ERRATA.

Page 2, line 7, read: "biographical" instead of "bibliographical."
Page 470, footnote, paragraph 5, line 8, read: "$100,000.00" instead of "$100,00.00."
Page 470, footnote, paragraph 6, read: "A less desirable lot on the north-east corner of Harrison and Lincoln streets, fronting 77 feet on Harrison street, was sold in 1908 for $16,000.00."
TWENTY-SIXTH REPORT
(Seven Annual, Nineteen Biennial)

OF THE

Board of Trustees

OF THE

University of Illinois

URBANA, ILLINOIS

For the Two Years Ending June 30, 1912.
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</table>
Urbana, July 1, 1912.

Honorable Charles S. Deneen, Governor of Illinois:

Sir—I have the honor to submit to you herewith, in compliance with the law, the twenty-sixth report of the Trustees of the University of Illinois, for the two years ending June 30, 1912.

I am, very respectfully, your obedient servant,

Charles M. McConn,
Secretary.
BOARD OF TRUSTEES.

Ex Officio.

Charles S. Deneen, Governor of Illinois, Springfield.
George A. Anthony, President of the State Board of Agriculture, Kewanee.
Frank G. Blair, Superintendent of Public Instruction, Springfield.

Term of Office Expires in 1913.

Mrs. Carrie Alexander-Bahrenburg, Belleville.
Fred L. Hatch, Spring Grove.
A. P. Grout, Winchester.

Term of Office Expires in 1915.

Mrs. Laura B. Evans, Taylorville.
Arthur Meeker, Union Stock Yards, Chicago.
Allen F. Moore, Monticello.

Term of Office Expires in 1917.

Mrs. Mary E. Busey, Urbana.
Otis W. Hoit, Geneseo.

Officers of the Board.

William L. Abbott, 120 Adams street, Chicago, President.
Charles Maxwell McConn, Urbana, Secretary.
Professor S. W. Shattuck, Champaign, Comptroller.

Executive Committee.

William L. Abbott, Chairman; Albert P. Grout; Fred L. Hatch.
ADVISORY BOARDS.

SCHOOL OF PHARMACY.

W. H. Gale, Chicago; Herman Fry, Chicago; E. H. Ladish, Chicago; F. Lueder, Peoria; S. C. Yeomans, Chicago.

AGRICULTURAL EXPERIMENT STATION.

COLLEGE SECTION.

E. W. Burroughs, President of Illinois State Farmers’ Institute, Edwardsville; Joseph Fulkerson, President of Illinois Live Stock Breeders’ Association, Jerseyville; F. D. Voris, President of Illinois State Horticultural Society, Neoga; C. A. Rowe, President of Illinois Corn Growers’ Association, Jacksonville; C. L. Washburn, President of Illinois State Florists’ Association, 76 Wabash Ave., Chicago; J. F. Mason, President of Illinois State Dairymen’s Association, Elgin.

DAIRY SECTION.

Charles Gilkerson, Marengo; J. P. Mason, Elgin; Joseph W. Newman, Elgin; L. A. Spies, St. Jacob; Lewis N. Wiggins, Springfield.

FARM CROPS’ SECTION.

L. F. Maxcy, Curran; C. A. Rowe, Jacksonville; H. J. Sconce, Sidell; S. W. Strong, Urbana; O. P. Wagner, Pontiac.

FLORISTS’ SECTION:

J. F. Ammann, Edwardsville; W. N. Rudd, Morgan Park; J. C. Vaughan, 84-86 Randolph St., Chicago; F. L. Washburn, Bloomington; C. L. Washburn, 76 Wabash Ave., Chicago.

HORTICULTURAL SECTION.

H. A. Aldrich, Neoga; T. E. Goodrich, Cobden; W. S. Perrine, Centralia; J. Mack Tanner, Springfield; F. D. Voris, Neoga.

LIVE STOCK SECTION.

W. S. Corsa, White Hall; E. D. Funk, Shirley; A. P. Grout, Winchester; M. P. Lantz, Carlock; R. J. Stone, Stonington.

SOIL SECTION.

A. N. Abbott, Morrison; Ralph Allen, Delavan; F. I. Mann, Gilman; J. P. Mason, Elgin; E. W. Burroughs, Edwardsville.
UNIVERSITY OF ILLINOIS.

ENGINEERING EXPERIMENT STATION.

CONFERENCE COMMITTEE ON FUEL TESTS OF ILLINOIS COALS.

William L. Abbott, for Board of Trustees, University of Illinois, Chicago; A. Bement, for Western Society of Engineers, Chicago; F. H. Clark, for Western Railway Club, Chicago; W. F. M. Goss, for Engineering Experiment Station, Urbana; Adolph Mueller, for Illinois Manufacturers' Association, Decatur; Carl Scholz, for Illinois Coal Operators' Association, Chicago.

CONFERENCE COMMITTEE ON ELECTRIC TRACTION TESTS.

William L. Abbott, Chief Operating Engineer, Chicago-Edison Company, Trustee of the University of Illinois, Chicago; E. J. Berg, Professor of Electrical Engineering, University of Illinois, Urbana; L. E. Fisher, Consulting Engineer, Danville; T. P. Gaylord, General Manager, Westinghouse Electric Company, Chicago; W. F. M. Goss, Director of the Engineering Experiment Station, University of Illinois, Urbana; Edward C. Schmidt, Professor of Railway Engineering, University of Illinois, Urbana; B. E. Sunny, General Manager, General Electric Company, Chicago.

DEPARTMENT OF CERAMICS.

ADMINISTRATIVE OFFICERS.

(1911-1912.)

Edmund Janes James, Ph.D., LL.D., President.
Thomas Jonathan Burrill, Ph.D., LL.D., Vice President.
Samuel Walker Shattuck, C.E., Comptroller.
Charles Maxwell McConn, A.M., Secretary and Registrar.

THE COUNCIL OF ADMINISTRATION.

Edmund Janes James, Ph.D., LL.D., President.
Thomas Jonathan Burrill, Ph.D., LL.D., Vice President and Professor of Botany.
David Kinley, Ph.D., LL.D., Dean of the Graduate School, Director of the Courses in Commerce, and Professor of Economics.
Eugene Davenport, M.Agr., LL.D., Dean of the College of Agriculture and Professor of Thermatology.
Oliver Albert Harker, A.M., Dean of the College of Law and Professor of Law.
William Edward Quine, M.D., Dean of the College of Medicine and Professor of Medicine and Head of the Department of Medicine.
Thomas Arkle Clark, B.L., Dean of Men and Professor of Rhetoric.
Edgar Jerome Townsend, Ph.D., Dean of the College of Science and Professor of Mathematics.
*Evarts Boutell Greene, Ph.D., Dean of the College of Literature and Arts and Professor of History.
William Freeman Myrick Goss, M.S., D.Eng., Dean of the College of Engineering, Director of the School of Railway Engineering and Administration, and Professor of Railway Engineering.
George Washington Cook, B.S., D.D.S., Dean of the College of Dentistry and Professor of Bacteriology, Pathology, and Therapeutics.
Mrs. Mary Eliza Fawcett, A.M., Acting Dean of Women.
†Arthur Hill Daniels, Ph.D., Acting Dean of the College of Literature and Arts and Professor of Philosophy.

