Francis Wallin
 9 Dann, Walter Rowling
 9 Dare, Florence Champion
 9 Darrow, Helen
 7 Darst, Williard Holden, B.S.A. (Pennsylvania State), 1910
 8 Davenport, Carrie Louise
 8 Davenport, Ella Eliza
 9 Davidson, Philip Langford
 9, 8 Davila, Rafael Miguel
 7, 8 Davis, Charles Louis, B.S. (Tennessee), 1900, M.S. (Wisconsin), 1912
 9 Davis, Clara Antoinette May
 8 Davis, Clara Celillus
 9 Davis, Edythe Estelle, B.A. (Hunter), 1903
 9 Davis, George Elton
 9 Davis, Harry Scutt
 9 Davis, Modelle Aldrich, A.Mus. (Lemoin), 1916
 5 Davis, Ralph Dayton
 5 Davis, Rowland Fenner
- Macaris, San Domingo
 Montreal, Canada
 Buffalo
 Ithaca
 Los Angeles, Cal.
 Baltimore, Md.
 West Park
 Ithaca
 Ithaca
 Hobart
 Athens, Pa.
 Havana, Cuba
 Havana, Cuba
 Scio
 Wellsville
 West Alexander, Pa.
 Winterville, N. C.
 Jersey City, N. J.
 Worcester, Mass.
 Portland, Me.
 East Providence, R. I.
 Ithaca
 Brooklyn
 Grand Rapids, Mich.
 Erie, Pa.
 Pleasantville
 Washington, D. C.
 Medina
 Washingtonville, Pa.
 Brooklyn
 New York City
 Ithaca
 Sterling, Pa.
 Gowanda
 Sterling, Pa.
 Denver, Colo.
 Massillon, Ohio
 New Orleans, La.
 Guatemala, C. A.
 Ithaca
 Ithaca
 Muskogee, Okla.
 Watertown
 Paterson, N. J.
 Port Jervis
 Yonkers
 Mount Pleasant, Pa.
 Dayton, Ohio
 Brooklyn
 Cleveland, N. C.
 State College, Pa.
 Plattsburg
 Nassau, Bahama
 Ithaca
 Ionia, Mich.
 Jamaica
 Cleveland, Ohio
 Chicago, Ill.
 Peekskill
 Schenectady
 New York City
 Cortland
 Gilbertsville
 New Haven, Conn.
 Pitman, N. J.
 Edinboro, Pa.
 Covington, Ohio
 Birmingham, Mich.
 Birmingham, Mich.
 Scranton, Pa.
 Brooklyn
 Austin, Texas
 Rochester
 Columbia, S. C.
 New York City
 Rochester
 Jermy, Pa.
 Hickory, N. C.
 Port Jefferson
 Herkimer

- 5, 9 Davison, Robert Otis
 9 Day, Carolyn
 9 Day, Theresa Mahlen
 8 Dayton, Elizabeth MacEwen
 8 Dayton, Ella Harriet
 9 Deal, Blanche Everette Elaine
 4, 9 Dean, Carl Emmett
 9 Dean, Helen Jenison
 8 DeGroot, Laura
 9 DeHart, Gladys Viola
 8 Deidrick, Raymond Jerbert
 8 Deisler, Gretchen Eleanor
 5, 9 Deitrick, Carroll Heiney
 9 DeLand, Helen Parce, B.L. (Smith), 1892
 4 Delaney, Frances Mary
 4, 9 DeLong, Homer Craig
 9 Demaree, Claire Rebecca
 5, 9 Demarest, Charles Albert
 8 Demarest, Jean
 9 Deming, Elliott Humphrey
 9, 8 Denneen, Joseph Bramsen
 9 Dennis, Gerald Munroe
 9, 8 Dennis, Hazel Vesta
 4, 9 Dennis, Olive Wetzel, B.A. (Goucher), 1908, M.A. (Columbia), 1909
 8 Denslow, Gladys May
 9 Denstone, Richard Douglass
 9 Denson, Eva Dell
 8 Dent, Alberta
 1 DePue, Robert Eadie
 7 Detwiler, John Detweiler, B.A., M.A. (Queens) 1912, 1913
 9 Deutsch, Ethel Eleanor
 8 Devine, Richard Henry
 9 Dewar, Joseph Kyle
 8 Dewey, Doris Bell
 9 DeWitt, Lillian Agnes
 9 DeWitt, Madolin
 9 Dicianni, Leo James
 9 Dickins, George Francis
 9 Dickinson, Bessie
 9 Dickinson, Dorothy Esther, B.A. (Wells), 1917
 9 Dickinson, Harriet Carleton, A.B. (Michigan), 1911
 1 Dickinson, John LeRoy, jr.
 9 Diehl, Clara Marie
 9 Diemer, Dorothy
 9 Dietrick, Josepha Elizabeth
 2, 9, 8 Dill, Florence Mary
 9 Dillard, Vassall Edgar
 9, 8 Dilts, Louise Eugenie
 8 Dimsey, Gladys Mather
 9 Dingle, Della Sara
 9 Disay, Eugene Marie
 9 Disbrow, Thelma N., B.A. (Wells), 1917
 2 Doan, Joseph Ellsworth, jr.
 7 Doan, Harold Seeley
 9 Doane, William Allison
 8 Dobbs, Mary Ella
 9 Doellin, Hans Alfred Adalbert
 9 Dominick, John Henry
 9 Donaldson, Stuart Shaw
 8 Donley, Robert Stephen
 9, 7 Donohue, Eleanor, A.B. (Hunter), 1909
 9 Donohue, Mary Veronica
 9 Doremus, Thomas Peter
 9 Dorrance, Henry Turner
 9 Dorrance, William Henry
 9 Dorsey, Bessie May
 9 Dorsey, May Evelyn
 4 Douglas, Damon Greenleaf
 9 Dowdle, Mary Cecelia
 9 Dower, Catherine Irene
 9 Downey, John Charles
 4 Drake, Paul Woodhull
 9 Dresser, Ivan Chandler
 9 Driscoll, Cecilia Catherine
 7, 9 Driscoll, Mary Agatha, A.B. (Radcliffe), 1904
 9 Driscoll, Teresa Margaret
 5 Driver, Wilbur J.
 4 Ducasse, Vidal
 9, 8 Duddy, Katharine
 9 Duff, Anne
- Bath
 Swarthmore, Pa.
 Council Bluffs, Iowa
 Adams
 Remsen, N. Y.
 Roanoke, Va.
 Corry, Pa.
 Dorranceton, Pa.
 Salisbury Mills
 Canaan, Conn.
 Owego
 New York City
 Watsontown, Pa.
 Fairport
 Watervliet
 Trumansburg
 Newport, Pa.
 Piermont
 New York City
 Middletown
 Buffalo
 Chicago, Ill.
 Baltimore, Md.
 Baltimore, Md.
 Boonville
 Erie, Pa.
 Trumansburg
 Auburn
 El Paso, Texas
 New York City
 New York City
 Albany
 Bellevue, Pa.
 Castile
 Brooklyn
 Lima
 Buffalo
 Philadelphia, Pa.
 Highland
 Barker
 Jackson, Mich.
 Hudson Falls
 Buffalo
 Philadelphia, Pa.
 Shickshinny, Pa.
 Buffalo
 Washington, Ind.
 Raritan, N. J.
 Highland
 Burlington, Ont., Canada
 Pittsburgh, Pa.
 Attica
 Coatesville, Pa.
 Pittsford
 Truro, N. S., Canada
 Ithaca
 New Rochelle
 Buffalo
 Toledo, Ohio
 Arcade
 North Egremont, Mass.
 North Egremont, Mass.
 Red Bank, N. J.
 Camden
 Camden
 Wheeling, W. Va.
 Carbondale, Ill.
 Richmond Hill
 Oswego
 Easthampton, Mass.
 Corry, Pa.
 Morristown, N. J.
 Ithaca
 Ithaca
 Lawrence, Mass.
 Ithaca
 New York City
 Havana, Cuba
 Newark, N. J.
 Belle Vernon, Pa.

- 1 DuMond, Frank Lee
- 5 Duncan, Gilbert Wade
- 5, 9 Dunham, George Shellabarger
- 7 Dunlap, Vining Campbell, A.B. (Bates), 1914
- 8 Dunn, Floyd Lewis
- 9 Dunn, Lillian Cecilia, A.B. (Cornell), 1903
- 9 Dunn, Margaret Frances
- 8 Dunn, Marjorie
- 9 Dunn, Myrtle Ann
- 9 Durward, Alice Jessie Lindsay, A.B. (Mount Holyoke), 1911
- 5, 9 Duryea, Leslie Noyes
- 5, 9 Dutton, Audley Reynolds
- 5, 8 DuVall, Eleanor Hardenbergh
- 9 Dyckman, Richard Pluymert
- 8 Dysinger, Albert Duane
- 5 Eagle, Evelyne Shawe
- 9 Earl, Robert, jr.
- 8 Early, James Marshall
- 7, 8 Eason, Thomas Dotterer, B.S. (Clemson), 1907
- 9 Eastham, Amy Ruth, A.B. (Syracuse), 1915
- 9 Eastman, Catherine Annette, Ph.B., M.A. (Syracuse), 1906, 1917
- 5, 9 Eberhardt, Frederick Gordon
- 7, 9 Eberhardt, Rose, A.B. (Hunter), 1918
- 9 Echemendia, Arthur Pelayo, Ph.D. (Havana), 1912
- 9 Echeverri, Ricardo Camilo
- 8 Ecke, Cornelia Katherine
- 9, 5 Eckerson, Harold Irving
- 9, 6 Eckley, Paul Witherspoon, A.B. (Cornell), 1917
- 9 Edsell, Ralph James
- 3, 9 Edwards, John Chubbuck
- 7, 9 Edwards, Margaret Messenger, B.S. (Montana), 1912
- 1 Eger, Bernard Albert
- 8 Eighmey, Leah Williams
- 1 Eiler, J. Scott
- 5, 9 Elkan, Stanley Abe
- 5, 9 Elli, Eduardo Luis Enrique
- 5, 9 Elliott, Irving Miller
- 5, 9 Ellis, Dewey Dorchester
- 5, 9 Ellis, William Douglas
- 9 Ellsworth, Emma Miller
- 9 Elsworth, Cleon
- 9 Elwell, Jennie Evalyn
- 9 Emeis, Fanny Lea, A.B. (Cornell), 1911
- 8 Emerson, Thera
- 9 Emrick, Gladys
- 4, 9 Engel, Samuel
- 9 England, Maude Ridgely
- 8 Ensing, Martin Russell, B.S. (Utah), 1912, M.S. (Cornell), 1918
- 5, 9 Ensworth, George Frederick
- 9 Eppes, Eva Taylor
- 9 Epstein, Harold
- 5, 9 Erickson, Eric Sigfrid
- 4, 9 Erickson, Rudolf Thure
- 8 Erion, Katherine
- 8 Ersley, Minnie, B.S. (Alfred), 1914
- 9 Erust, Elsa Sophie
- 8 Esner, Pauline
- 3, 9 Estes, Wellborn
- 5, 9 Estey, Stephen Merritt
- 7, 9 Ettinger, Walter O., B.S. (Muhlenberg), 1915
- 7, 9 Evans, Mary Hart, B.A. (Tennessee), 1917
- 9 Everett, Clara Jane
- 7 Everitt, John Samuel, B.S. (Cornell), 1917
- 9 Eves, Margaret Evans
- 5 Eyrich, Paul Reber
- 7 Eyster, Lewis Arthur, A.B. (Bucknell), 1917
- 7 Eyster, William Henry, A.B., A.M. (Bucknell), 1914, 1915
- 9 Fabel, Donald Criston
- 9 Fahlberg, Grace Sara Mathilda
- 5, 9 Fairchild, Frank Earle
- 5, 9 Fairfax, Charles Crittenden
- 9 Falls, Gertrude Hamilton
- 1 Fanaberia, Efim Isofovitch
- 9 Farlow, Florence Marie, B.A. (Rochester), 1915
- 9 Farr, Muriel Eldra
- 5, 9 Farrington, William Jennison
- 9 Faulhaber, Malcolm
- 7, 9 Fawcett, Walton Baker, B.S., M.S. (Hamilton), 1911, 1914
- 9, 5 Fayer, Charles
- 9 Fee, Kate Hamilton
- Kingston
- Pittsburgh, Pa.
- Chicago, Ill.
- Bowdoinham, Me.
- Brushton
- Brooklyn
- Minersville, Pa.
- Albany
- Tahoka, Texas
- Claremont, N. H.
- Auburn
- Ithaca
- Napanoch
- Orange, N. J.
- Rochester
- Chicago, Ill.
- Herkimer
- Oswego
- Richmond, Va.
- Spencer
- Albany
- Newark, N. J.
- New York City
- Matanza, Cuba
- Bogota, Colombia, S. A.
- Bellevue, Pa.
- Akron
- New Kensington, Pa.
- Cedarhurst
- Hastings-on-Hudson
- Jacksonville, Fla.
- Walton
- Cohoes
- Pittsburgh, Pa.
- Macon, Ga.
- Santiago del Estero, Argentina, S. A.
- Baltimore, Md.
- Albany
- Atlanta, Ga.
- Binghamton
- Port Ewen
- Newark Valley
- Davenport, Ia.
- Ithaca
- Shamokin, Pa.
- Brooklyn
- Rockville, Md.
- Spencer
- Westfield, Mass.
- Stony Creek, Va.
- Brooklyn
- Brooklyn
- Harrison
- Buffalo
- Greenwood
- Pelham
- Brooklyn
- St. Louis, Mo.
- Manlius
- Hazleton, Pa.
- Knoxville, Tenn.
- Gouverneur
- Sayre, Pa.
- Millville, Pa.
- Phoenixville, Pa.
- Fishers Ferry, Pa.
- Cortland
- Cleveland, Ohio
- Brooklyn
- Brooklyn
- Geneva
- Westfield, N. J.
- Brooklyn
- Rochester
- Cranberry Creek
- New York City
- New York City
- Ridgewood, N. J.
- Elmhurst
- Moers

- 1 Feeham, Hugh Vincent Ithaca
- 9 Feldmann, Mina Louise Brooklyn
- 9 Fenner, Gertrude E. Southworth Holley
- 9 Ferguson, Lucretia Hinkley Buffalo
- 9 Ferguson, Margaret, A.B. (Vassar), 1911, A.M. (Michigan), 1918 Buffalo
- 8 Fern, Anna Louise Norwich
- 9, 5 Fernandez, Manuel Jose New York City
- 9 Ferres, Walter Dean, jr. Ridgewood, N. J.
- 8 Ferrier, Elsie Harriette Albany
- 9 Ferris, Ida Myldred Poplar Ridge
- 9 Ferris, Seymour Washington Springfield, Mass.
- 5 Fether, Donald Wilfrid Los Angeles, Cal.
- 9 Fetterhoff, Flo Jessie Tyrone, Pa.
- 5, 9 Field, Alden Waterbury Kalamazoo, Mich.
- 8 Field, Malcolm Hinrichs Brooklyn
- 7 Fife, Ray, B.S. (Ohio State), 1909 Columbus, Ohio
- 8 Filer, Henrietta C. Arcade
- 7, 9 Finck, Margaret, A.B. (Vassar), 1917 New Market, Va.
- 9 Fine, Estelle New York City
- 9 Fine, Sara New York City
- 9, 8 Finegan, Anna Veronica Rochester
- 8 Finegan, Laura Evangeline, A.B. (Michigan), 1917 Rochester
- 5, 9 Fingado, Gustav Albert Rosebank
- 9 Finken, Ottillie, B.S. (New York), 1910 Brooklyn
- 9 Finlay, Margaret Curtin, B.S., M.A. (Columbia), 1902, 1909 New York City
- 7 Finneran, John Leo, B.S. (Cornell), 1918 White Lake
- 9 Fisch, Belle Frances New York City
- 1, 9 Fischer, Charles William Atlantic City, N. J.
- 9, 8 Fischer, Walter, B.S., M.A. (Ohio State), 1897, 1905 Canton
- 9 Fish, Elinor Mary, B.A. (Cornell), 1909 Ithaca
- 9 Fishberg, Ella Harriet New York City
- 4, 9 Fisher, Harold Snedaker Buffalo
- 8 Fisher, (Mrs.) Helen, Ph.B. (Utah), 1907 Vergennes, Vt.
- 9 Fisher, Henry Clayton Pittsburgh, Pa.
- 9 Fisher, Leicester Wright Huguenot Park
- 8 Fisher, Lucy Young, A.B., Pd.B. (Syracuse), 1918 Sidney
- 9 Fisher, Mary Leota Bloomsburg, Pa.
- 8 FitzGerald, Helen Albina New York City
- 9 Fitzgerald, Mary Olean
- 4 Fitzpatrick, Paul Early Buffalo
- 9 Fix, Frederick William Chicago, Ill.
- 9 Flaherty, Eugene Francis, B.A. (Colgate), 1911 Hamilton
- 9 Flanagan, Nellie Layland Pittsburgh, Pa.
- 7, 9 Flather, Alice Virginia, B.A. (Cornell), 1917 Nashua, N. H.
- 9 Flatow, Hannah Brooklyn
- 8 Flatow, Sophia Brooklyn
- 5, 9 Flautt, John Solon Aurora, Mo.
- 8 Flaven, Madeleine Mary Erie, Pa.
- 9 Fleming, Ethel Marie Pittsburgh, Pa.
- 9 Flint, Joseph Howard Athens
- 5, 9 Florio, Anthony John Cobleskill
- 7, 8 Flowers, Clarence Richard, B.S. (Colgate), 1919 Ontario Creek
- 8 Fogarty, Catherine Elizabeth, A.B. (Smith), 1902 Brooklyn
- 9 Fogg, Russell Harding Toledo, Ohio
- 9 Folks, Evelyn E. Yonkers
- 9, 7 Folsom, Dorothy Louise, A.B. (Maine), 1918 Norridgewock, Me.
- 8 Folsom, Frances Louise Buffalo
- 9 Foote, Grace Leona, Ph.B. (Wesleyan, Conn.), 1900 Heart Lake, Pa.
- 1 Force, Albert William Ithaca
- 9 Ford, Edith Lulu Rockville, Md.
- 9 Forero, Manuel Jorge Lima, Peru
- 4, 9 Forster, Murrill Hamilton Buffalo
- 9 Forsyth, Anne Louise, B.L. (Smith), 1901 Claremont, N. H.
- 9 Fosbinder, Ruth Elizabeth Bangor, Pa.
- 9 Foster, Electa Lucena Webster
- 8 Foster, Hanna Louise Trenton, N. J.
- 4, 9 Foster, Willard Stillwell Rutherford, N. J.
- 9 Fowler, Florence Kathryn Watstown, Pa.
- 9, 5 Fowler, Roland George Newfield
- 8 Fox, Jeannette Minnie Mayerowitz Buffalo
- 9 Fox, St. Elmo Huntington, W. Va.
- 4 Fox, Willoughby Beresford New Orleans, La.
- 9 Frail, Hugh, jr. Johnson City
- 9 Franey, Florence Buffalo
- 9, 8 Frank, Mary Irene Oil City, Pa.
- 9 Frank, Ruth Anna Arcade
- 9 Franks, Ruth Brooklyn
- 5 Fratanonno, Frank Antony, jr. Philadelphia, Pa.
- 9 Fredericks, Walter Henry Cleveland, Ohio
- 9 Fredericks, Elizabeth Minerva Pottsville, Pa.

- 5, 9 Freeman, Ralph Francis
 5, 9 Frenaye, William Eagleton, jr.
 9 French, Carrie Isabelle
 5 Freuchen, Thord Harrie
 9 Friedlich, Robert Emanuel
 9 Friedman, Shirley
 9, 5 Fritzsche, Alfred Louis, jr.
 9, 7 Frost, Walter Sprague, B.S. (Tufts), 1912
 1 Frucht, Arthur Israel
 9 Fry, Nellie Luella
 9 Fuchs, William
 9 Fuehner, Wilda
 8 Fuhrman, Emily Rose
 5, 9 Fuller, William Harrison, jr.
 8 Futterer, Frederick Francis
 4, 9 Gaffron, Carl William
 7, 9 Gagne, Charles, B.L., B.S.A. (Laval), 1919
 7, 9 Gaiss, Aloysius Joseph, Ph.B. (Alfred), 1918
 9 Galbreath, Mitchell Tift
 9 Gale, William McClure
 9, 5 Gallagher, Dean Hasbrouck
 9 Galliciez, Helen Irene, A.B. (Smith), 1916
 8 Galler, Emma
 9 Gallivan, Peter Coleman
 9 Gallman, Waldemar John
 5, 9 Garden, Nelson Barker
 9 Gardinier, Douglas Elton
 9 Gardner, (Mrs.) Etta Anna
 9 Garfield, Evelyn
 9 Garlick, Edith Shaw
 8 Garrison, Henry Munson
 9 Garrison, Sarah Corinne
 5, 9 Gately, Lewis Brown
 8 Gates, Catherine Louise
 5 Gates, Edward Crossett
 9 Gates, Helen May, B.A. (Mount Holyoke), 1909
 9 Gatwood, Elden J.
 9 Gauger, William Henry
 9 Gehman, Harold Bomberger
 8 Geisenhoff, Ruth
 5 Gennis, Milton H.
 7 Gentry, Charles Burt, A.B. (Warrensburg), 1911, S.B. in Ed. (Chicago), 1912
 9 Genung, Catherine Irene
 7, 9 Georgia, Frederick Raymond, B.Chem. (Cornell), 1915
 9 Gerhard, Martha Eleanor
 5 Gerken, Edward Ridley
 9 Gerow, Lillian Frances
 9 Gerrish, Stanley Small
 9 Gershoy, Leo
 9 Getty, Annie Graham
 5, 9 Gibb, John Collins
 5 Gibbon, William Rose
 8 Gibson, Ida Virginia, B.S. (Skidmore), 1919
 1 Gifford, Harold Benedict
 9 Gilbert, Carl Frederick
 9 Gillam, Gertrude Asenath
 9 Gillespie, George Earl
 9 Gillespie, Louis Frank
 7 Gillett, Roy Lewis, B.S. (Cornell), 1917
 5, 9 Gillette, Kenneth Gordon
 5 Gillies, George Matthew
 7 Gillis, Merl Conrad, B.S.A. (Purdue), 1917
 9 Gillis, Helen, B.A. (George Washington), 1912
 9 Giordano, Emma Teresa
 9 Glann, Mary Jane, A.B. (Oberlin), 1914
 9 Glant, Mary Helen
 9 Glaze, Tranie Elizabeth
 9 Gleason, Elizabeth
 9 Globus, Isabel, A.B. (Hunter), 1919
 9, 8 Glover, Josephine Martinette
 5, 9 Goessling, Albert Alston
 9 Goff, Edith Adelaide
 7, 9 Goldbaum, Jesse, A.B. (Cornell), 1919
 9 Goldberg, Elias
 9 Goldberg, Lillie
 9, 8 Goldfrank, Dr. Fred, A.B. (Harvard), 1899, M.D. (Columbia), 1903
 9 Goldman, Lillian
 9 Goldsmith, Harold Ellsworth
 9, 5 Goldstein, Samuel Joseph
 5, 9 Goldstein, William
 Mendham, N. J.
 Colorado Springs, Colo.
 Unadilla
 Bergen, Norway
 Rochester
 New York City
 Cleveland, Ohio
 Ithaca
 Brooklyn
 Indianapolis, Ind.
 New York City
 Oklahoma City, Okla.
 Boonville
 Silver Creek
 Albany
 St. Louis, Mo.
 Saint Gilles, Lotbiniere, Canada
 Corning
 Brooklyn
 New York City
 Syracuse
 Watertown
 Brooklyn
 Buffalo
 Wellsville
 Cleveland, Ohio
 Herkimer
 Portland, Ore.
 New York City
 Paterson, N. J.
 Phelps
 Bloomsburg, Pa.
 Brooklyn
 Maine
 Crossett, Ark.
 Scranton, Pa.
 Albion, Ind.
 Buffalo
 Lancaster, Pa.
 Oneida
 Dolgeville
 Springfield, Mo.
 Indiana, Pa.
 Ithaca
 Lancaster, Pa.
 Brooklyn
 Boston, Mass.
 Portland, Me.
 New York City
 Washington, D. C.
 Ithaca
 Los Angeles, Cal.
 East Durham
 Cranberry Creek
 Ithaca
 Lockport
 North Tonawanda
 Springfield, Ill.
 Colden
 Grahamsville
 Elizabeth, N. J.
 South Bend, Ind.
 Washington, D. C.
 New York City
 Cortland
 Bareville, Pa.
 Watsonstown, Pa.
 Kansas City, Mo.
 Brooklyn
 East Randolph
 Mount Vernon
 Ithaca
 Brooklyn
 London, England
 New York City
 Stamford, Conn.
 Brooklyn
 Mechlenburg
 New York City
 Brooklyn

- 9 Good, Herbert Franklin Dayton, Ohio
 9 Goodfellow, Margaret Indiana, Pa.
 1 Gordon, George Benedict Chappaqua
 9 Gorsuch, Gertrude Louisa Fork, Md.
 7, 8 Gow, Grace Marie, A.B. (Upsala), 1917 Kenilworth, N. J.
 9 Grabowski, Stanley Edward Schenectady
 7, 9 Graham, Vi Arvin, B.A., M.A. (Columbia), 1917, 1918 Ithaca
 9 Graley, Henry Harnisch Syracuse
 8 Graunn, (Mrs.) Ella Foster Trenton, N. J.
 9 Grant, Ethel Marie Trevorton, Pa.
 9 Grant, George Curtis Akron, Ohio
 4, 9 Grantz, Walter Anton Henry Brooklyn
 7, 8 Graybrook, Irene, A.B. (Indiana), 1915 New Albany, Ind.
 9 Green, Charles Emmitt Marion, Ohio
 9 Green, Eloise, A.B. (Syracuse), 1914 Middlesex
 9, 8 Green, Irene Ella Philadelphia, Pa.
 9 Greene, Lewis Brooklyn
 9 Greene, Marian Elizabeth New York City
 8 Greene, Stanley Smith, B.S. (Cornell), 1915 Cobleskill
 9 Greenwood, Anita Fae Indianapolis, Ind.
 9 Greenwood, Ruth Phillipsburg, N. J.
 9 Gregory, Nellie Bernice Atlantic City, N. J.
 5, 9 Grider, Alexander Thomas H. Ithaca
 9 Griffin, Carroll Eskert Columbus, Ohio
 8 Griffin, Mary Agnes Brooklyn
 9 Griffith, Ella Porter Madison, Ind.
 8 Griffith, Florence Mayer Clayton, Mich.
 9 Griffith, Sarah Catherine Moscow, Pa.
 7, 9 Grimm, Jay John, B.S. (Grinnell), 1910 Gainesville, Fla.
 5, 9 Griswold, Arthur Stewart Rocky Hill, Conn.
 9 Griswold, Demetrius Wilbur Ithaca
 7, 9 Griswold, Grace Hall, B.S. (Cornell), 1918 Grand Rapids, Mich.
 8 Gritz, Rose Jean, B.A. (Hunter), 1919 New York City
 9 Groene, William Ellsworth Cincinnati, Ohio
 9 Grooby, Mabelle Mary Phillipsburg, N. J.
 9 Groppel, Clara Clintonia Baltimore, Md.
 8 Gross, Cornelia Miriam New York City
 9 Grossman, Henriette Frances Buffalo
 9 Grove, John Nelson Williamsville
 9 Grupe, Erma Christina Schenectady
 5 Guest, Wesley Tate Silver Creek
 7, 8 Guilbeau, Preston Lewis, B.S. (Louisiana), 1890, LL.D. (Tulane), 1891 Baton Rouge, La.
 8 Guild, Loren Julius Rockwood, Ont., Canada
 9 Williams, Mary Ellen Crawfordville, Ind.
 4, 9 Gumboldt, Frank William Katonah
 9 Gunnison, Isabelle Victor
 7, 9 Gutches, Mrs. Sara Adelaide, A.B. (Michigan), 1909 Bridgeport, Conn.
 9 Guthrie, Nancy Todd, A.B. (Blairsville), 1903 Avonmore, Pa.
 5, 9 Gutierrez, Raul Havana, Cuba
 8 Haehnle, Frances Dorothy Far Rockaway
 9 Haertler, Leonard Baum Columbus, Pa.
 7, 8 Hafer, Edna Newman, A.B. (Wilson), 1911 Chambersburg, Pa.
 9 Halbert, Leah Dorothy Cincinnati
 9 Hall, Elizabeth Putnam, A.B. (Oberlin), 1919 Worcester, Mass.
 5 Hall, Maynard Erwin Gloversville
 9 Hallenbeck, Fred Hile Durham, N. C.
 9 Halpern, Max Brooklyn
 9 Halstead, Edwin Elisha Warren, Ohio
 9 Hamilton, Laura May Brooklyn
 9 Hamlin, Edith Walton, Mus. Bach. (Syracuse), 1890 Philadelphia, Pa.
 9 Hammett, Walda Gertram Portland, Me.
 5 Hammond, Reginald Gower Chicago, Ill.
 9 Hance, Francis Eval Pleasantville, N. J.
 8 Hancock, Alfred Graham Hamburg
 9 Handel, Jayne New York City
 9 Hanhart, Eunice Harvey, B.A. (Hunter), 1916, M.A. (Columbia), 1918 Brooklyn
 8 Hanson, Alice Danforth Baltimore, Md.
 8 Hanson, Minnie Josephine Jamestown
 1 Happ, George Bippus Port Jervis
 9, 8 Hardell, Lelia Bailey Washington, D. C.
 9, 8 Harden, James Henry Brooklyn
 9 Harding, Frances Maud Quincy, Ill.
 9 Hardy, John Everett Oil City, Pa.
 9 Haring, Deles Walker Buffalo
 1 Harkness, Donald Daniel Elba
 9 Harper, Grant Glencoe, Ill.
 5, 9 Harrington, Howard Lewis Niagara Falls
 9 Harrington, Norman Spencer Cleveland, Ohio
 9 Harris, Edna Upper Montclair, N. J.
 9 Harris Pauline, A.B., A.M. (Michigan), 1911, 1916 Pontiac, Mich.

