

Denison University

Annual Catalogue

1916-1917

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Cincinnati, Ohio

March, 1917



Denison University

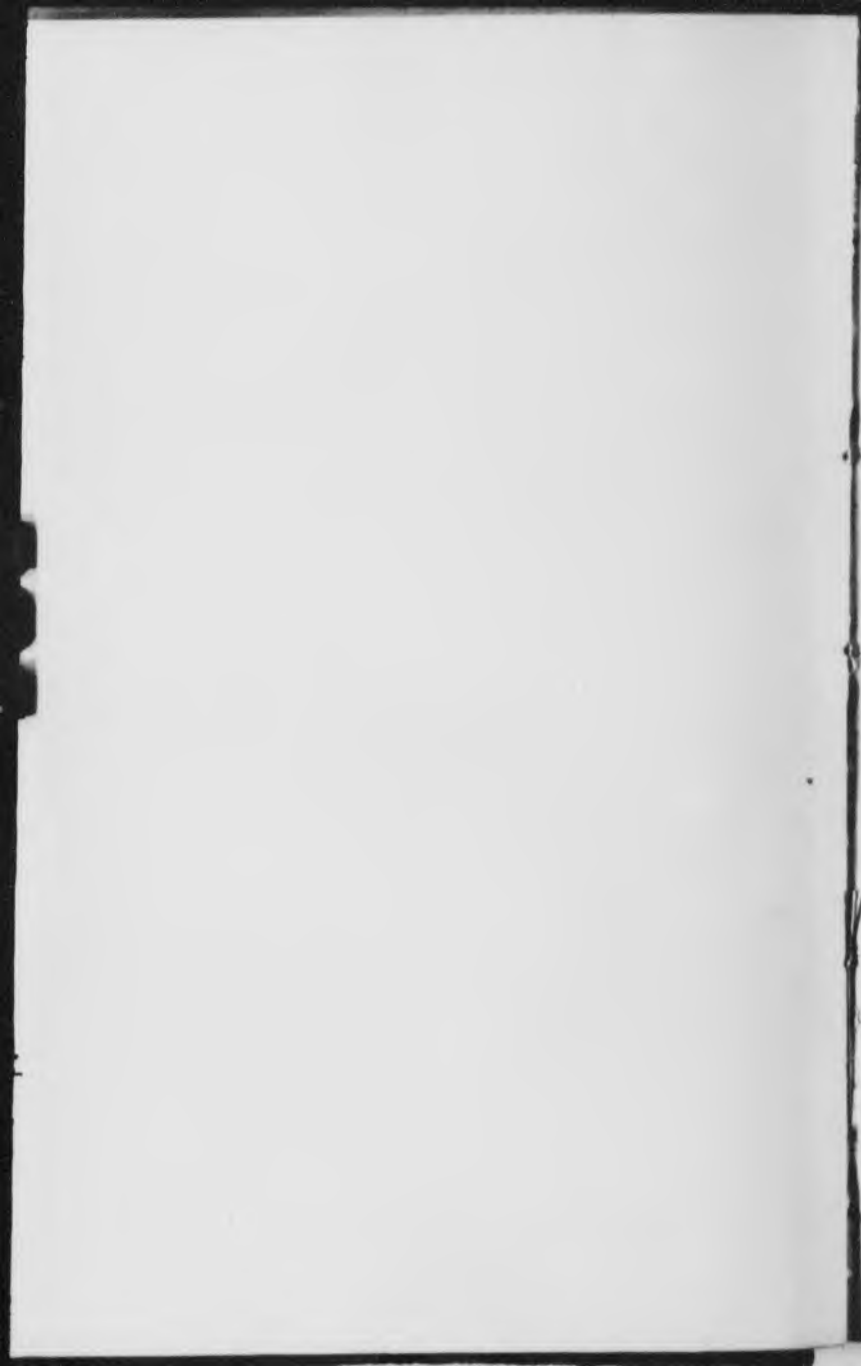
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Granville, Ohio

March, 1911



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The Eightieth

Annual Catalogue

of

Denison University
For the Year 1910-1911

GRANVILLE, OHIO

1911

DENISON UNIVERSITY
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PUBLISHED BY THE
UNIVERSITY OF DENISON
AT GRANVILLE, OHIO

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DEPARTMENTS
OF
DENISON UNIVERSITY

Denison University Comprises Five Departments

- I. Granville College,
- II. Shepardson College,
- III. Doane Academy,
- IV. The Conservatory of Music,
- V. The School of Art.

For Catalogue or other information
Address EMORY W. HUNT, D. D., LL. D., President,
GRANVILLE, OHIO

The University Calendar

1911

February	7 Tuesday	Second Semester begins, 9 A. M.
March	30 Thursday	Spring Recess begins, 4:30 P. M.
April	6 Thursday	Spring Recess ends, 7:40 A. M.
June	4 Sunday	Baccalaureate Sermon and Sermon before Christian Associations.
June	5 Monday	Field Day. Commencement Concert, 8 P. M.
June	6 Tuesday	Graduating Exercises of Doane Academy, 10 A. M. Lewis Literary Prize Contest, 8 P. M.
June	7 Wednesday	Class Day Exercises, 10 A. M. Alumni Meeting, 2 P. M. President's Reception, 8 P. M.
June	8 Thursday	University Commencement at 10 A. M. Alumni Dinner, 1 P. M.

The University Commencement of 1911 was set one week earlier than usual to avoid conflict with the meetings of the Northern Baptist Convention, the President of the University being also President of the Convention.

Summer Vacation, June 8 to September 14

September	13 Wednesday	Examinations for Admission.
September	14 Thursday	First Semester begins, 9 A. M.
November	29 Wednesday	Thanksgiving Recess begins, at noon
December	4 Monday	Thanksgiving Recess ends, at noon
December	30 Wednesday	Holiday Recess begins, at 4:30 P. M.
1912		
January	4 Thursday	Holiday Recess ends, 7:40 A. M.
January	25 Thursday	Day of Prayer for Colleges.
Jan. 26—Feb.	1 Mon-Thurs	Mid-year Examinations.
February	8 Tuesday	Second Semester begins, 9 A. M.
March	28 Thursday	Spring Recess begins, 4:30 P. M.
April	4 Thursday	Spring Recess ends, 7:40 A. M.
June	14 Thursday	Commencement.

Board of Trustees

OFFICERS OF THE BOARD.

- REV. H. F. COLBY, D. D., President.
G. M. PETERS, ESQ., Vice President.
J. R. DAVIES, ESQ., Secretary.
E. E. HOPKINS, ESQ., Treasurer.
-

Members

Ex-Officio.

EMORY W. HUNT, D. D.....Granville.

CLASS I.—Term Expires in 1911.

H. A. SHERWIN, ESQ.Cleveland.
F. P. BEAVER, ESQ.....Dayton.
W. D. CHAMBERLIN, ESQ.....Dayton.
REV. G. E. LEONARD, D. D.....Norwalk.
E. M. DOWNER, ESQ.....Granville.
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REV. C. J. ROSE.....Granville.
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D. E. WILLIAMS, ESQ.....Columbus.

CLASS II.—Term Expires in 1912.

E. J. BARNEY, ESQ.....Dayton.
S. F. VAN VOORHIS, ESQ.....Newark.

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J. R. DAVIES, Esq.	Newark.
VINTON R. SHEPARD, Esq.	Cincinnati.
E. M. THRESHER, Esq.	Dayton.
B. F. McCANN, Esq.	Dayton.
DAVID ZOLLARS, Esq.	Canton.
AMBROSE SWASEY, Sc. D.	Cleveland.
REV. H. F. STILWELL, D. D.	Cleveland.
J. M. SWARTZ, Esq.	Granville.
J. R. SPENCER, M. D.	Cincinnati.

CLASS III.—*Term Expires in 1913.*

REV. C. J. BALDWIN, D. D.	Granville.
C. T. LEWIS, Esq.	Toledo.
W. H. DIANE, Mus. D.	Cincinnati.
E. CANBY, Esq.	Dayton.
REV. H. F. COLBY, D. D.	Dayton.
G. M. PETERS, Esq.	Cincinnati.
REV. M. BRELSTORD.	Cleveland.
HARVEY KEELER, Esq.	Cleveland.
J. M. AMOS, Esq.	Cambridge.
J. G. LAMSON, Esq.	Toledo.
REV. A. S. CARMAN, D. D.	Marietta.
C. H. PRESCOTT, JR., Esq.	Cleveland.

Committees

EXECUTIVE COMMITTEE.

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J. R. DAVIES,	BURTON CASE,
B. F. McCANN,	C. J. ROSE,
E. E. HOPKINS,	D. M. SHEPARDSON,
BUNYAN SPENCER,	J. M. SWARTZ.

FINANCE COMMITTEE.

B. F. McCANN, <i>Chairman</i>	Term expires 1912
E. J. BARNEY	Term expires 1911
W. H. DOANE	Term expires 1913
F. P. BEAVER	Term expires 1914
E. CANBY	Term expires 1915

FINANCE EXAMINING COMMITTEE.

E. M. THRESHER,	W. D. CHAMBERLIN.
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AUDITORS.

J. L. GILPATRICK,	W. H. JOHNSON.
-------------------	----------------

LIBRARY COMMITTEE.

W. H. CATHCART, *Chairman*.

E. W. HUNT,	C. J. ROSE,
W. H. JOHNSON,	O. C. HOOPER.

COMMITTEE ON INSTRUCTION.

E. M. THRESHER, *Chairman*.

W. H. CATHCART,	J. M. AMOS,
H. F. STILWELL,	V. R. SHEPARD,
C. T. LEWIS,	H. F. COLBY.

Faculty of Instruction and Other Officers

*THE UNIVERSITY FACULTY.