THE COLLEGES AND SCHOOLS.

THE COLLEGE OF LITERATURE AND ARTS.

*Evarts Boutell Greene, Ph.D., Dean.
†Arthur Hill Daniels, Ph.D., Acting Dean.
George Henry Meyer, A.M., Assistant Dean.

* On leave from Feb. 1, 1912.
† Acting dean from Feb. 1, 1912.
THE COLLEGE OF SCIENCE.
Edgar Jerome Townsend, Ph.D., Dean.

THE COLLEGE OF ENGINEERING.
William Freeman Myrick Goss, M.S., D.Eng., Dean.
William Thomas Bawden, A.B., B.S., Assistant Dean.

THE COLLEGE OF AGRICULTURE.
Eugene Davenport, M.Agr., LL.D., Dean.
Fred Henry Rankin, Assistant to the Dean.

THE GRADUATE SCHOOL.
David Kinley, Ph.D., LL.D., Dean.

THE LIBRARY SCHOOL.
Phineas Lawrence Windsor, Ph.B., Director.
Albert Sherwood Wilson, A.M., B.D., Assistant Director.

THE SCHOOL OF MUSIC.

THE SCHOOL OF EDUCATION.
William Chandler Bagley, Ph.D., Director.
Wilford Stanton Miller, A.M., Secretary.

THE SCHOOL OF RAILWAY ENGINEERING AND ADMINISTRATION.
William Freeman Myrick Goss, M.S., D.Eng., Director.

THE SUMMER SESSION.
William Chandler Bagley, Ph.D., Director.

THE COLLEGE OF LAW.
Oliver Albert Harker, A.M., Dean.
Chester Garfield Vernier, Ph.B., J.D., Secretary.

THE COLLEGE OF MEDICINE.
William Edward Quine, M.D., LL.D., Dean.
William Henry Browne, Superintendent.

THE COLLEGE OF DENTISTRY.
Charles Erwin Jones, B.S., D.D.S., Secretary.

THE SCHOOL OF PHARMACY.
*Frederick Marion Goodman, Ph.G., Dean.
William Baker Day, Ph.G., Acting Dean (1911-12) and Secretary.

* On leave 1911-1912.
OFFICERS AND INSTRUCTORS.

Lewis Flint Anderson, Ph.D., Assistant Professor of Education.
John Driscoll Fitz-Gerald II, Ph.D., Assistant Professor of the Romance Languages.
George Tobias Flom, Ph.D., Assistant Professor of the Scandinavian Languages and Literature.
Jakob Kunz, Ph.D., Assistant Professor of Physics.
William Spence Robertson, Ph.D., Assistant Professor of History.
Albert Sherwood Wilson, A.M., B.D., Assistant Professor and Assistant Director of the Library School.
Louis Dixon Hall, M.S., Assistant Professor of Animal Husbandry.
Charles Herschel Sisam, Ph.D., Assistant Professor of Mathematics.
John McBeath Snodgrass, B.S., Assistant Professor of Steam Engineering.
Clarence William Balke, Ph.D., Assistant Professor of Inorganic Chemistry.
Simon Litman, Ph.D., Assistant Professor of Economics.
David Ford McFarland, Ph.D., Assistant Professor of Applied Chemistry.
Edward Wight Washburn, Ph.D., Assistant Professor of Physical Chemistry.
William Thomas Bawden, A.B., B.S., Assistant Dean of the College of Engineering; Assistant Professor.
James Byrne Shaw, D.Sc., Assistant Professor of Mathematics.
Arnold Emch, Ph.D., Assistant Professor of Mathematics.
David Varon, A.D.G.F., Assistant Professor of Architectural Design.
Jean Baptiste Beck, Ph.D., Assistant Professor of the Romance Languages.
Frederick Walton Carpenter, Ph.D., Assistant Professor of Zoology.
Walter Castella Coffey, M.S., Assistant Professor of Sheep Husbandry.
Walter Fairleigh Dodd, Ph.D., Assistant Professor of Political Science.
Herman Bernard Dorner, M.S., Assistant Professor of Floriculture.
Melvin Lorenius Enger, B.S., C.E., Assistant Professor of Theoretical and Applied Mechanics.
Nellie Esther Goldthwaite, Ph.D., Assistant Professor of Household Science.
Alexander Dyer MacGillivray, Ph.D., Assistant Professor of Systematic Entomology.
Jerome Edward Readhimer, Assistant Professor and Superintendent of Soil Fields.
George Foss Schwartz, A.B., B.M., Assistant Professor of Music.
I. Maurice Wormser, A.B., LL.B., Assistant Professor of Law.
Alonzo Morris Buck, M.E., Assistant Professor of Railway Electrical Engineering.
Robert Llewellyn Henry, Jr., J.D., B.C.L., Assistant Professor of Law.
Aretas Wilbur Nolan, A.B., M.S., Assistant Professor of Agricultural Extension.

ASSOCIATES.

Charles Richard Clark, B.S., Associate in Architecture.
Franklin William Scott, A.M., Associate in English.
Ernest Milton Halliday, A.B., LL.B., Associate in English.
Thacher Howland Guild, A.M., Associate in English.
Harrie Stuart Vedder Jones, Ph.D., Associate in English.
Arthur Romeyn Seymour, Ph.D., Associate in Spanish and Adviser to Foreign Students.
Duff Andrew Abrams, C.E., Associate in Theoretical and Applied Mechanics.
Arthur Robert Crathorne, Ph.D., Associate in Mathematics.
Charles Christopher Adams, Ph.D., Associate in Animal Ecology.
Robert Lacy Börger, Ph.D., Associate in Mathematics.
### Summary of Students

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XXXVIII UNIVERSITY OF ILLINOIS.
### SUMMARY OF STUDENTS.

#### 1911-1912—Continued.

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SUMMARY OF STUDENTS.

1911-1912—Concluded.

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DU
OFFICERS AND INSTRUCTORS.

GENERAL ADMINISTRATIVE OFFICERS.

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James Herbert Kelley, A.M., Chief Clerk.

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Samuel Walker Shattuck, C.E., LL.D., Comptroller.
Nathaniel Hay, Purchasing Agent.
Oren Elmer Staples, Chief Clerk.

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Harrison Edward Cunningham, A.B., Assistant Registrar.
Levi Augustus Boice, Recorder.
Ira Melville Smith, LL.B., Chief Clerk.