- 9 Harrison, Adelaide Bruen
 9 Harrison, Arthur Millard
 4, 9 Harrison, Bernard James
 9 Hart, Eleanor Rebecca
 9 Hart, John
 9 Hartin, Nina Laura, B.A. (Mount Holyoke), 1918
 9 Hartt, Harold Arthur
 8 Harvey, Roy Newman, B.S. (New York), 1914
 4 Hasbrouck, Carl Jay
 9, 8 Hassler, Miriam Adelaide
 9 Hatch, Arthur Gould
 8 Hatfield, Helen Cloyes
 5, 9 Havey, Joseph Perry
 9 Hawkins, Mary
 9 Hawley, Frank Wesley, B.S. (Northwestern), 1917
 9 Hawley, (Mrs.) Florelle Gore, A.B., A.M. (Northwestern), 1916, 1917
 9 Hawley, Lily
 9 Hawn, Hazel Esther, A.B. (Syracuse), 1919
 5, 9 Hayner, George Arthur
 9 Hays, Charles H., jr.
 5, 9 Hazell, Cyril Ebenezer
 9 Head, Clarence Chaddock
 9 Head, Myrtle
 5, 9 Healy, Josel Watres
 8 Healey, Lolita Evelyn, A.B. (Radcliffe), 1913
 1 Heard, Randolph Alfred
 5, 9 Heath, William Russell
 9, 8 Hebbard, Beatrice Irene
 8 Heffernan, Loretto Catherine
 8 Heffernan, Mary Margaret
 9 Heid, Katherine Oyler
 9 Heinzerling, Amy Anderson
 8 Helfman, Fay, B.S. (Columbia), 1914
 9 Helmken, Bertha Catherine, B.A. (Adelphi), 1915
 9 Helps, Andrew James Ronald
 7 Hendee, Daniel Kelly
 7 Henderson, Lena Bondurant, B.S. (Tennessee), 1903
 8 Henderson, Maud Wells
 7 Hendrickson, Arthur Howard, B.S. (Michigan Agri.), 1913
 8 Hendryx, Olga May
 5, 9 Hengerer, Howard Betts
 5, 9 Henkle, Curran Winslow
 9 Henry, Lillian
 9, 8 Henry, Mary Katharine
 8 Henry, Truby Louise
 8 Henquembourg, Edward Grant
 9, 8 Herbert, Paul Anthony
 7, 9 Herrick, Millie Belle, A.B. (Elmira), 1894
 4 Herriman, Morris Whitney
 9 Hess, Homer Franklin
 7 Hess, Walter Norton, A.B. (Oberlin), 1913, A.M. (Cornell), 1916
 7 Hettich, Ernest Leopold, A.B. (Cornell), 1919
 9 Hewitt, Richard M., B.A. (Wesleyan) Conn., 1914, M.A. (Princeton), 1917
 9 von Heygendorff, Leo
 9 Hickling, Susan Josephine
 9 Hieber, Dorothy Barbara
 7, 9 Hieber, Evelyn Margaret, A.B. (Cornell), 1918
 9 Hieber, John Theodore
 9 Higbee, Eugene Perdue
 2, 9 Higgins, Margaret Paine
 8 Hill, Adelaide, A.B. (New York State), 1918
 9, 8 Hill, Amie Wolfe
 12, 2 Hill, Boyd Tinsley
 9, 8 Hill, Carolyn Anderson
 9 Hill, George Leroy
 8 Hill, Grace Irma
 8 Hill, Herbert Staples, B.A. (Maine), 1905
 5 Hill, Leland Halsey
 8 Hilman, Mary Josephine
 9 Hinderer, John George
 9 Hirds, Mila Adele
 5, 9 Hinrichs, Frederick
 9 Hutson, Caryl Blaine
 9 Hitchcock, Louise Sroufe
 9 Hitzel, Beulah Cooke
 9 Hively, Katherine Allan
 9 Ho, Yuan Huang, A.B. (Cornell), 1917
 5, 9 Hoag, Philip Osborn
 5, 9 Hobart, Alfred Logan
 8 Hobby, Annie Cable
- Brooklyn
 Oxford
 Brooklyn
 Warren, Ohio
 Charleston, W. Va.
 Auburn, Me.
 Ravena
 Ithaca
 Highland
 Fort London, Pa.
 Rochester
 Ithaca
 Yonkers
 North Adams, Mass.
 La Grange, Ill.
 La Grange, Ill.
 Brooklyn
 Evans Mills
 Dayton, Ohio
 North East, Pa.
 Alpena, Mich.
 Ithaca
 Cleveland, Ohio
 Scranton, Pa.
 Ithaca
 Ithaca
 Hamburg
 Brockport
 Cazenovia
 Delphi Falls
 Columbus, Ohio
 Statesville, N. C.
 Brooklyn
 Brooklyn
 Upper Montclair, N. J.
 Hornell
 Knoxville, Tenn.
 Warsaw
 Berkeley, Cal.
 Johnson
 East Orange, N. J.
 Chicago, Ill.
 Millville, N. J.
 Bloomsburg, Pa.
 Rochester
 New York City
 New York City
 Binghamton
 River Forest, Ill.
 Conway, Ark.
 New York City
 Brooklyn
 Middletown, Conn.
 Ithaca
 Edmeston
 Utica
 Utica
 Utica
 Cleveland, Ohio
 Springfield, Mass.
 Port Chester
 Philadelphia, Pa.
 Freeport, Ill.
 Cambridge, Mass.
 Steubenville, Ohio
 Oberlin, Ohio
 Orono, Me.
 Ozone Park
 Binghamton
 St. Paul, Minn.
 Plattsburg
 Milwaukee, Wis.
 Norwalk, Conn.
 Washington, D. C.
 Buffalo
 Houston, Texas
 Wuehang, China
 Newark, N. J.
 West Springfield, Mass.
 Brooklyn

- 8 Hochenberger, Lillian Belle, A.B. (Smith), 1911
 9 Hodgkin, Kathleen Isabelle, A.C.M. (Dana Med. Inst.), 1919
 9 Hoel, Archie Bernhard, B.A. (Montana), 1916
 4, 9 Hoff, Trygve Waldemar
 9 Hoffman, Anna Jeannette
 1 Hoffman, Harry Brooks
 9 Hogle, Hollis Elbridge, jr.
 7, 9 Hoisington, Louis Benjamin, A.B. (Oregon), 1914
 9 Holcomb, Jean Louise
 8 Holden, May
 9 Hollander, Bertie Viola
 8 Hollenbeck, Iva Beatrice
 8 Hollis, Arthur
 9 Hollis, John Coonley
 9 Hollis, William Carroll
 9 Hollister, Marguerite Hamilton
 9 Holmes, Major Edward, A.B. (Indiana), 1908, A.M. (Cornell), 1910
 5, 9 Holmes, Percy Robert
 9 Holmes, Rhoda Mae
 8 Holmwood, Harry Freeman
 9 Holroyd, Ella Lively
 8 Holt, Laura Louise
 9 Holt, Thomas Baird
 9 Holt, William Stull
 9 Holz, (Mrs.) Genevieve Murphy
 9 Holzbaur, Emily Augusta, Mus. Bach. (Pennsylvania Music), 1901
 5 Homan, Carroll Livingston
 9 Homet, Beatrice Frances
 7, 9 Hook, Alonzo Lohr, A.B. (Elon), 1913
 5, 9 Hooker, Douglas Lannin
 9 Hooker, Russell Olin
 8 Hoover, Mary Louise
 7, 8 Hopkins, Edwin Fraser, B.S. (Cornell), 1915
 1 Hopkins, Sydney Watson
 8 Hopkins, Villa Jeannette
 5, 9 Horrell, Stephen Byrd
 9 Horton, Harry David
 9 Horton, Roca Augusta
 9 Hoshall, Harry Benton, B.S. (Maryland State), 1908
 7, 9 Hoskins, Edwin Raymond, B.S. (Cornell), 1919
 9 Hotchkiss, Clarence Francis, jr.
 9 Houck, Robert Charles
 4 Hough, Floyd Woodworth
 7, 8 Hover, John Milton, B.S. (Chicago), 1919
 7, 9 Howard, Lucy Mary, A.B. (Cornell), 1916
 9 Howe, Marion Alice
 5 Howe, Thomas Miller
 8 Howe, William Augustus, A.B. (Hobart), 1915
 4, 9 Howell, Charles James
 9 Howell, Ehret
 9 Howell, John Titus, jr.
 9 Howell, Luanna Pauline
 8 Howland, Martha, A.B. (Vassar), 1914
 9 Hoy, David Fletcher
 4, 9 Hoyt, Lawrence Wibirt
 9 Hoyt, Nelson Landon, jr.
 9 Hsu, Chang Hsu, B.A. (Clark), 1919
 9 Hu, Julie Tsu
 5 Hubbell, Henry Willard
 9 Huetger, Helene
 4, 9 Hugger, Albert Joseph
 1 Hughes, Gertrude
 5, 9 Hughes, Peter Francis
 9 Huhn, Constance
 8 Hulbert, Judson
 9 Humphrey, Mary Elizabeth
 5, 9 Humphrey, Richard Frederick
 9 Humphreys, Lula May
 4, 9 Hunkin, Alger Eugene
 9 Hunter, Eliza Ann
 9 Huntling, Ella
 9 Hurlbut, John Browning
 9 Hurt, Lois
 9 Hurty, Kathleen Elizabeth, B.A. (Bernard), 1907
 2 Huszagh, Ralph Donald
 9, 8 Hutchings, Verne Uriah
 4, 9 Huyck, Ralph Slater
 8 Hyde, Harriette, B.A. (Wellesley), 1915
 8 Hyde, Katherine Elisabeth, A.B. (Elmira), 1919
 9 Hyde, Stuart Noble
- Union Hill
 Youngstown, Ohio
 Spring Valley, Wis.
 Montclair, N. J.
 New Cumberland, Pa.
 Elmira
 Utica
 Ithaca
 Towanda, Pa.
 Buffalo
 Newark, N. J.
 Jamestown
 Whitesboro
 Concord, N. H.
 New York City
 Ithaca
 Kempton, Ind.
 Warwick
 Ithaca
 Orchard Park
 Athens, W. Va.
 Ithaca
 Ithaca
 Brooklyn
 New York City
 Philadelphia, Pa.
 Sayville
 Walusung, Pa.
 Elon College, N. C.
 Olean
 Watertown
 Lancaster, Pa.
 Buffalo
 Summit, N. J.
 Avoca
 Pasadena, Cal.
 Ithaca
 Ballston Spa
 Parkton, Md.
 Merrifield
 Binghamton
 Honeoye Falls
 Durham
 Ypsilanti, Mich.
 Fulton
 Philadelphia, Pa.
 Aurora, Ind.
 Phelps
 Auburn
 Philadelphia, Pa.
 Wilkes-Barre, Pa.
 Corning
 Cortland
 Ithaca
 Danbury, Conn.
 Winnetka, Ill.
 Chekiang, China
 Wusih, Kiang-So, China
 Norwalk, Conn.
 Oneonta
 Ridgewood
 Ithaca
 Perth Amboy, N. J.
 Brooklyn
 Owego
 Washington, D. C.
 Waterbury, Conn.
 Huntington, W. Va.
 Cleveland, Ohio
 Syracuse
 Montclair, N. J.
 Hartford, Conn.
 Pounding Mill, Va.
 Brooklyn
 Chicago, Ill.
 Portville
 Deposit
 Watertown
 Elmira
 Elmira

- 9 Iddles, Harold Augustus, B.S. (Michigan), 1918
 9 Iler, Russell Hills
 9 Imlay, Robert
 9 Immel, Mary Barbara
 9 Ingraham, Clark Edward
 9 Ishigami, Yasushi
 4 Ivanek, Boleslaw Bertrand
 9 Jack, Andrew
 9 Jackson, Charles Donald
 5, 9 Jackson, George Andrew
 9 Jackson, Helen Piatt
 8 Jackson, Jeannette
 9 Jackson, Robert Fenner, jr.
 8 Jackson, Sara Townely, B.S. (Cornell), 1915
 9 Jacobson, Beatrice Matilda, A.B. (Barnard), 1915
 9 James, Marie Cecilia
 9 Jaques, Burnett Pond
 9 Jarcho, Dorothy May
 9 Jeffrey, Walter Williams
 1 Jelliffe, Winifred
 9 Jenkins, George French
 9 Jenks, Lee William
 9 Jenks, Leon E., B.S., M.S. (Hamilton), 1905, 1908
 7 Jensen, Ward Charles, B.S. (California), 1917
 8 Jerge, Henry
 9 Jerome, Alan Jerome
 9 Jersonis, Helen Antoinette
 9 Jewett, Harold Alden
 8 Johannes, Gertrude Henrietta
 9 Johns, Juanita Pearl
 1 Johnson, Alberta
 4, 9 Johnson, Berkeley
 2 Johnson, Carl Victor
 9 Johnson, Charles Eneu
 3, 9 Johnson, Deyo Way
 9 Johnson, Douglas Harold
 8 Johnson, Edith Mary
 9 Johnson, Elna Edwardine, A.B. (Cornell), 1919
 9 Johnson, Ernest Edward
 8 Johnson, Jessie Martin
 8 Johnston, Janet Isabelle
 9 Jones, Alta Flora
 9 Jones, (Mrs.) Gertrude Mercereau
 4 Jones, Henry Hunter
 8 Jones, Jennie Sale
 9 Jones, Mary Eleanor
 8 Jones, Mary Elizabeth
 9 Jones, Minnie
 9 Jones, Walter Mendelson
 9 Jordan, Elizabeth, A.B. (Randolph-Macon), 1916
 4, 9 Josefson, Abraham
 4 Joseph, Louia Weinman
 8 Junker, Evangeline Coit
 9 Kalb, Dorothy Buhrman, A.B., B.E. (George Washington), 1916
 9 Kamaiky, Rebecca
 9 Kamrass, Louis Mark
 8 Kamsler, Mildred
 5, 9 Kao, Hua
 9 Kaplan, Deborah
 9 Karu, Mary Margaret, A.B. (Western Maryland), 1918
 9, 8 Kast, Frederic Ernest
 9 Katchen, Friede Constance
 3 Kavana, Luke James
 7 Kawamata, Takashi, B.S. (Waseda),
 8 Keeler, Delaphine
 8 Keet, Julia Mildred
 7, 9 Kehr, Marguerite Witner, B.A. (Tennessee), 1911, M.A. (Wellesley), 1914
 9 Keith, Lina Charity, B.A. (Adrian), 1891
 9 Keller, Harold Parker
 8 Keller, Theodore George
 8 Kelley, Eunice Margaret
 1 Kelley, Gerald Louis
 5, 9 Kelley, Hayward Kendall
 9 Kelley, Lora Margaret
 9 Kelly, Emerson Crosby
 8 Kelly, Helen Florence
 9 Kelly, John Clair
 9 Kelly, Miriam Anna
 9 Kelly, Thomas Lloyd
 7, 9 Kennedy, James Arthur, A.B. (Cornell), 1917
 South Haven, Mich.
 Brooklyn
 Niagara Falls
 Philadelphia, Pa.
 Dolgeville
 Philadelphia, Pa.
 Mount Herman, Mass.
 Newark, N. J.
 Minneapolis, Minn.
 Huntington
 Ithaca
 New York City
 Nashville, Tenn.
 Groton
 Perth Amboy, N. J.
 Washington, D. C.
 Los Angeles, Cal.
 Brooklyn
 Ithaca
 New York City
 Binghamton
 Ithaca
 Ithaca
 Omaha, Neb.
 Buffalo
 Toledo, Ohio
 Bridgeport, Conn.
 Fredonia
 Philadelphia, Pa.
 Ithaca
 Old Westbury
 Worcester, Mass.
 Hartford, Conn.
 Philadelphia, Pa.
 Ellenville
 New York City
 Grand Rapids, Mich.
 New York City
 St. Louis, Mo.
 Lake George
 Albany
 Bellaire, Ohio
 Ithaca
 Durham, N. C.
 Richmond, Va.
 Reading, Pa.
 Athens, Ga.
 Johnstown, Pa.
 Upper Montclair, N. J.
 Pulaski, Va.
 Middletown
 Warrensburgh
 Perry
 Washington, D. C.
 New York City
 New York City
 New York City
 Shanghai, China
 Brooklyn
 Rockville, Md.
 Albion
 Newark, N. J.
 LaGrange, Ill.
 New York City
 Fillmore
 Schuyler Falls
 Knoxville, Tenn.
 Toledo, Ohio
 Buffalo
 Toledo, Ohio
 Binghamton
 Covington, Pa.
 Cleveland, Ohio
 Wayland
 Fleischmanns
 Pittsburgh, Pa.
 Ithaca
 Minersville, Pa.
 Chicago, Ill.
 Ithaca

- 5 Kennedy, John Harrison, jr. Buffalo
- 9 Kenyon, Alice Breese Whitesboro
- 5 Keogh, George Paul New York City
- 5 Kerr, Henry Hampton, jr. Evanston, Ill.
- 1 Kessler, Don Hursh Fayetteville
- 9 Kessler, Raphael Smethport, Pa.
- 8 Kibby, Edward Farnham, B.S. (Vermont), 1906 Randolph, Vt.
- 9 Kiggins, Willard Augustus, jr. Elizabeth, N. J.
- 9 Kimble, James Norman, B.A. (Washington, Miss.), 1917 Takoma Park, D. C.
- 5 Kincaid, Howard Gordon Boonton, N. J.
- 8 Kincaid, Willis M., jr. Bradford, Pa.
- 8 King, Carlton James Glens Falls
- 8 King, Milo Stanton Fort Ticonderoga
- 9 King, Walter Gray, jr. New York City
- 8 Kingsbury, Hazel Westford
- 5 Kingsland, Frank Carlton Brooklyn
- 9 Kingsley, Donaldson Wright Minden, Neb.
- 2 Kinsman, Elmer Franklin Binghamton
- 8 Kipp, Grace Asenath Rochester
- 9 Kirwan, Pauline Annie Pittsburgh, Pa.
- 8 Kissen, Fanny, B.A. (Hunter), 1914 Brooklyn
- 9 Kissling, Grace Persis Winona, Minn.
- 9 Klages, Ellett Huber Brooklyn
- 9 Klein, Charles Rockaway Beach
- 1 Klein, Henry Nathaniel Brooklyn
- 8 Klein, Ruth Newark, N. J.
- 5 Kleinert, Edwin Waldorf Brooklyn
- 9 Klepper, Helen Matilda Harrisburg, Pa.
- 0 Kluebert, Katherine Elizabeth Ithaca
- 8 Knapp, Lester Stuart Newark Valley
- 5 Knauss, Edwin Poughkeepsie
- 8 Knauz, Marie Bertha Pittsburgh, Pa.
- 9 Knight, Harry Hall St. Louis, Mo.
- 7 9 Kniker, Hedwig T., B.A., M.A. (Texas), 1916, 1917 Austin, Texas
- 7 9 Knoepfle, Frieda Barbara, A.B. (Greenville), 1915 Meadville, Pa.
- 4 Knowlton, George Edgar, jr. Ridgewood, N. J.
- 7 Koch, Anna Elizabeth Warsaw
- 7 Koch, Catharine E., B.S. (Michigan), 1909, M.A., M.L.D. (Cornell), 1916, 1919 Gowanda
- 5 Koehler, Alfred Charles New York City
- 4 Kohler, Alfred Huntress Wilkes-Barre, Pa.
- 9 Kohn, Raymond Albert Ithaca
- 9 Kohn, Mark Robert Brooklyn
- 7 9 Koller, Lewis Richard, A.B. (Cornell), 1917 New York City
- 7 9 Koo, Nee Sun, B.S.C.E. (Gov't Inst. of Tech.), 1918, M.C.E. (Cornell), 1919 Shanghai, China
- 9 Koppelman, Naomi Brooklyn
- 9 Koukle, Winifred Ferry Swarthmore, Pa.
- 8 Kramer, Helen Beatrice Roslyn
- 8 Krasback, Julia Margaret Talcottville
- 8 Krebs, Matilda Frances New York City
- 9 Krech, Karl Gilbert Midland Park, N. J.
- 9 Kressler, Anna Margaret Easton, Pa.
- 9 Kretschman, Edwin Charles Elmira
- 9 Krey, Charles Edward Washington, D. C.
- 8 Krotts, J. Adelaide Kenwood
- 9 Krug, Paul Smith Erie, Pa.
- 9 Kruger, Leola Josephine New York City
- 8 Kugel, Elsie Juliana, A.B. (Western Reserve), 1916 Erie, Pa.
- 9 Kugeman, William Emil, jr. West Cornwall, Conn.
- 9 Kuhn, George Henry Pittsburgh, Pa.
- 9 Kulp, Nancy Isabella Harrisburg, Pa.
- 9 Kunkle, John Edward, jr. Greensburg, Pa.
- 9 Kunsman, Mamie Esther Stone Church, Pa.
- 5 Kurtz, Chester, A. R. Center Hall, Pa.
- 9 Kurtz, Elizabeth Hanna Millville, N. J.
- 5 Kurtz, John Winfield Joanna, Pa.
- 9 Kwong, Chao Chi Chihli, China
- 9 Kwong, Tsue Nyov Ithaca
- 8 Labaree, Mary Shedd, B.A. (Wells), 1905 New York City
- 5 Laborde, Salvador Havana, Cuba
- 9 Ladd, Era Amos Batavia
- 5 9 Ladd, Tallman Ithaca
- 9 Laggren, Lillian Louise Elizabeth, N. J.
- 9 Lake, Doris Frances Farmington, Me.
- 9 Lalley, Harold Vincent Bridgeport, Conn.
- 4 9 Lallou George Edward Spotz Philadelphia, Pa.
- 9 Lancaster, Ida Belle Rocky Mount, N. C.
- 8 Landis, Erva Christena Ithaca
- 8 Landon, Nadia Angola
- 1 Landron, Enrique, jr. Arecibo, P. R.
- 5 9 Lane, Edward Genoa

- 8 Lang, Ethel Mary
 9 Lang, Frederick Robert
 9 Lange, Hanna
 8 Lantry, Alice Frances
 9 Lantz, Hazel Mary
 9 Lapin, Joseph Harris
 5, 9 Lardner, Gilmore Anthony
 9 Larkin, Alfred Joseph
 8 LaRose, Katharine Sloane, A.B. (New York State), 1919
 9 Larson, John Munson
 9 Lask, Clara
 9 Lasser, Harriet Ruth
 9 Lasser, Sydney
 8 Lathrop, Frances Ann
 7 Lathrop, Frank Waldo, A.B. (Yale), 1911, M.S. (Cornell), 1914
 7, 9 Lathrop, Mary Alinda, Ph.B. (Cornell), 1896
 9 Latt, Edward
 5 Latz, Lawrence Morris
 9 Lau, Hing Huan
 9 Lautenbacher, Ruth Ann
 8 Lavery, Elizabeth Marion
 9 Law, Mary Cromwell
 8 LaWare, John Henry
 9 Lawrence, Bertha
 9 Lawson, Albert Edward
 9 Lawson, Archie Nelson
 5, 9 Lawson, Randolph
 8 Lay, Joseph Hill
 9 Layton, Ora Dennis, Ph.B. (Alfred), 1901
 9 Leaf, Ellen Lane
 9 Lee, Charles Milo
 7, 8, 9 Lee, Charles Oren, B.S. (Kansas), 1913, M.S. (Chicago), 1917
 9 Lee, Florence Annie
 9 Lee, Hilda Voss
 4, 9 Lee, Ju Cheung, B.Sc. (Hong Kong), 1917
 9 Lee, Robert Edward
 8 Lee, Roby Estelle
 5, 9 Lee, Walter Joseph
 5 Leet, Horace William
 9 Leete, George P., A.B. (Dartmouth), 1908
 9 Leffell, Jessie Evangeline
 8 Lefkowitz, Minnie, A.B. (Hunter), 1903
 8 Lefkowitz, Sadie, A.B. (Hunter), 1919
 2 Lehlbach, Emma
 8 Leidt, Edna Julia
 9, 8 Leinbach, Harold Miller
 4, 9 Leitch, Paul Ward
 4 Lenahan, Edwin Joseph
 8 Lenzer, Anne
 9 Leonard, Julia Helen
 8 Lerch, Cornelia Elizabeth
 1 Lerner, Saul Charles
 7 Letourneau, Firmin, B.S.A. (Oklahoma), 1914
 9 Levengood, Helen Rhoades
 9 Levine, Frieda Rebecca
 8 Levy, Beatrice
 2 Levy, Dorothy Franklin
 9 Levy, Pauline
 9 Levy, Sadie Nathan
 5 Lewis, Benjamin F.
 5, 9 Lewis, Edward Howard
 9 Lewis, Gladys A.
 9 Lewis, Grace Genevieve
 9 Lewis, Howard Herbert
 8 Lewis, Viletta Carrie
 9 Levit, Martha Rachel
 9 Li, Chi
 9 Lickley, M. Ethelyn
 9 Liddle, Alda Emma
 9 Lietz, M. Christine
 9 Light, Ethel Jane
 9 Light, Johanna Paula
 8 Linck, Frances Sophia
 9 Linderman, Janet Evans
 9 Lindsay, Edwin Blair
 9, 8 Lindsey, Edna Erle
 9 Lindsley, Luther Campbell, B.A. (William and Mary), 1907
 9 Linn, Carl Valentine
 9 Linnell, Bertha Robert
 4 Linnell, Herbert Harrington
- Albany
 Valley Park, Mo.
 Buffalo
 Kingston
 Newark, N. J.
 New York City
 Rock Island, Ill.
 Ithaca
 Albany
 Caldwell, N. J.
 New York City
 Newark, N. J.
 Newark, N. J.
 Angelica
 Ithaca
 Montclair, N. J.
 Syracuse
 Marks Place
 Hong Kong, China
 Schuylkill Haven, Pa.
 Schenectady
 New York City
 Mount Kisco
 Phillipsburg, N. J.
 Germantown, Pa.
 Brocton
 Philadelphia, Pa.
 Oil City, Pa.
 Canistota
 Philadelphia, Pa.
 Rome, Ga.
 West Lafayette, Ind.
 Hillsboro, N. H.
 Atlantic City, N. J.
 Hong Kong, China
 Mount Vernon
 Cortland
 Buffalo
 Fredonia
 Niagara Falls
 Anderson, Ind.
 New York City
 New York City
 Newark, N. J.
 Buffalo
 Reading, Pa.
 Wilkinsburg, Pa.
 Buffalo
 New York City
 Lockport
 Branchport
 New York City
 Quebec, Canada
 Boyertown, Pa.
 Brooklyn
 Albany
 Philadelphia, Pa.
 New York City
 New York City
 Utica
 New York City
 Oswego
 Newark Valley
 Rochester
 Cuba
 Newark, N. J.
 Peking, China
 Cold Spring
 Argyle
 Richmond Hill
 Westfield, N. J.
 New York City
 Constableville
 Erie, Pa.
 Davenport, Ia.
 Atlanta, Ga.
 Manassas, Va.
 Brooklyn
 Suco, Me.
 Manila, P. I.