EMORY W. HUNT, D. D., LL. D., *President.*

Maria Theresa Barney Professor of Intellectual and Moral Philosophy.
Residence, President's House, College Hill

JOHN L. GILPATRICK, A. M., PH. D.,

Benjamin Barney Professor of Mathematics.

Prospect Hill

RICHARD S. COWELL, D. D.,

Professor of the Greek Language and Literature.

Prospect Hill

GEORGE F. MCKIBBEN, PH. D.,

Professor of Romance Languages.

Elm St., near Plum

CHARLES L. WILLIAMS, A. M.,

Professor of Rhetoric and English Literature.

West Elm St.

WILLIAM H. JOHNSON, A. M.,

Ellam E. Barney Professor of the Latin Language and Literature.

Burgh St.

H. RHODES HUNDLEY, A. M., D. SC.,

Dean of Doane Academy, with rank of Professor in University Faculty.
College Hill

WILLIS A. CHAMBERLIN, PH. D.,

Professor of the German Language and Literature.

Plum St. and Park Drive

CHARLES E. GODELL, A. M.,

Professor of History and Political Science.

West Maple St.

*The term "University Faculty," as used in this catalogue, includes all persons giving instruction in the various departments of the University; the department faculties include in each case all persons giving instruction in the department in question.

FRANK CARNEY, PH. D.,
Professor of Geology and Mineralogy.

Burgh St.

ARTHUR M. BRUMBACK, A. M.,
Professor of Chemistry.

Shepardson Court

GEORGE E. COGHILL, PH. D.,
Professor of Zoology.

Park Drive

ELLIS E. LAWTON, PH. D.,
Professor of Physics.

Park Drive

MALCOLM E. STICKNEY, A. M.,
Professor of Botany.

Talbot Hall

ANNA B. PECKHAM, A. M.,
Associate Professor of Mathematics.

Stone Hall

THEODORE S. JOHNSON, M. S.,
Acting Professor of Civil Engineering.

East Elm St.

CLARENCE D. COONS, M. S.,
Assistant Professor of Physics.

Mulberry St.

RAYMOND W. PENCE, A. M.,
Assistant Professor of English.

South Pearl St.

BLANCHE G. LOVERIDGE, PH. B.,
Dean of Shepardson College: Pedagogy and History of Art.

Burton Hall

BUNYAN SPENCER, A. M., B. D.,
Associate in Philosophy and Instructor in Greek.
East College and Prospect Sts.

CARL PAIGE WOOD, A. M.,
Director of Conservatory of Music; Instructor in Musical Theory.
Talbot Hall

LAURA B. PARSONS,
Director of School of Art.

King Hall

DENISON UNIVERSITY

FANNIE J. FARRAR,
Head of Piano Department.

Thresher Hall

EDITH COX, A. B.,
Head of Voice Department.

West Broadway

CORNELIA A. MONTDOMERY, A. B.,
Instructor in English.

Stone Hall

CARRIE M. HOWLAND,
Instructor in China Painting.
Cor. Broadway and Mulberry Sts.

CLARA A. DAVIES, M. S.,
Instructor in Science.

Stone Hall

ELIZABETH M. BENEDICT,
Instructor in Organ and Piano.

Thresher Hall

AUGUST OBERRECHT, A. M.,
Instructor in Modern Languages.

Burgh St.

CHARLES IVES FREEMAN,
Director of Physical Training.

North Pearl St.

VICTOR H. HOFFE, A. B.,
Instructor in Public Speaking.

East Elm St.

NELL CHASE, A. B.,
Physical Training.

Burton Hall

MARGARET JEAN CALVIN, A. B.,
Instructor in Latin.

King Hall

SAMUEL G. BRIDGES, A. B.,
Instructor in Latin.

East Elm St.

ORLEY H. SEE,
Instructor in Violin.

South Prospect St.

FORBES B. WILEY, A. B., Instructor in Mathematics.	Burgh St.
HELEN K. HUNT, B. PH., Instructor in Mathematics.	College Hill
BERTHA E. STEVENS, Assistant in Piano.	Thresher Hall
INEZ WINDERS, Assistant in Voice.	Thresher Hall
ELSOR HEATER, B. PH., Assistant in History.	Marsh Hall
RUTH ORCUTT, B. PH., Assistant in Botany.	Plum St.
MARY L. MCKIBBEN, B. PH., Assistant in French.	West Elm St.
FRANCES COUP PYLE, Violin.	
SARAH H. SEYMOUR, Arts and Crafts.	Plum St.
JANE ALICE IRWIN, Instructor in Domestic Science.	

Officers of Administration

THE UNIVERSITY SENATE.

EMORY W. HUNT, D. D., LL. D.,
President of the University.

J. L. GILPATRICK, PH. D.,
Dean of Granville College.

R. S. COLWELL, D. D.,
Registrar of the University.

DENISON UNIVERSITY

H. R. HUNBLEY, D. SC.,
Dean of Doane Academy.

BLANCHIE G. LOVERIDGE, PH. B.,
Dean of Sheparison College.

OTHER OFFICERS.

R. S. COLWELL, D. D.,
Registrar

(Office, room 2, Doane Academy)

ELMER E. HOPKINS, A. B.,
Treasurer, Curator and Business Manager,
(Office in room 5, Doane Academy)

MRS. KATE S. HUNER, A. M.,
Librarian.

(Office in Doane Hall)

MRS. ALICE K. HERRICK,
Matron of Sheparison College
(Office at residence on Burgh St.)

MRS. LAURA A. SWARTZ,
Director of Dining Hall.

MARY H. HUNT, A. B.,
Assistant to Treasurer.

FRED E. WOLF,
Secretary to the President.

KATHARINE COURTNEY,
Secretary to Dean of Sheparison College.

Denison University

General Information

LOCATION.

Granville, the home of Denison University, is situated in Licking County, near the geographical center of Ohio. It lies among the moderately elevated and partly wooded hills which mark the transition from the more level portion of the State to the more diversified surface of the southeastern section, conditions of natural environment admirably suited to the spirit and purpose of college life. The community is of New England origin, and similar to the traditional New England village in the high estimate which it places upon intellectual, moral and religious forces. It has long been free from saloons.

Granville is on the Toledo and Ohio Central Railway, and by electric car to Newark, six miles distant, has access to the Pennsylvania System, the Baltimore and Ohio, and all connecting lines. It has electric car connections with Zanesville, Columbus, Springfield, Dayton and various other points, and is provided with local and long distance telephone service.

BUILDINGS.

Among the buildings occupied by the various departments of the University the following may be mentioned:

Men's Dormitories.

Marsh Hall, erected in 1856, and Talbot Hall, completed fifteen years later, furnish together dormitory accommodations for about one hundred and fifty students. Both are brick buildings, four stories high. Lavatories with shower baths and hot and cold water are accessible to each dormitory room, on the

same floor. The rooms are provided with a white iron bedstead and mattress for each student, dresser, lounge, book-case, study table and chairs. They are lighted by electricity and heated by hot water, from the central plant. Talbot Hall, in addition to its dormitory rooms, contains class-rooms for the departments of History, Latin, German, Romance Languages, Mathematics, Botany and Zoology.

Women's Dormitories.

There are three buildings erected as dormitories for young women, Burton Hall, King Hall, and Stone Hall. These edifices are all well lighted and cheery in appearance, homelike and restful in their general effect, and complete in their appointments. They are all provided with electric lights, heated by hot water radiators, and supplied with hot and cold water for the lavatories from the central heating and lighting plant. Together they furnish rooms for about one hundred and twenty young women, aside from reception rooms, reading rooms, several class-rooms, offices, and apartments for members of the faculty of Shepardson College. These halls, as in the case of the dormitories for young men, are named in commemoration of individuals or families intimately connected with the management and growth of the institution in its earlier days. Easily accessible to the dormitories is the Shepardson Dining Hall, a bright, spacious and well equipped room in which students and teachers living on the Shepardson College grounds take their meals.

The Library Building.

Doane Hall, a building of brick and stone, was erected for the library of the University in 1878, by Dr. W. Howard Doane, a member of the Board of Trustees. Its shelves contain the general library, comprising over thirty thousand bound and unbound volumes, in addition to which several departments maintain special libraries, housed in immediate proximity to their lecture rooms and laboratories.

Barney Memorial Hall.

This building is the gift of E. J. Barney, Esq., erected in memory of his father. It is of fire-proof construction through-

out, and built with the most careful attention to the needs of the work for which it is intended. It is devoted to the departments of Physics, Geology, and Civil Engineering, and provided with fine equipment, a description of which will be found under the heading of "Scientific Equipment," a few pages further on.

Doane Academy.

This building, in addition to the Principal's office, the lecture rooms and society halls of the Academy, for which it is especially designed, contains the offices of the President, Registrar and Treasurer, the President's lecture room, the lecture rooms of the Departments of English and Greek, and the University Chapel. It is of Oakland pressed brick and Amherst stone, and is three stories high above the basement. It was presented to the University by Dr. W. Howard Doane. For the present, the spacious basement of this building has been fitted up to serve as temporary quarters for the department of Chemistry.

Conservatory Buildings.

The main building of the Conservatory of Music was presented by Professor Almon U. Thresher and Mrs. Thresher. It is located on Cherry Street, opposite the grounds of Shepardson College, and contains rooms for instruction and practice, with apartments for members of the faculty of the Conservatory. Adjacent to it is Recital Hall, a well equipped building for chorus practice and public musical entertainments. It is provided with opera chairs and has a raised floor, so as to give all spectators an unbroken view of the stage. The building is furnished with Steinway concert grand and parlor grand pianos and a pipe organ, the gift of Dr. Doane.

Cleveland Hall and the Doane Gymnasium.