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Arthur Ray Warnock, A.B., Assistant Dean.

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Francis Keese Wynkoop Drury, A.M., B.L.S., Assistant Librarian.

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James McLaren White, B.S., Supervising Architect.

OFFICE OF THE SUPERINTENDENT OF BUILDINGS.

Joseph Morrow, Superintendent.

OFFICE OF THE SUPERINTENDENT OF GROUNDS.

Evelyn Atkinson, Superintendent.

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Arthur Stanley Pease, Ph.D., Assistant Professor of the Classics and Curator of the Museum of Classical Art and Archeology.
Neil Conwell Brooks, Ph.D., Assistant Professor of German and Curator of the Museum of European Culture.
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‡Arthur Hill Daniels, Ph.D., Acting Dean of the College of Literature and Arts and Professor of Philosophy.
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Maurice Henry Robinson, Ph.D., Professor of Industry and Transportation.
Joseph Cullen Blair, M.S.A., Professor of Pomology.
Horace Adelbert Hollister, A.M., Assistant Professor and High School Visitor.
Oliver Albert Harker, A.M., Dean of the College of Law and Professor of Law.
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Wilber John Fraser, M.S., Professor of Dairy Husbandry.
Frederick Green, A.M., LL.B., Professor of Law.
Harry Sands Grindley, Sc.D., Professor of Animal Chemistry.
§Stephen Sheldon Colvin, Ph.D., Professor of Psychology.
§James Wilford Garner, Ph.D., Professor of Political Science.

* The senate is composed of all University officers of full professorial rank and all others in charge of independent departments of instruction.
† On leave from Feb. 1, 1912.
‡ Acting dean from Feb. 1, 1912.
§ On leave, 1911-1912.
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Edward Bartow, Ph.D., Professor of Sanitary Chemistry and Director of the State Water Survey.
Guy Stanton Ford, Ph.D., Professor of Modern European History.
William Albert Noyes, Ph.D., LL.D., Professor of Chemistry and Director of the Chemical Laboratory.
Ernest Ritson Dewsnup, A.M., Professor of Railway Administration.
William Freeman Myrick Goss, M.S., D.Eng., Dean of the College of Engineering, Director of the School of Railway Engineering and Administration, and Professor of Railway Engineering.
Philip Bovier Hawk, Ph.D., Professor of Physiological Chemistry.
George Abram Miller, Ph.D., Professor of Mathematics.
Edward Cary Hayes, Ph.D., Professor of Sociology.
William Chandler Bagley, Ph.D., Professor of Education and Director of the School of Education.
Julius Goebel, Ph.D., Professor of German.
Charles Henry Mills, D.Mus., F.R.C.O., Professor of Music and Director of the School of Music.
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Phineas Lawrence Windsor, Ph.B., Librarian and Director of the Library School.
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Henry Baldwin Ward, Ph.D., Professor of Zoology.
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David Hobart Carnahan, Ph.D., Associate Professor of the Romance Languages and Chairman of the Department.
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Frank Christian Becht, Ph.D., Assistant Professor of Physiology and Acting Head of the Department.
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Charles Spencer Crandall, M.S., Professor of Pomology.
Edward Harris Decker, LL.B., Professor of Law.
John Archibald Fairlie, Ph.D., Professor of Political Science.
Leonard Hegnauer, B.S., Professor of Crop Production.
John William Lloyd, M.S.A., Professor of Olericulture.
Jeremiah George Mosier, B.S., Professor of Soil Physics.
Gertrude Evelyn Moulton, A.B., Director of Physical Training for Women.
James Harvey Pettit, Ph.D., Professor of Soil Fertility.
John Norton Pomeroy, A.M., LL.B., Professor of Law.
Louie Henrie Smith, Ph.D., Professor of Plant Breeding.
Chester Garfield Vernier, Ph.B., J.D., Professor of Law and Secretary of the Faculty of the College of Law.
George Frederick Arps, Ph.D., Assistant Professor of Psychology.
Cassius Clay Hayden, M.S., Assistant Professor of Dairy Husbandry and Acting Head of the Department of Dairy Husbandry.
Bruce W. Benedict, Director of Shop Laboratories in the Department of Mechanical Engineering.
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Edward Fulton, Ph.D., Associate Professor of Rhetoric.
Frank Smith, A.M., Associate Professor of Zoology and Curator of the Museum.
Otto Eduard Lessing, Ph.D., Associate Professor of German.
William Shirley Bayley, Ph.D., Associate Professor of Geology.
Clarence Walworth Alvord, Ph.D., Associate Professor of History.
Ernest Ludlow Bogart, Ph.D., Associate Professor of Economics.
William Abbott Oldfather, Ph.D., Associate Professor of the Classics.
Charles Zeleny, Ph.D., Associate Professor of Zoology.
Burt Ransom Rickards, B.S., Associate Professor of Municipal and Sanitary Dairying.
Henry Lewis Rietz, Ph.D., Associate Professor of Mathematics.

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George Henry Meyer, A.M., Assistant Professor of German and Assistant Dean of the College of Literature and Arts.
Edward Chauncey Baldwin, Ph.D., Assistant Professor of English.
Charles Frederick Hotte, Ph.D., Assistant Professor of Botany.
Neil Conwell Brooks, Ph.D., Assistant Professor of German and Curator of the Museum to Illustrate the History of European Culture.
Oscar Adolph Leutwiler, M.E., Assistant Professor of Machine Design.
Frances Simpson, M.L., B.L.S., Assistant Professor of Library Economy and Reference Librarian.
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Charles Tobias Knipp, Ph.D., Assistant Professor of Physics.
Joel Stebbins, Ph.D., Assistant Professor of Astronomy and Director of the Observatory.
Richard Sydney Curtiss, Ph.D., Assistant Professor of Organic Chemistry.
Harry Gilbert Patil, Ph.D., Assistant Professor of the English Language and Literature.
Anna May Price, A.M., B.L.S., Assistant Professor of Library Economy.
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Thomas Edmund Savage, Ph.D., Assistant Professor of Stratigraphic Geology.
* Susannah Usher, B.S., Assistant Professor of Household Science.
Francis Keece Wynkoop Drury, A.M., B.L.S., Assistant Librarian.
* Charles Wesley Malcolm, C.E., Assistant Professor of Structural Engineering.
William Dietrich, M.S.A., Assistant Professor of Swine Husbandry.
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Fred Henry Ranklin, Assistant Professor and Superintendent of Agricultural Extension.
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Ellery Burton Paine, M.S., E.E., Assistant Professor of Electrical Engineering.
Edward Hardenbergh Waldo, A.B., M.E., Assistant Professor of Electrical Engineering.
Justus Watson Folsom, Sc.D., Assistant Professor of Entomology.
Laurence Marcellus Larson, Ph.D., Assistant Professor of History.
William Frederick Schulz, E.E., Ph.D., Assistant Professor of Physics.
John Christie Duncan, Ph.D., Assistant Professor of Accountancy.
Arthur Stanley Pease, Ph.D., Assistant Professor of the Classics and Curator of the Museum of Classical Art and Archaeology.
John Myron Bryant, B.S., E.E., Assistant Professor of Electrical Engineering.