- 3, 9 Lippitt, Maxwell Walthour
 9 Lisk, Anna Rogers
 5 List, Daniel Clarence
 8 Litawitz, Lottie
 9 Little, Blanchie
 8 Littlehales, Ethel Emma
 9 Littlejohn, Editha
 9 Liu, Cheng Fang
 4, 9 Liu, Chi Sheng
 5, 9 Liu, Jun Sheng
 9 Liu, Laura Hua-tsai
 5, 9 Livermore, James Northrup
 9 Livingston, Carl Aaron
 8 Livingston, Isadora
 9 Lobrano, Gustave Stubbs
 9, 8 Lockwood, Achee Merritt, jr.
 1 Lockwood, Allen Farnham
 1 Lodge, Llewellyn Van Alst
 9 Logan, Catherine Wintermute
 9 Lohmann, Blanche
 9 Lohmann, Pauline
 9 Lomax, Henry Stanley
 9 Longstreet, Florence Edna
 4, 9 Loomis, Amos Prescott
 4, 9 Lord, George Willis
 9 Lou, Kwang Lai
 8 Love, Alethia Northrup, A.B. (Syracuse), 1916
 9 Lowe, Catherine Caskey, B.A. (Mount Holyoke), 1916
 8 Lowis, Edith Hope
 9 Lowman, Goldie Princess
 9 Lowman, Gratia Rhoby
 7 Lowry, Walter Nye, B.S. (Pennsylvania State), 1916
 9 Lowther, Mildred
 9 Loyer, Freda Antoinette, A.C.M. (Dana Mus. Inst.)
 9 Lucchetti, Raul Jose Felix
 9 Lufkink, Harold Marshall, S.T.B. (Pennsylvania Div.)
 1 Luning, Henry Herman
 1 Lumsden, David Victor
 7, 9 Lurio, Mitchell Stokes, A.B. (Cornell), 1918
 9 Luscher, Evelyn Audrey
 9 Luscher, Ruth Margaret
 8 Lussier, O'Mamer, B.A. (Lusal), 1911
 9 Lynn, Ida Mae
 9 Lyon, John Lyttleton
 9 Lyon, Sarah Genevieve
 4 Maahs, Arthur John
 9 McAllister, Thomas Donald
 8 McAllister, Nellie Clare, A.B. (Cornell), 1912
 9 MacBain, Kathleen
 9 MacBean, Donald Grant
 9 MacBean, John Peter, jr.
 8 McCall, Henry Stirling, A.B. (Mercer), 1918
 8 McCarthy, Morgan Bernard, B.S. (Colgate), 1918
 5, 9 McCarthy, Rollin Herbert
 9 McClain, Lillian Margaret
 5, 9 McClaren, Joseph Frederick
 8 McColgan, Ruth Turner
 5, 9 McConnell, Malcolm Rosebrook
 8 McCord, (Mrs.) Clinton Preston
 7, 9 McCorkle, Paul, B.A. (Ohio State), 1914
 2, 9 McCormick, Gordon Randolph
 9 McCormick, William Hopkins
 9 McCray, Le Roy Partridge
 9 McCreery, Elizabeth Esther
 5 McCullough, Henry Geyer
 9 McDonald, Fred Lemuel
 9 MacDonald, (Mrs.) Gertrude Amelia, B.S., M.S. (Northwestern), 1911, 1913
 9 MacDonald, Helen Anna
 9 MacDonald, James John
 5, 9 McDonald, John Manderson, jr.
 9 McFadden, Mary Jane
 8 MacFarlane, Ethel
 9 McFerram, Caroline Hamlin, A.B. (Cornell), 1904
 9 McGavock, Gurdon Pendelton
 9 McGee, Lucile
 8 McGranaghan, Edmund Burke
 9 McGranahan, Sarah Jeanette
 4 McGrath, Francis Ignatius
 2 McGraw, James Sturtevant
 5, 9 Machlett, Raymond Robert
 Wilmington, N. C.
 Aurora
 Washington, D. C.
 Brooklyn
 Lauderdale, Miss.
 Syracuse
 Galveston, Texas
 Shanghai, China
 Shanghai, China
 Shanghai, China
 Ithaca
 Gowanda
 New York City
 Clintondale
 New Orleans, La.
 Middletown, Del.
 Hannibal
 Montgomery
 Horseheads
 Washington, D. C.
 Washington, D. C.
 Brooklyn
 Brooklyn
 Watertown
 Evanston, Ill.
 China
 Whitney Point
 Aurora
 Dayton
 Auburn, Ind.
 Elmira
 Dewar, Pa.
 Salem, W. Va.
 New Washington, Ohio
 Ithaca
 Parkersburg, Pa.
 Brooklyn
 Ithaca
 Brooklyn
 LeRoy
 LeRoy
 Quebec, Canada
 Oakfield
 Ithaca
 Aurora
 Erie, Pa.
 Ithaca
 Ithaca
 Closter, N. J.
 Philadelphia, Pa.
 Philadelphia, Pa.
 Ogechee, Ga.
 Frankfort
 Cortland
 Huntingdon, Pa.
 Saltsburg, Pa.
 Norton, Va.
 LaGrange, Ill.
 Albany
 Ithaca
 Wilkes-Barre, Pa.
 Lock Haven, Pa.
 Ithaca
 Canton, Pa.
 Brooklyn
 Indianapolis, Ind.
 Ithaca
 Pottsville, Pa.
 Port Richmond
 Dubuque, Ia.
 Lincoln Univ., Pa.
 Auburn
 Rome
 Max Meadows, Va.
 McGee's Mills, Pa.
 Hancock
 Anderson, Ind.
 Stratford, Conn.
 Ithaca
 New York City

- 9 MacInnes, Paul Alexander
 9 Mack, Richard Ellsworth
 9 MacKay, Katherine Florence
 4, 9 McKee, Edward Price
 8 McKee, Vesta
 4 MacKellar, Gordon
 9 McKelvey, Margaret Jane
 9 McKenna, Rosalie Mary
 8 McKenna, William Henry
 9 McKenzie, Alfred Crane
 9 McKenzie, Edwin Gordon
 9 McKenzie, George Washington, jr.
 9 McKenzie, Sadie Louise
 9 Mackenzie, William Donald
 9 MacKeown, Isabel Semple
 9 McKinley, Ethel Gertrude
 7, 9 McKinney, Asa Emanuel, A.B., A.M. (Indiana), 1914, 1915
 1 MacLeod, Donald Osmond
 4, 9 McLoughlin, A. Vincent
 1 McMaster, Marcus Aurelius
 9 McMillan, Donald Cameron
 9 McNees, Elizabeth Welch
 8 McNitt, Robert Louis
 5 McNulty, Dwight Leeds
 7 McRostie, Gordon Peter, B.S.A. (Ontario), 1912, M.S. (Cornell), 1918
 5 McStocker, Francis Blakeley
 5, 9 McVean, Albert Robert Francis
 9 Magee, Edward Burgess
 7, 8 Magill, Edmund Charles, B.S. (Kansas State), 1902
 9 Mahler, May
 9, 4 Maier, Edward Leonard
 9, 8 Maisel, Rosetta Florence
 9 Malby, Elizabeth
 9 Mallalieu, Alice Gertrude, A.B. ((Goucher), 1900
 5 Mallory, William Taber
 5, 9 Mallory, Burton Cowles
 9, 8 Malmud, Rose Susan
 8 Malone, Ada Frances, A.B. (Hunter), 1903
 8 Malone, Eleanor Florence, A.B. (Hunter), 1905
 8 Malone, Evelyn Genevieve, A.B. (Hunter), 1911
 8 Malone, Robert Emmick
 9 Maloney, William Michael
 9 Malter, Sarah Madeline
 4 Manchester, Wilbur Oscar
 7 Mank, Helen Gardner, A.B. (Mount Holyoke), 1909
 9 Manheim, Harold Julian
 9 Manne, Julius
 5 Marcogiou, Aristides Sawa
 9 Marcy, Eloise Bertha
 9, 8 Markley, Myrtle Cox
 5 Markthaler, Leo Valentine
 8 Marsh, Lewis James
 9 Marshall, Morton Adams
 2, 8 Marshall, Virginia Walker
 9, 8 Martin, Albert Rankin
 4, 9 Martin, Charles Ellison
 9 Martin, Edwin Dudley
 1 Martin, Herbert Francis
 5, 9 Martin, Louis Charles
 9 Martin, Margaret Elizabeth
 9 Martin, Robert Fitz-Randolph
 4 Martinez, Arthur
 9 Martsoif, Arthur Lewis
 9 Marx, Walter
 8 Masonheimer, Alfred Merton, jr., A.B. (Franklin and Marshall), 1915
 9 Massino, Beulah Marion
 9 Mathews, Harriet Chatfield
 9, 5 Mathis, Sue Elizabeth
 9 Matson, Richard McConnell
 9 Matt, Walter Joseph
 9 Matthiessen, Ira Cornwall
 8 Mattli, Peter Anthony, B.S. (Cornell), 1919
 5, 9 Mattoon, James Harris
 9 Mawha, James Kenneth
 8, 9 Maxwell, Beth
 9 Maxson, Clark Perdue
 9 Mayer, Gladys Lucy
 9, 8 Mayer, Irving
 1 Mayer, Kurt Arnold
 1 Maynard, Franklin Purdy
- Syracuse
 Canton, Ohio
 Ithaca
 Scranton, Pa.
 Newfane
 Hazleton, Pa.
 Oil City, Pa.
 Port Carbon, Pa.
 Albany
 Brooklyn
 Millbrook
 Brooklyn
 Parkton, N. C.
 Newark, N. J.
 Waldwick, N. J.
 Merchantville, N. J.
 Ithaca
 Concord, N. H.
 New York City
 Rochester
 Norton, Conn.
 North Washington, Pa.
 Pulaski
 Middletown
 Ithaca
 Honolulu, Hawaii
 LeRoy
 Buffalo
 Blacksburg, Va.
 Council Bluffs, Iowa
 Washington, D. C.
 New York City
 Bridgeport, Ohio
 Baltimore, Md.
 Owego
 New Britain, Conn.
 Brooklyn
 New York City
 New York City
 New York City
 Chapel Hill, N. C.
 St. Paul, Minn.
 Brooklyn
 Nassau
 Lawrence, Mass.
 New York City
 New York City
 New York City
 West Leyden
 Atlanta, Ga.
 Elmira
 Batavia
 Winslow, Ark.
 Cleburne, Texas
 Chicago, Ill.
 Rochester
 Ithaca
 Sea Cliff
 Amityville
 Princeton, W. Va.
 Ithaca
 Bogota, Colombia, S. A.
 New Brighton, Pa.
 Newark, N. J.
 Weatherby, Pa.
 Saugerties
 Brooklyn
 Oklahoma City, Okla.
 Ithaca
 Utica
 Chicago, Ill.
 Ithaca
 Pittsfield, Mass.
 Newark, N. J.
 East Greenwich
 Cleveland, Ohio
 Elizabeth, N. J.
 Newark, N. J.
 Brooklyn
 Stamford

7. 9 Meacham, Edna Lillian, A.B. (Bucknell), 1909
 1 Mead, Raymond Benedict
 8 Measday, (Mrs.) Virginia Sparks
 1 Measday, Walter, jr.
 8. 9 Meech, Marion Lucile
 9 Megear, William Bell, jr.
 8 Meigs, George Arthur, B.S. (Vermont), 1911
 - 8 Meikle, John Donald
 9 Meinhold, Louis
 5 Meissner, James Armand
 8 Menges, Dorothy Viola
 9 Menner, Sarah Winton, B.A. (Wells), 1917
 9 Mentz, Joseph Mathias
 1 Merrill, Frederic Brettell
 9 Merrill, (Mrs.) Ida Louise
 9 Merrill, Ray March, A.B. (Williams), 1905, A.M. (California), 1909
 5 Merrill, Raymond Nathaniel
 9 Merrill, Russell Hyde
 8 Merrill, Vivian Agnes
 7. 9 Merriman, Paul Rossiter, A.B. (Miami), 1903
 8 Merritt, Douglas Dupuy
 5. 9 Mertz, Gerden John
 7. 9 Mertz, Pierre, A.B. (Cornell), 1918
 9 Merz, Harold Oscar
 5. 9 Mesick, Benjamin Schultz, jr.
 - 8 Metcalfe, Laura Reynolds
 9 Metzner, Ralph William
 9 Metzner, Russell Henry
 7. 9 Metzner, Sara Elizabeth, A.B. (Wellesley), 1916
 8. 9 Meyers, Julia Adelaide, B.A. (Hunter), 1906
 9 Michel, Achilles Edmund
 7 Middleton, Gordon Kennedy, B.S. (North Carolina State), 1917
 9 Milks, Vera Estelle
 9 Mill, Edgar Leslie
 9 Miller, Abraham Eliot
 9 Miller, Alma Grayce
 9 Miller, Armonde Kelsey
 - 9. 8 Miller, Edith Salisbury
 9 Miller, Emily Marguaretta
 4. 9 Miller, Frank Edward, jr.
 9 Miller, Harold Seiberling
 9 Miller, Henry Francis
 9 Miller, John Vincent
 8 Miller, Ina Evelyn
 9 Miller, Walter Lewis
 8 Miller, Xenia Pearl
 9 Milstein, Samuel Harry
 9 Minar, George Elliott
 9 Miner, Edwin Demetrius
 4. 9 Miner, Harry George
 9 Minick, Loretta Rebekah
 9 Minor, Eva
 8. 7 Minter, Claude Clinton, B.S. (Iowa State), 1916
 9 Minty, John Emery
 - 9. 8 Mitchell, (Mrs.) Ethel Harrison
 8 Mitchell, Ruth Virginia
 4. 9 Modjeski, Charles Emanuel John
 9 Moffat, George Barclay
 - 9. 8 Moir, William Whitmore Goodale
 5 Molinet, Enrique
 5 Molinet, Joaquin
 9 Montague, William Pepperell, jr.
 9 Montes, Arturo Jose
 9 Montgomery, Kathryn Nancy
 7. 9 Montgomery, Lois Elizabeth, A.B. (Elmira), 1918
 4 Moore, Arthur Hale
 6 Moore, Dean Crawford
 8 Moore, Grace Estella
 9 Moore, Harold Henry
 8 Moore, Mary Eastman
 - 9 Moorhead, Douglas McCord
 9 Moppett, Elizabeth Phoebe
 5 Moran, Charles Blake
 9 Morgan, Frederick John
 5. 9 Morgan, Godfrey, jr.
 9 Morgan, James Vivian
 8 Morgan, Mary Ives
 8. 9 Morris, Carolyn Elizabeth, A.B. (Syracuse), 1917
 1 Morris, Donald Evan
 9 Morris, Galloway Cheston
- Reading, Pa.
 Connelly
 Ithaca
 Brooklyn
 New York City
 Wilmington, Del.
 Randolph Center, Vt.
 Baltimore, Md.
 New York City
 Brooklyn
 Albany
 Honesdale, Pa.
 Newark, N. J.
 Schlarie
 Copenhagen
 Vermillion, S. D.
 Springfield, Mass.
 Des Moines, Iowa
 Merrill
 Rochester
 Woodbourne
 Colden
 Jamaica
 Newark, N. J.
 Claverack
 Pittsburgh, Pa.
 Wheeling, W. Va.
 Wheeling, W. Va.
 Wheeling, W. Va.
 New York City
 Buffalo
 Warsaw, N. C.
 Ithaca
 Mount Vernon, Ohio
 New York City
 Lockport
 Olean
 Pittsburgh, Pa.
 Harrisburg, Pa.
 Rochester, Pa.
 Akron, Ohio
 Utica
 Rochester, Pa.
 Alden
 Thompson, Pa.
 Mechanicsburg, Pa.
 Albany
 Ithaca
 Mount Vernon
 Louisville, Ky.
 Cola, Pa.
 Durham, N. C.,
 Neligh, Neb.
 Muskegon, Mich.
 Philadelphia, Pa.
 Flushing
 Chicago, Ill.
 New York City
 Papaikow, H. I.
 Delicias, Cuba
 Chaporra, Cuba
 New York City
 Lapaz, Bolivia
 West Liberty, W. Va.
 Warsaw
 Benton, Pa.
 Whippany, N. J.
 Middlefield, Ohio
 Auburn
 Ithaca
 Moorheadville, Pa.
 Rochester
 Bernardsville, N. J.
 Mountain Lakes, N. J.
 Buffalo
 Buffalo
 Ithaca
 Perry
 Lincoln
 Lake George

- 9 Morrison, Malcolm Chapman
 8 Morrison, Margaret Elizabeth
 9 Morrow, Charles Tracy
 8 Morrow, Olin Archie, A.B. (Rochester), 1917
 9 Mortimer, Florence Craigie
 9 Mortimer, Lucie Elizabeth
 4, 9 Morton, John Waller
 9 Mosby, Mary DeSha Rice, A.B. (Virginia Interment), 1896
 3, 9 Mott-Smith, Harold Meade
 5 Mott-Smith, Stanley
 9 Moyer, Anna Elizabeth
 9, 5 Moyer, Robert Raymond
 9 Muhldowney, Mary Helena
 9 Muller, Gladys Marie, A.B. (Cornell), 1917
 9 Muller, Harriet Amelia
 9 Muller, Mildred
 5, 9 Muller, Richard
 9 Mumper, Conrad Hewitt
 4 Munisteri, Philip
 9 Munsick, David Roger
 9 Munsick, George
 5, 9 Muntz, William Emanuel
 9 Murphy, Edward James
 7 Murphy, Helen Elizabeth, B.S. (Cornell), 1917
 9 Murphy, John Vincent
 9 Murray, Earl William
 9 Murray, Paul Evans
 9 Murray, William Colman
 9 Musgrave, Marguerite Ruth
 9 Myers, Carrie Amelia Edwards
 5 Myers, Walter Chapman
 9 Naden, Edwin Thomas
 7, 9 Napier, Frances Ermina, A.B. (Adelphia), 1906
 9 Narwold, Alfred Henry
 8 Naughton, John A., A.B., Pd.B., Pd.M. (New York State), 1903, 1904, 1908
 7, 8, 9 Naylor, Bessie May, B.S., M.A. (Missouri), 1914, 1917
 9 Neal, Alice Heselton
 5 Neale, William Wallace
 8 Near, Edith Petrie
 4 Needle, Joseph
 8 Neely, Elizabeth, A.B. (Cornell), 1919
 9 Neill, Ruth
 8 Nelson, Bertha Tyler
 8 Nelson, Hazel Warwick, B.A. (Adelphi), 1919
 1 Nelson, James Mandeville
 9 Nelson, Wallace
 4, 9 Nethercot, David George
 4 Neu, Edgar Wesley
 4, 9 Neun, John Henry
 5 Newby, Arthur Brazil
 1 Newlander, John Alvin
 5 Newman, Lawrence Weddell
 9 Newmann, Leoni Camille
 1 Newton, Norman Toivo
 5, 9 Newton, Samuel Marsden
 8 Ney, Ethel Florence
 9 Nichols, Emily Woodruff
 2, 9 Nichols, Leslie Irving
 7, 9 Nichols, Melvin, B.Chem. (Cornell), 1918
 5, 9 Nicholson, Samuel Ralph
 5 Nickles, Edward Belmer
 5, 9 Niedeck, James Albert
 9 Noble, Lawrence Everman
 2 Nolan, Humphrey
 9 Nolin, Albert Raymond
 9 Nolt, Mabel Hoffman
 9 Norris, Olive Katherine, A.B. (Oberlin), 1905
 8 Northup, John Winchester
 9 Northrop, Miles Gordon
 7 Norton, Lawrence Joseph, B.S. (Cornell), 1917
 9 Norwood, Stanley Marion
 8 Nudd, Kathrine Angie
 5 Nugent, Albert Edward
 8 Nurick, Helen Dorothy, B.A. (Hunter), 1903
 9 O'Brien, (Mrs.) Irene Fremont Adams, B.S. (New York State), 1919
 4, 9 O'Britis, Edward William
 9 O'Callahan, Kevin
 9 O'Connor, Katherine Mary
 9 O'Donnell, Frederick Joseph
 9 O'Donnell, Howard Jerome
 Mount Vernon, Ohio
 Hudson Falls
 Sugar Run, Pa.
 Bath
 Washington, D. C.
 Washington, D. C.
 Washington, D. C.
 Helen, Ark.
 Schenectady
 Honolulu, H. I.
 Topton, Pa.
 Plainfield, N. J.
 Heckersville, Pa.
 Brooklyn
 Highland Falls.
 Somerville, Mass.
 New York City
 Trenton, N. J.
 Brooklyn
 Maplewood, N. J.
 Maplewood, N. J.
 Buffalo
 Buffalo
 Phoenix
 Buffalo
 McDonald, Pa.
 Washington, D. C.
 Dunkirk
 Scranton, Pa.
 Springfield, Mass.
 Ridgewood, N. J.
 Olympia, Wash.
 Montclair, N. J.
 Cleveland, Ohio
 Albany
 Columbia, Mo.
 Philadelphia, Pa.
 Richmond, Va.
 Canastota
 Charleston, S. C.
 Philadelphia, Pa.
 Venice, Ohio
 Brooklyn
 Brooklyn
 Mount Vernon
 Minerva, Ohio
 Winnetka, Ill.
 Buffalo
 Rochester
 Acme, Texas.
 Penn Yan
 Cleveland, Ohio
 New York City
 Brooklyn
 Dunkirk
 Rochester
 Clinton
 Hubbards Woods, Ill.
 Dayton, Ohio
 Wilkes-Barre, Pa.
 Washington, D. C.
 Ithaca
 Houston, Texas
 Spencerport
 Auburn
 Lancaster, Pa.
 Spencer
 Chazy
 Tarpon Springs, Fla.
 Middle Granville
 Ithaca
 Medina
 Dunkirk
 Brooklyn
 Delmar
 Edwardsville, Pa.
 Buffalo
 Gerard, Ohio
 Herkimer
 Pelham

- 9 O'Donnell, John Roosevelt, jr.
 9 Olds, Edwin Glenn, A.B. (Cornell), 1918
 9 Olds, Leon Audry
 5 Olin, Spencer Truman
 9 Oliphant, Roberta
 9 Olney, Carl Weddigen
 7 Olney, Roy A., B.S. (Cornell), 1916
 9 Oltz, Carle Henry
 9 Oppenheim, Lillian Ernestine
 9 Oppenheimer, Jean
 8 Orlofsky, Rose
 5, 9 Ormsby, Hiram Kingsley, jr.
 4 Orr, Raymond Coughlin
 8 Ortnier, Howard Burnship
 9 Orton, William Clifford, jr.
 8 Osborne, Olive Louise
 9 Osburn, Robert Lee
 9 O'Shea, Agnes Mary, A.B. (New York State Normal), 1903
 9 Osness, William Nathan
 5 Ostergren, Oscar Raynor
 9 O'Toole, William J.
 9 Ottonello, Robert Joseph
 9 Overbaugh, (Mrs.) Margaret Gibson
 9 Oviatt, David Lionel
 5, 9 Owen, Vincent Southworth
 9, 8 Packard, Dorothy Vivien
 8 Paddock, Carrie Louisa
 5, 9 Page, Alan Howard
 1 Page, Joseph Russell
 5, 9 Painter, George Crawford
 8 Palmer, Laura Alice
 9 Pancoast, Russell Thorn
 9 Pantzer, Oscar Hugo
 5, 9 Pao, Kuo Pao
 7 Papish, Jacob, B.S. (Valparaiso), 1910, A.M. (Indiana), 1917
 9 Parke, Rita K. B.
 9 Parker, Naomi Bennett
 9 Parker, Pauline Ross
 5, 9 Parker, Sanford Ruby, jr.
 7, 8 Parkinson, Harry G., A.B. (Waynesburg), 1911, B.S.A. (Illinois), 1913
 7, 9 Parmenter, Ralph Colby, A.B.
 9 Parmley, Henry Mark
 8 Parsons, Brainard North
 9 Parsons, Enith Alice
 8 Parsons, Florence Whitin, B.L. (Smith), 1909
 8 Parsons, Guy Charles, D.C. (Davenport), 1915
 7 Parsons, Julius Edward, B.S. (Cornell), 1919
 9 Parsons, Priscilla Bartlett
 9 Parsons, Theophilus, jr.
 4 Pascual, Vicente Parungao
 9, 8 Passow, Camilla, B.A. (Hunter), 1919
 4, 9 Patterson, Burke
 9 Pattison, Edward Hargrave
 9 Paul, Katharine Stevenson
 9 Paulin, Martha Grace
 2, 9 Pavlicek, Frederuci, jr.
 9 Paxon, Helen Louise
 9 Pearson, Esther Foster
 9 Pease, Harriet Russell
 1 Pease, Rodney Wesson
 9 Peck, Hubert Raymond
 9 Peer, Lyndon Arthur
 8 Pelletier, Antoinette
 9 Pendesy, Marcelle
 9 Pendleton, Fields Seeley, jr.
 9 Penfield, Marshal George
 2 Pentland, Henry Bishop
 8 Perce, Charles Clifford
 9 Pereyo, Luis Jesus, jr.
 9 Perin, Kate Presocia, B.A. (Cincinnati), 1908
 9 Perry, Henry Clinton Strawn
 8 Perry, Karl Gerhart, B.S. (Cornell), 1910
 9 Peters, Emily Earle
 9 Peters, Mary Edna
 8 Peynado, Julio Francisco
 9 Phillips, Charles Ainslie
 9 Phillips, Dorothy Randall
 8 Phillips, Eva Elizabeth
 9 Phillips, Ruth Sutherland
 9 Pick, Sydney Mortimer
 Pelham
 Lockport
 Cortland
 Alton, Ill.
 Montclair, N. J.
 Rutland, Vt.
 Mertensia
 Auburn
 New York City
 Buffalo
 New York City
 Syracuse
 Brooklyn
 Buffalo
 West New Brighton
 Albany
 Ottawa, Kansas
 Brooklyn
 Dayton, Ohio
 Brooklyn
 Trenton, N. J.
 Buenos Aires, Arg. Rep.
 Schenectady
 Johnstown
 Ithaca
 Albany
 Oswego
 Binghamton
 Greene
 Kittanning, Pa.
 Highland
 Miami Beach, Fla.
 Indianapolis, Ind.
 Shanghai, China
 Ithaca
 Detroit, Mich.
 Albion
 Binghamton
 Madisonville, Ky.
 State College, Pa.
 Portland, Me.
 Mahanoy City, Pa.
 Newark Valley
 Washington, D. C.
 Hempstead
 Newark, N. J.
 Sharon Springs
 Washington, D. C.
 Hempstead
 Arayat, Pampanga, P. I.
 New York City
 Wilkesburg, Pa.
 Troy
 Philadelphia, Pa.
 Bridgeton, N. J.
 New York City
 Haddonfield, N. J.
 Glens Falls
 Greenfield, Mass.
 Ithaca
 Washington, D. C.
 Deal Beach, N. J.
 Fall River, Mass.
 New York City
 Brooklyn
 Fulton
 Cleveland, Ohio
 Ithaca
 Humaness, P. R.
 Cincinnati, Ohio
 Jacksonville, Fla.
 North Craftsbury, Va.
 Downingtown, Pa.
 Worcester
 New York City
 Ithaca
 Washington, D. C.
 Naples
 Takoma Park, D. C.
 Newark, N. J.