Cleveland Hall is the home of the Young Men's Christian Association, the Gymnasium for young men, and the College Literary Societies. The main gymnasium floor, with gallery and running track, occupying the east end of the building, is called the Swasey Gymnasium, in recognition of the generosity of Mr. Ambrose Swasey, of Cleveland. For the same reason the

Assembly room of the Young Men's Christian Association, in the west end of the building, is designated as Sherwin Hall, in honor of Mr. H. A. Sherwin, of Cleveland. Adjoining the main gymnasium floor is a spacious locker room, leading at the other end to the swimming pool and lavatories. On the second floor is a large reading room, provided with a well selected list of current magazines and newspapers, open to all young men of the University. The third floor is divided into two large halls occupied by the Calhoun and Franklin literary societies. There are also committee rooms, and offices for the Director of Physical Training. The systematic physical training which the facilities of this building render possible, under the supervision of a competent Physical Director, forms a very important factor in maintaining the health and vigor of the student body, and consequently in improving the standard of scholastic work.

The Doane Gymnasium was erected by Dr. Doane in order to furnish similar facilities for the physical health and development of the young women of Shepley College. It contains ample floor space for all healthful forms of indoor exercise, a good running track, a swimming pool, and such other appliances as experience shows to be valuable in maintaining robust physical health in young ladies engaged in study. That the best results may be secured from these appliances, the use of the gymnasium is under the constant supervision of a competent director.

The Swasey Observatory.

The Astronomical Observatory, built and fully equipped by Ambrose Swasey, Esq., is the latest addition to the scientific resources of the University. Erected of white Vermont marble it constitutes a highly attractive feature of College Hill. In its construction and equipment, down to the smallest detail, Mr. Swasey spared no pains or expense to bring everything into accordance with the most modern ideas of astronomical work. It has a telescope of approved size and form for use in astronomical instruction, two Munich clocks, chronograph, transit, and other apparatus necessary to its purpose. Together

with the building Mr. Swasey presented a complete file of the Proceedings of the Royal Astronomical Society of London, which is now very rare and difficult to procure.

The Heating and Lighting Plant.

All the University buildings are heated and lighted from the central station, which is divided into two parts, the boiler room, just to the east of the Young Men's Christian Association building, on a somewhat lower level, and the machinery room, beneath the eastern end of that building. The boiler room is supplied with three horizontal-tubular boilers, of the Atlas make, with room for a fourth when needed. Coal, gas, or both simultaneously may be used as fuel. Auxiliary to the boilers are two Stilwell-Bierce and Smith-Vaile duplex boiler-feed pumps, used either to supply the boilers or to distribute hot water to the various buildings. The water for the latter purpose is supplied from a heater mounted over one of the large boilers. Two Laidlaw-Dunn-Gordon duplex pumps circulate water for heating purposes throughout the buildings of the University, and also the Baptist Church building. There are also condensers for use of the exhaust steam from the engines, or of live steam when the engines are not in motion. The plant now carries 44,000 feet of radiation, and has capacity for greater service as the growth of the University requires it. The lighting apparatus consists of one 45 Kilo-Watt Thresher generator, direct-connected to a 60 horse power Ball engine, and one 75 Kilo-Watt Thresher generator direct-connected to a Russell engine of 110 horse power. The latter has a capacity of 1200 lights, the former 720. These supply light to all the University buildings, and electric current to the laboratories for experimental purposes.

SCIENTIFIC EQUIPMENT.

Physics.—The Department of Physics occupies the first and second floors of Barney Memorial Hall, and displays in its thirty-one rooms the most modern details of laboratory construction. These include offices of administration, library, lecture and recitation rooms, general and research laboratories,

photometric and photographic dark rooms, instrument and preparation rooms, fire-proof vault, constant temperature vault, chemical kitchen and mechanician's shop. The laboratories are supplied with natural gas, air under pressure, vacuum, hot and cold water, soft water, time service, electrical distribution from storage battery and alternating or direct current generators. A full complement of modern apparatus is available for lecture demonstrations and student work in course, while special facilities are provided for thesis and research work. As part of this equipment may be mentioned the standard hydrogen thermometer, observatory barometer, analytical balances, Societe Genevoise dividing engine, standard voltmeters, Clark and Weston standard cells, Carey-Foster bridge, Kelvin low-resistance bridge, potentiometer, standard of self-induction, with sechometer and high frequency apparatus, single and polyphase generators, synchronous and induction motors, Fresnel bi-prism, Rowland grating, Lummer-Brodhun photometer, Nicol prisms, Michelson interferometer, and a complete set of the Chamberlain compound interferometers.

Geology.—The Department of Geology occupies the entire third floor of Barney Memorial Hall. The main lecture room, in the east end, is equipped with stereopticon and permanent screen for the use of slides, the collection of which numbers between three and four thousand. This room also contains relief maps and roll maps, for the illustration of lecture work, and over two hundred drawers of specimens for the elementary study of minerals. The corresponding room in the west wing is used for laboratory work in Physiography and Geography. It is well supplied with tables, maps, minerals, etc., and contains a specially designed case of one hundred and forty drawers for the filing of topographic maps. The main room on the north side is used for mineralogical work. Its desks are supplied with gas, and compressed air for blow-pipe work. Several sets of natural and artificial crystals are kept in this room, together with rocks and minerals for experimentation. Microscopes and other necessary instruments are provided. Adjoining this room

is the administrative office of the department. The main room on the south side contains the Gilbert Geological Library, presented by the eminent geologist, Dr. G. K. Gilbert, of the United States Geological Survey, in recognition of the valuable work which has been done by the Geological Department of Denison. The room is also provided with a large number of current Geological and Geographical periodicals, English, French and German. There is a work-shop and a dark-room for photographic work. The shop contains a specially designed table for mounting maps on cloth. The equipment for geological photography is especially complete and efficient, and the high quality of the slides made here has attracted marked attention.

Civil Engineering.—The Department of Engineering is equipped with the facilities necessary to a thorough course in the subject. Its rooms comprise the fourth and fifth floors of Barney Memorial Hall. The equipment for field work includes transits, solar attachments, levels, plane tables, compasses, leveling and topography rods of all patterns, together with all the smaller implements, such as tapes, pins and range poles. As an aid in class-room work the department has gathered a well selected supply of shop drawings of railway and highway bridges, roof trusses, culverts, and other kinds of construction work. There are also many drawings and specifications for sewers, water systems and other municipal works. From the Highway Commissions of various States the department has secured plans and specifications for every form of modern highway construction. The cement testing laboratory is equipped with a Fairbanks testing machine, with complete outfit for illustrating all the commercial tests of cements, and "Miracle" building block and tile machines. The drafting rooms occupy the top floors of the central division, and of both wings of Barney Hall, are well lighted by large skylights, and furnished with all requirements for a thorough course in drafting. There are facilities for making blue-prints and white-prints, three dark-rooms being available for this purpose. The department library and reading room is supplied with the best current technical

periodicals and a carefully selected list of important books on all branches of engineering work. There is also a large collection of lantern slides for illustrative purposes.

Chemistry.—The Chemical Laboratories occupy the whole basement floor of the Doane Academy building. There are nine rooms, forming three laboratories, store rooms, balance room, lecture room and office, where is located a chemical library. The laboratories are furnished with natural gas and water at all the desks. A large still supplies distilled water.

The equipment is ample for the needs of the courses. One store room is well stocked with glass, wood, iron, and porcelain ware, issued to the students in quantities amply sufficient for the demands of the best work. The other store room is stocked with chemicals. The equipment and supplies are selected with special reference to the aim of the course, which is to give a broad theoretical basis. The first three years of the work are devoted entirely to this end. Only students who acquire such a foundation are invited to continue work in chemistry. For all who are ready for advanced work the laboratories offer excellent means for entering upon special and technical subjects. Those who are interested in medicine, pharmacy, industrial chemistry, mining, chemical engineering and other allied branches will find in the laboratories abundant opportunity for securing preparatory training.

Zoology and Botany.—The departments of Botany and Zoology occupy temporary quarters in Talbot Hall, where lecture rooms and laboratories for the various classes in general biology, morphology and histology have been provided. The lecture rooms are equipped with projecting apparatus for lantern slides, microscopic preparations and opaque objects, Leuckart zoological and Borntrager botanical charts, Ziegler and Auzoux models, and other illustrative materials. The laboratories are furnished with individual desks with ample locker space.

The University Herbarium embraces representative collections from all parts of the United States and Mexico, and is especially full of local flora, affording valuable equipment for

classes in systematic botany. A number of the leading botanical and zoological journals in English, French and German are accessible to students. The library of the Scientific Association receives in exchange for the *Bulletin of the Scientific Laboratories* the Proceedings and Transactions of many learned societies at home and abroad, together with the scientific publications of the various States and of the United States Government. This library, located in Barney Memorial Hall, is open for consultation every working day of the college year.

LIBRARY PRIVILEGES.

The University Library is open to the Faculties and students of all departments. Its contents are classified according to the Dewey System. In addition to the general library, various special collections of books, periodicals, transactions of societies, etc., are maintained by the different departments. The Marsh Memorial Library, in King Hall, founded by Dr. and Mrs. Shepardson in memory of their daughter, Mrs. Lide Shepardson Marsh, furnishes a valuable collection of books for missionary and Bible study. A special collection of works on music is maintained in the Conservatory building, and in Burton Hall is an excellent library of literature bearing on the history and criticism of the Fine Arts.

SCIENTIFIC PUBLICATIONS.

The "Bulletin of the Scientific Laboratories," published under the auspices of the "Denison Scientific Association," affords an opportunity for the publication of original work by students and instructors in the several departments.