* On leave, 1911-1912.
George Conrad Habermeyer, B.S., Associate in Municipal and Sanitary Engineering.
Nelson William Hepburn, M.S., Associate in Dairy Manufactures.
George McPhail Smith, Ph.D., Associate in Chemistry.
Howard Vernon Canter, Ph.D., Associate in the Classics.
James Theophilus Barrett, Ph.D., Associate in Botany.
Ernest Barnes Lytle, Ph.D., Associate in Mathematics.
Jacob Zeitlin, Ph.D., Associate in English.
Henry Perly Rusk, B.S., Associate in Beef Cattle Husbandry.
John Mabry Mathews, Ph.D., Associate in Political Science.
Ernest Winfield Bailey, M.S., Associate in Horticulture.
Daniel Otis Barto, B.S., Associate in Poultry Husbandry.
Royden Earl Brand, B.S., Associate in Dairy Husbandry.
Solon Justus Buck, A.M., Research Associate in History.
Laurie Lorne Burgess, Ph.D., Associate in Chemistry.
Clarence George Derick, Ph.D., Associate in Chemistry.
William George Eckhardt, B.S., Associate in Soil Fertility.
James Lloyd Edmunds, B.S., Associate in Horse Husbandry.
Virgil R. Fleming, B.S., Associate in Theoretical and Applied Mechanics.
Francis Seeley Foote, Jr., E.M., Associate in Railway Civil Engineering.
Axel Ferdinand Gustafson, B.S., Associate in Soil Physics.
Helen Isham, Ph.D., Associate in Chemistry.
Grinnell Jones, Ph.D., Associate in Chemistry.
Harvey Willard Miller, B.S., Associate in General Engineering Drawing.
Frank Allen Patterson, Ph.D., Associate in English.
Helena Maude Pincomb, B.S., Associate in Household Science.
James Elmo Smith, B.S., C.E., Associate in Civil Engineering.
Ray Thomas Stull, E.M., Associate in Ceramics.
Arthur Howard Sutherland, Ph.D., Associate in Psychology.
Francis Church Lincoln, Ph.D., Associate in Mining Engineering.
Paul Hansen, B.S., Associate in Sanitary Engineering and Engineer for the State Water Survey.

INSTRUCTORS.

Martha Jackson Kyle, A.M., Instructor in English.
Daisy Luana Blaisdell, A.M., Instructor in German.
Florence Nightingale Jones, Ph.D., Instructor in the Romance Languages.
Otis Orion Stanley, M.S., M.D., Instructor in Physiology.
Mrs. Constance Barlow Smith, Instructor in Sight Singing and Ear Training; in charge of Public School Methods.
David Leonard Scroggin, Instructor in Machine Shop.
Charles Francis Briscoe, A.M., Instructor in Bacteriology.
Henri Jacobus van den Berg, Instructor in Piano.
William Van Dunkin, B.S., M.E., Instructor in Machine Design.
Edgar Thomas Lanham, Instructor in Forge Shop.
* Sophie Mary Voss, Mus.B., Instructor in Piano.
Frederick Ellis, Instructor in Wood Shop.
Albert Austin Harding, Instructor in Band Instruments and Director of the University Military Band.
Frank Gardner Willson, B.S., Instructor in Electrical Engineering.
Harvey Ellison Murdock, M.E., Instructor in Theoretical and Applied Mechanics.
Carroll Carson Wiley, B.S., C.E., Instructor in Civil Engineering.
Mary Minerva Wetmore, Instructor in Art and Design.
Harry Lovering Gill, Instructor in Track Athletics and Assistant Director of Physical Training.
Harry Frederick Godeke, B.S., Instructor in Mechanical Engineering Laboratory.
Leo Gregory Hana, Instructor in Physical Training and Director of the Men’s Gymnasium.

* Resigned Feb. 1, 1912,
Elmer Howard Williams, Ph.D., Instructor in Physics.
Lois Derwentwater McCobb, Instructor in Voice.
George Wellington Pickels, Jr., B.C.E., Instructor in Civil Engineering.
Charles Marshall Poor, Ph.D., Instructor in German.
John Jefferson Richey, B.S., C.E., Instructor in Civil Engineering.
John Giffin Thompson, Ph.D., Instructor in Economics.
Frank Walker Reed, Ph.D., Instructor in Astronomy.
Florence Rising Curtis, A.B., B.L.S., Instructor in Library Economy.
Francis Marion Porter, M.S., Instructor in General Engineering Drawing.
John Ker Towles, Ph.D., Instructor in Economics.
Charles Fabens Kelley, A.B., Instructor in Art and Design.
Gustaf Eric Wahlin, Ph.D., Instructor in Mathematics.
Harry Gray Hake, M.S., Instructor in Electrical Engineering.
Leonard Vaughan James, B.S., Instructor in Electrical Engineering.
Richard Henry Jesse, Jr., Ph.D., Instructor in Chemistry.
LeRoy Lang, M. S., Instructor in Dairy Manufactures.
Ellen S. McCarthy, Ph.D., Instructor in Chemistry.
Thomas Smith Taylor, Ph.D., Instructor in Physics.
Mary Edith Williams, A.M., Instructor in Physical Training for Women.
George Paul Boomsliter, B.S., Instructor in Theoretical and Applied Mechanics.
Archie Reed Alger, B.S., C.E., Instructor in Civil Engineering.
Florence M. Kirkup, Instructor in Voice.
Fred B. Seely, B. S., Instructor in Theoretical and Applied Mechanics.
Robert Kent Steward, B.S., C.E., Instructor in General Engineering Drawing.
Charles Allyn Williams, Ph.D., Instructor in German.
George Byron Norris, Instructor in Swimming.
David Simon Blondheim, Ph.D., Instructor in the Romance Languages.
Edith E. Bratton, Instructor in Violin.
Herbert Le Sourd Creek, Ph.D., Instructor in English.
James Hutchinson Forsythe, B.S., Instructor in Architecture.
Paul Wright Gawne, B.S., Instructor in Wood Shop and Foundry.
Paul Edward Howe, Ph.D., Instructor in Physiological Chemistry.
Jay Walter Woodrow, A.B., Instructor in Physics.
Neal Bryant Garver, B.S., C.E., Instructor in Civil Engineering.
Harmon Frederick Gonnerman, B.S., Instructor in Theoretical and Applied Mechanics.
Robert Edwin Kennedy, Instructor in Foundry.
Alonzo Plumsted Kratz, M.S., Instructor in Mechanical Engineering.
Leonard Bloomfield, Ph.D., Instructor in German.
Perry John Freeman, B.S., Instructor in Machine Construction.
William Horace Rayner, B.S., Instructor in Civil Engineering.
Louis Brandt, B.S., Instructor in Landscape Gardening.
John Adlum Dent, M.E., Instructor in Mechanical Engineering.
Roy Childs Jones, B.S., Instructor in Architecture.
McElroy Johnston, Instructor in Voice.
George Denton Beal, Ph.D., Instructor in Chemistry.
Clarence Valentine Boyer, Ph.D., Instructor in English.
Archie Stanton Buyers, B.S., Instructor in Mechanical Engineering.
William Truman Crandall, B.S., Instructor in Milk Products.
Nina Belle Crigler, B.S., Instructor in Household Science.
Ira Wilmer Dickerson, B.S., Instructor in Agricultural Mechanics.
Charles Elmer Durst, Instructor in Olericulture.
Ora Stanley Fisher, B.S., Instructor in Soil Fertility.
Ira William Fisk, B.S., Instructor in Electrical Engineering.
Cora Emeline Gray, M.S., Instructor in Household Science.
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Glen Alfred Shook, A.B., Instructor in Physics.
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Ellis Bayley Stouffer, Ph.D., Instructor in Mathematics.
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Frank M. Okey, B.C.E., Instructor in Civil Engineering.
Lockwood Janes Towne, B.C.E., Instructor in Civil Engineering.
Emery Nelson Ferriss, Ph.D., Instructor in English.
Pauline Wurster, A.B., Instructor in Household Science.
Armin Hajman Koller, Ph.D., Instructor in German.
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Friedrich Gunther Jacoby, Ph.D., Special Lecturer in German Literature and Philosophy.
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Roger Frank Little, A.B., LL.B., Special Instructor in Legal Procedure.