- 9 Pickering, David Bedell, jr.
 9 Pickering, Silas Wright
 2, 9 Pickwick, Lambert Bishop
 8 Pierce, Leo Raymond
 9 Pignarre, Magdelene
 9 Pines, Lillian Jean
 2 Pioso, Robert Lyons
 7 Pittman, Ernest Edgar, B.S.A. (Kentucky), 1915
 7 Pitts, James Townsend, B.S. (Alfred), 1915
 9 Place, Willard Fiske
 5, 9 Plantinga, John Gilbert
 8 Platt, Emilie Louise, B.A., M.A. (Cornell), 1913
 9 Platt, Esther Mae
 9 Platt, Joseph Curtis, 3d
 9 Plowman, Ruth Anita, A.B. (Kansas), 1916
 9 Pond, Dorothy
 8 Pond, Louise
 8 Poole, Ragnhild Ramstad
 1 Poore, Leonard Lee
 9 Poorman, Marian Elizabeth, Mus. B. (Irving), 1909
 9 Poritsky, Hillel
 9 Porter, Carrie Estelle, A.B. (Goucher), 1908
 7 Porter, Joseph Pullman, B.S. (Cornell), 1917
 9 Porter, Mary Pullman
 9 Post, Arthur Wilson
 9 Post, Lawrence Francis
 9 Potter, Elnora Atwater
 5, 9 Potter, Harley Louis
 3, 9 Potter, Lloyd Gregory
 9 Potter, Mildred, A.B. (Cornell), 1918
 9 Potter, Olin Chester
 9 Potter, Ruth Frances
 5, 9 Potts, George Carson
 9 Potts, Marion Elsie, A.B. (Cornell), 1915
 9 Powell, Carol
 9 Powell, Eleanor Inez
 9, 8 Powell, Thomas Edward, A.B. (Elon), 1919
 9 Powers, Anna Elizabeth
 4, 9 Pratt, Roy Ernest
 8 Precht, Winifred Agnes, B.A. (Elmira), 1913
 1 Prellwitz, Edwin Mitchell
 9 Prentice, Marion Hart
 9 Prescott, Sarah Mabel
 5, 9 Pretat, Hamilton Grenelle
 4, 9 Prettyman, Jacob Edward
 8 Price, Anna Helen
 9 Pringle, Margaret Monroe
 9 Proctor, Gordon
 1 Proushan, David
 8 Provost, Eva Marian
 9 Prugh, Edwin Nevin, jr.
 4 Pujol, John B.
 9 Purdy, Alvin Canfield
 9 Purdy, Donald MacLean
 2 Purdy, Earl, B.S. (Colgate), 1915
 8 Pusey, Charles William
 9 Quackenbush, Franks
 5, 9 Quail, Wallace Blanche
 5 Quaintance, Richard Edgcombe
 9 Quayle, Harry
 7 Queiroz, Eduardo Ribeiro, V.M. (Rio, Brazil), 1918
 5, 9 Quesal, Frank
 2, 9 Quick, Clifford Daniel
 9 Quick, Ellen
 8 Quick, Francis Eugene
 8 Quick, Marguerite Marie
 5, 9 Quigley, Isaac Richard
 2 Quimby, George Ellis
 8 Quirk, Alice Theresa
 9 Rabi, Isidor Isaac
 9 Rafferty, Virginia Loretta
 5, 9 Ramirez, David Santiago
 9 Ramsay, Heien Herd
 9 Ramsay, James Alexander
 9 Ramsey, Ida May
 9 Ramsey, Nora May
 8 Randall, Ethan James, B.S., B.Ped. (Syracuse), 1913
 7, 9 Randolph, Lowell Fitz, Ph.B. (Alfred), 1916
 5 Ranno, Dwight Bontwell
 1 Raplee, Jay Wixson
 East Orange, N. J.
 East Orange, N. J.
 Newark, N. J.
 Arcade
 Sewanee, Tenn.
 Brooklyn
 Chicago, Ill.
 Mayfield, Ky.
 Nunda
 New York City
 Cleveland, Ohio
 Brooklyn
 Port Jefferson
 Scranton, Pa.
 Kansas City, Mo.
 Crown Point
 Crown Point
 Ithaca
 Concord Depot, Va.
 Reading, Pa.
 New York City
 Catonsville, Md.
 New Rochelle
 New Rochelle
 Utica
 Canton
 Ithaca
 Aurora, Mo.
 New York City
 Ithaca
 Collins
 Anderson, Ind.
 Philadelphia, Pa.
 Philadelphia, Pa.
 Fairmont, W. Va.
 Huntsville, Texas
 Warren Plain, N. C.
 North Wilbraham, Mass.
 Franklinville
 Elmira
 Pocom
 Detroit, Mich.
 West Springfield, Mass.
 Waterville, Conn.
 Seaford, Del.
 New York City
 Rose, Kansas
 Mamaroneck
 New York City
 Brooklyn
 Bellevue, Pa.
 Matayos, Cuba
 Middletown
 Ithaca
 Saratoga Springs
 Hamburg
 Herkimer
 Brooklyn
 New York City
 Pontiac, Mich.
 Para, Brazil
 Yonkers
 Ithaca
 Elizabeth, N. J.
 Newton Center, Mass.
 High Falls
 Grand Rapids, Mich.
 Brooklyn
 Batavia
 Brooklyn
 Moundsville, W. Va.
 Cabo Rojo, P. R.
 Yonkers
 Yonkers
 Huntington, W. Va.
 Garland, Texas
 King Ferry
 Alfred
 Washington, D. C.
 Watkins

- 5 Rapp, Theodore Goerge
 Rathbun, Edward Taylor
 4, 9 Rauh, Charles Edward
 9 Raunheim, Selli Luella
 9 Raymer, Paul Hutcheson
 5 Reynolds, Harold
 5 Read, Stuart Arthur
 9 Ream, Fern
 7 Reaman, George Elmore, B.A., B.Paed. (Toronto), 1911, M.A. (Queens), 1913, 1916
 9, 8 Rebuschatis, Marion
 4, 9 Recknagel, John Herman, 3d
 9 Reed, Grace May
 9 Reed, Jane Riehl
 9 Reed, Laurence Andrew
 9 Rees, L. Gertrude
 4, 9 Reese, Charles Elwood
 9 Reeve, Ralph Tichenor
 9 Reeves, Burnett Allen
 5, 9 Reguera, George
 5 Reid, Kirk Mendenhall
 9 Reider, Hilda A.
 7 Reidy, Margaret Mary, A.B. (Cornell), 1908
 5 Reiley, James McKendree, jr.
 9 Reiley, Marion Townsend
 9 Reineman, Howard Hartje
 9 Reiner, Florence Louise
 8 Reisler, Elizabeth
 5 Reith, Marie
 9 Remick, Arthur Edward
 9, 8 Rente, Marie Katherine
 9 Reuther, Bernard Oscar
 1 Reyes, Javier Vanga
 5 Reyna, Leon Crescencio
 9 Reynolds, John Fagg
 5, 9 Reynolds, Samuel Henry
 5, 9 Rhodes, Howard Erastus
 9 Rice, Stella Florence
 5 Richardson, Luther Locke
 5, 9 Richardson, Lycurgus Walton
 9 Richardson, Margaret Lee
 8 Richardson, May Zulieka, A.B. (Alfred), 1917
 8, 9 Richeson, Ruth
 9 Richford, Martha Field
 5, 9 Rickard, Eric Martyn
 8 Rider, Helen
 9 Riefler, Louise Lulu
 8 Riker, Ruth Jean
 4 Riley, John Philip
 9 Riley, Ralph Lawson
 5, 9 Rinck, Carlman Martin
 9 Rinck, Katie May
 9 Rippard, Helen Watkins
 9 Rites, Marion Burhanse
 8 Ritter, William Frederic
 8 Robbins, Mary Ellen
 9 Roberson, Fannybel
 8 Roberts, Allan Norman
 5 Roberts, Hamilton Harvey
 4, 9 Roberts, Henry Allison
 1 Robin, Paul
 4, 9 Robinson, Cecil Stanley
 8 Robinson, Edith Naomi
 8 Robinson, Elmina Curtice
 9 Robinson, Lucena Knight, A.B. (Smith), 1917
 7, 9 Robison, George Merritt, A.B., M.A. (Cornell), 1916, 1917
 9 Robnett, Dorothy
 8 Robyn, Ethel
 8 Rock, Josephine Gonzaga
 9 Roderick, Edward Elias
 9 Rodger, John Aldrich
 9 Rodgers, Bertha
 9 Rodriguez, Juan Carlos
 1 Roehl, Louis Michael
 5, 9 Roelofs, Charles Richard
 1 Roenne, Henry
 9 Rogers, Alice Justina
 9 Rogers, Louise Remington
 9 Rogers, Martha Adella
 5, 9 Rombach, Fred Wilson
 Delanco, N. J.
 Toledo, Ohio
 West Hoboken, N. J.
 New York City
 Beaver, Pa.
 New York City
 Milwaukee, Wis.
 Crawfordsville, Ind.
 Woodstock, Ont., Canada
 Washington, D. C.
 Brooklyn
 Springfield, Mass.
 Philadelphia, Pa.
 Springfield, Mo.
 Coatesville, Pa.
 Westfield, N. J.
 Westfield, N. J.
 Lyons
 Buenos Aires, Arg. Rep.
 Warren, Ohio
 Trevorton, Pa.
 Ithaca
 Buffalo
 Ithaca
 Pittsburgh, Pa.
 Alden
 Quakertown, Pa.
 New York City
 New Rochelle
 Harrison
 Ithaca
 Barceloneta, P. R.
 Ithaca
 St. Louis, Mo.
 Waterbury, Conn.
 Greene
 New Market, Ind.
 Brooklyn
 Hamilton, Ont., Canada
 Meridian, Texas
 Westons Mills
 Union City, Ind.
 Elmira
 Summit, N. J.
 Ellicottville
 Honesdale, Pa.
 Spencer
 Bellows Falls, Vt.
 Ithaca
 Trenton, N. J.
 Mahanoy City, Pa.
 Baltimore, Md.
 Ithaca
 Philadelphia, Pa.
 Monson, Mass.
 Robersonville, N. C.
 Potsdam
 Lexington, Ky.
 Ossining
 New York City
 Ithaca
 Long Lake
 Genesee
 East Greenwich, R. I.
 Cranberry Creek
 St. Louis, Mo.
 Clifton Springs
 Belfast
 Plains, Pa.
 New York City
 Washington, D. C.
 Buenos Aires, Arg. Rep.
 Ithaca
 Ben Avon, Pa.
 New York City
 Olean
 Eastport
 Wilmington, Del.
 Watsontown, Pa.

- 9 Rometsch, William Henry, jr.
 9 Root, Helen Mariette
 9 Rose, Clinton William
 9 Rose, Susan Amanda, B.A. (Elmira), 1889
 8 Rosenbloom, Leona
 8 Rosenblum, Ella
 9 Rosenkranz, Edna Lillian, A.B. (Smith), 1905
 9 Rosett, Amy Louise
 1 Ross, George Marcus
 9 Ross, James Albert
 2 Ross, John William
 9,4 Ross, Robert Myers
 9 Roth, Calla Beatrice
 9 Roth, Irene Hayle
 9 Rowe, Lillian Margaret, A.B. (Gettysburg), 1913
 9 Rowe, Mildred Eunice, A.B. (Mount Holyoke), 1915
 1 Royce, Elizabeth Hurd
 9 Rubinfield, William
 8 Ruchti, Mary Louise
 9 Rudell, Tessie
 9 Rugh, Margaret Blanche
 9 Rumbley, Blanche
 9 Rummer, Leola L., A.B. (Syracuse), 1916
 5 Ruoff, Frederic Lexington
 9 Russell, Dorothy Collins
 9 Russell, Ellen L.
 9 Rutenber, Charles Blackmer
 9 Ruttenberg, Joseph
 9 Ryan, Gertrude Frances
 9 Ryder, Gertrude Cooper, B.Mus. (Syracuse), 1919
 9 Saam, George William Anton
 5,9 Sachs, Kelvin Norman
 8 Sackett, Jean Frances
 9 St. John, Elizabeth Louise
 8 Salcedo, S. Hernandez
 5 Salmow, Daniel
 9 Salomon, Marion
 9 Saltmarsh, Frances Morse
 5,9 Sampson, Frederick William
 9 Samson, Hector Bradford
 4,9 Sanchez, Charles Albert
 9 Sandt, Louise
 1 Sandford, Hazel
 9 Saperston, Irving Leonard
 7 Saphir, Herbert, A.B. (Cornell), 1919
 9 Sarafran, John Richard
 9 Satterthwaite, Alvin Lynam
 9 Saunders, Mary Emily, Ph.B. (Alfred), 1917
 9 Sauters, Thomas Espy
 5,9 Savoye, Louis Frank
 5 Savoye, Walter Tracy
 9 Saxby, Helene Steer
 4,9 Scacciaferro, Salvator John
 9 Scarlett, Adelaide E. L.
 9 Schaaft, Martha Elizabeth
 9 Schade, John Alan
 4,9 Schaefer, John Jacob Vogt
 9 Schaefer, Walter Richard
 9 Schaeffer, Helen Flora
 8 Scheel, Mae Catherine, B.A. (Hunter), 1914
 3,9 Scheer, Archie Donald
 9 Schellhase, Elizabeth Anne
 4 Schempf, Robert
 7 Schindler, Theresa Elizabeth, B.A. (Mount Holyoke), 1906, M.S. (Cornell), 1918
 9 Schill, Edmund
 9 Schiller, Regenia LaMosse
 8 Schilling, Carl Emerson, B.S. (Colgate), 1919
 8 Schilling, Ralph George
 9 Schively, Donald Roots
 9 Schlesinger, Charles Jackson, B.S. (Cornell), 1919
 7,9 Schmidt, August, jr., M.E. (Cornell), 1919
 4 Schmidt, Margaret Veronica
 5 Schmidt, William Stouffer
 3,9 Schnee, Vernon Higgs
 9 Schneider, Mildred Madeline
 3,9 Schnell, Harry Julius, jr.
 8 Schneeker, Frances, B.A. (Hunter), 1914
 9 Schnicker, Louise Amelia
 9,8 Schnitzler, Anna Marie, A.B. (New York State), 1917
 9 Schoellkopf, William Graebe
- Germantown, Pa.
 New Orleans, La.
 Ithaca
 Elmira
 Buffalo
 New York City
 East Stroudsburg, Pa.
 New York City
 Binghamton
 Dryden
 Chicago, Ill.
 Sheldon, Ill.
 North East, Pa.
 Pottsville, Pa.
 Gettysburg, Pa.
 Concord, N. H.
 Ithaca
 Jersey City, N. J.
 Ava
 Oklahoma City, Okla.
 Salina, Pa.
 Chanute, Kansas
 Dryden
 Binghamton
 South Dartmouth, Mass.
 Muncie, Ind.
 Walden
 Brooklyn
 Au Sable Forks
 Carmel
 Brooklyn
 Hartford, Conn.
 Churchville
 Meridian, Miss.
 Colombia, S. A.
 Brooklyn
 New York City
 New York City
 Muncie, Ind.
 Dunsmore, Pa.
 Guatemala City, C. A.
 Portland Pa.
 Angola
 Buffalo
 Brooklyn
 Woodhaven
 Stanton, Del.
 Alfred
 Martins Ferry, Ohio
 Westfield, N. J.
 Brooklyn
 Tampa, Fla.
 West New York, N. J.
 Livingston, N. J.
 Washington, D. C.
 Holyoke, Mass.
 New York City
 New York City
 Fleetwood, Pa.
 Flushing
 Newark
 Wheeling, W. Va.
 New York City
 1918 Gloversville
 Newark, N. J.
 Wilkes-Barre, Pa.
 Albany
 Albany
 Ithaca
 New York City
 Ithaca
 New York City
 Bellefonte, Pa.
 Cleveland, Ohio
 Buffalo
 South Orange, N. J.
 New York City
 New York City
 Kingston
 Buffalo

- 9 Schoepflin, Frederick Foeller
 8 Schroll, Laura Elizabeth
 1 Schroeder, Carl H.
 4 Schroeter, Robert Huber
 8 Schumann, Anna Voorhees, B.S. (Cornell), 1918
 9 Schurman, Jacob Gould, jr., A.B. (Cornell), 1917
 9 Schustek, Irving Allan
 9 Schwaninger, Mary Alice, A.B. (Western Maryland), 1913
 9 Schweitzer, Gretchen
 9 Scobey, Ralph Roy
 6 Scott, Edith
 9 Scott, Florence Elsie
 5 Scott, Frederick Bartlett, jr.
 9, 4 Scott, Owen Wallace
 3, 9 Scott, Walter Lee
 9 Scoville, Gad Parker, B.S.A. (Cornell), 1910
 9 Seabury, Anne Elizabeth
 8 Seager, Helen Ada
 1 Seale, Frank Bell
 9 Searles, Sarah Naomi
 8 Sears, Esther Aileen, A.B. (Smith), 1917
 8 Secor, May
 7, 8 Seder, Merlin LeRoy, B.S.A. (Iowa State), 1916
 9 Sedgwick, Ruth
 9 Seeley, Edna Irene
 9 Seifreat, Edgar John
 1 Sein, Francisco Cebollero
 9, 8 Sein, Rita Juana
 9 Sellers, Elizabeth
 4 Senecal, Henry Jess
 9, 8 Seybolt, Crosby Jordan
 5 Seymour, Alonzo Morton
 9 Shane, Gertrude Elizabeth, Ph.B. (Westminster), 1918
 9, 5 Shaner, Bernard Kind
 9 Shapiro, Hannah Franks
 9 Shapiro, Selma Laura
 9 Sharp, Eleanor
 9 Sharp, Jean Elizabeth
 9 Sharp, Lee Harrison
 8 Sharpe, Grace Lenore
 9 Shaw, Helen Irene
 1 Shaw, Arnold Campbell
 9 Shaw, John Balcom, jr.
 9 Shaw, Kenneth Marshall
 8 Shay, Helen Elizabeth
 9 Shearer, Harold Milton
 9 Shelby, Dana McGraw
 9 Sheldon, David Leslie
 9 Shelton, Otis Norcross
 1 Shemin, Ralph
 9 Shen, Yuen Ting, M.S. (Columbia), 1919
 7, 9 Sheppard, Hubert, A.M., A.B. (Okla. State), 1917
 5, 9 Sherman, Kenneth Ralph
 2 Sherwood, Coleman Hobart
 8 Sherwood, Florence Kathryn, B.S. (Cornell), 1917
 9 Sherwood, Glenn Orlando
 9 Sherwood, Harold Tallman
 9 Sherwood, Lillian Ethel, B.S. (Adelphi), 1919
 7, 9 Shimada, Koichi, B.C. (Waseda), 1917
 8 Shoemaker, Joe Rollin
 9 Shourek, Julia Amy
 9 Shull, Arthur Lewis, A.B. (Findlay), 1916
 8 Shumaker, Lena
 1 Sibley, Charles Kerr
 5, 9 Sidway, James
 9 Siebert, Willard Wilson
 2 Siering, Robert LeRoy
 9 Sigler, John Bernard
 9 Signor, Florence Rae, Ph.B. (Syracuse), 1910
 9, 7 Silva, George, M.E. (Cornell), 1919
 5, 9 Sim, Lowne Hollard
 5, 9 Simmen, George Pestalozzi
 5, 9 Simmons, Charles William
 9, 8 Simonds, Walter Wesley
 5 Simons, Mayrant
 8 Sindlinger, Lewis Emerson
 4, 9 Sines, Bernard Sterling
 9 Singer, Florence Elton
 5, 9 Singleton, Edward Chary
 5, 9 Singleton, John Hawkins
- Buffalo
 Fort Wayne, Ind.
 State College, Pa.
 Marion, Ohio
 Rushville
 Ithaca
 New York City
 Trappe, Md.
 Brooklyn
 Syracuse
 Englewood, N. J.
 Pontiac, Mich.
 Syracuse
 Binghamton
 Franklin, Pa.
 Ithaca
 Hempstead
 Randolph
 Benchley, Texas
 Cedarhurst
 Syracuse
 New York City
 Waseca, Minn.
 New Haven, Conn.
 Elmira
 Dayton, Ohio
 Lares, P. R.
 Lares, P. R.
 West Chester, Pa.
 Watertown
 Oneonta
 Peekskill
 McDonald, Pa.
 New York City
 Brooklyn
 Brooklyn
 Geneva
 Bridgeton, N. J.
 Cato
 Ithaca
 Ithaca
 Central Valley
 Cambridge, Mass.
 Denver, Colo.
 New Paltz
 Ithaca
 Danville, Ky.
 Winsted, Conn.
 Dunkirk
 New York City
 Ithaca
 Ithaca
 Sag Harbor
 Yonkers
 Freeville
 Alpine
 Spring Valley
 Interlaken
 Philadelphia, Pa.
 Hamburg
 Pittsburgh, Pa.
 Findlay, Ohio
 Silver Creek
 Kingston
 Syracuse
 Pittsburgh, Pa.
 New York City
 Ithaca
 Barton
 Santiago, Chile
 Johannesburg, South Africa
 Washington, Pa.
 Watertown
 Rochester
 Summerville, S. C.
 Ithaca
 Washington, D. C.
 Germantown, Pa.
 St. Louis, Mo.
 St. Louis, Mo.

- 9 Siu, Poy Jo
 8 Skidmore, Lanson Bigelow
 9 Skirvin, Orron William
 9 Slade, Florence
 9 Slade, James Jeremiah
 9 Slater, Hollis Marie
 9 Sleicher, Paul
 9 Sleichter, Harry
 8 Sloan, Lotta Orr
 8 Slocum, Charlotte Ruth
 5, 9 Sly, Leslie Ward
 9, 8 Small, Iris
 4, 9 Small, Michael Spahr
 8 Smart, Edythe Marion, B.S. (Adelphi), 1918
 8 Smith, Ada Kenia, A.B. (Syracuse), 1909
 9, 8 Smith, Ada Maude
 4 Smith, Alger James
 9 Smith, Alice Louise
 9 Smith, Alpheus Waldo
 9 Smith, Andella V. I.
 9 Smith, (Mrs.) Besse Edmonds
 9 Smith, Ealine
 8 Smith, (Mrs.) Florence Fagnée
 9 Smith, Florence Louise, B.A. (Wilson), 1914
 9 Smith, Frank Jonathan, B.A. (Amherst), 1914
 2, 9 Smith, George Herbert
 8 Smith, Harriet Reynolds
 9 Smith, Hazel Roena
 8 Smith, Helen Fisher, Ph.B. (Vermont), 1907
 8 Smith, Helen F.
 3, 9 Smith, Irving Carleton
 4, 9 Smith, John Harrison
 4, 9 Smith, John William
 4, 9 Smith, Joseph Edward
 5, 9 Smith, Lawrence Randolph
 5, 9 Smith, Lawrence Victor
 5 Smith, McNeir
 9 Smith, Marjorie Wilhelmina
 9 Smith, Mary Eloise
 9 Smith, Milton, jr.
 9 Smith, Rosabell Gravatt
 1 Smith, R. Wallace
 5 Smith, Seward Marcus
 9 Smith, Sherman
 1 Smith, Walker
 3, 9 Snibbe, George William, jr.
 4 Smook, Joseph Murray
 5, 9 Snow, Howard Bartley
 9 Snyder, Baird
 9 Snyder, Laura Virginia
 9 Snyder, Norman
 9 Snyder, Verdie Elizabeth
 5, 9 Snyder, Victor Joseph
 9 Solomon, Edward Lawrence
 4, 9 Soloway, Israel Lawrence
 9 Sommerville, James Harris
 9, 8 Soskin, William
 9 Sothern, Richard James
 9 Sotomayor, Alfonso Valenzuela
 5, 9 Southard, Townsend Franklin
 7 deSouza, Moacyr Alves
 9 Spahr, Mary Burchard, A.B. (Wellesley), 1918
 5, 9 Spangberg, Leonard Victory
 9 Sparks, Norman Robert
 9 Spath, Edna Marie
 9 Spaulding, Thomas William
 5, 9 Spear, Kenneth Barney
 5, 9 Speer, Franklin Raub
 9 Sperry, Warren Myron
 5 Spindler, Norman John
 4, 9 Spivak, William
 9 Spooner, Florence M., B.A. (New York State), 1915
 8 Springer, Gordon Bennett
 9, 8 Springer, Mildred Olivia
 5 Squires, Andrew Mouhot
 5 Stacy, Stanley Consider
 7 Stadler, Lewis John, A.B., (Florida), 1917, A.M. (Missouri), 1918
 7 Stafford, Ethelbert Withrow, B.S.A. (Toronto), 1909, M.S. (Chicago), 1914
 9 Stahl, George Springer
 Hong Kong, China
 Westfall
 Oklahoma City, Okla.
 Mexico City, Mex.
 Mexico City, Mex.
 Grove City, Pa.
 Albany
 Kansas City, Mo.
 Chicago, Ill.
 Binghamton
 East Aurora
 Buffalo
 York, Pa.
 Brooklyn
 Oneonta
 Mount Vernon
 Corning
 Cornwallville
 Ithaca
 Ithaca
 Bryn Athyn, Pa.
 Laudendale, Miss.
 New York City
 Waynesboro, Pa.
 New York City
 Ithaca
 Eureka
 Silver Creek
 Vergennes, Vt.
 Buffalo
 Brooklyn
 Ithaca
 New Hartford
 Durham, N. C.
 Cincinnati, Ohio
 Toledo, Ohio
 Washington, D. C.
 Honesdale, Pa.
 Rochester
 Denver, Colo.
 Philadelphia, Pa.
 Brooklyn
 Wilkes-Barre, Pa.
 Laffin, Pa.
 Minneapolis, Minn.
 Catonsville, Md.
 New York City
 Yonkers
 Pottsville, Pa.
 Allentown, Pa.
 Ithaca
 Monroe, N. C.
 Harrisburg, Pa.
 Beaver Falls, Pa.
 New York City
 Canajoharie
 New York City
 Ithaca
 Cordoba, Spain
 Ocean Side
 Minaz, Brazil
 New York City
 Tarrytown
 New Rochelle
 Dillsburg, Pa.
 Oakland, Cal.
 New York City
 Washington, D. C.
 Lincoln Park
 Olean
 Brooklyn
 Fort Plain
 Genoa
 Triadelphia, W. Va.
 Greenport
 Buffalo
 St. Louis, Mo.
 Agricultural College, Miss.
 Toledo, Ohio

- 9 Stainton, Walter Hutchinson
 9 Stanley, Maud Cummings
 1 Stanton, George Harold
 9 Stanton, Leona Laird
 9 Stark, Jesse David
 9 Stark, Jessie Elizabeth
 9 Stasch, Emil Robert, 3d
 1 Stauffer, George Maurice
 9 Stebbins, Edna
 5, 9 Steczynski, Myron Edward
 9 Steel, Robert Wenzin
 9 Steele, Irving William
 9 Steele, Mary Charlotte
 7 Steelman, Lloyd Wesley, B.S. (Cornell), 1917
 2 Steffens, Frederick Robinson
 9 Steiner, Frederick A., A.B. (Hunter), 1902
 9 Steiner, Violet Catherine
 9 Stephens, Florence Catharine
 8 Stephens, Leon Mason
 1 Stephenson, Hadley Carruthers
 9 Stevens, Gertrude Aitken
 9 Stevens, Laurence Edwin
 2 Stevens, Robert William
 9 Stewart, Douglas
 5 Stewart, Harland Hubbard
 9 Stilson, Chester Benton
 9 Stilwell, Lelya Chisholm
 6, 9 Stine, George Haeberle
 9 Stivers, Mary Newman
 9 Stockett, John Wesley, jr.
 9 Stone, George, M.E. (Cornell), 1919
 8 Stone, Jane
 9 Stone, Katharine Weaver, B.A. (Adelphi), 1904
 5, 9 Stone, Linton
 9 Stone, Lucy Evelyn
 9 Stone, Mary Matilda, B.A. (Barnard), 1896
 7, 8 Story, Chauncey Bingham, B.S.A. (Vermont), 1908
 9 Story, Marie
 9 Stowell, William Curtis
 9 Strachan, Margaret Jane
 5, 9 Strack, Ernest Victor
 5, 9 Strahan, Henry Clark
 5, 9 Stratford, Frederic Franklyn
 8 Stratton, Ralph Orcutt
 5 Strauss, John Noble
 9, 8 Street, Alice Juliet
 8 Strickland, Hazel Ida
 9 Strickler, Daniel Bursk
 9 Strong, Charlotte Louise
 9, 8 Stroup, Effa Christina
 9 Stuart, Lyman Knight
 9 Stuber, Benjamin Franklin
 9 Stuermer, Francis Harnisch
 9 Sturms, Harry Risbrough
 7, 9 Stutsman, Rachel, A.B. (Missouri), 1919
 9 Sullivan, Bertha Elizabeth
 8 Sullivan, Eugene Bernard
 1 Sun, Yu Faung Russell
 7, 9 Sun, Kno-Feng, B.S. (Deking), 1916, M.S. (Cornell), 1919
 9 Sundstrom, Charles Alfred
 4, 9 Sutherland, Andrew Gates
 8 Sutherland, Isabella, B.S. (New York State), 1910
 8 Swanson, Ralph Edwin
 9 Swanson, Sigurd Benedict
 9 Swartwood, Esther R.
 9 Swartz, Louise Hobbs
 9 Sweeney, Katherine Mary
 9 Sweet, Marjorie Eloise
 5 Swigert, William Gorrill
 9 Takahashi, Starn
 9 Taliaferro, Donald Francis
 8 Talmadge, Pearl
 1 deTamble, Paul Allen
 9 Tan, Shao Fan
 4 Tang, Cheng Long
 8, 9 Tang, Chen-Yew
 9 Taub, Joel
 9 Tausk, Alfred Alphonso, A.B. (Cornell), 1909
 9 Taylor, Bayard Eugene
 5, 9 Taylor, Edward Winthrop
- Utica
 Batavia
 Glen Ridge, N. J.
 Pittston, Pa.
 Brooklyn
 Huntington, W. Va.
 Corning
 Elizabeth, N. J.
 Ithaca
 Cambridge Spa, Pa.
 Lansdowne, Pa.
 Fairport
 McLean
 Newton, Ohio
 Washington, D. C.
 New York City
 Brooklyn
 Pottsville, Pa.
 Albion
 Ogdensburg
 Dundoff, Pa.
 El Paso, Texas
 Huntington, Ind.
 Plainfield, N. J.
 Geneva
 Cortland
 Meridian, Miss.
 Niagara Falls
 Cold Spring Harbor
 Washington, D. C.
 Edgemoor, Del.
 Syracuse
 Brooklyn
 Wilmington, Del.
 New York City
 Brooklyn
 Plainfield, Vt.
 Brooklyn
 New York City
 Howard, Kansas
 Spring Valley
 Wappingers Falls
 Jersey City, N. J.
 Clifton Springs
 New York City
 Rochester
 Andover
 Columbia, Pa.
 Interlaken
 Xenia, Ohio
 Newark
 Akron, Ohio
 Philadelphia, Pa.
 Concord, N. H.
 Kansas City, Mo.
 Ithaca
 New York City
 Shanghai, China
 Changton, China
 Middletown
 Kittanning, Pa.
 New York City
 Dunkirk
 Bridgeport, Conn.
 Factoryville, Pa.
 Frederick, Md.
 Ballston Spa
 New Kensington, Pa.
 Portland, Ore.
 New York City
 Topeka, Kansas
 Newburgh
 Edgewater, N. J.
 Shanghai, China
 Hupeh, China
 Nan Fung, China
 Newark, N. J.
 Brooklyn
 Oak Park, Ill.
 Chicago, Ill.