Among the contents of the fifteen volumes of this Bulletin have been many of the important geological and biological studies of the late C. L. Herrick; various studies in physics, by Professor A. D. Cole; studies in the pre-glacial Drainage of Ohio, by Professor W. G. Tight; a series of papers on the Clinton Group in Ohio, by August F. Foerste; studies in the nerve system of fishes, by Professor C. J. Herrick; a catalogue of the Phanerogams and Ferns of Licking County, by Herbert L.

Jones; the Birds of Licking County, by Irving A. Field; papers on various phases of the Geology of Licking County, by C. L. Herrick, W. G. Tight, Professor Frank Carney and others; studies in New Mexico Geology, by C. L. Herrick and Douglas W. Johnson, and a number of Professor Thomas Leonard Watson's researches in the various ore-deposits of Virginia, Georgia and North Carolina.

THE DENISON SCIENTIFIC ASSOCIATION.

This society aims, in the words of its constitution:

(a) To afford opportunity for the interchange of ideas by those interested in the various sciences.

(b) To collect, record, and disseminate information bearing on the sciences.

(c) To stimulate interest in local natural history and to preserve notes and specimens illustrating the same.

It has been the means of much good in arousing a desire for original scientific investigation, and the interest in its work is constantly increasing.

For information concerning the Bulletin of the Scientific Laboratories, published under the auspices of this association, address the Permanent Secretary, Professor Frank Carney.

THE ENGINEERING SOCIETY.

The Engineering Society is an organization composed of instructors and students who meet to read and discuss papers of technical interest, and make reports on engineering structures and other subjects relative to the work of the department of Civil Engineering. A reading room and library are maintained, accessible to all students in the department, where the leading Engineering periodicals may be consulted. An effort is made to develop the habit of constant study of Engineering literature, together with an appreciation of its value to the engineer.

GEOLOGICAL SOCIETY.

The C. L. Herrick Geological Society was founded in 1907, "to foster a spirit of inquiry, to stimulate an interest in Geolog-

ical studies independent of class work, and to emphasize the pleasures to be found by the pursuit of knowledge in nature." A monthly programme is given throughout the school year, so arranged that each member appears before the Society each semester. The number of active members is limited to twenty.

THE CHEMICAL SOCIETY.

The Denison Chemical Society is open to all interested in any way in the chemical sciences. Its object is to foster a spirit of inquiry as to the progress and applications of chemistry. Meetings are held on the first Wednesday evening of each month.

THE DENISON LANGUAGE ASSOCIATION.

This association was organized to stimulate interest in language study and unify the work of the various language departments of the University. Both instructors and students are admitted to membership and take part in its proceedings, and men prominent in educational or literary work elsewhere are occasionally secured to present papers or addresses under its auspices.

LITERARY SOCIETIES.

There are seven literary societies maintained in the different departments of the University,—the Calliopean, and Franklin, open to all young men in Granville College classes; the Euterpean, and Philomathean, for young women in Shepardson College classes; the Ciceronian, and Irving, of Doane Academy; the Adelpian, of Shepardson Preparatory School. These all maintain regular weekly meetings and are of great value to the literary and social life of the students.

THE DENISON ORATORICAL ASSOCIATION.

The aim of this organization is to promote interest in public speaking. Under its auspices a local contest is held each year to determine who shall be the representative of the college at the Inter-Collegiate Oratorical Contest. Occasional contests in debate with other colleges have also been arranged.

ATHLETIC ASSOCIATIONS.

The Denison Athletic Association looks after the work in the gymnasium and provides other forms of physical training, at once interesting and profitable to the student. The payment of an annual athletic fee, assessed by the University, constitutes each male student a member of this association, entitled to all its privileges and to a vote in its management. The association possesses a fine athletic field, presented by F. P. Beaver, Esq., of Dayton. A similar association has been organized by the young women of the University, called the Shepardson Athletic Association.

MORAL AND RELIGIOUS INFLUENCES.

Vigorous branches of both the Young Men's Christian Association and the Young Women's Christian Association are maintained in the University. These organizations maintain regular classes in systematic Bible Study, the Young Men's Association offering a four years' course comprising the Life of Christ, the Apostolic Age, Old Testament Biography, and New Testament Doctrines. Students taking this course receive certificates upon successful examination at the end of each year, and at the end of the course a diploma, under the auspices of the International Committee of the Young Men's Christian Association, Bible Study Department. Every phase of school life is represented in the membership of these organizations, and the zeal shown in the work is earnest and unremitting.

The entire life and administration of the University, while avoiding sectarianism, is positively and emphatically in favor of the Christian religion. Each day the University assembles in the Chapel for prayers, and this service the students in all departments are required to attend, unless excused for satisfactory reasons. They are also expected to attend morning and evening church services each Sunday, full liberty being allowed to conscientious denominational preferences in selecting a place of worship. Students are welcomed in the various Sunday Schools of the village, and in the Baptist Sunday School there are several

classes taught by University instructors and intended expressly for students.

AIM.

The University has long enjoyed an honorable reputation for thoroughness, and other excellencies of mental discipline, and to maintain and advance this reputation, as far as possible, is the constant aim of Trustees and Faculty. Every possible resource will be employed to develop young men and young women in the most successful manner, physically, intellectually, and morally.

DIVISION OF THE SCHOOL YEAR.

The scholastic year, exclusive of the short winter and spring recesses, is divided into two semesters of eighteen weeks each. The Christmas and Easter vacations are continued, as under the former three term system, but new students desiring to enter for the latter part of the year will present themselves not at the close of one of these vacations, but at the opening of the second semester. (See Calendar, page 4.)

REGULARITY AND PUNCTUALITY.

Each semester opens with the Chapel service, on the morning of the day scheduled in the University calendar. Punctuality at the beginning of the session is especially desired, as losses incurred by beginning behind one's classes can never be fully repaired. Although students will be admitted at any time, it is highly desirable that they begin their studies with the Fall semester. If the attendance is expected to be for but one semester, that is the best; if for longer, the regularity secured by beginning with the opening of the school year, in September, adds greatly to the profit of the study.

Without special permission to do otherwise, each student is expected to take not less than thirteen nor more than eighteen hours of work in the class-room per week.

Careful records are kept by the University officers, from which each student's character for punctuality as well as for attainments in his studies can at any time be ascertained. This information will be furnished to parents or guardians at the end

of each semester, and at any other time, on application to the President.

CHAPEL ATTENDANCE.

Students prevented by any valid reason from regular attendance at the daily Chapel exercises must present in advance their reasons for seeking exemption from this requirement and have the same approved by the proper authority. For young men in college classes, this matter is in the hands of the Dean of Granville College, Professor J. L. Gilpatrick; for young men in academy classes, the Dean of Doane Academy, Dr. H. R. Hundley; for young women, the Dean of Shepardson College, Miss Loveridge.

CLASS STANDING.

Each instructor keeps a constant record of the work of each pupil, and reports the same to the Registrar at the close of the semester. In the college classes the standing is indicated as follows: Students making a passing grade in any study are divided into four groups, designated by the letters A, B, C, and D, respectively. The letter A opposite a student's name indicates that his work for the semester, including examination, has been *excellent*; B, that it has been *good*; C, *fair*, and D, *poor*. The letter E indicates that the work has been too poor to receive credit until some condition, imposed by the instructor, has been fulfilled. F indicates a complete failure.

Students marked E must remove the imposed condition previous to the beginning of the second semester thereafter, in order to get credit for the study in question. Students marked F in any study necessary to the completion of their course must take such study over again in class, or if that is impossible, in such way as the Faculty shall direct.

Beginning with the class to be graduated in 1913, no degree will be granted to any student whose standing shall not have been B or above for at least half the number of credit hours required for his course, nor in any single semester will more than

twelve credit hours graded as low as D be counted on requirements for graduation.

EXAMINATIONS.

A careful examination of every class is held at the close of each semester. All students, whether candidates for degrees or not, must attend all examinations in the studies which they pursue. No student whose examination in any study is reported "incomplete" will receive credit for that study until the examination has been completed, and this must be done within one year from the date of the original examination.

SPECIAL STUDY FOR HONORS.

Any regularly classified student who has maintained an A rank in not less than half his work during two successive semesters of the freshman and sophomore years, and has not fallen below a passing grade in any single study, may, with the consent of the faculty, be enrolled as a student for Honors in some selected department of study. Application for such enrollment shall be made prior to the first of April of the Junior year. If the application be granted, the Professor in charge of the department selected shall assign work to the applicant substantially equal in amount to a three-hour study for one college year.

The student shall be examined on this work prior to the first of May of the Senior year. The examination shall be conducted under the direction of the Professor in charge, assisted by some other member of the faculty to be appointed by the President, and in addition to the special assignment it shall cover in a general way all other work which the applicant has taken in the same department. If creditably passed it shall entitle the applicant to have his name placed upon the records of the University as having won Honors in this department, and the fact shall be announced on Commencement day and published in the annual catalogue.

During the interval between enrollment for Honors and examination, the student must maintain an A rank in all work done in the department to which his special study shall belong,

and must not fall below B in any other department. He must also maintain an unblemished record in department.

Work done for Honors must not be elementary in its character, and in no case shall it be the only work done in the department in which it is taken. Advanced elective courses already offered may be utilized as Honor courses, or special topics may be assigned to suit individual cases; but in no case shall work upon which Honors are bestowed be counted as any part of the student's requirements for his baccalaureate degree.

PRIZES.

1. *The Lewis Literary Prize Contest.* Charles T. Lewis, Esq., of Toledo, offers to the Franklin and Calliopean Literary Societies the following prizes, to be obtained by literary contests during Commencement week: Forty dollars to the best debater, thirty dollars to the best orator, twenty dollars to the best essayist, and ten dollars to the best declaimer.

2. *The Samson Talbot Prize Reading.* This prize foundation is for the best reading of Scripture and is open to Seniors and Juniors. The prizes are \$40 and \$20, respectively.