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Mary Eula McKinney, A.B., Assistant in English.
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Lora Atkins Henion, A.M., Assistant in English.
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Olaf Bergeim, Student Assistant in Chemistry.
Mary Buchele, Student Assistant in Physical Training for Women.
Harry Rushing Cochran, Student Assistant in Chemistry.
Arthur Dechman, Student Assistant in Chemistry.
Lawrence Turner Fairhall, Student Assistant in Chemistry.
Rosa Lee Gaut, Student Assistant in Physical Training for Women.
Charles Kay Hewes, Student Assistant in Chemistry.
A. L. Israel, Student Assistant in Chemistry.
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Albert W. Owens, Student Assistant in Chemistry.
Clarence Scholl, Student Assistant in Water Survey.
Scott Champlin Taylor, Student Assistant in Chemistry.
Paul Stanley Woodward, Student Assistant in Chemistry.
John Jonathan Yoke, Student Assistant in Animal Husbandry.
Edward Anton Glenz, Student Assistant in Chemistry.

ASSISTANTS IN MILITARY SCIENCE.

Paul Kircher, Assistant in Military Science.
Homer Boys Hull, Assistant in Military Science.
Lester Herbert Graves, Assistant in Military Science.
Victor Robert Sladek, Assistant in Military Science.
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Donald McKay Gallie, D.D.S., Professor of Operative Dentistry, and Operative Technic.
George Walter Ditmar, D.D.S., Professor of Prosthetic Dentistry, and Superintendent of Infirmary.
Charles Erwin Jones, B.S., D.D.S., Secretary and Registrar, Professor of Materia Medica and Therapeutics.
Frederick B. Moorehead, A.B., D.D.S., M.D., Professor of Oral Surgery.
James Alfred Burrill, D.D.S., Professor of Orthodontia.
Jacob F. Burkholder, M.D., Professor of Physiology.
Frank E. Wynekoop, M.D., Professor of Histology and Microscopy.
Elmer DeWitt Brothers, B.S., LL.B., Professor of Dental Jurisprudence.
Roden R. Duff, M.D., Professor of Physical Diagnosis and Anesthesiology.
Warren C. Hawthorne, A.B., M.S., Professor of Chemistry.
Seth E. Meek, M.S., Ph.D., Professor of Comparative Anatomy.
Leonard C. Borland, M.D., Professor of General and Regional Anatomy.
Louis E. Bake, D.D.S., Associate Professor of Operative and Prosthetic Technology.
Henry C. Lee, Ph.G., D.D.S., Associate Professor of Materia Medica.
Louis Schultz, D.D.S., M.D., Adjunct Professor of Oral Surgery.
Arthur G. Nauman, D.D.S., Associate Professor of Dental Anatomy.

CHIEF DEMONSTRATORS.


DEMONSTRATORS.

George H. Vann, D.D.S., Operative Department.
Solomon P. Starr, D.D.S., Operative Department.

QUIZ MASTERS.

Louis E. Bake, D.D.S., Prosthetic Department.

THE SCHOOL OF PHARMACY.

Edmund Janes James, Ph.D., LL.D., President.
*Frederick Marion Goodman, Ph.G., Dean, Professor of Materia Medica and Botany.
Albert Henry Clark, Ph.G., Assistant Professor of Chemistry.
William Baker Day, Ph.G., Acting Dean, Secretary, Professor of Historical Botany.
Clyde Mason Snow, Ph.G., Assistant Professor of Pharmacy.
Henry Horace Rogers, Ph.B., M.D., Lecturer on Physiology.
Edmund Norris Gathercole, Ph.G., Instructor in Pharmacognosy.
Henry William Colson, Assistant in Chemistry.
Ben Lee Eicher, Assistant in Pharmacy.

* On leave, 1911-12.
THE COLLEGE OF MEDICINE.

(Formerly the College of Physicians and Surgeons of Chicago.)