- 9 Taylor, Franklin
 5 Taylor, Henry Leary
 9 Taylor, Mary Alice, A.B. (Swarthmore), 1909
 5 9 Taylor, Reese Hale
 5 9 Taylor, Robert Potter Aiken
 9 Taylor, William Gardner
 2 9 Teare, George William
 5 9 Teed, Ralph Herman
 9 Temko, Anna
 8 Templin, Mary Elizabeth
 1 Ten Eick, Charles Watson
 5 9 Tennygold, Kopple
 9 Teresewitz, Joe
 9 Terry, Whitelaw Todd
 5 Thakkur, Khimji Bhanji
 7 9 Thalman, Wellington Albert, A.B. (Ellsworth), 1917
 9 Thalman, William John, Mus.B. (Ellsworth), 1919
 5 9 Thearle, Ernest Lathrop
 9 Then, John William
 9 Thomas, Frank Howard, jr.
 7 8 Thomas, Martha, B.S. (Columbia), 1916
 9 Thomas, Robert Mathias
 9 Thomas, Robert White
 8 Thomas, Roy Frank, B.S. (Maine), 1917
 4 Thomas, William Raymond
 8 Thompson, Anna Ford
 9 Thompson, Blanche Ethel, S.B. (Chicago), 1907
 9 Thompson, Edwin Groot
 9 Thompson, Frederick Howe
 9 Thompson, Helen L. W.
 5 9 Thompson, Howard Dresel
 6 Thompson, Lawrence Dorland, B.S. (Rutgers), 1917
 9 Thompson, Ralph Perrin
 6 Thompson, Sidney Attilio, A.B. (Wesleyan), 1918
 9 Thorpe, Leah Viola
 9 Thrall, William North
 8 Thrasher, Annie Blackburn
 9 Thropp, May Ashmore
 7 9 Tiffany, Winureeta Tiffany, A.B. (Juniata), 1917
 8 Tilden, Martha Roseland
 9 Timlin, Constance Josephine
 9 Ting, Flora Soo Yui
 5 9 Tinker, Charles DeGolyer
 2 Tinkham, Norman Richard Murdock
 7 9 Titchener, John Bradford, A.B. (Clark), 1917
 8 Titus, Hazel Jane
 9 8 Titzel, M. Helen, B.S. (Hood), 1899
 5 9 Toadvine, Stephen Purnell
 5 9 Todd, Kennett Russell
 9 Todd, Velera Ethel
 9 Toksvig, Gudrun
 8 Tompkins, Elizabeth Heydon
 9 Tomson, Lorena Mary
 9 8 Tonge, Catherine Mary
 5 9 Tonkins, Maurice Bradley
 7 Tonow, Paul Takuma
 9 Tooke, Harriet Amy, Mus.B. (Syracuse), 1918
 9 Topkins, Eva
 9 Toplitt, Abraham
 8 Topp, Elizabeth Leigh
 9 Torbert, John Guy
 8 Towne, Beatrice Emma
 8 Townlev, Grace, B.S. (New York State), 1916
 9 8 Townsend, Clare Davis
 9 Townsend, Leslie Bower
 8 Tracy, Carlotta Mae
 8 Tracy, Lucie Anna
 5 9 Trainer, David, jr.
 7 Traver, Jay R., A.B. (Cornell), 1918
 9 Tresise, Amy Richards, B.A. (Wells), 1917
 5 9 Trethaway, William, jr.
 9 Trevor, Barvara
 9 Troeck, Martha Dorothy
 9 Troughton, Martha Virginia
 9 Truitt, Edith Winfield
 5 9 Tu, Kuang Tsu
 9 Tumpson, Martha, Pd.B. (New York State Normal), 1901
 9 Tung, Shih
 9 Turner, Eva
 9 Turner, Helen May
- Wilmington, Del.
 Roland Park, Md.
 Upland, Pa.
 Los Angeles, Cal.
 Philadelphia, Pa.
 Ithaca
 East Cleveland, Ohio
 Springfield, Mo.
 Richmond Hill
 Philadelphia, Pa.
 New York City
 Saratoga Springs
 Wilkes-Barre, Pa.
 St. Louis, Mo.
 Bombay, India
 Radcliffe, Iowa
 Iowa Falls, Iowa
 Chula Vista, Cal.
 Rochester
 Wilmington, Del.
 Brownsville, Tenn.
 Joliet, Ill.
 Rochester
 Orono, Me.
 Washington, D. C.
 Summit, N. J.
 New Haven, Conn.
 Cleveland, Ohio
 Trumansburg
 Pittsburgh, Pa.
 Littleton, N. H.
 River Edge, N. J.
 Winter Haven, Fla.
 Greenwich, Conn.
 Ithaca
 West Rutland, Vt.
 Washington, D. C.
 Trenton, N. J.
 Huntington, Pa.
 York Corner, Me.
 Concord, N. H.
 Shanghai, China
 Sharon, Pa.
 Jamestown
 Ithaca
 Presho
 Lancaster, Pa.
 Williamsport, Pa.
 Pittsburgh, Pa.
 Murfreesboro, Tenn.
 New York City
 Albany
 Anderson, Ind.
 Washington, D. C.
 Washington, D. C.
 New York City
 Solvay
 Califon, N. J.
 New York City
 Brooklyn
 Ithaca
 Sanquoit
 Blacksburg, Va.
 Ithaca
 Ithaca
 Vergennes, Vt.
 Sherburn
 Calgary, Alta., Canada
 Willoughby, Ohio
 Williamsville
 Wilkes-Barre, Pa.
 Ithaca
 Brooklyn
 McLean, Va.
 Asheville, N. C.
 Shanghai, China
 New York City
 Shanghai, China
 Malcolm, Md.
 Kingston

9	Turner, Joseph Warren	Denver, Colo.
2	Tuttle, Charlotte Campbell	Wilmette, Ill.
8	Tuttle, Ethel Louise	Warsaw
5	Tuttle, Malcolm Harley	Honolulu, Hawaii
3, 9	Tuttle, Tracy	King Ferry
5	Tyler, Walter Arnold	Brooklyn
9	Tyson, Harold Canfield	Unadilla
9	Uhlmann, Richard Frederick	Chicago, Ill.
9	Ullman, Frederic David	Buffalo
4, 9	Underwood, Bert Orland	Summit, N. J.
9	Underwood, Harry Charles	Buffalo
9	Underwood, Robert Stannard	Summit, N. J.
4, 9	Underwood, Willard Lane	Deposit
8	Upright, (Mrs.) Maud Livingston	Highland
5	Upstill, Edgar Daye	Cleveland, Ohio
9	Urquhart, (Mrs.) Jane McKelway, A.B. (Cornell), 1913	Ithaca
1	Usher, Robert Reese	East Hamilton
9	Vail, Carl Everett	Peconic
9	Van Arsdale, Harriett	Alden
8	Van De Boe, Louis Bristo	Claverack
9	Van De Mark, N. Marie	Lockport
9	Vandervort, Maxwell Wheaton	Liberty
9	Vandevere, J. Lilian	Philadelphia, Pa.
3, 9	Van Duzee, Edward Keath	Hamburg
9	Van Etten, Charles Richard	Brooklyn
9	Van Horn, Hallie Florine	Salem, W. Va.
9	Van Kirk, Ruth Stratton	Newfield
5	Van Valkenburg Kenneth Hastings	New York City
4	Van Valkenburg, Paul Iretus	Richmond Hill
7	Van Volkenberg, Horatio Luther, D.V.M., B.S. (Cornell), 1918, 1919	Springville
5	Varona, Michael Chinchilla	Havana, Cuba
8	Vaughn, Ada Mayham, B.S. (Columbia), 1919	Richmondville
9	Venable, Martha Addison	Marlton, N. J.
1	Vettel, Henry	New York City
9	Vieweg, Hermann Frederick	Elmira
8	Vinograd, Bertha Myrtle	New York City
7	Vinson, Carl George, B.S. (Missouri), 1916	Carrollton, Mo.
7	Vizioli, Jose	Piracicaba, Brazil
1	Volkert, Robert Morris	New York City
5	Volkhardt, Aquila Nebeker	Stapleton
9	Vose, Richard Shepard	New Brunswick, N. J.
9	Waddell, Mary Allington	Canandaigua
9	Waddell, Pearl	Bridgeport, Ohio
9	Wagar, Humphrey Robinson	Washington, D. C.
9	Wagner, Minne May	Reading, Pa.
9	Waite, Virginia Frances	Huntington, Pa.
9	Wakeley, Thompson Morris	Omaha, Neb.
8	Wales, Emma Marie	Elizabeth, N. J.
8	Walker, Charles Sumner	Albany
8	Walker, Leanora Nelson	Northumberland, Pa.
5, 9	Walker, Leon B.	Wilkinsburg, Pa.
9	Walker, Mary Atkinson	Ridgewood, N. J.
9	Walker, Mary Washington, A.B. (Randolph-Macon), 1912	Spray, N. C.
1	Walker, May	New York City
8	Walker, Norma Christine	Silver Creek
9	Walker, William Allen	Byron
8	Wall, Clarence Henry	Delhi
4	Wallace, Aaron Van Duzer, jr.	Goshen
8	Wallace, Glenn Leland, B.S. (Cornell), 1913	Jordan
9	Wallach, Sadie	Buffalo
9	Walter, Richard Wiley	Brooklyn
9	Wang, Chieh-Yao, M.C.E. (Cornell), 1919	Chikiang, China
9	Ward, Albert John	Ithaca
9	Ward, Arthur Edward	Syracuse
9	Ward, May Francis	Brooklyn
5, 9	Ward, Nairne Forsyth	Lockport
2	Warden, Robert Bruce	Washington, D. C.
9	Wardwell, George Riscloy	Oil City, Pa.
5, 9	Wardwell, Jerome Kenith	Union Springs
7	Ware, Jacob Osborn, B.S., M.S. (North Carolina State), 1916, 1918	Kings Mountain
9	Warne, Cecelia Jeanette	Ithaca
9	Warner, Jennie Ellma	Horseheads
8	Warren, Cora	Vineland, N. J.
9	Warwick, Orville Hamilton	Chicago, Ill.
9	Waters, Annie Elizabeth	Oneonta
5	Watkins, Frederic Moore	Ithaca
9	Watkup, Sara Elizabeth	Williamstown, Pa.
8, 9	Watt, John Murker	Honolulu, Hawaii
5, 9	Watt, Ronald George	Honolulu, Hawaii
5, 9	Weaver, William Daniel	Lancaster, Pa.

- 7 Weaver, William Jack, B.S. (Massachusetts), 1912
 9 Webb, Mary Alberta, D.S. Mus. (Peabody Conservatory), 1917
 2 Weber, Arthur August
 9 Weber, Lucy Rebecca
 9, 8 Weber, Lynda Marguerite, B.A. (Wisconsin), 1908
 9 Webster, Margaret Aileen
 7 Webster, Robert Lorenzo, A.B. (Illinois), 1908
 9 Weddell, Mary Norcom
 7, 9 Weeks, Dorothy Walcott, B.A. (Wellesley), 1916
 9, 8 Weeks, Hazel Geraldine
 9 Wegner, Fritz William
 7 Wehrle, Lawrence Paul, B.S., M.S. (Kansas State), 1914, 1916
 5 Weichsel, Carl Christian
 9 Weil, Edward Sidney
 5 Weilepp, Thomas Greacen
 5 Weinberg, Michael Binder
 9 Weinberg, Pauline Florence
 9 Weir, Dorothy Eugenia
 5, 9 Weiss, Morris
 9 Welker, Elizabeth Marie
 9 Wells, Leonore Palmer, A.B. (Elmira), 1919
 9 Welsh, Joseph James
 5, 9 Wendnagel, Charles Eugene
 9 Wenner, Jennie Marietta, B.S. (Allentown), 1919
 9 Wentz, Elizabeth Heathcote
 9 Werbelowsky, Isidor
 5, 9 Werly, Berlyn McIntyre
 9 Wessells, Emily Margaretta
 5, 9 West, Alvin Emil
 9 West, Luther Shirley
 4 West, Randolph Cooper
 5 Westabrook, Lloyd
 8 Westerhoff, Peter Detelius, jr.
 5, 9 Westervelt, Ralph Henry
 9, 8 Westlake, Anna M., A.B. (Elmira), 1908
 9 Weston, Pauline Mae
 7, 9 Westphal, Milton Christian John
 7, 8 Wheat, Seth Truman, B.S. (Cornell), 1915
 9 Wheatley, Emma
 9 Wheatley, Laura Amelia
 5, 9 Wheaton, Lewis Ulysses
 8 Wheeler, Lawrence A.
 9 Wheeler, May Paine
 9 Whipple, Helen Evans, A.B. (New York State), 1918
 5 White, Edgar Greaves
 9 White, Frederic Fullerton
 1 Whitehill, Alfred Aloysius
 9 Whiting, Walter Belknap
 7, 8 Whitney, Cass Ward, B.S. (Cornell), 1913
 5, 9 Whitney, Charles Seward, jr.
 8 Whitney, Lilla Jean, A.B. (Syracuse), 1912
 9 Whitney, Mari Francis
 9 Whitney, May Vincent
 9 Whittaker, Alice Edna
 5 Whittemore, Arthur Snow
 5, 9 Whittemore, William Horace
 1 Whittingham, Augustine Monroe
 1 Whittingham, William Rollinson, 3d
 1 Wjedorn, William
 5, 9 Wigglesworth, James Donovan
 5, 9 Wight, Stanley Griswold
 9 Wilcox, Ansley, 2d
 9 Wilcox, Mildred Diantha, A.B. (Rochester), 1917
 8 Wilder, Bertha
 9 Wilder, Florence House
 9 Wilder, Harris Emory
 9 Wilhelm, Lucie Louise
 9 Wilhelmsen, Catharine
 9 Wilhelmsen, Ragnhild
 9 Wilkie, John Vrooman
 9 Wilkins, Annabel Wilkins
 4, 9 Williams, Donald Dewitt
 9 Williams, Erminie May
 8 Williams, Eunice Switzer, B.S. (Pennsylvania State), 1914
 9, 8 Williams, Ida May, A.B. (Adelphi), 1907
 9 Williams, Marguerite Carol
 9 Williams, (Mrs.) Marguerite Jennings
 9 Williams, Mary Campbell
 5, 9 Williams, Noble Neelan
 4 Williams, Roger
 5, 9 Williams, Ramon Oscar
 9 Williams, Sudie Lawrence, A.M. (Chappell Hill), 1889
- Highland
 New Castle, Va.
 Mount Clemens, Mich.
 Emporium, Pa.
 Madison, Wis.
 Elbridge
 Ithaca
 Tarboro, N. C.
 Washington, D. C.
 Burlington, Vt.
 Frankfort
 Scranton, Kansas
 Dallas, Tex.
 Chicago, Ill.
 Baltimore, Md.
 Norristown, Pa.
 Newark, N. J.
 Honesdale, Pa.
 Brooklyn
 New Middletown, Ohio
 Elmira
 Tompkinsville
 Chicago, Ill.
 Masungie, Pa.
 Hanover, Pa.
 Brooklyn
 Ithaca
 Elizabeth, N. J.
 Washington, D. C.
 Owego
 New Orleans, La.
 Brooklyn
 Midland Park, N. J.
 Ithaca
 Elmira
 North Branch, Mich.
 Buffalo
 Naples
 Cleveland, Ohio
 Cleveland, Ohio
 Buffalo
 Candor
 Crescent City, Fla.
 Savannah
 Syracuse
 New York City
 New York City
 Summit, N. J.
 Ithaca
 Adrian, Mich.
 Liverpool
 Kansas City, Mo.
 Plainfield, N. J.
 Atlantic City, N. J.
 New Rochelle
 East Orange, N. J.
 Milburn, N. J.
 Milburn, N. J.
 Waterbury, Conn.
 Wilmette, Ill.
 New York City
 Castleton-on-Hudson
 Rochester
 Ithaca
 Barnet, Vt.
 Elmhurst, Ill.
 Randolph
 Kristiania, Norway
 Kristiania, Norway
 Amsterdam
 Moorestown, N. J.
 Corry, Pa.
 Adams Center
 Bristol, Pa.
 Syosset
 Ithaca
 Elmira
 Jacksonville, Fla.
 Moline, Ill.
 Belleville
 Brooklyn
 Dallas, Texas

3. 9 Williamson, Frank Shaver
 9 Williamson, Viola Baxter
 8 Willis, Geraldine Margaret
 5. 9 Wilson, Edward
 9 Wilson, Esther Soper, B.A., B.Mus. (Wells), 1917
 9 Wilson, Hazel Marguerite, A.B. (New York State), 1916
 9 Wilson, Mildred Fay
 7 Wilson, Percy Suydam, C.E. (Cornell), 1918
 9 Wilson, Verna May
 5. 9 Winch, Percy Holden
 9 Winchester, Eva May
 9 Windley, Bettie Dunn, A.B. (Goucher), 1912
 8 Winslow, Anna Elizabeth, A.B., B.S. (Missouri), 1912
 5. 9 Winter, James Henry
 9 Winters, William Englehardt
 9 Witheron, Augusta Bispham
 9 Witkop, John Charles
 9 Witter, Margaret Shepard, A.B. (Smith), 1917
 4 Woerher, Reginald Frederick
 9 Woerner, Wilhelmmina
 9 Wolf, Augusta
 1 Wolf, Harold George
 9 Wood, Arthur Edward, B.S. (Colgate), 1915
 5. 9 Wood, Charles Amos
 8 Wood, Isabelle Harper
 9 Wood, Percy Hasselle
 9 Wood, Sanford Ballard Dole
 1 Woodcock, William Palmer
 7. 9 Woodman, DeGraaf, B.S. (Cornell), 1917
 4 Woodruff, Charles Curtis, jr.
 5. 9 Woods, Robert McLain
 9 Woodward, Charles Stebbins, A.B. (Cornell), 1904
 9 Woodward, Morton Powell
 9 Woodward, Pearl Elvira
 8 Woolsey, Harriet Louise
 7. 8 Working, Holbrook, A.B. (Denver), 1915, M.A. (Cornell), 1919
 9 Wooster, Julia Ethel
 9 Work, James Robert, A.B. (Chicago), 1911
 9 Works, Philip Owens
 9 Wray, Bessie
 5. 9 Wright, Benjamin Franklin
 9 Wright, Charles Henry
 7 Wright, Chilton Austin, C.E. (Cornell), 1919
 8 Wright, Earl Harrison
 4 Wright, Ehrick Hanford
 9 Wright, Ethel Mae
 8 Wright, Ivan, A.B. (Iowa State), 1914, B.S., M.S. (Michigan), 1916, 1917
 9 Wright, Mattie Ellen, A.B. (West Virginia), 1918
 9 Wrigley, Byron Earle, jr.
 9 Wu, Wei-Yoh, B.S. (Illinois), 1917
 9 Wyckoff, Vertrees Judson
 9 Yang, Pao Kong
 9 Yang, Shao Yseng
 9 Yang, Yin Yer
 9 Yates, Elsie Trall
 9 Yeaw, Albin
 2 Yeomans, George Alvoyd
 9 Yetter, Walter Edwin
 9 Yoffa, Anna
 9 Yoffa, Bella
 7 Yoneyama, Yutaka, M.S.A. (Japanese Imperial), 1905
 8 Young, Anna Matilda
 9. 8 Young, Charlotte Spencer, B.A. (Cornell), 1901
 7 Young, Ernest Charles, B.S. (Grove City), 1914
 9 Young, Harold Runyon
 7 Young, Harry Pestana, B.S. (Pennsylvania State), 1913
 9 Young, Hiram Belding
 5 Young, Howard Clifford
 9 Young, Mabel Agnes, B.A. (Cincinnati), 1889
 8 Young, Nettie Taunton
 9. 8 Youngs, Sarah L.
 9 Yuan, Sze-Tsong
 9 Yung, Hei-wan
 9 Van Zandt, Fanny Brice
 7 Zee, Nai-Zung, B.S. in C.E. (Pennsylvania), 1918
 5. 9 Zeiner, Eugene Francis
 8 Zellser, Clara Marsella
 8 Zerbey, Cora Elisabeth
 9 Zerbey, Mildred
 7. 9 Zigler, Michael Jacob, A.B., A.M. (Clark), 1916, 1917
 1 Zilevitz, Reuben Robert
 9 Zorb, Hedwig Caroline
- Frankfort
 Glassboro, N. J.
 Ithaca
 Washington, D. C.
 Verona
 Salem
 Ithaca
 Glen Ridge, N. J.
 Bordentown, N. J.
 Manchester, N. H.
 Dewittville
 New Bern, N. C.
 Kansas City, Mo.
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 Batavia
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 Uniontown, Pa.
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 Baltimore, Md.
 Wusih, China
 Soochow, China
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 Melbourne, Australia
 Shidzuoka, Japan
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 New York City
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 Brooklyn
 Elm Grove, W. Va.
 Johnson City
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 Hong Kong, China
 Ithaca
 Shanghai, China
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 Broadway, Pa.
 New York City
 New York City

STUDENTS IN THE WINTER COURSES IN THE COLLEGE OF AGRICULTURE, 1919-1920

AGRICULTURE

Abbott, Louis D.	Newburgh	Dexter, James A.	Nassau
Adams, Lewis T.	Holcomb	Dolph, Harry J.	Gainesville
Alhart, Clarence H.	Churchville	Dunlap, Boyce	New York City
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Allen, Horace W.	Clayville		
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Ames, Earl D.	Mohawk	Edwards, Harley D.	Arena
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		Furnseth, (Miss) Ingrid	Rashen Sta., Norway
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		Wood, Edwin H.	Red Creek
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St. Mary, George H.	Greenwich	Woodin, Herbert M.	Rhinebeck
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Scott, Daniel	Stoneham, Mass.		
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Shearer, William P.	Firthcliffe	Young, Carl C.	Riverhead
Sheldon, (Mrs.) Emily E.	Ithaca		
Shoe, Henry W.	Newtown, Pa.		

DAIRY

Austin, Merle D.	Addison	Ehle, Louis C.	East Creek
		Elwood, William T.	Rockland
Barber, Cleon J.	Scott		
Baum, Lloyd E.	Cortland	Finein, William H.	Rochester
Bogdahn, William H.	Troy		
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Cole, George W.	Hannibal	Holden, Guy L.	Stowe, Vt.
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McClure, Barclay J.	Albany	Salsbury, Floyd	Sidney
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Marchaland, Louis F.	Salem	Schermerhorn, Barrent	Hensonville
Meaker, Harold F.	Memphis	Smith, Howard C.	Hopewell Jct.
Metcalfe, Kenneth L.	Delevan	Smith, Raymond D.	Clyde
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Neidlinger, Hartwell	Oswego		
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Ogden, George T.	Middletown	Whitehead, Alton E.	Portland, Me.
Pierce, Cornelius	Earlville	Wiborg, Clyde B.	Buffalo
Pile, Thomas M.	Monroe	Wilson, William H.	Heuvelton
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Rowsam, William O.	Lowville	York, Edwin C.	Spafford

POULTRY

Allen, (Miss) Elizabeth H.	Ithaca	Killheffer, John D.	Passaic, N. J.
Andrus, Harold H.	Spencerport	Kohler, Philip J.	Brooklyn
Arnold, Frederick E., jr.	Cape May City N. J.	Kuhn, George M.	Rochester
Behm, Lester W.	Fayetteville		
Belopolsky, Louis S.	Brooklyn	Latshaw, (Miss) Blanche	Philadelphia, Pa.
Bernstein, David	New York City		
Bromiley, Edward F.	Red Hook	McCoy, Frank E.	Emlenton, Pa.
		Mayer, Louis E.	New York City
		Murray, John R.	Oswego
Campbell, Alexander S.	Unionport		
Chadwick, Otis C.	Randolph Center, Vt.	Palmer, Charles H.	New Haven, Vt.
Chekary, Peter J.	Ithaca	Pardee, Roy E.	Isip
Comstock, Herbert G.	Penn Yan	Price, Edwin C.	Tuckaheo
Cross, George S.	Higganum, Conn.		
Decker, George L.	East Bloomfield	Rutledge, Carleton	The Plains, Va.
Ford, Duane H.	Elba	Sacks, Benjamin	Brooklyn
Forsythe, George W.	Mt. Kisco	Scatchard, Elmer A.	Brooklyn
Fryer, Henry M.	Greenwich	Schlossberg, Michael	Mountaintide
Fulmer, (Miss) Jessie E.	Owasco	Silva, Frank L.	Savannah, Ga.
		Spiegelman, Morris	Spring Glen
Gibbs, Raymond A.	Buffalo	Stahl, Joseph A.	Albany
Gillies, William J.	Brooklyn		
Hessler, Frank M.	Duluth, Minn.	Tillotson, Herbert T.	Memphis
Hinkle, Robert S.	Elmira	Truesdell, Ahira B.	Plattsville
Hodsdon, (Miss) Bessie M.	Chuckatuck, Va.		
Hyndman, John W. D.	New York City	Van Wagenen, John D.	Kingston
Johnson, (Miss) Mary T.	Reading, Pa.	Wheeler, Roger B.	Bridgewater, Mass.
Jorgensen, Harold	College Point	Wilcox, Stephen L.	Speonk
		Wood, Leonard P.	Hammondsport

FRUIT GROWING

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Babcock, Harold C.	Horseheads	Oakes, Leonard B.	Medina
Bradner, Basil E.	Harrison		
Branch, Edwin A.	Brooklyn	Pearson, Edward N.	Rochester
		Pershing, (Miss) Elizabeth	Pineville, Pa.
Frese, Christian H., jr.	Hudson	Pierson, Holland E.	Little Britain
Fryer, Willard T.	Slingerlands	Platt, Kenneth M.	Milford, Conn.
Gill, (Miss) Laura D.	New York City	Reitz, Rolland J.	Rochester
Godfrey, (Miss) Lydia B.	Nyack	Roberts, Howard G.	Clinton
Ketchum, (Miss) Helen N.	Victor	Sutcliffe, Clarence D.	Poughkeepsie
MacCargo, John S.	Morton	Winslow, (Mrs.) Eva M.	Kinderhook
Mason, Donald W.	Rochester	Wright, Norman A.	Bartonville, Vt.

HOME ECONOMICS

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Barr, (Mrs.) Marion T.	Ithaca	Rowsam, (Mrs.) Vera S.	Lowville
Becker, (Miss) Edith M.	Ithaca		
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Benjamin, (Mrs.) Eva I.	Ithaca	Smith, (Miss) Florence H.	New Hartford
		Starr, (Mrs.) Elizabeth J.	Ithaca
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Moe, (Miss) Harriet L.	Owego	Zuk, (Miss) Catherine	Bath Beach

FLOWER GROWING

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Dodd, (Miss) Annie M.	Cambridge, Mass.	Schuil, (Miss) Ruby	New York City
Flanagan, Owen M.	New Rochelle	Story, George M.	Rockville Center
Pratt, Carlton L.	Marion	Svensson, (Miss) Andrea B.	Glens Falls

VEGETABLE GARDENING

Cowles, Dwight M.	Oneonta	Peck, Heath C.	Elnora
Feasley, Walter W.	Orchard Park	Rudley, William I.	Philadelphia, Pa.
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Lockwood, Clarence N.	Buffalo		

INDEX OF NAMES

- Adam, J. D., 43, 44.
 Adams, B., 11, 134, 146, 148, 223.
 Adams, J. Q., jr., 11, 59-66, 68, 69, 71, 73, 78, 93, 94, 209, 213.
 Adams, R. M., 33, 136.
 Adelman, H. B., 35, 81, 116.
 Albee, E., 11, 59, 60, 64, 65, 68, 69, 77, 94, 95.
 Albert, C. D., 11, 67, 68, 169, 175, 177.
 Alburtis, S. S., 220, 224.
 Alexander, R. A., 41.
 Alexander, W. P., 11, 104, 137, 151, 220, 223.
 Allen, A. A., 11, 62, 64, 78, 104, 135, 146, 155, 209, 217, 220, 223.
 Allen, C. E., 209, 217, 220, 223.
 Allen, C. L., 11, 137, 142.
 Allen, H. B., 35.
 Allen, H. G., 35.
 Allen, J. S., 11, 40, 193.
 Allen, R. B., 35.
 Allix, A., 42.
 Allman, D. N., 35, 139.
 Anderson, E. G., 11, 137, 152.
 Anderson, E. L., 35, 81, 116.
 Anderson, R. J., 11.
 Anderton, C. E., 39.
 Andrews, A. L., 11, 39, 78, 90.
 Andrews, E. P., 11, 59, 60, 68, 74, 78, 89, 196, 209, 212.
 Andrews, F. E., 153, 220, 224.
 Armstrong, E. M., 35, 115, 123.
 Artschwager, E. F., 11, 138.
 Ashcroft, A. G., 39.
 Asmus, H., 11, 127, 143.
 Atkinson, J. T., 35.
 Atwood, L. L., 11, 79.
 Auer, J. A. C. F., 11, 79.
 Auer, W. F., 11.
 Austen, W., 11, 98, 178.
 Austin, A. C., 42.
 Axtell, F. E., 11, 138.
 Ayala, R. P. de, 42.
 Ayres, O. R., 178.
 Ayres, W. E., 33, 137.
 Babcock, H. E., 33, 135.
 Bailey, E. J., 72.
 Bailey, H. C., 11, 113, 123, 124.
 Bailey, H. T., 42.
 Baillie, J., 44.
 Baker, H. S., 42.
 Baker, M. D., 40, 193.
 Baker, W. C., 11, 134, 151.
 Balderrey, F. C., 40, 193.
 Baldwin, D. L., 35, 81, 139.
 Ballard, W. C., 11, 66, 169, 177, 209, 218.
 Bancroft, W. D., 11, 76.
 Bangs, J. R., jr., 11, 170.
 Banner, E. L., 11, 137, 153, 220, 224.
 Bannister, L. W., 108, 109.
 Barbour, C. A., 43.
 Barclay, A. J., 35, 82.
 Barker, E. E., 60.
 Barnard, W. N., 11, 39, 63-65, 169, 176.
 Barnes, F. A., 12, 60-64, 66, 68, 73, 75, 163, 167, 168.
 Barr, D. P., 12, 113, 122.
 Barrett, W. R., 35, 80, 101.
 Barringer, B. S., 12, 113, 124.
 Barron, J. H., 33, 135.
 Barrows, D. N., 12, 113, 124.
 Barrus, M. F., 12, 134.
 Barry, M. M., 220.
 Bartholomew, L., 209, 218.
 Bartlett, M., 44.
 Bartlett, W. J., 35, 81.
 Barton, F. A., 12, 39, 196.
 Bason, G. F., 12, 169.
 Bassett, J. W., 35, 81.
 Baxter, H. E., 12, 156.
 Bayard, E. S., 42.
 Bayley, P. L., 12, 79, 99.
 Beal, A. C., 12, 134, 148.
 Bechtel, A. R., 12, 137, 143, 220, 222.
 Becker, C., 12, 60-63, 65, 66, 73, 77, 96.
 Becker, J. A., 12, 79.
 Bedell, F., 12, 61-65, 67-69, 73, 74, 77, 100.
 Bedient, H. A., 35, 80, 101, 209, 216.
 Beekman, F., 12, 114, 123.
 Behrends, F. G., 33, 136.
 Bell, B. J., 43.
 Benedict, S. R., 12, 59, 66, 112, 121, 123, 124.
 Benjamin, E. W., 12, 59, 65, 68, 74, 135, 153.
 Benner, J. W., 12, 127.
 Bennett, C. E., 12, 59-61, 69, 76, 89.
 Bennett, H. S., 41.
 Benson, C. B., 12, 170.
 Bentley, J., jr., 12, 65, 134, 148, 149.
 Berkoff, H. S., 35, 80.
 Berney, L. S., 35.
 Berry, C. A., 42.
 Bertrams, M. E., 33, 138.
 Betten, C., 12, 39, 40, 103, 134, 145, 220.
 Beutel, F. K., 39.
 Bidwell, C. C., 12, 67, 78, 99, 100, 209, 215.
 Binzel, C. E., 12, 64, 135, 154, 224.
 Birch, R. R., 12, 59, 127.
 Bishop, H. G., 35, 81.
 Bittner, S. F., 12, 138.
 Bizzell, J. A., 12, 60-62, 65, 66, 69, 71-73, 75, 134, 155.
 Black, H., 43.
 Blackburn, P. V., 35, 81.
 Blackmore, B., 12, 136, 149, 220, 223.