3. *Senior English Prizes.* To the young lady who shall prepare and read the best essay in the Senior Exhibitions, \$10; to the second best, \$5.

To the young man who shall prepare and deliver the best oration in the Senior Exhibitions, \$10; to the second best, \$5.

4. *The Fletcher O. Marsh Prize.* A prize of \$100 to the undergraduate student in Physics who shall present the best paper upon such topic as may be assigned by the department of Physics. This prize is established by Charles A. Marsh, of the Class of 1878, as a memorial to his father and mother, who were long connected with the educational interests of Granville.

5. *Lake Laboratory Scholarship Prize.* The University offers as a prize to students in the Departments of Botany and Zoology a scholarship in the State University Lake Laboratory, for the summer session following the award. This prize is awarded on the basis of general excellence in the work done in

these two departments. In case two applicants seem equally meritorious two such scholarships may be offered.

SCHOLARSHIP FUNDS.

For deserving students in need of assistance the University has at its disposal the annual income of the following funds:

1. The Mary K. Monroe Fund, \$30,000. The income of this fund is available for ministerial students in Granville College, and in the Theological Seminaries after graduation from Granville College.
2. The King Scholarship Endowment, of \$12,000, for the aid of young ladies in Shepardson College.
3. The Ebenezer Thresher Fund, of \$10,000, for the aid of young men in Granville College.
4. The M. E. Gray Fund, of \$5,000, for the aid of ministerial students in Granville College.
5. The David and Jane Harpster Fund, of \$1,500, available for students in Granville College and Doane Academy.
6. The David Thatcher Fund, \$1,500, available for ministerial students in Granville College or Doane Academy.
7. The Mary Arnold Stevens Fund, of \$500, for students in Granville College and Doane Academy.
8. The Shepardson Scholarship, income of \$1,000, for students in Shepardson College.
9. The Luse Scholarship, income of \$1,000, for students in Shepardson College.
10. The Bostwick Scholarship of \$1,000, established by A. F. and A. A. Bostwick, of Seville, Ohio.
11. The Griswold Scholarships, the income of \$5,000, the gift of the late G. O. Griswold, Esq., of Warren, Ohio.
12. The Lewis Scholarships, contributed by Charles T. Lewis, Esq., of Toledo, affording free tuition annually to two students.
13. The Doyle Scholarship, contributed by John H. Doyle, Esq., of Toledo, affording free tuition annually to one student.
14. The Maria Theresa Barney Fund, from which the President of the University has a varying amount at his disposal

each year to be loaned to students at his discretion, without interest.

15. The Ohio Baptist Education Society has at its disposal free tuition scholarships for its beneficiaries to the number of forty, if necessary.

16. By authorization of the Trustees the President of the University may remit the tuition of a limited number of students in case of special necessity.

17. A few scholarships which were sold in the early days of the college were afterwards surrendered by the original purchasers and are at the disposal of the Faculty.

Good class standing and exemplary conduct in all relations of life are prerequisite to the enjoyment of any of these scholarships. Pupils holding them may be called upon to render a certain amount of service to the University, but never to an amount which will interfere with regular college studies.

FIRST DEGREES.

The degrees of A. B., B. S., and Ph. B. are conferred upon such candidates for the same as have passed satisfactory examinations upon all the studies required.

Candidates for these degrees are required to pay the Treasurer their dues, including the graduating fee of five dollars, as early as June 1.

No first degree will be granted to any candidate therefor who, at the beginning of the second semester of the Senior year, shall have charged against him as incomplete any work of the course required prior to the Senior year.

SECOND DEGREES.

The usual second degree is conferred on completion of graduate courses of study. Undergraduates who have advanced standing may take work toward a second degree, but not more than two-thirds of a year of such work may be taken previous to graduation. Students in graduate courses are subject to the same tuition, incidental and laboratory fees as others. The

diploma fee for all advanced degrees is ten dollars. The particular requirements for the several degrees are as follows:

FOR THE DEGREES OF A. M. AND M. S.

The candidate for either of these degrees shall study in the University at least one year. He shall, with the approval of the Faculty, select one study which he shall pursue throughout the year as a Major; and he shall also, with the advice of the Professor in his major subject, choose one or two minors in allied subjects to be pursued throughout the year. The candidate, before receiving his degree, shall present a satisfactory thesis on some topic approved by the Professor in charge of his Major.

THE MEDICAL PREPARATORY COURSE.

The Scientific Course includes the subjects recommended by the Association of Medical Colleges for prospective medical students, and special opportunities are offered in departments of Zoology, Botany and Chemistry to such students as may desire to secure entrance to medical schools of the best grade. It is now recognized that the rapidly increasing competition in the medical profession makes necessary the best possible preparation and that college graduates have vastly better prospects of success than others. To accommodate those students who desire to lay the broadest possible foundation for medicine, a year of graduate work is offered leading to the degree of Master of Science and presenting advanced courses in comparative anatomy, histology, neurology, botany, chemistry and physics.

The Separate Departments

I. Granville College

HISTORICAL STATEMENT.

The name "Granville College" was the official designation of the school now known as Denison University, for about ten years previous to the adoption of the present name. At various times during the succeeding years the re-adoption of the name had been informally discussed among the friends of the institution, but the matter had not been taken up officially. When the re-adjustment of the relations between Denison University and Sheppardson College came before the Board, the necessity for some separate designation for the department of the University which has to do with the instruction of young men in the four college classes led inevitably to the revival of the old name *Granville College*. Wherever this term is used, the reader will understand that it refers to the department of collegiate instruction for young men, as distinguished from the departments dealing with the collegiate instruction of young women, preparatory instruction, etc.

Faculty of Granville College

EMORY W. HUNT, D. D., LL. D.,
Intellectual and Moral Philosophy.

JOHN L. GILPATRICK, A. M., PH. D.,
Mathematics.

RICHARD S. COLWELL, D. D.,
The Greek Language and Literature.

GEORGE F. MCKIBBEN, PH. D.,
The Romance Languages.

CHARLES L. WILLIAMS, A. M.,
Rhetoric and English Literature.

WILLIAM H. JOHNSON, A. M.,
The Latin Language and Literature.

WILLIS A. CHAMBERLIN, PH. D.,
The German Language.

CHARLES E. GOODELL, A. M.,
History and Political Science.

FRANK CARNEY, PH. D.,
Geology and Mineralogy.

ARTHUR M. BRUMBACK, A. M.,
Chemistry.

GEORGE E. COGHILL, PH. D.,
Zoology.

ELLIS E. LAWTON, PH. D.,
Physics.

MALCOLM E. STICKNEY, A. M.,
Botany.

ANNA B. PECKHAM, A. M.,
Mathematics.

DENISON UNIVERSITY

THEODORE S. JOHNSON, M. S.,
Engineering.

CLARENCE D. COONS, M. S.,
Physics.

RAYMOND W. FENCE, A. M.,
English.

BLANCHE G. LOVERIDGE, PH. B.,
Pedagogy and History of Art.

BUNYAN SPENCER, A. M.,
Logic.

CORNELIA A. MONTGOMERY, A. B.,
English.

AUGUST ODEBRECHT, A. M.,
Modern Languages.

CARL PAIGE WOOD, A. M.,
Theory of Music.

LAURA B. PARSONS,
Drawing and Designing.

CHARLES I. FREEMAN,
Physical Training.

NELL CHASE, A. B.,
Physical Training.

VICTOR H. HOPPE,
Public Speaking.

FORBES B. WILEY, A. B.,
Mathematics.

ELSOR HEATER, B. PH.,
History.

Conditions of Admission

Regularly authenticated graduates of Doane Academy and Shepardson Preparatory School are admitted to the Freshman class without further examination.

The graduates of certain approved High Schools are credited with their certified High School work without examination, so far as such work coincides with the entrance requirements of the University. Candidates prepared elsewhere than in Doane Academy or Shepardson Preparatory School must in every case present certificates or diplomas officially signed and showing the amount of work done and credit gained in each study. These must be presented when the student applies for admission.

Examinations for admission to the College classes will be held on the day preceding the beginning of the Fall semester, at 9 a. m. (See Calendar.)

ENTRANCE REQUIREMENTS.

The unit employed in the following statement of Entrance Requirements comprises five hours (recitation periods) a week throughout the school year. For admission to the Freshman Class without condition fifteen units must be offered from the following recognized preparatory work, in accordance with the groups stated as follows:

ENGLISH, 3 UNITS.

The usual College requirements in Composition, Rhetoric and English Classics.

LATIN, 4 UNITS.

First Latin book, 1 unit.

Caesar and Composition, 1 unit.

Cicero, 6 orations, and Composition, 1 unit.

Virgil, six Books of the Aeneid, and Composition, 1 unit.

GREEK, 3 UNITS.

First Greek Book, 1 unit.

Anabasis and Composition, 1 unit.

Homer and Composition, 1 unit.

FRENCH, 3 UNITS.

GERMAN, 3 UNITS.

HISTORY, $4\frac{1}{2}$ UNITS.

- Ancient History, 1 unit.
- Mediaeval and Modern History, 1 unit.
- English History, 1 unit.
- Advanced United States History, 1 unit.
- Civics, $\frac{1}{2}$ unit.

MATHEMATICS, 3 UNITS.

- Algebra to Quadratics, 1 unit.
- Algebra through Quadratics, $\frac{1}{2}$ unit.
- Plane Geometry, 1 unit.
- Solid Geometry, $\frac{1}{2}$ unit.

SCIENCE, $5\frac{1}{2}$ UNITS.