Edmund Janes James, Ph.D., LL.D., President.
William Edward Quine, M.D., LL.D., Dean, Professor of Medicine and
Head of the Department of Medicine.
Daniel Atkinson King Steele, M.D., LL.D., Actuary, Professor of Surgery
and Clinical Surgery and Head of the Department of Surgery.
Oscar A. King, M.D., Professor of Neurology and Psychiatry, and Clinical
Neurology and Psychiatry and Head of the Department of Neurology and
Psychiatry.
Henry Parker Newman, A.M., M.D., Professor of Gynecology and Clinical
Gynecology, Emeritus.
G. Frank Lydston, M.D., Professor of Genito-Urinary Surgery and Vene-
real Diseases.
John Erasmus Harper, A.M., M.D., Professor of Ophthalmology and
Clinical Ophthalmology and Head of the Department of Ophthalmology.
James M. G. Carter, A.M., D.Sc., Ph.D., M.D., Professor of Clinical Medi-
cine, Emeritus.
Henry Turman Byford, A.M., M.D., Professor of Clinical Gynecology and
Head of the Department of Gynecology.
William Allen Pusey, A.M., M.D., Vice Dean, Professor of Dermatology
and Clinical Dermatology.
Thomas Archibald Davis, M.D., Professor of Surgery and Clinical Surgery.
Frank Breckenridge Earle, M.D., Professor of Pediatrics.
Adolph Gehrmann, M.D., Professor of Hygiene and Bacteriology.
William McIntyre Harsha, A.B., M.D., Professor of Surgery and Clinical
Surgery.
Maurice Louis Goodkind, M.D., Professor of Clinical Medicine.
Frank Eldridge Wynekoop, M.S., M.D., Professor of Biology, Histology
and Embryology.
Carl Beck, M.D., Professor of Clinical Surgery.
George Peter Dreyer, A.B., Ph.D., Professor of Physiology and Physiolo-
gical Chemistry.
John Lincoln Porter, M.D., Professor of Orthopedic Surgery.
Albert John Ochsner, B.S., F.R.M.S., M.D., Professor of Surgery and
Clinical Surgery.
*Alexander Hugh Ferguson, M.B., C.M., F.T.M.S., M.D., Professor of
Surgery and Clinical Surgery.
Arthur Mills Corwin, A.M., M.D., Professor of Physical Diagnosis.
Charles Sumner Bacon, A.M., Ph.B., M.D., Professor of Obstetrics and
Clinical Obstetrics and Head of the Department of Obstetrics.
Edward Franklin Wells, M.D., Professor of Clinical Medicine.
Charles Spencer Williamson, B.S., M.D., Professor of Medicine and Clin-
cal Medicine.
Bernard Fantus, M.D., Professor of Materia Medica and Therapeutics and
Assistant Professor of Clinical Médecine.
William Lincoln Ballenger, M.D., Professor of Laryngology, Rhinology
and Otology, and Clinical Laryngology, Rhinology and Otology, and Head
of the Department of Laryngology, Rhinology and Otology.
Elmer DeWitt Brothers, B.S., LL.B., Professor of Medical Jurisprudence.
Bertha Van Hoosen, A.M., M.D., Professor of Clinical Gynecology.
Rachelle S. Yarros, M.D., Professor of Clinical Obstetrics and Associate
Professor of Obstetrics.
Frederick Tice, M.D., Professor of Diseases of the Chest and of Clinical
Medicine.
Charles Davison, M.D., Professor of Surgery and Clinical Surgery.
William Fuller, M.D., Professor of Operative Surgery and Associate Pro-
fessor of Clinical Surgery.

* Deceased, 1911.
Joseph McIntyre Patton, M.D., Professor of Clinical Medicine.
William Elliott Gamble, B.S., M.D., Professor of Clinical Ophthalmology and Associate Professor of Ophthalmology.
J. Brown Loring, M.R.C.S., C.M., M.D., Professor of Clinical Ophthalmology.
William Albert Fisher, M.D., Professor of Ophthalmology (Ophthalmoscopy).
Daniel Nathan Eisendrath, A.B., M.D., Professor of Surgery and Clinical Surgery.
Stella May Gardner, M.D., Professor of Laboratory Diagnosis.
Warren Coleman Hawthorne, B.A., M.S., Professor of Chemistry.
Lee Harrison Mettler, A.M., M.D., Professor of Clinical Neurology.
Channing Whitney Barrett, M.D., Professor of Gynecology and Clinical Gynecology.
George Frank Lydston, M.D., Professor of Genito-Urinary Surgery and Venereal Diseases and Clinical Genito-Urinary Surgery and Venereal Diseases.
Leonard C. Borland, M.D., Professor of Anatomy.
Haim I. Davis, M.D., Professor of Clinical Psychiatry.

ASSOCIATE PROFESSORS.

Twing Brooks Wiggin, M.D., Associate Professor of Physical Diagnosis.
Charles Clayton O'Byrne, M.D., Associate Professor of Pathology and Adjunct Professor of Surgery.
Richard Hunt Brown, M.D., Associate Professor of Clinical Laryngology, Rhinology and Otology.
Mary Gilruth McEwen, B.S., M.D., Associate Professor of Clinical Gynecology.
Matthew Mills, L.L.D., Associate Professor of Medical Jurisprudence.
Louis W. Bremerman, M.D., Associate Professor of Genito-Urinary Surgery and Venereal Diseases and Clinical Genito-Urinary Surgery and Venereal Diseases.
Ephraim Kirkjatrick Findlay, C.M., M.D., Associate Professor of Clinical Ophthalmology.

ASSISTANT PROFESSORS.

Edward Milton Brown, M.D., Assistant Professor of Clinical Surgery.
Mary Jeanette Kearsley, M.D., Assistant Professor of Clinical Gynecology.
Arthur Henry Brumback, M.D., Assistant Professor of Clinical Gynecology.
Charles Edward Humiston, M.D., Assistant Professor of Clinical Surgery and Assistant Professor of Junior Surgery.
Frederick Gillett Harris, M.D., Assistant Professor of Dermatology.
Emanuel Oliver Benson, A.B., M.D., Assistant Professor of Pediatrics and Clinical Pediatrics.
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Charles M. Jacobs, M.D., Assistant Professor of Orthopedic Surgery.
Rachel Hickey Carr, M.D., Assistant Professor of Clinical Surgery.
Nelson Mortimer Percy, M.D., Assistant Professor of Clinical Surgery.
John Ross Harger, M.D., Assistant Professor of Junior Surgery and Minor Surgery.
Frank Donaldson Moore, M.D., Assistant Professor of Junior Surgery.
Otto Herman Rohrlack, M.D., Assistant Professor of Obstetrics and Clinical Obstetrics.
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OFFICERS AND INSTRUCTORS.

INSTRUCTORS.

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Ulysses Grant Darling, M.D., Instructor in Senior Neurology and Psychiatry.
John Michael Lang, M.D., Instructor in Gynecology and Clinical Gynecology.
Solomon Eisenstaedt, B.S., M.D., Instructor in Senior Medicine.
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Henry Eugene Irish, M.D., Instructor in Materia Medica and Therapeutics.
Carl Westman, M.D., Instructor in Medical Gymnastics.
Irving Herbert Eddy, M.D., Instructor in Gynecology.
Maurice Lewison, M.D., Instructor in Diseases of the Chest.
William Henry Crede, M.D., Instructor in Diseases of the Chest.
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Arthur William Stillians, M.D., Instructor in Dermatology.
Charles Cornelius Clark, M.D., Instructor in Clinical Surgery.
Annie Esther Barron, M.D., Instructor in Clinical Obstetrics.
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Lois Lindsay Wynekoop, M.D., Instructor in Biology, Histology and Embryology.
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Howard O. Shafer, M.D., Instructor in Senior Surgery.
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Frank John Novak, Student Assistant in Chemistry.
Howard Samuel Perry, Student Assistant in Chemistry.
Richard R. Rupert, Student Assistant in Anatomy.
Edward F. Slavik, Student Assistant in Chemistry.
H. W. Tupper, Student Assistant in Chemistry.
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Francis Keese Wynkoop Drury, A.M., B.L.S., Assistant Librarian.
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Margaret M. Herdman, A.B., General Assistant.