- Blaker, E., 12, 77.
 Blanchard, J. D., 35, 80.
 Blanche, H. M., 35.
 Blauvelt, G. A., 9.
 Bliss, H. S., 42.
 Blodgett, F. M., 12, 60, 62, 135.
 Blodgett, W. K., 33.
 Blood, C. H., 8, 196.
 Bock, C. W., 209, 213, 214.
 Böcker, H., 13.
 Bodansky, A., 13, 79, 105, 116, 126.
 Boesche, A. W., 13, 77, 90, 209, 212.
 Bogert, G. G., 13, 108, 109.
 Bohrer, J. V., 35, 115, 123.
 Boller, A. J., 13, 114.
 Bolling, R. W., 35, 115, 123.
 Boshart, C. F., 9.
 Boshart, J. K., 128.
 Bostwick, C. D., 9, 40.
 Bosworth, F. H., jr., 13, 65, 68, 156, 162.
 Botsford, H. E., 33, 137, 153.
 Boutelle, C. A., 33, 135.
 Bowen, W. C., 13, 79, 106.
 Boyle, J. E., 33, 134.
 Boynton, F. D., 41.
 Boynton, R. W., 44.
 Boys, J. A., 13, 137, 149.
 Bradley, J. C., 13, 71, 74, 78, 103, 104, 135, 145.
 Branch, H. E., 35, 139.
 Brandes, G. H., 35, 81, 101, 209, 216.
 Brannon, J. M., 13, 137, 143, 144.
 Braun, R., 209, 219.
 Brauner, O. M., 13, 156, 161, 162.
 Breed, R. S., 13.
 Brenner, E. C., 13, 114.
 Bretz, J. P., 13, 39, 40, 59-61, 72, 74, 77, 96, 209, 214.
 Brew, J. D., 33, 136.
 Brewer, S. L., 33, 136.
 Briggs, T. R., 13, 59-73, 78, 102, 209, 216.
 Brink, C. G., 13, 113, 122.
 Bristol, G. P., 13, 39, 40, 59, 60, 67, 69, 76, 88, 95.
 Britt, R. E., 35.
 Bronson, W. H., 13, 138.
 Broughton, L. N., 13, 18, 40, 64, 67, 71, 72, 78, 93, 209, 213.
 Brown, C. R., 43.
 Brown, W. E., 44.
 Browne, A. W., 13, 63, 65, 66, 69, 72, 73, 77, 101, 102, 127, 209, 216.
 Brundage, W. H., 13, 113, 122.
 Bryant, L., 209, 218, 219.
 Buckman, H. O., 13, 134, 155.
 Buckner, C. A., 220, 224.
 Bulkley, K., 13, 113, 123.
 Bull, A. W., 35, 80, 101.
 Bundy, M. W., 209, 213.
 Burdick, C. K., 13, 108, 109.
 Burlage, S. R., 13, 79, 105, 116, 217.
 Burnham, L. P., 13, 68, 156, 161, 162.
 Burr, E. T., 35, 116.
 Burr, G. L., 13, 39, 59, 60, 62, 65, 67, 76, 96, 178.
 Burritt, M. C., 13, 134, 146, 223.
 Burrows, E. N., 13, 66, 163, 168.
 Bush, H. S., 35, 170.
 Bush, R. R., 35, 170.
 Bussell, F. P., 33, 62, 72, 136.
 Butler, E. F., 113.
 Butler, M. O., 14, 137.
 Butterworth, J. E., 14, 64, 67, 135.
 BATTERY, C. J., 209, 212.
 Buys, J. L., 35, 81, 139, 145.
 Cadman, S. P., 44.
 Campbell, A. D., 14, 79.
 Canfield, E. B., 14, 107.
 Canon, H., 33, 136.
 Caplan, H., 14, 79.
 Card, D. G., 35, 139.
 Card, L. E., 14, 137, 153.
 Carey, B. A., 209, 219.
 Carlson, F. A., 35, 139.
 Carpenter, C. D., 127.
 Carpenter, C. M., 14, 127.
 Carpenter, E. J., jr., 35, 81.
 Carroll, C. A., 14, 79, 92.
 Carver, W. B., 14, 39, 78, 99, 209, 215.
 Case, C. E., 40, 193.
 Cassassa, C. S. B., 35, 115, 123.
 Caswell, W. L., 44.
 Cavanaugh, G. W., 14, 39, 59-62, 64, 65, 67, 69, 72, 73, 77, 102, 107, 133, 142.
 Cecil, R. L., 14, 113, 122.
 Chamberlain, G. R., 14, 156, 161.
 Chamberlain, R. F., 14, 169, 177.
 Chamberlain, W. E., 35, 139.
 Chambers, R., jr., 14, 113, 121.
 Chamot, E. M., 14, 59, 61-66, 68, 69, 71-73, 77, 102, 209, 216.
 Chandler, B. A., 14, 136, 149.
 Chandler, W. H., 14, 60, 61, 63-67, 69, 72, 71, 134, 152.
 Chao, Y. R., 14, 79.
 Chardon, C. E., 35.
 Charnwood, Lord, 41.
 Chen, C. L., 42.
 Cheney, C. O., 14, 115.
 Chenowith, L. B., 40, 193.
 Christian, C. M., 35.
 Christian, J. H., 35.
 Chupp, C., 33, 136.
 Church, I. P., 14, 163.
 Churchill, C. H., 35, 82.
 Cilley, A. H., 14, 115, 125.
 Claassen, P. W., 14, 103, 136, 145.
 Clark, H. A., 42.
 Clark, R. E., 14, 169.

- Clarke, W. H., 35, 170.
 Cleary, S. F., 14, 170.
 Clinton, C. L., 35.
 Clum, H. H., 35, 138, 143.
 Coca, A. F., 14, 113, 123, 124.
 Cockcroft, M. L., 35, 82.
 Cole, L. G., 14, 113, 125.
 Coleman, G. L., 14, 80.
 Coley, W. B., 14, 113, 123.
 Collier, C. S., 108.
 Collingwood, G. H., 33, 135, 148, 149.
 Collins, J. R., 14, 79, 99, 209, 215.
 Collison, R. C., 14.
 Colony, M. W., 209, 216.
 Colucci, F., 15, 79.
 Comstock, A. B., 15, 135, 154, 220, 223.
 Comstock, J. H., 9, 15, 76, 133.
 Conner, F., 122.
 Conner, L. A., 9, 15, 112, 122.
 Conwell, W. L., 15, 70, 163, 167.
 Cooke, R., 35, 81.
 Cooke, R. A., 35, 116.
 Cooke, W. P., 8, 203.
 Cooper, L., 15, 59, 61, 63, 64, 67-69, 77, 93.
 Corby, G. B., 39.
 Corey, R. B., 35, 81.
 Cormany, C. E., 35, 139.
 Cornell, C. E., 8, 40.
 Cornell, W. B., 15.
 Cornell, W. R., 15, 169.
 Cornwell, R. T. K., 35, 80, 101, 209, 216.
 Corrington, J. D., 35, 81.
 Coryell, J., 33, 135.
 Coville, L., 206.
 Cowles, F. H., 209, 212.
 Craig, C. F., 15, 78, 99, 209, 215.
 Craig, S. L., 35, 116, 125.
 Craig, W. T., 35, 138.
 Crandall, C., 15, 163, 167, 168.
 Crane, F. E., 42.
 Crane, T. F., 15, 76.
 Creighton, J. E., 15, 59, 60, 62, 64, 65, 68, 69,
 71, 72, 73, 75, 76, 94, 95, 127, 209, 213.
 Criswell, H. D., 39.
 Crofts, G. D., 199, 200.
 Crosby, C. R., 15, 134.
 Crosby, D. J., 15, 134, 146.
 Cross, L. J., 15, 61, 72, 134, 142, 220, 222.
 Crothers, S. M., 43, 44.
 Culley, P. G., 35.
 Culligan, G. A., 171.
 Cullis, W. C., 42.
 Curphey, J. D., 35, 82.
 Curtis, C. E., 9, 40.
 Curtis, O. F., 15, 59-62, 65, 66, 68, 69, 72-74,
 135, 143.
 Curtis, R. W., 15, 67, 68, 72-74, 134, 151, 223.
 Curtiss, L. F., 15, 79, 99.
 Cutler, P. C., 35.
 Dagnall, C. H., 15, 170.
 Dallenbach, K. M., 15, 79.
 Dana, C. L., 15, 112, 124.
 Daniels, F. W., 35, 82.
 Dann, H. E., 15, 77, 98, 209, 218, 219.
 Davenport, E., 41.
 Davenport, H. J., 15, 60, 62, 65-67, 69-73, 75,
 77, 96, 97, 209, 214.
 Davis, A. C., jr., 15, 169, 176.
 Davis, E. G., 15, 66-70, 74, 134, 150, 151.
 Davis, H. E., 35, 170.
 Day, A. L., 41.
 Day, W. H., 43.
 Dearborn, N., 42.
 DeGarmo, C., 16, 76.
 de Grassi, G., 178.
 Delattre, M., 209, 212.
 Demarest, W. H. S., 43.
 Dennis, F. S., 16, 112.
 Dennis, L. M., 16, 59-68, 72, 76, 102.
 Denzer, B. S., 16, 114.
 Desson, L. J., 35.
 Detwiler, J. D., 16, 103, 138, 145.
 DeWitt, C. J., 35, 170.
 Diederichs, H., 16, 40, 66, 169, 176, 196.
 Dimmick, F. L., 36, 81.
 Dimock, G. E., 16.
 Dobson, W. P., 41.
 Dodge, W. S., 39.
 Dods, J. P., 199.
 Dominick, J. H., 36.
 Donahue, W. H., 42.
 Dorsey, E., 36, 138, 152.
 Douglas, J., 117, 124.
 Downs, P. A., 16, 137, 144, 145.
 Drummond, A. M., 16, 78, 209, 213.
 Duane, W., 124.
 DuBois, E. F., 16, 113, 122.
 DuBois, P. L., 36, 113, 122.
 Dudley, G. S., 36, 115, 123.
 Dunlap, V. C., 36, 80, 103.
 Dunn, P. L., 33, 138.
 Durham, C. L., 16, 73, 77, 89, 90, 209, 212.
 Dye, H. W., 16, 62, 66, 136, 217.
 Dynes, O. W., 16, 137, 147.
 Eames, A. J., 16, 61, 62, 64-69, 72, 74, 135, 143,
 144.
 Eckley, P. W., 36, 116.
 Eddy, G. S., 42.
 Edgar, J. C., 16, 112, 123, 125.
 Edmonson, E., 36, 103.
 Edwards, D. J., 36, 113.
 Edwards, J. H., 8.
 Egbert, P. T., 16, 170.
 Eggleston, C., 16, 113, 121.
 Einhorn, M., 36, 116, 122.
 Eisner, M., 41.
 Eliot, S. A., 43, 44.
 Ellenwood, F. O., 16, 169, 176.

- Elliot, W. P., 116.
 Elliott, G. T., 16, 112, 125.
 Elliott, W. P., 36.
 Ellis, W. W., 16, 139, 178.
 Elmer, H. C., 16, 77, 89, 90.
 Elmhirst, L. K., 36, 82.
 Elser, W. J., 16, 112, 124.
 Elston, E. D., 16, 78, 105, 210, 217.
 Embody, G. C., 16, 67, 74, 104, 135, 146, 155.
 Emerson, H., 16, 40, 193.
 Emerson, R. A., 9, 16, 60-62, 65, 67, 72, 73, 133, 152.
 Emerson, W. I., 39.
 von Engeln, O. D., 16, 59, 60, 62, 63, 65, 69, 71, 73, 74, 78, 106, 211, 217.
 English, D., 16, 39, 40, 67-69, 72, 76, 97, 98, 210, 214.
 Epstein, J., 36, 116.
 Eschweiler, C. F., 36.
 Everett, G. A., 17, 134, 146.
 Everett, J. S., 36, 139.
 Everingham, S., 36, 115, 123.
 Ewing, J., 17, 112, 123, 124.
 Eyster, L. A., 36, 139.
 Eyster, W. H., 17, 138.
 Fabyan, G., 42.
 Failla, G., 124.
 Fairbanks, F. L., 17, 137, 154.
 Farrar, L. K. P., 17, 114, 124.
 Faust, A. B., 17, 59, 77, 90.
 Fenner, L. A., 17, 170.
 Ferguson, J. S., 17, 112.
 Fernald, E. I., 36, 139.
 Ferriss, E. N., 17, 61-63, 67, 136, 154.
 Feuillerat, A., 42.
 Finkelstein, J. G., 36, 82.
 Finley, J. H., 8, 42.
 Fippin, E. O., 17.
 Fish, P. A., 9, 17, 127, 131.
 Fisher, H. S., 36.
 Fisher, M. J., 17, 79, 104.
 Fisher, W. I., 36, 138.
 Fisk, W. W., 17, 65, 69, 135, 144, 145.
 Fiske, C., 43.
 Fiske, F. E., 17, 79, 92.
 Fitzpatrick, H. M., 17, 60, 61, 65, 67, 69, 71, 135, 152.
 Flack, H., 200, 203.
 Fletcher, R. J., 36, 81.
 Flint, J. H., 36, 80, 101.
 Foglesong, J. E., 210, 216.
 Forbes, R. S., 44.
 Forbes, W. T. M., 36, 42, 103, 145.
 Forbush, E. H., 42.
 Force, A. W., 36.
 Fosdick, H. E., 43.
 Foss, H. M., 17, 170.
 Foster, N. B., 17, 113.
 Foster, W. S., 74, 210, 214.
 Fowler, M., 178.
 Francke, E., 17, 114.
 Fraser, A. C., 17, 67, 136, 152, 220.
 Freer, F., 33.
 French, I., 33.
 French, W. H., 36, 82.
 Fribourg, A., 41.
 Frink, H. W., 17, 113, 124.
 Frost, J. N., 17, 67, 74, 127, 132.
 Frothingham, L., 128.
 Fuller, J. W., 36, 127.
 Gabriel, E. W., 36, 139.
 Gabriel, H. S., 36, 139.
 Gage, S. H., 17, 76, 116, 126, 127.
 Gage, V. R., 17, 169, 176.
 Galvin, J. W., 36.
 Gamble, D. L., 17, 79, 104, 210, 217.
 Garland, H., 41.
 Garner, E. F., 17, 169.
 Garrett, C. L., 17, 137, 151.
 Garrett, S. S., 17, 169, 175.
 Gaskill, G. E., 36, 82.
 Gaut, M. A., 17.
 Gavett, J. W., jr., 17.
 Gelas, J. M., 210, 218.
 George, S. G., 17, 39, 73, 163, 166.
 Georgia, A. E., 36, 138.
 Georgia, F. R., 18, 79, 102.
 Gere, J. B., 18, 114.
 Gerster, J. C. A., 18, 113, 123.
 Getman, A. K., 220, 224.
 Gettell, R. G., 41, 72, 210, 214.
 Gibbs, R. C., 18, 39, 40, 59, 61-63, 65-68, 72-74, 78, 99, 100, 210, 215.
 Gibson, C. L., 18, 112, 123.
 Gilkey, C. W., 43, 44.
 Gilkey, R., 33.
 Gill, A. C., 18, 60, 68, 69, 77, 106.
 Gillespie, D. C., 18, 63, 73, 78, 99, 210, 215.
 Gillett, R. L., 18, 137.
 Gillis, M. C., 36, 139.
 Gist, S. C., jr., 39.
 Glaser, J., 36, 116.
 Gleason, A. H., 42.
 Gleason, J., 18, 137, 149, 220, 223.
 Goldberg, S. A., 18, 60, 65, 68, 69, 74, 127, 132.
 Goldschmidt, S., 36, 116.
 Goode, C. T., 18, 79.
 Goodman, A. M., 33, 138.
 Goodridge, M., 18, 113, 123.
 Gordon, C. J., 36, 82.
 Gottchalk, L., 36, 80.
 Grantham, G. E., 18, 79.
 Graves, G. W., 18, 114.
 Graves, L. G., 18, 135.
 Gray, A. M., 18, 59, 63, 65, 66, 71, 74, 169, 177.
 Gray, H. L., 41.
 Gray, J. M., 220, 223, 224.
 Graybeal, H. C., 36, 139.

- Green, D. B., 36, 170, 175.
- Gregory, A., 178.
- Gregory, E. W., 171.
- Griffin, F. A., 36, 80, 101, 210, 216.
- Griffith, J. E., 210, 218.
- Grimm, J. J., 18, 138, 143.
- Grove, V. G., 18.
- Gudernatch, J. F., 18, 113, 121.
- Guerlac, O. G., 18, 78, 91.
- Guion, C. M., 18, 114.
- Guise, C. H., 18, 137, 148, 149.
- Gustafson, A. F., 33, 138.
- Gustin, W. J., 36.
- Guthrie, E. S., 18, 63, 69, 134, 144.
- Gutsell, H. S., 18, 156, 161.
- Hadamard, J., 42.
- Hagan, W. A., 18, 65, 67, 68, 74, 127, 132.
- Hale, C. B., 36, 82.
- Halperin, H., 36, 170.
- Ham, C. W., 18, 39, 169, 175.
- Hamilton, G. L., 18, 64, 77, 92, 210, 212.
- Hammond, W. A., 18, 59, 60, 64, 65, 69, 77, 88, 94, 95, 210, 213.
- Hansson, K. G., 36.
- Hardenburg, E. V., 19, 69, 136, 147.
- Harlow, R., 41.
- Harper, M. W., 19, 62, 67, 128, 131, 134, 142, 143.
- Harrington, M. A., 19, 115.
- Harris, D. M., 36, 82.
- Harris, G. D., 19, 60, 63, 65, 67-69, 73, 77, 106.
- Harris, J. R., 40, 193.
- Harrison, H., 19.
- Hartt, H. A., 36, 82.
- Hartwell, J. A., 19, 112, 123.
- Haskell, E. E., 19, 64, 163, 166.
- Hatcher, R. A., 19, 112, 121, 125.
- Hathaway, W., 41.
- Hausman, E. H., 36.
- Hausman, L. A., 19, 138, 220, 222.
- Hawley, G. W., 36, 116.
- Hayden, C. E., 19, 62, 127, 131.
- Haynes, I. S., 19, 113, 123.
- Hazard, B. E., 19, 135, 150.
- Head, W. L., 36, 170, 175.
- Healey, L. E., 19, 138, 150.
- Hebbelynck, A., 41.
- Hebel, J. W., 19, 79.
- Hedrick, U. P., 19.
- Heffner, R. E., 19, 170.
- Heinicke, A. J., 19, 64, 68, 71, 74, 136, 152, 220, 224.
- Helps, A. J. R., 36, 82.
- Hemmer, A. J., 36, 82.
- Hemphill, R. J., 36, 80, 101.
- Henry, F., 220, 223.
- Henry, M. F., 19, 136, 149.
- Herendeen, R. E., 19, 114, 125.
- Hering, C., 41.
- Herman, H., 36, 116.
- Hermannsson, H., 19, 80, 91, 178.
- Herrick, G. W., 19, 61, 62, 65-69, 71, 72, 74, 75, 77, 103, 134, 145, 146.
- Herrick, J., 219.
- Herring, J. A., 40, 193.
- Hespelt, E. H., 19, 79.
- Heuser, G. F., 19, 62, 136, 153.
- Hewett, W. T., 19, 76.
- Hickey, J. P., 36, 81.
- Higginbotham, S., 42.
- Hill, L. S., 220, 223.
- Hillhouse, E., 36, 138, 149.
- Hillis, N. D., 41, 43, 44.
- Hilmer, H., 19, 79.
- Hirshfeld, C. F., 42.
- Hiscock, F. H., 8, 41.
- Hitchcock, R. O., 36, 82, 116.
- Hitzrot, J. M., 19, 113, 123.
- Hoag, A. E., 19, 115, 123.
- Hoag, J. W., 44.
- Hoefel, F. S., 20, 170.
- Hoel, A. B., 36, 81, 102, 210, 216.
- Hoernner, W. H., 210, 218, 219.
- Hoff, N. S., 20, 170.
- Hogan, A. C., 36, 80.
- Hoguet, J. P., 20, 113, 123.
- Hoisington, L. B., 20, 79, 95, 210, 214.
- Holland, A. L., 20, 114, 122.
- Holland, R. T., 36, 82.
- Hollingworth, W. G., 128.
- Hollis, A., 220, 224.
- Holmes, J. H., 42.
- Holmes, R. M., 20, 80.
- Holt, W. S., 36, 82.
- Homan, C. L., 36.
- Hooper, L., 37, 170, 175.
- Hope, L., 20, 138.
- Hopkins, G. S., 20, 127, 131.
- Hopper, E. B., 20, 127, 132.
- Hopper, H. A., 20, 134, 143.
- Hopper, M., 37, 116.
- Hosmer, R. S., 20, 61, 62, 68, 71, 72, 133, 148, 149, 220, 223.
- Hotchkiss, H. J., 20, 169.
- Hotchkiss, H. V., 20, 80.
- Hough, L. H., 43, 44.
- Howard, C., 200, 203.
- Howard, H. I., 39.
- Howe, H. E., 20, 78, 99, 100, 210, 215.
- Howe, W. A., 41.
- Howell, C. M., 20, 170.
- Howell, E. V., 20, 163.
- Hoy, D. F., 9, 20, 40, 196, 207, 209.
- Hubbard, J. W., 210, 217.
- Hugger, A. J., 39.
- Hughes, C. E., 41.
- Hull, C. H., 20, 40, 60, 61, 63, 66, 67, 70, 72, 75, 76, 96.

- Humphrey, R. R., 37, 81, 116, 128.
 Hunn, A. E., 20.
 Hunn, C. E., 37, 138, 151.
 Hunt, E. L., 20, 78, 94, 210, 213, 223.
 Hunt, H. A., 210, 219.
 Hunter, B., 149.
 Hunter, F. B., 20, 138, 220, 223.
 Hurd, L. M., 33, 137.
 Hurwitz, W. A., 20, 59, 61, 63, 67, 73, 74, 78, 99, 210, 215.
 Hutchinson, J. I., 20, 77, 210, 215.
 Hutchison, C. B., 20, 59, 66, 67, 69, 72, 74, 134, 152.
 Hyatt, J. M., 20, 79, 100.
- Ickelheimer, H. R., 8.
 Ingersoll, E. S., 178.
- Jackson, H. C., 20, 137, 144.
 Jackson, H. F., 20, 115.
 Jackson, H. W., 20, 114, 122.
 Jackson, S. D., 20, 79, 101, 128, 210, 216.
 Jacobs, R., 37.
 Jacoby, H. S., 20, 60, 64, 65, 73, 163, 168.
 Jagu, F. D. A. F., 20, 79, 210, 212.
 Janes, W. W., 39.
 Janeway, H. H., 124.
 Jeck, H. S., 20, 115, 124.
 Jenison, N., 21, 114, 122.
 Jenkins, E., 37.
 Jenkins, E. W., 139.
 Jenness, J. R., 21, 80.
 Jennings, B. A., 37.
 Jensen, W. C., 37.
 Job, H. K., 42.
 Johannsen, O. A., 21, 40, 60-63, 65, 66, 69, 71-73, 75, 77, 103, 104, 134, 145, 146.
 Johnson, E., 33, 136.
 Johnson, E. B., 41.
 Johnson, K., 21, 114.
 Johnstone, A. E., 210, 218, 219.
 Jones, H. L., 21, 78, 88.
 Jones, M. W., 37, 82.
 Jones, R. F., 21.
 Jordan, D. S., 42.
 Jordan, W. H., 8, 21.
- Kahn, M. C., 21, 114.
 Kallen, H. M., 42.
 Kalopothakis, D., 41.
 Karapetoff, V., 21, 61, 63, 64, 68, 73, 74, 169, 177.
 Kelley, F. R., 21, 137, 150.
 Kellogg, R. W., 200, 206.
 Keniston, R. H., 21, 39, 59, 61, 64, 67, 71, 78, 92, 210, 213.
 Kennard, E. H., 21, 59, 63-65, 67, 68, 78.
 Kennedy, C. H., 220, 223.
 Kennedy, H. T., 37, 82.
 Kennedy, J. A., 37, 80, 102.
 Kennedy, R. C., 37, 82.
- Kennedy, R. F., 21, 113, 124.
 Kennedy, R. J., 37, 81.
 Kennell, L. S., 21, 79.
 Kent, O. B., 21, 59, 61, 63, 64, 136, 153.
 Kenyon, J. H., 21, 114, 123.
 Kerr, A. T., 21, 40, 61, 62, 64, 68, 74, 76, 105, 107, 116, 126.
 Keyes, E. L., jr., 21, 112, 124.
 Kimball, D. S., 21, 66, 67, 169, 175, 177, 209.
 Kimpton, R., 40, 193.
 King, A. C., 21, 134.
 Kingsbury, B. F., 21, 59-64, 68, 77, 105, 116, 126, 127.
 Kinzey, B. Y., 39.
 Kirby, G. H., 21, 113, 124, 125.
 Kirby, R. S., 21, 138.
 Kirkland, J. B., 21, 137, 147.
 Kittredge, L. E., 37, 81.
 Kleegman, A., 37, 116.
 Kline E., 37, 82.
 Knapp, R. G., 21, 138.
 Knudson, L., 21, 59, 60, 62, 69, 71-74, 134, 143, 144.
 Kopald, L. J., 44.
 Kroeger, E. R., 41, 210, 219.
 Krum, O. C., 21, 137.
 Krum, W. G., 33, 153, 155.
 Kruse, P. J., 21, 59, 69, 71, 74, 75, 134, 153, 154, 220, 224.
 Kurtz, C. A. R., 37, 170.
- Lambert, A., 22, 112, 122.
 Lamont, T. W., 42.
 Lamoureux, V. B., 37.
 Lang, C. A., 22, 114.
 Lang, F. R., 37, 81, 101.
 Larsen, A. M., 22, 170.
 Larsen, N. P., 22, 114.
 Lathrop, F. W., 37.
 Latta, J. S., 22, 80, 116, 128.
 Laubengayer, A. W., 37, 82.
 Lauman, G. N., 22, 60, 62-64, 66, 67-69, 72, 73-75, 77, 133, 153, 220, 224.
 Lavin, J. B., 22, 170.
 Law, J., 22, 127.
 Lawrence, L. A., 22, 163, 166.
 Lee, B. J., 22, 113, 123.
 Lee, M. A., 22, 169, 175.
 Leet, H. W., 22, 170.
 Leister, C. W., 22, 104, 138, 210, 217, 220.
 Leland, E. W., 138.
 Leland, L., 178.
 Leland, O. M., 22, 77, 163, 166.
 Leonard, M. D., 33, 137.
 Leonard, M. W., 37, 139.
 Leppart, J. C., 37, 80.
 L'Esperance, E. S., 22, 113, 123.
 Lewis, B. F., 37, 82.
 Lewis, J. N., 43.
 Liddell, H. S., 22, 79, 116.