- Physics without laboratory work, $\frac{1}{2}$ unit; with laboratory work, $\frac{1}{2}$ unit additional.
- Chemistry without laboratory work, $\frac{1}{2}$ unit; with laboratory work, $\frac{1}{2}$ unit additional.
- Physical Geography without laboratory work, $\frac{1}{2}$ unit; with laboratory work, $\frac{1}{2}$ unit additional.
- Botany, $\frac{1}{2}$ unit; with laboratory work $\frac{1}{2}$ unit additional.
- Physiology, $\frac{1}{2}$ unit.
- Zoology without laboratory work, $\frac{1}{2}$ unit; with laboratory work, $\frac{1}{2}$ unit additional.
- Mechanical Drawing, $\frac{1}{2}$ unit.

From this list of possible entrance subjects the following groups are made up, the studies of the first group being required of all applicants for admission to the Freshman Class, in addition to which Group II is required of all who enter the Classical Course, Group III of all who enter the Philosophical, and Group IV of all who enter the Scientific.

Group I, required of all.

- English, 3 units.
- Mathematics, $2\frac{1}{2}$ units (Algebra $1\frac{1}{2}$ units, Plane Geometry, 1 unit).

History, $1\frac{1}{2}$ units.

Total, 7 units.

GROUP II, *required of Classical students.*

(Group I, as above, 7 units.)

Latin, 4 units.

Greek, 2 units.

Elective, 2 units.

Total, 15 units.

GROUP III, *required of Philosophical students.*

(Group I, as above, 7 units.)

Foreign Language, 4 units.

Science, 1 unit.

Elective, 3 units.

Total, 15 units.

If Latin is offered as a part of the requirements in this group, it must be not less than two units, and students desiring to pursue any of the college groups for the Philosophical degree which require Latin must of course present 4 units of Latin for entrance.

GROUP IV, *required of Scientific students.*

(Group I, as above, 7 units.)

Foreign Language, 4 units. If Latin is offered it must be not less than 2 units.

Science, $2\frac{1}{2}$ units.

Elective, $1\frac{1}{2}$ units.

Total, 15 units.

DEFICIENCIES IN CERTAIN BRANCHES.—Students often apply for admission to regular classes, who are behind those classes in some study. If such students show ability, assistance is afforded them in compassing their purpose. It is sometimes, however, necessary for them to secure private instruction for a short time; but this may be obtained at reasonable rates.

STUDENTS NOT CANDIDATES FOR A DEGREE.—Students not candidates for a degree may be admitted to the College, provided

they give satisfactory evidence to the Faculty that they can profitably pursue the studies which they select.

GENERAL REQUIREMENTS FOR GRADUATION.—In estimating credits for the baccalaureate degree the unit is one hour a week of lecture or recitation, or two hours a week of laboratory work, through one semester. One hundred and twenty-four such units, and four units in physical training, are necessary to the completion of any course leading to a degree. Ordinarily, the student will complete sixteen such units each semester, and no student will be permitted to elect studies aggregating more than eighteen or less than thirteen units in any semester without special permission from the Faculty.

CLASSIFICATION OF STUDENTS.

No student will be classified as Freshman who is deficient at the beginning of the year in more than ten hours of preparatory work. For Sophomore standing the student must have removed entrance conditions and gained credit for at least twenty-two hours of college work by the beginning of the year. For Junior standing he must have completed at least fifty-eight hours of college work, and for Senior standing at least eighty-eight. Gymnasium work required of Freshmen and Sophomores respectively must be completed before they will be advanced to Sophomore and Junior standing. No student will be graduated from the University who at the close of the Spring Recess previous to graduation has not gained credit for at least one hundred and six hours of college work.

DISMISSION.

Students leaving before the close of a semester will not be regarded as having honorably terminated their connection with the University unless regularly dismissed by the President.

EXPENSES.

It is believed that a collegiate education can be obtained here at as little expense as at any other college of equal rank for thorough work and adequate equipment in the country. The following table will indicate closely the necessary items of expense:

Tuition, \$25 each semester.....	\$50
Room rent in Dormitories, including light and heat, \$17.50 to \$25 each semester, according to lo- cation	\$35 to 50
Incidentals, including Gymnasium and Library fees, \$20 each semester.....	40
Books per year, (estimated).....	12
Board	88
Washing	12
Sundries	10
Total	\$247 to \$262

Matriculation Fees are as follows: Freshman Class, \$2; Sophomore, \$3; Junior, \$4; Senior, \$5; Electives, \$2.

Students registering for more than eighteen hours of work in one semester are required to pay an extra tuition fee of \$1 for each extra hour.

For the Laboratory Fees connected with certain scientific studies, see the statements of the various scientific departments, in the following pages.

Registration Fee, one dollar. For registrations made the first day of a semester, the fee is remitted, for the second day, one-half the fee is remitted.

A retaining fee of five dollars is charged for the reservation of rooms in the Dormitories, which must be paid before August first. This fee is credited on room rent *and is forfeited if the room is not taken.*

Absence from any regular examination subjects the student to a fee of \$2 for special examination.

Board in clubs costs from \$2.30 to \$2.75 per week; in families, \$3 to \$4.50. Whatever board costs over \$2.30 per week

must be added to the above estimate. Many students reduce their expenses below this sum.

All term bills are payable at the beginning of each semester. Any student compelled by sickness to leave by the middle of the semester will have one-third of semester bills refunded.

DORMITORY FURNISHING.

Students rooming in the college dormitories are expected to provide their own bed clothing, towels, soap and other toilet appliances. For the charge specified in the preceding table the college provides the necessary furniture (bedstead, mattress, dresser, book-case, lounge, table and chairs), lights the rooms with electric lights and heats them by means of hot water radiators. The living rooms are all in close proximity to lavatories, on the same floor, where shower baths are provided, with hot and cold water. Students not rooming in the College buildings must have their rooms approved by the Faculty and be subject to the general regulations of the College.

Statement of Work in the Various Departments

INTELLECTUAL AND MORAL PHILOSOPHY.

PRESIDENT HUNT.

ASSOCIATE SPENCER.

The required work in this department comprises one hour a week during the first semester of the Freshman year, four hours a week during the first semester, and five hours a week during the second semester of the Senior year. Elective work in Logic is offered through both semesters, three hours per week, open to Juniors and Seniors and other advanced students at the discretion of the Instructor.

The method of the work is almost exclusively by text-book and recitation, with theses upon assigned topics. Attention is not confined to a single text-book, however, but care is taken to give the student an introduction to the best literature of the subject.

President Hunt meets the Freshmen one hour a week during the first semester in a study of the foundations of Christian truth, which is examined with special reference to the objections which it has to meet today.

Careful attention is devoted to Deductive Logic, and the most helpful systems of symbols and diagrams are introduced.

In teaching Inductive Logic, the most recent developments are investigated, and the whole subject is treated not merely as a system of mental gymnastics, but as a method of practical training for philosophical, scientific and judicial investigations.

In Psychology, the final appeal is made to consciousness, while recognition is given to the results of psychological experiment.

In Ethics, the methods and conclusions of the evolutionary school are passed in review. Especial attention is given to the analysis of conscience, and to the principles in accordance with which the character of acts must be determined.

The work is given in the following courses:

1. *Foundations of Christianity*.—Freshman Year, first semester, Thursday, 11 A. M.

3. (a) *Psychology*, until Holiday recess; (b) *History of Philosophy* begun. Senior year, first semester, four hours, Monday excepted, 10 A. M.

4. (a) *History of Philosophy*, until the Spring recess; (b) *Ethics*, from the Spring recess to end of the semester. Senior year, second semester, five hours, 10 A. M.

Courses 1, 3 and 4 are required of all candidates for the various degrees conferred by the University.

5. *Logic*.—Deductive and Inductive. Open to Juniors and Seniors and others at the discretion of the Instructor. First semester, Monday, Wednesday and Friday, 7:40 A. M.

6. *Logic*.—Applied. Special attention is given to Debate. Open to Juniors and Seniors and others at the discretion of the Instructor. Second semester, Monday, Wednesday and Friday, 7:40 A. M. Courses 5 and 6 are given by Associate Spencer.

MATHEMATICS AND ASTRONOMY.

PROFESSOR GILPATRICK.

ASSOCIATE PROFESSOR PECKHAM.

A portion of the courses in mathematics is required in certain groups, as indicated in the group schedules, further on. All the courses in this department are open as electives to students who have had satisfactory preparation, in the judgment of the Instructor.

Solid geometry is prerequisite to mathematics courses beyond the Freshman Year. Students who do not present it on entrance may take it in the Doane Academy class and receive three semester credits in college. The same credits will be given

to students who have had Solid Geometry not less than five hours per week through one semester in their preparatory schools and do not need it as a part of their entrance requirements.

1. *Trigonometry*.—Plane and Spherical. Freshman year, first semester, four hours per week, Friday excepted. Sections at 7:40, 8:40 and 10 A. M.

1a. *Algebra*.—First semester, four hours, Friday excepted, hour to be arranged.

2. *Analytic Geometry*.—Freshman year, second semester, four hours per week, Friday excepted, 7:40 and 11 A. M.

3. *Differential Calculus*.—Sophomore year, first semester, four hours, Friday excepted, 7:40 and 11 A. M.

4. *Integral Calculus*.—Sophomore year, second semester, four hours per week, Friday excepted, 10 A. M.

5. *Theory of Equations*.—Open to Juniors and Seniors. First semester, Monday, Wednesday and Thursday, 10 A. M.

6. *Advanced Calculus, Differential and Integral*.—Senior year, second semester, four hours per week, Friday excepted, 11 A. M.

7. *Differential Equations*.—Open to Juniors and Seniors. First semester, four hours, Friday excepted, 11 A. M.

10. *Method of Least Squares*.—Open to Seniors. Second semester, Tuesday, Wednesday and Thursday, 8:40 A. M.

Astronomy.—Professor Gilpatrick.