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Mary Hilda Roberts, A.B., Order Assistant.
Aurella Knapp, A.B., Order Assistant.
Nellie M. Robertson, A.B., Order Assistant.
Sloane Duncan Watkins, A.B., Order Assistant.

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Lila Alexander, Catalog Assistant.
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REFERENCE DEPARTMENT.

Frances Simpson, M.L., B.L.S., Reference Librarian.
Margaret Hutchins, A.B., B.L.S., Reference Assistant.
Alice Sarah Johnson, B.L.S., Reference Assistant.

LOAN DEPARTMENT.

Emma Reed Jutton, B.L.S., Loan Librarian.
Frances Margaret Feind, A.B., B.L.S., Loan Assistant.
Sarah Elizabeth Bryan, A.B., B.L.S., Loan Assistant.
Ina May Brown, Loan Assistant.
Viola Fraser, Loan Assistant.
Bertram Smith, Ph.B., Shelf Assistant.
Leroy Prickett, Shelf Assistant.

ASSISTANTS IN SEMINAR AND DEPARTMENTAL LIBRARIES.

Nellie Corey Geddes, A.B., B.S., Classical Seminar.
Florence Rising Curtis, A.B., B.L.S., Library School.
Ola M. Wyeth, A.B., B.L.S., Germanic and Romance Languages Seminar.
Jennie Adah Craig, A.B., B.L.S., English Seminar.
Margaret Lucy Kingsbury, A.B., History and Political Science Seminar.
Margaret Niver, Architecture.
THE AGRICULTURAL EXPERIMENT STATION.

STAFF.

Eugene Davenport, M.Agr., LL.D., Director.
Cyril George Hopkins, Ph.D., Vice Director.
Thomas Jonathan Burrill, Ph.D., LL.D., Botanist.
Stephen Alfred Forbes, Ph.D., Consulting Entomologist.
Donald McIntosh, V.S., Consulting Veterinarian.
Henry Lewis Rietz, Ph.D., Statistician.
* Catherine McCallum McIntyre, Secretary.

IN AGRONOMY.

Cyril George Hopkins, Ph.D., Chief.
Louie Henrie Smith, Ph.D., Chief, Plant Breeding.
Jeremiah George Mosier, B.S., Chief, Soil Physics.
James Harvey Pettit, Ph.D., Chief, Soil Fertility.
Leonard Hegnauer, B.S., Chief, Crop Production.
Jerome Edward Readhimer, B.S., Superintendent, Soil Experiment Fields.
William George Eckhardt, B.S., First Assistant, Soil Fertility.
Axel Ferdinand Gustafson, B.S., First Assistant, Soil Physics.
Ernest Van Alstine, B.S., Associate, Chemistry.
Joseph Paul Aumer, B.S., Assistant, Chemistry.
Arthur Lumbrick, B.S., Assistant, Crop Production.
Ora Stanley Fisher, B.S., Assistant, Soil Fertility.
Clarence Chester Logan, B.S., Associate, Soil Physics.
Jay Boardman Park, B.S., Assistant, Chemistry.
Sidney Viel Holt, B.S., Assistant, Soil Survey.
Harold Wilson Stewart, B.S., Assistant, Soil Survey.
Henry Clyde Wheeler, B.S., Assistant, Soil Survey.
Gertrude Niederman, B.S., Assistant, Chemistry.
John Ezra Whitchurch, B.S., Assistant, Soil Fertility.
Ward Hanson Sachs, B.S., Assistant, Soils.
Elmer Massey McDonald, B.S., Assistant, Crop Production.
Ezekiel Edward Hoskins, B.S., Assistant, Soil Fertility.
Wilbur Roy Leighty, B.S., Assistant, Chemistry.
Forest Adison Fisher, B.S., Assistant, Soil Survey.
Frank William Garrett, B.S., Assistant, Soil Fertility.
Walter Byron Gernert, Ph.D., Assistant, Plant Breeding.
Perry E. Karraker, B.S., Assistant, Soil Survey.
Frederick Martin William Wascher, B.S., Assistant, Soil Survey.
Frederick Charles Bauer, B.S., Assistant, Soil Fertility.
Fred Weaver Muncie, B.S., Assistant, Chemistry.

IN ANIMAL HUSBANDRY.

Herbert Windsor Mumford, B.S., Chief.
Harry Sands Grindle, Sc.D., Chief, Animal Chemistry.
William Dietrich, M.S., Assistant Chief, Swine Husbandry.
Louis Dixon Hall, M.S., Assistant Chief, Animal Husbandry.
Walter Castella Coffey, M.S., Assistant Chief, Sheep Husbandry.
Henry Perly Rusk, M.S.A., First Assistant, Cattle Husbandry.
James Lloyd Edmonds, B.S., First Assistant, Horse Husbandry.
Harold Hanson Mitchell, B.S., Assistant, Chemistry.
William Herschl Smith, B.S., Assistant, Animal Husbandry.
Leonora Perry, A.B., B.L.S., Editorial Assistant.
Sleeter Bull, M.S., Assistant, Animal Nutrition.
John Jonathan Yoke, Assistant, Animal Husbandry.

* Deceased, 1912.
IN DAIRY HUSBANDRY.

Wilbur John Fraser, M.S., Chief.
Cassius Clay Hayden, M.S., Assistant Chief, Dairy Husbandry.
Burt Ransom Rickards, B.S., Assistant Chief, Municipal and Sanitary Dairying.
Nelson William Hepburn, M.S., First Assistant, Dairy Manufactures.
Royden Earl Brand, B.S., First Assistant, Dairy Husbandry.
Walter Lee Gaines, M.S., Associate, Dairy Husbandry.
Jesse Melangthon Barnhart, B.S., Assistant, Chemistry.
LeRoy Lang, M.S., Assistant, Dairy Manufactures.
Frederick Andreas Jorgenson, Assistant, Field Work.
William Truman Crandall, B.S., Assistant, Milk Production.
Homer Elkanah McNatt, B.S., Assistant, Municipal and Sanitary Dairying.
Ray Stillman Hulce, B.S.A., Assistant, Milk Production.
Oliver Arnold Keller, B.S., Assistant, Dairy Manufactures.
James Pugh Terry, B.S., Assistant, Dairy Manufactures.

IN HORTICULTURE.