- Lilienthal, H., 22, 113, 123.
 Lindsley, L. C., 37, 81.
 Ling, E. F., 22, 80.
 Lippincott, W. L., 37, 81.
 Lippitt, M. W., 37, 81.
 Littlewood, W., 37.
 Livant, J., 37, 82.
 Livermore, K. C., 22, 59, 60, 62-64, 66, 69, 71, 72, 74, 134, 147.
 Lloyd, J. T., 22, 41, 103, 104, 145, 146.
 Long, T. S., 22, 79, 92.
 Louder, E. A., 210, 216.
 Lounsbery, D. E., 22, 80.
 Love, H. H., 22, 59, 60, 63, 66, 68, 69, 74, 133, 152.
 Loving, R. E., 22, 80.
 Lufkin, H. M., 37, 82.
 Lukens, E. G., 22, 142.
 Lumsden, D., 22, 67, 74, 135, 147, 148, 220, 223.
 Lusk, G., 22, 59, 66, 112, 121.
 Lusk, W. F., 22, 61, 66, 71, 72, 74, 134, 153, 154, 220, 224.
 Lyle, H. M., 22, 113.
 Lyon, T. L., 22, 60-63, 65, 66, 69, 133, 155.

 McAuliffe, G. B., 22, 115, 125.
 McCann, W. S., 23, 114.
 McCarthy, R. H., 39.
 McCaskill, O. L., 23, 108, 109.
 McConnell, F. J., 44.
 McCord, C. P., 210, 217, 220, 223.
 McCurdy, J. C., 23, 135, 154.
 McCurdy, J. T., 23, 116, 124.
 McDaniels, L. H., 23, 136.
 McDermott, G. R., 23, 64, 69, 169, 175.
 McDowell, W. F., 43, 44.
 McElfresh, J. L., 37, 82.
 McGiffert, A. C., 43.
 McGrath, G. B., 42.
 McGrath, J. F., 23, 114, 124.
 McInerney, T. J., 23, 135, 144.
 MacIntosh, J. A., 41, 44.
 Mackaye, P., 42.
 Mackenzie, H., 37, 81.
 McKinney, A. E., 23, 80, 102, 128, 210, 216.
 McLaury, D. W., 128.
 McLean, E. E., 33.
 McLeod, M. J., 44.
 McMahon, J., 23, 39, 63, 65, 68, 74, 76, 99.
 McMullen, E. C., 37, 81.
 McNeal, N. H., 33, 136.
 McNeil, J. H., 41.
 McNeil, W., 223.
 McNulty, D. L., 23, 170.
 Macomber, H. I., 153.
 Macomber, W., 108, 109.
 Macon, W. W., 199.
 McTaggart, A., 37, 139.
 McVetty, P. G., 23.
 Maddy, J. C., 34.

 Mann, A. R., 9, 23, 133, 220.
 Manosalva, M., 210.
 Markley, A. L., 37, 139.
 Marquis, S. S., 41, 43, 44.
 Martin, C. A., 23, 156, 161, 162.
 Martin, T. L., 220, 224.
 Martin, W. E., 37, 81, 101.
 Marx, M. D., 23, 80.
 Mason, H. D., 8.
 Mason, J. F., 23, 40, 59, 61, 62, 64, 65, 67, 71-75, 77, 91, 210, 212.
 Massey, L. M., 23, 60, 66, 68, 72, 136.
 Matheson, R., 23, 60, 71, 72, 103, 104, 135, 145, 146, 220.
 Mattern, D. E., 210, 219.
 Matthews, R., 23, 64, 169, 176.
 Matthews, T. I., 23, 170.
 Mattli, P. A., 23, 80.
 May, F. A., 37, 81, 99.
 Maynard, L. A., 23, 59, 62, 65-68, 135, 143.
 Meade, E., 41.
 Meara, F. S., 23, 112, 123.
 Measday, W., 34.
 Meeker, L., 41.
 Meixner, W. B., 23, 137, 151.
 McKeel, A. G., 23, 79, 104.
 Merrill, W. P., 43, 44.
 Merritt, E. G., 23, 59, 61-65, 67, 68, 70, 73, 76, 99, 100, 210, 215.
 Mertens, J., jr., 37, 82.
 Mertz, P., 210, 215.
 Metcalf, C. L., 220, 222.
 Metzger, H. A., 37, 81.
 Meusebeck, C. F. W., 23, 104, 137, 146.
 Middleton, G. K., 37.
 Midjo, C., 24, 156, 161.
 Milks, H. J., 24, 69, 74, 127, 131.
 Miller, F. H., 8.
 Milliman, T. E., 34.
 Mills, A. M., 37.
 Mills, H. S., 24, 138.
 Miltimore, E., 24, 114, 122.
 Minns, L. A., 24, 137, 147, 148.
 Miskovsky, L. F., 41.
 Misner, E. G., 24, 60, 65, 71, 73, 74, 75, 136, 147, 220.
 Moler, G. S., 24, 76.
 Monroe, B. S., 24, 40, 59, 61, 63, 64, 67-69, 71-73, 78, 93, 209, 210, 213.
 Monsch, H., 24, 136, 149.
 Montgomery, E. G., 24, 60, 61, 63, 65, 66, 68, 69, 71, 73, 74, 133, 147.
 Montgomery, W. C., 24, 115, 125.
 Montillon, E. D., 24, 68, 135, 150, 151.
 Moody, A. H., 37, 81.
 Moody, H., 8.
 Moon, C., 24, 80.
 Moon, M. P., 24, 138.
 Moore, L. H., 24, 170.

- Moore, R. W., 37, 139.
 Moore, V. A., 9, 24, 40, 59, 60, 62, 65, 66, 68, 69,
 71-73, 127, 132, 143.
 Moran, H. A., 44.
 Mordoff, R. A., 24, 137, 151.
 Mordoff, W. E., 24, 169.
 Morgan, G., jr., 37, 82.
 Morgan, G. R., 24.
 Morgan, R. L., 41.
 Morrill, C. V., 24, 113, 121.
 Morrison, M., 220.
 Morrow, H. E., 24, 114.
 Morton, R. S., 42.
 Moses, W., 24, 136, 149.
 Mott, J. R., 44.
 Mott-Smith, H. M., 24, 80.
 Mott-Smith, S., 24, 170.
 Muchmore, G. B., 24, 78, 94, 210, 213.
 Muenscher, W. C., 24, 128, 138, 143.
 Mulcahy, T. A., 37, 115.
 Muller, H. R., 37, 115, 123.
 Murdock, C. C., 24, 63, 64, 66, 72, 73, 74, 78,
 100, 210, 215.
 Murphy, H. E., 37, 139.
 Murrell, W. C., 24, 170.
 Myers, C. H., 24, 59, 66, 134, 152.
 Myers, W. I., 24, 65, 67, 68, 69, 73, 136, 147.
 Nadler, S. J. R., 24, 170.
 Naeter, A., 24, 170.
 Nammack, C. E., 24, 112, 122.
 Nammack, C. H., 25, 115, 122.
 Nanz, R. S., 25, 137, 143.
 Nash, T. P., 25.
 Nasmyth, G., 42.
 Neal, J. B.: 37, 115.
 Needham, J. G., 25, 59, 60, 62, 64, 65, 67-69,
 71-75, 77, 103, 104, 133, 145, 146, 151, 155,
 220.
 Neely, E., 25, 107.
 Neigh, A. W., 171.
 Nelson, J. H., 25, 80.
 Neville, H. B., 25, 138.
 Nevins, H. W., 42.
 Newman, J. T., 8.
 Nichols, E. L., 25, 73, 74, 76.
 Nichols, M., 25, 79, 101, 210, 216.
 Niles, W. L., 9, 25, 112, 122.
 Nill, F., 37, 80, 101.
 Noback, C. V., 25.
 Noble, C. V., 25, 137.
 Noble, M. B., 25, 138.
 Noonan, P. H., 25, 127.
 Norris, C., 25, 113, 123.
 Norris, L. C., 37, 139.
 Northrop, B. K., 25, 170.
 Northrop, P. A., 25, 80.
 Northup, C. S., 25, 61, 67, 68, 71, 73, 78, 92, 93,
 94, 210, 213.
 Norton, L. J., 34, 137.
 Norwood, S. M., 37, 82.
 Nye, C., 34, 136.
 Nye, G. H., 40.
 Oberndorf, C. P., 25, 115, 124.
 O'Connell, W. C., 25.
 Odessy, H. P., 37.
 Ogden, H. N., 25, 40, 63, 64, 66, 163, 166-168,
 200, 205, 206.
 Ogden, R. M., 25, 59, 60, 61, 63-65, 67-75, 77,
 95, 96, 107, 209, 210, 214.
 Ogle, R. C., 34, 137.
 O'Leary, J. W., 42.
 Olney, R. A., 25, 137.
 Orndorff, W. R., 25, 59, 61, 63-68, 76, 101, 116,
 210, 216.
 O'Rourke, C. E., 25, 163.
 Orth, S. P., 25, 70, 72, 77, 96, 97, 98.
 Ortner, H. B., 25.
 Orton, M. F., 37, 81.
 Osborne, T. M., 42.
 Osterberg, E., 25, 114, 121.
 Ottley, F., 210, 218.
 Owens, F. W., 25, 59, 66, 78, 99, 210, 215.
 Owens, H. B., 25, 71, 73, 79, 99, 210, 215.
 Paddon, W. W., 37, 82.
 Paine, E. T., 25, 79, 94, 95.
 Palmer, D., 37.
 Palmer, E. L., 25, 63, 136.
 Palmer, R. G., 25.
 Palmer, S. D., 115, 116, 122.
 Papanicolaou, G., 26, 114.
 Papish, J., 26, 79, 102.
 Pardee, H. E. B., 26, 114, 122.
 Parrott, P. J., 26.
 Parson, J. T., 26, 163, 166.
 Parsons, S., 220, 224.
 Patten, H. J., 8.
 Patterson, C. E., 170.
 Patterson, T., 42.
 Patterson, W., 9, 26, 40, 199, 200, 203, 205, 207.
 Peabody, F. G., 43, 44.
 Pendleton, C. M., 26, 163.
 Pepper, B., 37, 81.
 Perce, C. C., 37.
 Perry, J. E., 26, 163, 166, 167, 168,
 Perry, R. A., 37, 138, 144.
 Persons, J. W., 108, 109.
 Pertsch, J. G., jr., 26, 169, 177.
 Peters, J. P., 26, 115, 122.
 Peterson, J. A., 26, 170.
 Petry, L. C., 220, 222.
 Petty, A. R., 42.
 Petty, C. W., 44.
 Phelps, A. C., 26, 156, 161, 162.
 Phillips, H. A., 26, 138.
 Phillips, L. S., 37, 139.
 Pierce, W. M., 37, 80, 99.

- Pirnie, N. R., 39.
 Pittman, E. E., 37.
 Pitts, J. T., 38.
 Place, I. A., 8.
 Pollard, F. H., 38, 82.
 Pond, M. A., 26, 163, 166, 218.
 Poore, H. W., 38.
 Pope, P. R., 26, 39, 40, 72, 73, 77, 90, 210, 212.
 Poritsky, H., 38, 82.
 Porter, J. P., 34, 137.
 Porter, K., 40, 193.
 Potter, M. I., 26, 138.
 Potter, R. H., 44.
 Pound, C. W., 8.
 Powell, A. L., 42.
 Pratt, H. A., 26, 138.
 Pratt, W. F., 9.
 Prescott, F. C., 26, 60, 78, 93, 94.
 Price, H. W., 38.
 Price, W. V., 38, 139.
 Pumpelly, L., 26, 39, 78, 91.
 Purdy, A. C., 38, 82.
 Purdy, D. M., 38, 82.
 Putnam, H., 108, 109.
- Quarles, J. T., 26, 78, 98, 210.
 Quick, P. E., 26.
 Quick, R. L., 26, 170.
- Race, G. W., 171.
 Rahe, A. H., 38, 116.
 Randolph, L. F., 38, 138, 143.
 Rane, F. C., 38, 139, 143.
 Ranney, E. S., 34, 138.
 Ransom, B. H., 128.
 Ranum, A., 26, 78, 99.
 Recknagel, A. B., 26, 61, 62, 68, 72, 134, 148, 149.
 Reddick, D., 26, 65, 66, 73, 74, 133.
 Reed, F. W., 26, 80.
 Reed, H. D., 26, 60-65, 67, 68, 71-74, 78, 104, 131, 210, 216.
 Reed, H. L., 210, 214.
 Reed, J. M., 220, 224.
 Rees, J. N. A., 26.
 Rees, R. W., 26, 63, 134, 152.
 Reese, R. G., 26, 112, 125.
 Reid, G., 41, 44.
 Rettger, E. W., 27, 64, 75, 163, 166, 218.
 Reyna, J. E., 27, 135, 154.
 Reynolds, E. A., 34, 138.
 Rice, F. E., 27, 63, 65, 69, 135, 142, 220.
 Rice, J. E., 27, 59, 60, 65, 67, 69, 71, 133, 153, 155.
 Richards, J. H., 27, 114, 122.
 Richmond, W. E., 38, 170.
 Richtmyer, F. K., 27, 67, 73, 74, 77, 100, 101.
 Rider, A. J., 27, 79, 101, 216.
 Ries, H., 27, 60, 62-64, 66-68, 71, 72, 77, 105, 106, 161, 210, 217.
- Righter, F. L., 38, 81.
 Riley, H. W., 27, 134, 154, 220, 225.
 Ringer, A. I., 38, 116.
 Rivera, G., 210, 212, 213.
 Robb, B. B., 27, 63, 66, 67, 135, 154.
 Roberts, G. E., 41.
 Roberts, H. H., 38, 170.
 Roberts, I. P., 27, 133.
 Robertson, F. E., 34, 135.
 Robinson, M., 34, 135.
 Robinson, M. B., 38, 139.
 Robison, G. M., 27, 80.
 Rodgers, R. C., 27, 67, 78, 100.
 Roehl, L. M., 27, 137, 220, 225.
 Rogalsky, G. F., 40.
 Rogers, F. S., 27, 169, 175.
 Rogers, J., 27, 113, 123.
 Roper, J. C., 27, 114.
 Rose, F., 27, 60, 61, 107, 134, 149, 220, 223.
 Ross, G. A. J., 43.
 Ross, H. E., 27, 65, 134, 144, 220, 222.
 Ross, M., 139.
 Ross, M. B., 38.
 Rothwell, A., 27, 79, 99.
 Rothwell, J. L., 34, 139.
 Rotunda, D. P., 27, 80.
 Roux, L. A., 41, 210, 212.
 Rowlee, W. W., 27, 61, 62, 71, 72, 77, 103, 196.
 Royce, C. H., 34, 135.
 Russell, G. H., 38, 139.
 Rynalski, H., 38, 81.
- Saby, M. E. S., 27, 137, 149.
 Saby, R. S., 27, 78, 96, 97.
 Sackett, H. W., 8.
 Sailor, R. W., 199, 200, 207.
 St. John, R. A., 38, 82.
 Sage, H. W., 7.
 Sampson, M. W., 27, 39, 59, 62-65, 67, 77, 92-94, 176.
 Samuels, B., 27, 115, 125.
 Sanders, G. D., 27, 79.
 Sanderson, D., 27, 59-62, 64, 65, 71-75, 135, 154, 155, 220, 225.
 Sanderson, E. N., 9, 199, 205, 207.
 Santee, H. E., 27, 114, 123.
 Sarachan, H. A., 27, 170.
 Sassoon, S., 42.
 Savage, E. S., 28, 59, 60, 63, 65, 66, 70, 71, 75, 128, 131, 134, 142, 143.
 Sawdon, W. M., 28, 62, 67, 169.
 Scales, B. T., 210, 218.
 Scheel, M. C., 221.
 Schindler, T. E., 28, 137.
 Schloss, O. M., 28, 113.
 Schmidt, A., jr., 28.
 Schmidt, N., 28, 60, 62, 69, 72, 75, 76, 88, 96, 170, 210, 214.
 Schmidt, W. S., 38, 170.
 Schmitt, B. E., 211, 214.

- Schmutz, F. C., 38, 81, 101.
 Schneek, H. W., 28, 59, 136, 147, 221.
 Schnee, V. H., 38, 82.
 Schoder, E. W., 28, 61, 64, 66, 69, 75, 167, 168.
 Scholes, B. E., 34, 136.
 Schradieck, H. E., 38, 139.
 Schramm, J. R., 39, 60, 65, 134, 143, 144.
 Schroeder, H. J., jr., 39.
 Schroeder, L. C., 28, 114.
 Schroeder, L. H., 38, 82, 128.
 Schultze, O. H., 28, 112, 123, 125.
 Schurman, J. G., 8, 9, 11, 40, 76, 97, 108, 112, 116, 127, 133, 156, 163, 169, 178, 207, 209, 220.
 Schwab, C. M., 8.
 Schwartz, H. J., 28, 114, 122, 125.
 Scofield, H. H., 28, 163.
 Scofield, J. H., 28, 170.
 Scott, M., 38, 81, 99.
 Scoville, G. P., 34, 135, 147.
 Seaman, L. L., 8.
 Seamon, E. J., 38, 116, 122.
 Seely, G., 40.
 Seery, F. J., 28, 68, 69, 70, 75, 163, 167.
 Seltzer, W., 38.
 Senior, J. L., 8.
 Seulke, K. J., 28, 65, 143.
 Severance, M., 28, 79.
 Sevringhaus, L. R., 38, 82.
 Shadle, A. R., 211, 216.
 Shaffer, N. M., 28, 112.
 Shaner, B. K., 39.
 Shanks, L. P., 211, 212.
 Shannon, F. J., 44.
 Sharp, L. W., 28, 61, 62, 66-68, 71, 74, 135, 143, 144.
 Sharpe, F. R., 28, 61, 63, 65, 68, 78, 99, 211, 215.
 Shaw, J. P., jr., 38, 81.
 Shearer, J. S., 28, 63, 64, 68, 77, 100, 124.
 Sheldon, P. G., 38, 80.
 Sheldon, W. H., 28, 113, 122.
 Shellenberger, R., 28, 170.
 Shemin, R., 38, 82.
 Shepard, C. S., 9.
 Sheppard, H., 211, 213, 214.
 Sherburne, A. J., 38, 81.
 Sherman, H. A., 38, 81.
 Sherwell, L. N., 211, 212.
 Sibley, C. K., 38.
 Sicard, M. H., 28, 114.
 Siler, L. N., 28, 170.
 Simpson, S., 28, 60, 61, 63-65, 68-72, 75, 77, 105, 107, 116, 126, 211, 217.
 Smiley, E. M., 28, 137.
 Smith, A. E., 8, 41.
 Smith, A. W., 28, 66, 67, 73, 169, 176.
 Smith, F. C., 34, 138.
 Smith, F. M., 28, 78, 79, 92, 93.
 Smith, F. Manning, 28, 92.
 Smith, F. W., 28.
 Smith, G. E., 28, 149, 150.
 Smith, H., 28, 113, 125.
 Smith, L. E., 38.
 Smith, M. J., 34.
 Smith, R. G., 34, 136.
 Smyth, D. D., 29, 80.
 Sneed, L. T., 29.
 Sneed, W. L., 114.
 Snook, E. L., 34, 136.
 Snyder, V., 29, 63, 67, 74, 77, 99, 211, 215.
 Soule, W. L., 29, 115, 123.
 Sparagen, L., 29, 170.
 Speed, E. R., 178.
 Speer, F. R., 39.
 Sprague, T. O., 38, 139.
 Spring, S. N., 29, 61, 68, 134, 148, 149.
 Stacy, S. C., 38.
 Stagg, C. T., 29, 39, 40, 108, 109.
 Stainton, W. H., 39.
 Stanley, R., 224.
 Stansky, H., 38, 81.
 Stechmann, F. W., 29, 115.
 Steczynski, M. E., 38, 82.
 Stephens, R., 29, 115.
 Stephenson, H. C., 29, 127.
 Stephenson, J. W., 29, 115.
 Steve, N. D., 34, 137.
 Stevens, D. R., 38, 82.
 Stevens, E. L., 200, 203, 207.
 Stevens, S., 29, 156, 161.
 Stevenson, C. R., 34.
 Stewart, F. C., 29.
 Stewart, F. W., 29, 79.
 Stewart, G. B., 43.
 Stewart, J. W. A., 43, 44.
 Stewart, R. M., 29, 62, 66, 72, 134, 153, 154, 221, 224.
 Stewart, T. W., 116, 126.
 Stillemans, J. F., 41.
 Stillman, R. G., 29, 114, 122.
 Stimson, P. M., 29, 115.
 Stockard, C. R., 29, 66, 112, 121, 124.
 Stockett, J. W., 38, 82.
 Stocking, W. A., jr., 29, 61, 63-67, 69, 74, 133, 144.
 Stone, J. L., 29, 133.
 Stone, W. S., 124.
 Stoneman, B., 62, 72.
 Stork, H. E., 38, 80, 103.
 Stover, W. B., 42.
 Strahan, J. L., 221, 225.
 Strain, W. P., 29, 114.
 Stratton, M. E., 38, 139, 143.
 Strickler, D. B., 39.
 Strong, L. W., 29, 114, 124.
 Strunk, W., jr., 29, 39, 62, 71, 77, 92, 93, 94, 211, 213.
 Stubbs, M. A., 178.
 Sturges, H. A., 38, 82.

- Sturgis, C., 74, 211.
 Sturgis, R. C., 42.
 Sullivan, W. L., 38.
 Sumner, J. B., 29, 59, 60, 65-67, 69, 72, 78, 105, 116, 126.
 Sunderville, E., 29, 127, 131.
 Sutherland, H., 40.
 Sweeney, E. T., 38, 81.
 Sweet, A. H., 29, 63, 65, 71, 78, 96, 211, 214.
 Sweet, T. C., 8.
 Swift, E., 42.
 Switzer, F. G., 29, 169, 175.

 Tailby, G. W., jr., 29, 137.
 Taistra, S., 38, 116.
 Talbot, E., 43.
 Talbott, J. W., 38.
 Tanner, J. H., 29, 40, 76, 99.
 Taylor, A. S., 30, 112, 123.
 Taylor, R. B., 43.
 Taylor, W. R., 43.
 Taylor, W. S., 224.
 Thayer, C. L., 221, 223.
 Thilly, F., 30, 59, 60, 62, 64, 65, 67-69, 71, 76, 94, 95, 209, 211, 213.
 Thomas, H. E., 38, 138.
 Thomas, J. A., 38.
 Thompson, H. C., 30, 68, 135, 147.
 Thompson, J. G., 38, 81.
 Thompson, S. A., 38, 81, 116.
 Thompson, W. C., 30, 112.
 Thompson, W. S., 30, 61, 135, 154, 155.
 Thro, W. C., 30, 112, 122.
 Thurston, F. M., 34, 138, 150.
 Titchener, E. B., 30, 61, 63, 65, 68-72, 74-76, 95, 211, 213, 214.
 Toan, L. A., 34, 135.
 Tolstoy, I., 42.
 Torrey, J. C., 30, 59, 113, 124, 125.
 Townsend, C. E., 30, 169, 175.
 Townsend, J. G., 30.
 Traver, J. R., 221.
 Tree, T., 40.
 Treman, C. E., 8, 196, 207.
 Treman, R. H., 8.
 Trevor, J. E., 30, 76, 101.
 Troy, H. C., 30, 66, 134, 144.
 Turner, E. T., 8.
 Turnure, P. R., 30, 113, 123.
 Twesten, T. H., 40.
 Tyndall, E. P. T., 30, 79.
 Tyrrell, W. D., 30, 115.

 Udall, D. H., 30, 127, 132.
 Ullman, D. L., 38, 82.
 Underwood, F. O., 30, 138.
 Underwood, P. H., 30, 163, 166.
 Upton, G. B., 30, 62, 66, 68, 69, 169, 176.
 Urquhart, L. C., 30, 61, 64, 68, 163, 166, 168.

 Usher, A. P., 30, 62, 70, 74, 75, 78, 96, 97, 211, 214, 215.
 Utterback, W. E., 38, 81.

 Vance, B. M., 30, 114, 123.
 Van Cleef, M., 8.
 Vandegrift, G. W., 30, 115, 125.
 Van der Does, A. J. J., 30, 170.
 Vanderhoef, J. E., 38, 170.
 Vandiver, H. S., 30, 80.
 Van Dyke, H., 41, 44.
 Van Dyke, T., 43, 44.
 Van Fleet, M. E., 30, 114.
 Van Marter, M., 38.
 Van Rensselaer, M., 30, 59, 134, 150, 221, 223.
 Van Slyke, L. L., 31.
 Van Sweringen, R. A., 38, 170.
 Van Velsor, H. A., 221.
 Van Volkenberg, H. L., 31, 127.
 Vattier, G. A. L., 41, 211, 212.
 Vernon, A. W., 43.
 Vieweg, H. F., 38, 81.
 Vincent, H. B., 42.
 Vinson, C. G., 34, 138.
 Volkert, R. M., 38.
 Voorhees, J. H., 34.

 Wadsworth, J. R., 38, 81.
 Wagner, R. E., 41.
 Wakeman, S., 31, 79.
 Walker, C. L., 31, 66, 163, 166, 167.
 Walker, H. C., 8.
 Wallace, C., 31, 113, 125.
 Walter, W. H., 39, 139.
 Walworth, C. A., 39, 82.
 Wann, F. B., 31, 137, 143.
 Ward, G. G., jr., 31, 112, 124.
 Ward, H. F., 42.
 Ware, J. O., 39, 139.
 Warne, C. E., 39, 81.
 Warner, A. J., 31, 135, 150.
 Warren, G. F., 31, 59-67, 70-75, 133, 147.
 Wasson, R. J., 39, 82.
 Waterman, G. L., 221, 223, 224.
 Watters, R. J., jr., 39, 170.
 Way, W. D., 31, 127, 132.
 Weber, J. L., 31, 163.
 Weeks, L. G., 31, 80.
 Wehrle, L. P., 34, 137.
 Weld, H. P., 31, 64, 65, 68, 69, 71-74, 78, 95, 211, 213, 214.
 Wellhouse, W. H., 31, 103, 137, 145.
 Wells, A. E., 31, 169, 175, 177.
 West, A. F., 42.
 West, A. M., 39.
 Westervelt, J. C., 8, 9.
 Westinghouse, H. H., 8.
 Westphal, M. C. J., 39, 82.
 Wheeler, G. W., 39, 116.
 Wheeler, R. H., 34, 134, 146.

- Whetzel, H. H., 31, 60, 61, 64, 66-69, 71-73, 133, 152.
- White, A. C., 31, 80, 88, 178.
- White, B., 211, 218.
- White, D., 42.
- White, E. A., 31, 60, 67, 73, 74, 134, 147, 148.
- White, G. L., 31.
- White, H., 8.
- White, H. D., 39, 99, 115.
- White, J. D., 8.
- Whiteside, H. E., 31.
- Whiting, F., 31, 112, 125.
- Whiting, W. A., 31, 137, 144, 145.
- Whitney, C. W., 34, 146.
- Whittaker, C. H., 42.
- Wichelns, H. A., 31, 80.
- Wiedorn, W., 39.
- Wiegand, K. M., 31, 59, 61, 62, 69, 72-74, 128, 134, 143, 144, 221, 222.
- Wiggans, R. G., 31, 61, 66, 69, 136.
- Wilber, D. T., 31, 80, 99.
- Wilbur, F. C., 39.
- Wilder, B. G., 31, 76.
- Wilensky, A. O., 31, 114.
- Willcox, W. F., 9, 32, 60, 61, 63, 68, 70, 71, 74, 76, 97, 98, 107.
- Willever, E. E., 108, 178.
- Williams, C., 211.
- Williams, C. D., 44.
- Williams, E. L., 8.
- Williams, R. B., 8.
- Williams, R. H., 9.
- Williams, W. L., 32, 60, 62, 127, 132, 143.
- Williamson, H. C., 32, 114, 123.
- Willis, E. R. B., 178.
- Willison, D., 39.
- Willsey, W. G., 39.
- Wilson, B. D., 32, 69, 136, 155.
- Wilson, C. L., 39, 139, 143.
- Wilson, C. S., 8.
- Wilson, J. K., 32, 135, 155.
- Wilson, J. S., 42.
- Wilson, M. G., 32, 115.
- Wilson, O., 41.
- Wilson, T. B., 8.
- Wilson, W. M., 32, 66, 133, 151.
- Winans, J. A., 32, 63, 69, 70, 77, 94, 161.
- Wing, H. H., 9, 32, 39, 59, 65, 67, 127, 131, 133, 142, 143, 206.
- Wing, L. A., 32, 115, 123.
- Winters, J. E., 32, 112.
- Wintringham, A. C., 39, 80, 101.
- Wise, S. S., 44.
- Wisenall, E. J., 211, 218.
- Woelfkin, C., 43, 44.
- Wolf, J. E., 221, 224.
- Wood, E. H., 32, 169, 175.
- Woodruff, E. H., 32, 40, 108, 109.
- Woodward, M. P., 39, 81, 101.
- Woolsey, G., 32, 112, 123.
- Worcester, E., 43.
- Worcester, J., 32, 114, 123.
- Works, G. A., 32, 40, 59, 60, 62, 64, 67-69, 71-75, 134, 154, 221, 224.
- Worthen, E. L., 34, 135.
- Wrenker, B. M., 32, 114.
- Wright, A. H., 32, 61, 64, 67-69, 71, 78, 104, 105.
- Wright, I., 32, 137, 153.
- Wright, M. E., 39, 80, 102, 211, 216.
- Wright, W. J., 34, 135, 154.
- de Wulf, M., 41.
- Wyckoff, R. W. G., 211, 216.
- Wynkoop, D. D., 39, 82, 116.
- Yeomans, M. F., 32, 80, 211, 213.
- Young, A. A., 32, 60, 65, 67-69, 70, 75, 77, 97, 98.
- Young, B. P., 32, 128.
- Young, C. V. P., 32, 40, 76, 107.
- Young, E. C., 34, 137.
- Young, G., jr., 32, 156, 161, 162.
- Young, H. B., 32, 135, 150.
- Young, H. P., 34, 137.
- Zapata y Torres, M., 32, 79.
- Zigler, M. J., 32, 79.