2. *Descriptive Astronomy*.—Open to Juniors and Seniors. Second semester, Monday, Tuesday and Wednesday, 8:40 A. M.

GREEK.

PROFESSOR COLWELL.

The following courses are offered:

1. (a) *Lysias*.—Selected orations, with history of Athens under the Thirty Tyrants and the Restoration of the Democracy.

(b) *Thucydides*.—Selections, with history of the Peloponnesian War. Reading at sight from Lysias, Lucian, and the New

Testament. Freshman year, first semester, four hours, Wednesday excepted, 10 A. M.

2. (a) *Thucydides*.—Continuation of course 1. (b) *Hommer*. Selections from the Iliad, with sight reading from the Odyssey. Freshman year, second semester, four hours, Wednesday excepted, 10 A. M.

3. (a) *Demosthenes*.—Selected orations, usually the Philipics and Olynthiacs. (b) *Herodotus*.—Selections. Sight reading from Demosthenes, Herodotus, Diodorus Siculus, Xenophon, and the New Testament. Sophomore year, first semester, four hours, Wednesday excepted, 7:40 A. M.

4. (a) *Herodotus*.—Continuation of course 3. (b) *Plato*.—The Apology and Crito, with selections from the Phaedo. Sight reading from the Memorabilia of Xenophon. Sophomore year, second semester, four hours, Wednesday excepted, 7:40 A. M.

Courses 1-4 are required of all candidates for the degree of Bachelor of Arts and of candidates for the degree of Bachelor of Philosophy who make Greek their major language.

5. *Tragedy*.—Aeschylus, Sophocles, or Euripides. Elective for those who have completed courses 1-4. First semester, four hours, Wednesday excepted, 8:40 A. M.

6. *Aristophanes*.—Elective for those who have completed courses 1-4. Second semester, Tuesday, Thursday, Friday, 1:30 P. M.

8. *New Testament*.—Elective for those who have had courses 1-4. Second semester, Tuesday, Thursday, Friday, 8:40 A. M.

ROMANCE LANGUAGES.

PROFESSOR MC KIBBEN.

MR. ODEBRECHT.

MARY L. MC KIBBEN.

This department offers opportunity of studying French, Italian and Spanish. Its aims are: (1) The acquisition of a

reading knowledge of the foreign language; (2) linguistic training; (3) introduction to the foreign literature and life.

The method employed includes the following features: Simultaneous beginning of grammar and translation; gradual advance to the new with frequent practice upon the old; the mastery of principles by noting and classifying examples found in the texts studied.

French.—

Of the courses enumerated below, applicants for the degree of Bachelor of Arts are required to take at least course 1. For the degree of Bachelor of Science, courses 1 and 2 are required. For the degree of Bachelor of Philosophy, students who choose French as their major language upon entrance must take courses 1 and 2 and at least two four-hour courses in addition. Aside from these requirements the various courses are open as electives to students in all departments, with courses 1 and 2 in order prerequisite to any of the advanced courses. At the option of the student a year of Spanish will be accepted as the equivalent of a year of French.

1. Forms, translation, written exercises, grammar, with 80 pages of simple translation. A course for beginners. Freshman year, first semester, four hours, Wednesday excepted, two sections, 8:40 A. M., and 1:30 P. M. Repeated in second semester.

2. Continuation of the work of course 1. Grammar, with written and oral work in composition. Translation of 150 pages of prose and verse. Freshman year, second semester, four hours, Wednesday excepted, two sections, 8:40 A. M., and 1:30 P. M.

3. Grammar reviewed, with composition exercises and dictation. Erckmann—Chatrion's *Conscrit de 1813*, and *Waterloo*. Sophomore year, first semester, four hours, Wednesday excepted, 1:30 P. M.

4. Review of Grammar, forms and syntax, with composition. Nineteenth century prose and poetry. Sophomore year, second semester, four hours, Wednesday excepted, 1:30 P. M.

5. Composition and Dictation. First semester, Monday, Tuesday and Wednesday, 7:40 A. M.

6. Modern Comedies, rapid reading and summaries in French. Second semester, Wednesday, Thursday and Friday, 7:40 A. M.

7. Scientific French. Dike's Scientific French Reader. First semester, Wednesday, 1:30 P. M.

8. Scientific French. Continuation of course 7. Second semester, Wednesday, 1:30 P. M.

11. French Literary History. Faguet, Lemaître, or Pellissier. Open to students who have had two years of French. First semester, three hours, time to be arranged.

12. French Philology, or Old French. Open to students who have had Freshman Latin. Three hours, time and text to be arranged. Second semester.

Italian.—

2. Grandgent's Grammar. Prose and verse of the Risorgimento. Outline of the history of Italian Literature. The forms of the language are learned and practiced in exercises, written and oral, and in translation. Elective in all courses. Second semester, Tuesday, Wednesday, Thursday and Friday, 8:40 A. M.

3. Modern Prose and Poetry. First semester, Tuesday, Wednesday, Thursday and Friday, 8:40 A. M.

Spanish.—

1. Garner's Grammar and Ramsey's Reader. The forms of the language are learned and practiced in written and oral exercises and in translation. Recent prose and verse. Sight reading of business correspondence. Open as an elective to students in all courses. First semester, four hours, Wednesday excepted, 7:40 A. M.

2. Cervantes, or modern prose. Second semester, four hours, Wednesday excepted, 7:40 A. M.

The courses in Spanish and Italian, while intended as electives for upper classmen, may be taken by any who, in the judgment of the Instructor, can carry them with profit.

RHETORIC AND ENGLISH LITERATURE.

PROFESSOR WILLIAMS.

ASSISTANT PROFESSOR PENCE.

MISS MONTGOMERY.

Throughout the course, the study of Rhetoric is pursued in combination with the study of literature, American and English. Instruction is given by text-book and notes. Themes are required throughout the course. Students are made acquainted with the principles of literary criticism, and encouraged to develop intelligent appreciation of the best that has been thought and written from Caedmon to the present time. A number of electives are offered during the Junior and Senior years. All members of the Senior Class are required to appear in public exhibitions during the winter, young men with orations and young women with essays.

The following courses are given:

1. A course in theme-writing and the structure of English prose. Text-book, *The Atlantic Monthly* for November, December and January. First semester, Tuesday, Wednesday and Friday, 8:40 A. M., 2:30 P. M.

2. A study of formal rhetoric and of specimen selections from literature. Text: Genung's *Working Principles of Rhetoric*. Second semester, Tuesday, Wednesday, and Friday, 8:40 A. M. and 2:30 P. M.

3. *English Literature*.—Lewis, *Beginnings of English Literature*, Chaucer, *Prologue* and *Knight's Tale*, Spenser, *The Faery Queene*, Book I, Thayer's *Best Elizabethan Plays*. Notes on the Development of the Drama. Junior year, first semester, Monday, Wednesday and Friday, 11 A. M.

4. *English Literature*.—The text-book used is Long's, supplemented by selected readings and by notes on special topics. Junior year, second semester, Monday, Wednesday and Friday, 11 A. M.

5. Crawshaw's *The Interpretation of Literature*. Essays and Orations. Senior year, first semester, Monday, 10 A. M.

6. *Elizabethan Literature*.—Based on Professor Saintsbury's book. Second Semester, Tuesday and Thursday, 8:40 A. M.

7. *Anglo-Saxon*.—*Bright's Anglo-Saxon Reader*. Etymology and Phonology. A knowledge of German is desirable. First semester, four hours, Wednesday excepted, 1:30 P. M. Professor Chamberlin.

8. *The English Novel*. Stoddard's *Evolution of the English Novel*. Open only to Juniors and Seniors. Second semester, Monday, Wednesday and Friday, 8:40 A. M. Five hours credit.

9. *A Study of Prose Fiction*.—The text-book used is Perry's, which is supplemented by selected readings. First semester, Tuesday and Thursday, 11 A. M.

10. *Later American Writers*.—The text-book is Vedder's, supplemented by selected readings and by notes. Second semester, Tuesday and Thursday, 11 A. M.

11. *Shakespeare*.—Prerequisite, course 3. First semester, Wednesday and Friday, 11 A. M.

12. *Anglo-Saxon*. Continuation of Course 7, with the study of Anglo-Saxon poetry. Second semester, 2 to 4 hours, according to special arrangement. 1:30 P. M. Professor Chamberlin.

13. *Poetics*.—Gummere's *Poetics*; Baldwin and Paul's *English Poems*. This course is designed to give a technical knowledge of poetry, to develop an appreciation of the English Classics, and to prepare students for course 6 in Public Speaking. First semester, Monday, Tuesday and Thursday, 11 A. M.

14. *Literary Interpretation*.—The text-book used is Winchester's, which is accompanied by a study of masterpieces in prose and verse. Second semester, Wednesday and Friday, 10 A. M.

15. *The Short Story*.—Study of the technique of the short story; critical analysis of the best modern writers and original work. First semester, Tuesday and Thursday, 7:40 A. M.

17. *The Teaching of English*.—The text-book used is *The Teaching of English*, of Carpenter, Baker and Scott, supplemented by the work in Chubb's *The Teaching of English* and by re-

ports on assigned topics. Designed especially for Juniors and Seniors and open to no one below these classes without express permission from the instructor. First semester, two hours, Tuesday and Thursday, 1:30 P. M.

18. *Advanced Theme-Writing*.—A course dealing especially with Exposition. The text, *The Atlantic Monthly* for February, March and April. Special attention is given to the criticism of original themes. Prerequisite Course 1. Second semester, two hours, Tuesday and Thursday, 1:30 P. M.

Courses 1-5 are required of all candidates for degrees. The remaining courses are elective, and open to such students as may be prepared to do the work profitably, in the judgment of the Instructor.