Joseph Cullen Blair, M.S.A., Chief.
Charles Spencer Crandall, M.S., Chief, Plant Breeding.
Oscar S. Watkins, B.S., Associate Chemist, Horticulture.
Herman Bernard Dorner, M.S., Assistant Chief, Floriculture.
Arno Herbert Nehrling, Assistant, Floriculture.
Ernest Winfield Bailey, M.S., Assistant, Plant Breeding.
Charles Elmer Durst, B.S., Assistant, Olericulture.
Thomas Bregger, B. S., Assistant, Plant Breeding.
Lawrence Earl Foglesong, B.S., Assistant, Pomology.
Alfred Joseph Gunderson, B.S., Assistant, Pomology.

IN BOTANY.

Thomas Jonathan Burrill, Ph.D., LL.D., Chief.
James Theophilus Barrett, Ph.D., Chief Assistant in Botany.

THE ENGINEERING EXPERIMENT STATION.

Edmund Janes James, Ph.D., LL.D., President.

STAFF.

William Freeman Myrick Goss, M.S., D.Eng., Director.
Elizabeth Andrews Swift, A.B., Assistant Editor.
The Heads of the Departments in the College of Engineering.

SPECIAL INVESTIGATORS.

Herbert Fisher Moore, M.M.E., Assistant Professor in the Department of Theoretical and Applied Mechanics.
Duff Andrew Abrams, C.E., Associate in the Department of Theoretical and Applied Mechanics.
David Ford McFarland, A.M., M.S., Ph.D., First Assistant in the Department of Chemistry.
Willis Appleford Slater, M.S., First Assistant in the Department of Theoretical and Applied Mechanics.
OFFICERS AND INSTRUCTORS.

Trygve D. Yensen, B.S., Assistant in the Department of Electrical Engineering.
John Nicholas Vedder, A.M., Assistant in the Department of Mechanical Engineering.
Jean Paul Clayton, M.E., Assistant in the Department of Mechanical Engineering.

RESEARCH FELLOWS.

Claudius Edmund Bennett, B.Sc., Electrical Engineering.
Floyd Hays Millard, B.S., Theoretical and Applied Mechanics.
Hubert Leonard Olin, A.B., Chemistry.
Willard Clarke Eells, B.S., Theoretical and Applied Mechanics.
Harold Allen Houston, B.S., Railway Engineering.
Mayne Seguine Mason, B.S., Electrical Engineering.
William Earl Mosher, M.E., Mechanical Engineering.

THE STATE LABORATORY OF NATURAL HISTORY.

Edmund Janes James, Ph.D., LL.D., President.

STAFF.

Stephen Alfred Forbes, Ph.D., LL.D., Director.
Mary Jane Snyder, Secretary.
Robert Earl Richardson, A.M., Assistant in charge of Biological Station.

THE STATE ENTOMOLOGIST'S OFFICE.

STAFF.

Stephen Alfred Forbes, Ph.D., LL.D., State Entomologist.
Wesley Pillsbury Flint, Assistant for Central Illinois.
Lindley Malcolm Smith, B.S., Assistant for Southern Illinois.
Horace Frederic Hudson, B.S.A., Field Assistant.
William Chaldee Matthews, Artist.
Walter Sidney Abbott, B.S., Office Assistant.
Pressley Adams Glenn, A.M., Chief Horticultural Inspector.

THE STATE WATER SURVEY.

Edmund Janes James, Ph.D., LL.D., President.

STAFF.

Edward Bartow, Ph.D., Director.
Thomas J. Burrill, Ph.D., LL.D., Consulting Bacteriologist.
Samuel Wilson Farr, M.S., Consulting Chemist.
Arthur Newell Talbot, C.E., Consulting Engineer.
Paul Hansen, B.S., Engineer.
Wilfred Francis Langelier, M.S., Inspector.
Walter Bernreuter, A.B., Bacteriologist.
Harry Peach Corson, B.S., Chemist.
Ralph Hilscher, B.S., Assistant Engineer.
Walter G. Stromquist, A.B., B.S., Assistant Engineer.
Frank C. Gephart, A.B., Chemist.
THE STATE GEOLOGICAL SURVEY.

COMMISSION.

Governor Charles S. Deneen, Chairman.
Professor T. C. Chamberlin, Vice Chairman.
President Edmund Janes James, Secretary.

STAFF.

Frank Waibridge DeWolf, Director, Urbana.
Edward Bartow, Consulting Chemist in Water Analysis, University of Illinois, Urbana.
Ulysses S. Grant, Consulting Geologist in Lead and Zinc Studies, Northwestern University, Evanston.
Albert Victor Bleininger, Consulting Ceramist, University of Illinois, Urbana.
Rollin D. Salisbury, Consulting Geologist in Preparation of Educational Series, University of Chicago, Chicago.
Fred Hall Kay, Assistant State Geologist, Urbana.
J. A. Udden, Geologist, Augustana College, Rock Island.
Thomas Edmund Savage, Geologist, University of Illinois, Urbana.
Stuart Weller, Geologist, University of Chicago, Chicago.
Gilbert H. Cady, Assistant Geologist, Urbana.
Raymond Silliman Blatchley, Assistant Geologist, Urbana.
E. Wesley Shaw, Assistant Geologist in Co-operative Surveys, Urbana, Ill., and Washington, D. C.
Justa M. Lindgren, A.M., Chemist, Urbana.
Mrs. C. S. Hyatt, Chief Clerk, Urbana.

THE BOARD OF EXAMINERS IN ACCOUNTANCY.

Edmund Janes James, Ph.D., LL.D., President.

BOARD OF EXAMINERS.

Silas H. Strawn, Esq., Chicago.
John Alexander Cooper, C.P.A., Chicago.

UNIVERSITY COMMITTEE.

David Kinley, Chairman.
M. H. Robinson, Secretary.
Charles Maxwell McConn.
### SUMMARY OF STUDENTS.

1910-1911—Continued.

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CO-OPERATIVE INVESTIGATION OF ILLINOIS COAL PROBLEMS AND MINE RESCUE STATION.

Edmund Janes James, Ph.D., LL.D., President.

STAFF.

COLLEGE OF ENGINEERING.

William Freeman Myrick Goss, M.S., D.Eng., Dean.
Harry Harkness Stoek, B.S., E.M., Professor of Mining Engineering.
———, Mining Engineer.

STATE GEOLOGICAL SURVEY.

Frank Walbridge DeWolf, B.S., Director, State Geological Survey.
Samuel W. Parr, M.S., Consulting Chemist.
Fred Hall Kay, B.S., Assistant State Geologist.
Justa M. Lindgren, A.M., Chemist.
Special Geologists and Field Samplers.

UNITED STATES BUREAU OF MINES.

James M. Webb, Foreman, Urbana Mine Rescue Station.
John J. Rutledge, E.M., Ph.D., Mining Engineer, Studying the Use of Explosives.
Louis A. Scholl, B.S., Chemist, Studying the Explosibility of Coal Dust.
## SUMMARY OF

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Total Undergraduates at Urbana: 406 Men, 112 Women, 518 Total
### STUDENTS—1910-1911.

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