INDEX OF SUBJECTS

- Academic Year, 45.
 - College of Agriculture, 139.
 - Medical College, 118.
- Accounting, 97.
- Administration, General, Committee on, 9.
 - Officers of, 11-39.
 - Of the University, 7-9.
- Admission, 45-52.
 - at second term, 48.
 - by entrance examinations, 48-49.
 - by Regents credentials, 49.
 - by school certificates, 50.
 - from other colleges, 52, 109.
 - of freshmen, 45.
 - of special students, 51, 109, 118, 156.
 - to advanced standing, 51, 108, 118.
 - to Graduate School, 55.
 - to Medical College, 117.
 - to undergraduate colleges, 45-52.
- Advanced Algebra, entrance, 46.
- Advanced Degrees, 55-56.
- Advanced Standing. *See* admission from other colleges.
- Aesthetics, 95.
- Age requirement at admission, 45.
- Agricultural Chemistry, 142.
- Agricultural College Council, 9, 133.
- Agricultural College Library, 180.
- Agricultural Experiment Station, 133.
 - Memoirs, 197.
- Agricultural Students Loan Fund, 197.
- Agriculture, College of, 133-155, 220.
 - admission, 45-52.
 - Third Term in, 57, 139.
 - tuition, 52.
- Agriculture, entrance, 46.
- Agriculture, Summer School, 220-225
 - tuition, 52.
- Agriculture, Winter Courses, 141.
 - tuition, 52.
- Algebra, entrance, 46.
- Alumni, Associate, 199-202.
- Alumni Clubs, 200-202.
- Alumni Field, 196.
- Alumni Fund, State Scholarship, 188.
- Alumni Prize, 155.
- Alumni Trustees, 8.
- American History, 96, 214.
 - as entrance subject, 46.
- Anatomy, 105, 121, 126.
 - Veterinary, 131.
- Ancient History, 96.
 - as entrance subject, 46.
- Animal Husbandry, 131, 142, 222.
- Antiquities, Greek, 88.
 - Roman, 89-90.
- Apiculture, 145.
- Appointments, Hospital, 120, 122.
- Appropriations, N. Y. State, 7.
- Arabic, 88.
- Aramaic, 88.
- Architecture, Bachelor of, 156.
- Architecture, College of, 156-162.
 - admission, 45-52.
 - fees, 53-54.
 - tuition, 52.
- Architecture, Medals in, 162, 185-187.
 - Prizes in, 162, 185-187.
- Armory, 195.
- Art, Landscape, 150, 223.
 - Greek, 88, 212.
 - Roman, 89-90.
- Arts and Sciences, College of, 76-107.
- Arts, Bachelor of, 83.
- Arts College Entrance Diploma, 49, 50.
- Arts, Fine, 94.
 - Sampson Prize in, 187.
- Arts, Mechanic, 169-177.
- Arts, Mechanic, Sibley Prizes, 174, 185.
- Assistant Professors, List of, 11-32.
- Assistants, List of, 35-39.
- Associate Alumni, 199-202.
- Association of Class Secretaries, 206.
- Assyrian, 88.
- Athletic Association, 195.
- Athletics, 195.
- Attendance, Certificate of, 111.
 - Statistics of, 324-325.
- Bachelor of Architecture, degree, 156.
- Bachelor of Arts, degree, 83, 120.
- Bachelor of Arts, degree with Honors, 86.
- Bachelor of Chemistry, degree, 86.
- Bachelor of Laws, degree, 108.
- Bachelor of Science, degree, 140.
- Bachelor of Science in Architecture, degree, 156.
- Bacon Hall, 196.
- Bacteriology, 124, 132, 222.
- Barnes Hall, 193.
- Barnes Reference Library, 180.
- Barnes Shakespeare Prize, 185.
- Beatty Agricultural Scholarship, 184.
- Bellevue Hospital, 117, 122.
- Beneficiary Funds, 196.
- Bennett, James Gordon, Prize, 130, 187.
- Biblical Literature, 88.
- Bibliography, 98.
- Biochemistry, 105, 126.
- Biology, 103, 145, 222.
 - as entrance subject, 46.
- Board of Trustees, 8.
- Boardman Senior Law Scholarship, 183, 192.

- Bookkeeping, entrance, 46.
 Botany, 103, 143, 222.
 as entrance subject, 46.
 Bridge Engineering, 168.
 Brown, C. B., Memorial Medal, 162, 185.
 Browning Prize, Corson, 186.
 Buffalo Alumni Association Scholarship, 184, 192.
 Buildings and Grounds, Committee on, 9.
- Caldwell, G. C., Prize, 187.
 Calendar, 5.
 Cancer, Study and Treatment, 117.
 Research, 124.
 Candidacy for Advanced Degrees, 55-57.
 for Undergraduate Degrees, see Degree.
 Certificate, for Regents' examinations, 49.
 of attendance, 111.
 school, 50.
 Chemistry, 101, 121, 142, 216, 222.
 Bachelor of, 86.
 entrance subject, 46.
 Physical, Journal of, 198.
 prize in, 187.
 Christian Association, 193.
 Civics, entrance, 46.
 Civil Engineer, Degree of, 163.
 Civil Engineering College. See College of Civil Engineering.
 Class Memorials, 207.
 Class Secretaries Association, 206.
 Classical Philology, Studies in, 198.
 Clinic, Small Animal, 131.
 Clinical Pathology, 122.
 College credit at entrance, 51.
 College Entrance Examination Board, 49.
 College Faculties, Constitution of, 10.
 College of Agriculture, 133-155.
 academic year, 139.
 admission, 45-52.
 extension work, 141.
 library, 180.
 summer school, 220-225.
 Third Term, 57, 139.
 tuition, 52.
 Winter Courses, 141, 358-361.
 Architecture, 156-162.
 admission, 45-52.
 fees, 53.
 tuition, 52.
 Arts and Sciences, 76-107.
 admission, 45-52.
 tuition, 52.
 Civil Engineering, 163-168, 218.
 admission, 45-52.
 tuition, 52.
 Law, 108-111.
 admission, 45-52.
 tuition, 52.
- Mechanical Engineering, 169-177.
 admission, 45-52.
 tuition, 52.
 Medicine. See Medical College.
 Sibley. See College of Mechanical Engineering.
 Veterinary, 127-132.
 admission, 45-52.
 tuition, 52.
- Colleges of the University, 10.
 Commencement, Fifty-First Annual, 226-235.
 Fifty-Second Annual, 236-250.
 Committee, Graduate, 55.
 Committees, of University Faculty, 39.
 Standing, of Trustees, 9.
 Comparative Semitic Philology, 88.
 Construction, Materials of, 166.
 Machine, 175.
 Coptic, 88.
 Cornell Law Quarterly, 110.
 Cornell Studies in Classical Philology, 198.
 in English, 198.
 in Philosophy, 198.
 Cornellian Council, 203-205.
 Corson Browning Prize, 186.
 French Prize, 186.
 Council, Agricultural College, 9, 133.
 Cornellian, 203-205.
 Medical College, 9.
 Veterinary College, 9, 128.
 Crandall, C. L., Prizes, 168, 188.
 Credit, College, at entrance, 51.
- Dairy Industry, 144, 222.
 Dana Prizes, 119.
 Dearstyne, Florence, Fund, 197.
 Debate, Prize in, 185.
 Declamation, Prize in, 185.
 Degree, Bachelor of Architecture, 156.
 Bachelor of Arts, 83.
 Bachelor of Arts with Honors, 86.
 Bachelor of Chemistry, 86.
 Bachelor of Laws, 108.
 Bachelor of Science, 140.
 Bachelor of Science in Architecture, 156.
 Civil Engineer, 163.
 Doctor of Medicine, 118, 120.
 Doctor of Philosophy, 56.
 Doctor of Veterinary Medicine, 128.
 Master, 56.
 Mechanical Engineer, 171.
 Degrees, A.B. and B.Arch., 160.
 A.B. and C.E., 165.
 A.B. and LL.B., 110.
 A.B. and M.D., 120.
 A.B. and M.E., 174.
 B.S. and D.V.M., 141.
 Degrees Conferred. See Commencement.
 Dermatology, 125.
 Descriptive Geometry, 166.

- Design, 218.
- Design, Machine, 175.
- Designs, 168.
- Diploma, Arts College Entrance, 49, 50.
 - fee, 53.
 - medical, 120.
 - Science College Entrance, 49, 50.
- Dispensary, Medical College, 117.
- Doctor of Medicine, 118.
 - of Philosophy, 56.
 - of Veterinary Medicine, 128.
- Drawing, 218.
 - Agriculture, 145.
 - Architecture, 161.
 - Civil Engineering, 166.
 - Entrance subject, 46.
 - Mechanical Engineering, 175, 218.
- Early English Text Society Prizes, 187.
- Eastman Prizes, Public Speaking, 155, 186.
- Economic Entomology, 146.
- Economic Geology, 106.
- Economics, 96, 214.
 - Home, 149, 223.
- Economy, Rural, 153, 224.
- Education, Department of, N. Y. State, 49.
- Education, 95, 214.
 - Physical, 107, 217, 223.
 - Rural, 153, 224.
- Egyptian, 88.
- Eighty-Six Memorial Prize, 185.
- Electrical Engineering, 177.
- Elementary Algebra, entrance, 46.
- Embryology, 105, 126.
- Endowment, 7.
- Engineering, Bridge, 168.
 - Civil. See College of.
 - Electrical, 177.
 - Experimental, 176.
 - Geodetic, 166.
 - Heat-Power, 176.
 - Highway, 167.
 - Hydraulic, 167.
 - Industrial, 177.
 - Mechanical. See College of.
 - Mechanics of, 166, 175, 218.
 - Municipal, 167.
 - Railroad, 167.
 - Research, 176.
 - Rural, 154, 225.
 - Sanitary, 167.
 - Shop fees, 53.
 - Topographic, 166.
- English, 92, 213.
 - as entrance subject, 46.
 - Cornell Studies in, 198.
- English History, 96; (entrance), 46.
- Enrollment summary, 324-325.
- Entomology, 103, 145, 222.
- Entrance. See Admission.
- Entrance, College Credit at, 51.
 - Credit, unit of, 45.
 - Diploma, Arts College, 49, 50.
 - Diploma, Science College, 49, 50.
 - Diploma, Vocational, in Agriculture or Home Making, 49.
 - Examinations, admission by, 48.
 - Examinations, College Board, 49.
 - Examinations, Cornell, 48-49.
 - Examinations, Cornell fees, 49.
 - Examinations, Cornell, in New York, 48-49.
 - Regents', 49.
 - Examinations, Time, 48-49.
 - Foreign Language Requirements, 46-47.
 - Requirements, 45-52.
 - Subjects, 46.
- Epigraphy, Greek, 89.
 - Latin, 89.
- Essay Prize, 186.
- Ethics, 94.
- Ethiopic, 88.
- European History, 96.
- Examinations, 111, 119.
 - Entrance, College Board, 49.
 - Cornell, 48-49.
 - Regents', 49.
- Expenses. See Payments.
- Expenses of the University, 7.
- Experiment Station, Agricultural Memoirs, 197.
 - Federal, 133.
- Experimental Engineering, 176.
- Extension Staff, 33-34.
- Extension Teaching, 146.
- Extension Work, College of Agriculture, 141.
- Faculties, Constitution of, 10.
 - Members of. See Colleges.
- Faculty, Committees, 39.
 - Trustees, 9.
 - University, Members of, 11-39.
- Farm Crops, 147.
- Farm Management, 147, 222.
- Farm, Natural History of, 151.
- Farm Practice, 147.
- Federal Experiment Station, 133.
- Fees, 52-54, 118.
- Fellowships and Prizes in Medical College, 119-120.
- Fellowships and Scholarships, tuition for holders of, 57, 58.
- Fellowships, Graduate, Holders of, 189-190.
 - Graduate School, 57.
 - Honorary, 58.
 - Industrial, 58.
- Finance, 97, 98.
- Finance, Committee on, 9.
- Finances of the University, 7.
- Fine Arts, 94.
- Frances Sampson Prize, 187.

- Floriculture, 147, 223.
 Flower Veterinary Library, 180.
 Foreign Language requirements, entrance, 46.
 Forestry, 148, 223.
 Foundation and Endowment, 7.
 Fraser Scholarship, 184, 192.
 Free tuition, 52.
 French, 91, 212.
 and German requirements in Graduate School, 56.
 entrance subject, 46.
 French Prize, Corson, 186.
 Freshman, Admission of, 45.
 Freshman Courses in Arts and Sciences, 85.
 Fuertes Medals, 168, 185.
 Memorial Prizes, 162, 174, 187.
 Game Farming, 155.
 General Administration, Committee on, 9.
 Geodetic Engineering, 166.
 Geographical Summary of students, 325.
 Geography, 217.
 Physical, 106.
 Physical (entrance subject), 46.
 Geology, 105, 217.
 Geometry, Descriptive, 166.
 Plane, entrance, 46.
 Solid, entrance, 46.
 German, 90, 212.
 and French requirements in Graduate School, 56.
 entrance subject, 46.
 Goethe Prize, 188.
 Goldwin Smith Hall Library, 180.
 Gothic, 90.
 Government, 97, 214.
 Government of the University, 7.
 Graduate Prize in Philosophy, 58, 187.
 Graduate School, 55-75.
 admission, 55.
 admission of seniors, 55.
 advanced degrees, 55-56.
 Faculty, 10.
 fellowships and scholarships, 57.
 fellowships and scholarships, holders of, 189-190.
 tuition fees, 52.
 Graduate Students, 1919-20, 59-70.
 Graduate Students, Summer of 1919, 71-75.
 Graduate Theses, Titles of, 231-233, 244-247.
 Graduate Work in Summer, 57.
 Graduate Work in Third Term, Agriculture, 57.
 Graduation fee, 54.
 Greek, 88, 212; (entrance), 46.
 Antiquities, 88.
 Art, 88, 212.
 Epigraphy, 89.
 History, 96.
 Greek Sculpture, 89.
 Guilford Essay Prize, 186.
 Guiteau Student Loan Fund, 196.
 Gymnasium, 195.
 Gynecology, 124.
 Heat-Power Engineering, 176.
 Hebrew, 88.
 High School, General subjects, entrance, 46.
 Highway Engineering, 167.
 Histology, 105, 126.
 History, 96, 214.
 American, 96, 214; (entrance), 46.
 Ancient, 96; (entrance), 46.
 English, 96, 214; (entrance), 46.
 European, 96, 214.
 Greek, 96, 214.
 Medieval, 96.
 Modern, 96; (entrance), 46.
 Oriental, 88, 214.
 Roman, 96, 214.
 Holders of Fellowships and Scholarships 189-190.
 Hollingworth Honorarium, 130, 187.
 Home Economics, 149, 223.
 Honorary Fellowships, 58.
 Honorary Societies, Membership in, 234.
 Hospital, Appointments, 120, 122.
 Bellevue, 117, 122, 123.
 Hudson Street, 123.
 Manhattan State, 117.
 Memorial, 117.
 New York, 117, 122, 123.
 Work, 123.
 Hydraulic Engineering, 167.
 Hydraulics, 167.
 Hygiene, 125, 194.
 Committee on, 40.
 Icelandic, 90.
 Income of the University, 7.
 Industrial Engineering, 177.
 Industrial Fellowships, 58.
 Infirmary, 193; (fee), 53.
 Insect Morphology, 146.
 Institute, Neurological, 117.
 Instruction, Officers of, 11-39.
 Instructors, List of, 11-34.
 Intermediate Algebra (entrance), 46.
 Islandica, 198.
 Italian, 92, 212; (entrance), 46.
 Journal of Physical Chemistry, 198.
 Jurisprudence, Medical, 125; Veterinary, 132.
 Kenney, E. C., Scholarships, 183, 192.
 Knickerbocker, J., Fund, 197.
 Laboratory, fees, 52, 118.
 Loomis, 117.
 Landscape Art, 150, 223.
 Language, foreign, requirements, entrance, 46.

- Laryngology, 125.
- Latin, 89, 212; (entrance), 46.
- Law, College of, 108-111.
 - Cornell, Quarterly, 110.
 - Library, 180.
 - Practice Department, 110.
 - Scholarship, Boardman, 183.
- Laws, Bachelor of, 108.
- Lectures, Nonresident, 41-42, 110, 128.
- Library, (University), 178.
 - Agricultural College, 180.
 - Barnes Reference, 180.
 - Catalogues of, 197.
 - Collections, 179-180.
 - Flower Veterinary, 180.
 - Goldwin Smith Hall, 180.
 - Law, 180.
 - Medical (New York), 180.
 - Staff, 178.
 - Stimson Hall Medical, 180.
- Limnology, 103, 145, 146.
- Loan Funds, 196.
- Logic, 94.
- Loomis Laboratory, 117.
- Machine Construction, 175.
 - Design, 175.
- Manhattan State Hospital, 117.
- Manual Training, entrance, 46.
- Master's degree, 56.
 - for summer work, 56.
- Materia Medica, 121, 131.
- Materials of Construction, 166.
- Mathematics, 98, 215.
- Matriculation fee, 53.
- Meat Inspection, 132.
- Mechanic Arts, 169-177.
 - Prizes, 185.
- Mechanical Engineer, Degree of, 171.
 - Engineering (College of), 169-177.
 - admission, 45-52.
 - shop fees, 53.
 - tuition, 52.
- Mechanics of Engineering, 166, 175, 218.
- Medals, Brown, C. B., Memorial, 162, 185.
 - Fuertes, 168, 185.
 - Sands Memorial, 162, 185.
- Medical Advice, 193.
- Medical Bulletin, 197.
- Medical College, 112-126.
 - academic year, 118.
 - admission, 117.
 - buildings, 117.
 - Council, 9.
 - fellowships and prizes, 119, 120.
 - publications, 197.
 - special courses, 118.
 - tuition, 52, 118.
- Medical Jurisprudence, 125.
- Medical Library, New York City, 180.
 - Stimson Hall, 180.
- Medicine, Doctor of, 118.
 - Medical, 122.
 - Veterinary, 128, 132.
- Medieval History, 96.
- Membership in Honorary Societies, 234.
- Memoirs, Agricultural Experiment Station, 197.
- Memorial Hospital, 117.
- Memorials, Class, 207.
- Messenger, L. L., Prize, 186.
- Meteorology, 151.
- Middle Ages, 96.
- Military Science and Tactics, 39, 107, 194.
- Miller, Jane, Prize, 130, 187.
- Mineralogy, 106.
- Modern History, 96: (entrance), 46.
- Morrison, J. T., Prize, 186.
- Morrison Trophy Cup Prize, 186.
- Municipal Engineering, 167.
- Music, 98, 218.
- Mythology, 88, 89, 91.
- Natural History of the Farm, 151.
- Nature Study, 103, 223.
- Neurological Institute, 117.
- Neurology, 124.
- New York Hospital, 117, 122.
- Ninety-Four Memorial Prize, 185.
- Nonresident Lecturers, 41-42, 128.
- Obstetrics, 123.
 - Veterinary, 132.
- Officers, 9, 40.
 - Instruction and Administration, 11-39.
- Ophthalmology, 125.
- Oral English, 213.
- Oratory, Prizes in, 185.
- Oriental History, 88.
- Ornithology, 145, 146, 217, 224.
- Orthopedic Surgery, 125.
- Otology, 125.
- Pack, C. L., Prize, 155, 188.
- Padgham, Frank William, Scholarship, 183, 192.
- Paleontology, 106.
- Pass cards for Regents' examinations, 49.
- Pathology, Clinical, 122.
 - Medical, 123.
 - Plant, 152.
 - Veterinary, 132.
- Payments to the University, 52-54.
- Pediatrics, 124.
- Percy Field, 195, 196.
- Petrography, 106.
- Pharmacology, 121.
- Philology, French, 91.
 - Germanic, 91.
 - Semitic, 88.
 - Romance, 92.
 - Cornell Studies in, 198.

- Philosophical Review, 198.
 Philosophy, 94, 213.
 Cornell Studies in, 198.
 Graduate Prize in, 58, 187.
 Phonetics, 92.
 Physical Chemistry, Journal of, 198.
 Physical, Education, 107, 217, 223.
 Examinations, 193.
 Geography, 106; (entrance), 46.
 Training, 107, 194, 217.
 Fee, 53.
 Physics, 99, 215; (entrance), 46.
 Physiology, 105, 121, 126, 217.
 Veterinary, 131.
 Plane Geometry, entrance, 46.
 Plane Trigonometry, entrance, 46.
 Plant Breeding, 152.
 Plant Pathology, 152.
 Poetry, J. T. Morrison, Prize, 186.
 Polish Students Loan Fund, 197.
 Political Science, 96, 214.
 Polk, J. M., Prizes, 119, 186.
 Polk, W. M., Prizes, 119, 188.
 Pomology, 152, 224.
 Poultry Husbandry, 153, 224.
 Practice Department, 110.
 Practitioners, Veterinary, Study for, 130.
 Preachers, List of, 43-44.
 Preventive Medicine, 194.
 Prize, Graduate, in Philosophy, 58, 187.
 Prizes, 111, 155, 168, 174, 185-188, 235, 249-250.
 Prizes and Fellowships, in Medical College, 119-120.
 Prizes awarded, 1918-19, 235.
 1919-20, 249-250.
 Professors, List of, 11-32.
 Provençal, 92.
 Psychiatry, 124.
 Psychological Examiners, Training Course for, 214.
 Psychology, 95, 213.
 Public Speaking, 94, 213.
 Prizes in, 186, 187.
 Publications, Official, 198.
 Publications, 197.
 Railroad Engineering, 167.
 Regents' Examinations, 49.
 Registration, summary, 324-325.
 Requirements for Admission, 45-52.
 Research, Cancer, 124.
 Hollingsworth Honorarium for, 187.
 Residential Halls, 193.
 Review, Philosophical, 198.
 Rhinology, 125.
 Ring Memorial Prizes, 187.
 Roberts Scholarship Fund, 155, 184, 192.
 Rochester Cornell Club Student Fund, 184.
 Röntgenology, 125.
 Roll of Honor, 249.
 Roman Antiquities, 89.
 Art, 89.
 History, 96.
 Romance Languages, 91-92.
 Rural Economy, 153, 224.
 Rural Education, 153, 224.
 Rural Engineering, 154, 225.
 Rural Organization, 154, 225.
 Sage Chapel, 193.
 Sampson Fine Arts Prize, 187.
 Sands Memorial Medal, 162, 185.
 Sanitary Engineering, 167.
 Scandinavian, 90.
 Schoellkopf Field, 196.
 Schoellkopf Memorial, 196.
 Scholarship Fund, Roberts, 155, 184, 192.
 Scholarships, 111, 130, 155, 168, 174, 181-188.
 Beatty, 184.
 Boardman, 183, 192.
 Buffalo Alumni Association, 184, 192.
 Foreign Students, 184.
 Fraser, 184, 192.
 Graduate, 57-58.
 Holders of, 189-190.
 Kenney, 183, 192.
 Padgham, 183, 192.
 Roberts, 184, 192.
 State, 181.
 State Grange, 183, 192.
 Student Fund, 184.
 University Undergraduate, 182, 183.
 Holders of, 191-192.
 Wilson, 184, 192.
 School certificate, admission by, 50.
 School Gardening, 225.
 Science College Entrance Diploma, 49, 50.
 Sculpture, Greek, 89.
 Second Term, admission at, 48.
 entrance examinations, 49.
 Seidell, W. C., Book Fund, 197.
 Semitic Languages, 88.
 Seniors, admission to Graduate School, 55.
 Arts and Sciences, in other colleges, 84.
 Shakespeare Prize, Barnes, 185.
 Sherman-Bennett Prize, 186.
 Shop fees, 53.
 Sibley College, 169-177.
 admission, 45-52.
 fees, 53.
 tuition, 52.
 Sibley Prizes in Mechanic Arts, 174, 185.
 Small Animal Clinic, 131.
 Social Science, 97, 214.
 Societies, Honorary, Membership in, 234.
 Soil Technology, 155, 225.
 Solid Geometry (entrance), 46.
 Spanish, 92, 212; (entrance), 46.
 Spanish, J. G. White Prizes, 187.

- Special Courses in Medical College, 118.
- Special Students, admission of, 51. (See Colleges, admission.)
 - tuition and fees, 52.
- Specifications, 168.
- Spherical Trigonometry, entrance, 46.
- State Grange Scholarships, 183, 192.
- State Scholarship Alumni Fund, 197.
- State Scholarships, 181.
- Statistics, 97.
- Stewart Prize, 155, 187.
- Stimson Hall, 117.
 - Medical Library, 180.
- Stratigraphic Geology, 106.
- Student Fund, 184.
- Students Association Prize, 155, 188.
- Students, Graduate, 1919-20, 59-70.
 - Summer, 1919, 71-75.
 - 1919-20, 251-323.
 - Summer Session, 1919, 326-357.
 - Third Term, 326-357.
 - Winter Courses, Agriculture, 358-361.
- Studies in Classical Philology, 198.
- Studies in English, 198.
- Studies in Philosophy, 198.
- Subjects, Entrance, 46.
- Summary of Registration, 324-325.
- Summer, Graduate Work in, 57.
- Summer School in Agriculture, 220-225.
 - tuition, 52.
- Summer Session, 1919, 209-225; (students), 326-357.
- Summer Session, credit toward graduation, 211.
 - graduate work, 57.
- Summer Session, tuition, 52.
- Summer Term, 198, 209.
- Surgery, 123, 125; (Veterinary), 132.
- Systematic Entomology, 145.
- Therapeutics, 123.
- Theses, Arts and Sciences, 85.
 - Graduate, titles, 231-233, 244-247.
- Third Term College of Agriculture, 57, 139.
 - Graduate Work, 57.
 - Students, 326-357.
- Titles of Graduate Theses, 231-233, 244-247.
- Topographic Engineering, 166.
- Trigonometry, entrance, 46.
- Trustees, Alumni, 8.
 - Board of, 8.
 - Standing committees, 9.
- Tuition fees, 52-54, 118.
- Tuition, free, 52.
- Undergraduate Colleges, Admission, 45-52.
 - Tuition, 52.
- Undergraduate Scholarships, 182-183.
 - Holders of, 191-192.
- Unit of credit, definition for certificate, 50.
- University Entrance examinations, 48-49.
 - Faculties of, 10.
 - Faculty, 10.
 - Faculty Committees, 39.
 - Libraries, 178, 197.
 - Preachers, 43-44.
 - Undergraduate Scholarships, 182-183,
 - Holders of, 191-192.
- University year, 45.
 - Agriculture, 139.
 - Medicine, 118.
- Urology, 124.
- Vail, E. G., Fund, 197.
- Vegetable Gardening, 147, 225.
- Veterinary College, 127-132.
 - admission, 45-52.
 - Council, 9, 128.
 - prizes, 130, 181-188.
 - tuition, 52.
- Veterinary, Jurisprudence, 132.
 - Library, Flower, 180.
 - Medicine, 132.
 - Medicine, Doctor of, 128.
 - Practitioners, Study, 130.
 - Students Certificates, 47.
- War Alumni, 243, 248.
- White, H. K., Prizes, 130, 185.
- White, J. G., Prizes in Spanish, 187.
- Whiting Otolology Prizes, 119, 186.
- Wild Life Conservation, 155.
- Wilson, F. L., Scholarship, 184, 192.
- Winter Courses, College of Agriculture, 141.
 - students, 358-361.
 - tuition, 52.
- Woman's Guild Fund, 197.
- Women Students Loan Fund, 197.
- Woodford Prize, 183.
- Wurts Loan Fund, 197.
- Zoology, 104, 131, 217, 225; (entrance), 46.

KEY TO THE UNIVERSITY BUILDINGS

whose names are not indicative of the purposes to which they are devoted.

- BAILEY HALL—Auditorium.
BARNES HALL—Cornell University Christian Association.
BOARDMAN HALL—The College of Law.
CASCADILLA HALL—Dormitory for Men.
FRANKLIN HALL—Department of Electrical Engineering.
GOLDWIN SMITH HALL—Departments of Languages, Philosophy, History, Economics, etc.
LINCOLN HALL—College of Civil Engineering.
MCGRAW HALL—Departments of Geology and Zoology.
MORRILL HALL—Administration Offices; Psychological Laboratory.
MORSE HALL—Department of Chemistry.
PRUDENCE RISLEY HALL—Dormitory for Women.
RAND HALL—Sibley College, Shops.
ROBERTS HALL—Main Building of the College of Agriculture.
ROCKEFELLER HALL—Department of Physics.
SAGE COLLEGE—Dormitory for Women.
SIBLEY COLLEGE—College of Mechanical Engineering.
STIMSON HALL—Ithaca Division of the Medical College.
WHITE HALL—College of Architecture. Department of Mathematics.