LATIN LANGUAGE AND LITERATURE.

PROFESSOR JOHNSON.

ASSISTANT PROFESSOR PENCE.

Of the following courses, numbers 1, 2, 3 and 4 are required of all applicants for the degree of Bachelor of Arts, but courses 5 and 6 may be substituted for 3 and 4, with the approval of the Instructor. Applicants for the degree of Bachelor of Philosophy who elect the Latin group (Group C1) are required to take four semesters of work in the department, four hours per week, beginning with courses 1 and 2. For the remaining two semesters, the student may select between courses 3 and 4, and courses 5 and 6. All courses in the department are open as electives to any student who, in the judgment of the Instructor, is sufficiently prepared to pursue the work with profit, but courses 1 and 2 must in all cases precede any of the more advanced courses.

1. (a) *Cicero*.—De Senectute and De Amicitia, one to be assigned for translation and the other employed for training in oral reading of the Latin text. (b) *Livy*.—Books XXI-XXII, or selections from the earlier books. Review of Latin Syntax. Four hours per week, Thursday excepted. First semester, two sections, 7:40 and 11 A. M.

2. *Odes and Epodes of Horace*.—Sight reading from the Satires. Outlines of the History of Roman Poetry. Four hours per week, Thursday excepted. Second semester, two sections, 7:40 and 11 A. M.

3. *The Roman Stage*.—Two plays of Plautus and one of Terence. Notes on the history of the Ancient Drama. Four hours per week, Thursday excepted. First semester, 8:40 A. M.

4. *Rhetoric and Literary Criticism of the Romans*.—This course is based upon Books X and XII of Quintilian, with collateral work in the rhetorical writings of Cicero, the Epistles of Horace and the Dialogus of Tacitus. The relation of Greek and Roman ideas to present-day problems of Rhetoric and Criticism is emphasized. Four hours per week, Thursday excepted, second semester, 8:40 A. M.

5 and 6. *Historical Course*.—A year's work on the downfall of the Roman Republic and the establishment of the Empire. Readings from Cicero's Letters, Tacitus and the younger Pliny. Four hours per week, Thursday excepted. First and second semesters, 10 A. M.

7 and 8. *Virgil*.—A study of the poems of Virgil and their place in the History of Literature from points of view which can not be emphasized in the preparatory school. The two semesters are not open to election separately. At the option of the Instructor, work in the Roman Elegy and Epigram may be substituted for the Poetry of Virgil in these two courses. Monday and Wednesday. First and second semesters, 1:30 P. M.

9 and 10. *Latin Writing*.—This work aims to secure an improvement in the student's power to analyze and appreciate the style of classical Latin authors. It is accompanied by the study of certain problems of Latin Grammar from the historical point of view. The two semesters are not open to election separately. First and second semesters, Tuesday and Friday, 1:30 P. M.

11 and 12. Students who have had not less than two years' work in the department and have a fair reading acquaintance

with at least one of the modern languages may have individual topics in Latin Literature or Roman life assigned to them for private study, under the constant supervision of the department. These courses may be utilized for Honor study, or applied to the requirements for graduation, with a credit not to exceed three hours for each semester.

GERMAN LANGUAGE AND LITERATURE.

PROFESSOR CHAMBERLIN.

MR. ODEBRECHT.

DR. HUNDLEY.

The aim of the courses is to give a ready knowledge of German and an insight into the life and thought of the German people. German is treated as a living language, and its use as a medium of conversation is cultivated in the class. Interest is stimulated by reference to the history and present conditions of Germany. Supplementary reading is encouraged and themes are required, embracing results of critical study.

Of the following courses, candidates for the A. B. degree are required to take course 1, in the Sophomore year. Candidates for the B. S. degree must take at least courses 1-2.

1. *Elementary Course*.—Essentials of grammar; pronunciation and translation of easy selections; oral and written composition. Four hours, Wednesday excepted, two sections, 10 A. M. and 1:30 P. M.

2. *Continuation of Course 1*.—Drill on the ordinary inflectional forms and syntactical principles. Mosher's *Willkommen in Deutschland*, or similar work, used as a basis for translation and conversation in German. Four hours, as in course 1.

3. *Minor Fiction*.—Selections from such authors as Wildenbruch, Storm, and Baumbach, oral and written exercises in the foreign idiom; systematic study of grammatical principles, word composition and derivation. First semester, four hours, Wednesday excepted, 10 A. M. Prerequisite, courses 1 and 2.

4. *Dramatic and Epic Poetry*.—Critical study of Schiller's *Wilhelm Tell*, *Maria Stuart*, or *Die Jungfrau von Orleans*, and Goethe's *Hermann und Dorothea*; principles of the drama, reviews and themes in German. Composition. Second semester, same hours as course 3. Prerequisite, courses 1-3, or courses 1-2 and 5.

5. *The Modern Novel*. Hauff's *Lichtenstein*; Freytag's *Soll und Haben*, and similar works; rapid reading, with oral and written reproduction of the subject matter. An intermediate course for those presenting three year units of preparatory German, or courses 1-3. First semester, three hours per week, Monday, Wednesday and Friday, 7:40 A. M.

6. *Continuation of Course 5*.—Readings from fiction, history, and science, selected for variety of style and contents. Second semester, same hours as course 5. May follow course 4 or 5.

7 and 8. *German Culture and Literature of the Classical Period*.—A study of social and literary conditions in Germany in the latter half of the Eighteenth Century, as reflected in the works of Lessing, Schiller and Goethe. Course seven includes an interpretation of Lessing's chief critical and dramatic works, and of Schiller's *Wallenstein*. Course eight takes up the main incidents and tendencies of Goethe's life, interpreted by his own prose and poetical works, including *Faust* Part I, with selections from Part II. Both semesters, Monday, Wednesday and Friday, 8:40 A. M. Prerequisite, courses 1-4 or 5-6.

9. *Survey of German Literature*.—Thomas's *German Anthology* and Müller's *German Classics*. Outside readings on special topics. First semester, two hours per week, Tuesday and Thursday, 8:40 A. M. Follows course 6, 7 or 8.

10. *Continuation of Course 9*.—German Literature beginning with Luther. May be taken separately with the same prerequisites as course 9; same hours as course 9.

HISTORY AND POLITICAL SCIENCE.

PROFESSOR GOODELL.

MR. HEATER.

Throughout the work in History, it will be the purpose to supplement the lectures and recitations with reports from the class on topics assigned for individual investigation. Research work is considered as a matter of prime importance to the student in this department and will be rigidly required of all who desire credits therein.

The courses offered are as follows:

1. *Medieval Europe*.—From the Decline of the Roman Empire through the Renaissance. This course gives special attention to the rise of the Papacy, the development of national institutions, and the social and industrial development of the leading nations; closing with a study of the Renaissance. This course, designed for Sophomores, is required of all classical students, and with courses 2 and 13 is recommended for the course in International Law. First semester, 4 hours, Friday excepted, 2:30 P. M.

2. *Modern Europe*.—From the Reformation to the Congress of Vienna. Special stress laid upon the causes leading to the Reformation, the Thirty Years' War, the expansion of Europe, the French Revolution and the Napoleonic Wars. Prerequisite History 1. Second Semester, 4 hours, Friday excepted, 2:30 P. M.

3-4. *American Political History*.—A general course which runs through the year beginning with 1783 and closing with 1860. Industrial and economic questions will necessarily receive slight attention in this course, except as they bear on our political development. Designed especially for Juniors and Seniors, and open to no one below these classes without express permission from the instructor. The courses in Constitutional and International Law are strongly advised as a preparation for all courses in American History. Monday, Wednesday, Friday, 1:30 P. M.

5. *International Law*.—A study of the general principles of International Law occupying four hours throughout the second semester. The text will be supplemented by assigned readings and lectures. The course in Nineteenth Century History is recommended for this subject. Second semester four hours, Friday excepted, 8:40 A. M.

6. *American Institutions*.—A study of the practical working of American political institutions. It will be somewhat in the nature of an advanced course in civics, with special attention to the practical working of both State and National governments. The text will be supplemented by lectures and assigned readings. This course is open to all students of the University. Second semester, Friday excepted, 8:40 A. M.

7. *Constitutional Law*.—The Federal Constitution. Open to all members of college classes. In connection with a study of the principles of Constitutional Law, as presented in some standard text-book, a careful study will also be made of the leading cases which have given the Constitution its present development. The aim will be to teach the student to interpret the Constitution for himself, to the end that he may be the better fitted to perform the duties of citizenship. It is not, therefore, designed merely for prospective lawyers, but for the intelligent citizen as well. First semester, Tuesday and Thursday, 1:30 P. M.

8. *Constitutional Law*.—State Constitutions. Continues course 7, with particular reference to the development of the powers of local and State governments under the State Constitutions. Prerequisite, course 7. These courses cannot be divided. Second semester, Tuesday and Thursday, 1:30 P. M.

9. *Europe in the Nineteenth Century*.—Principally a lecture course with rigid requirements as to supplementary reading. Special attention will be given to the Industrial Revolution, the evolution of the present French republic, Unifications of Germany and Italy, a historical study of Socialism and the development of the Eastern question. Prerequisite History 1 and 2.

Open to others by special permission of the instructor. First semester, three hours, Monday, Wednesday and Friday, 7:40 A. M.

11. *History of England*.—From the Saxon period to the Tudors. A course in general English history is here offered, with special stress upon the development of political institutions. It is expected that courses 11 and 12 will be of special value to students of English literature and prospective law students. First semester, 3 hours, Monday, Wednesday and Friday, 8:40 A. M.

12. *History of England*.—From the Tudor period through the nineteenth century. Special attention given to the colonial expansion of England, and the rise of English industries and commerce. Prerequisite History 11. Open to others by special permission. Second semester, 3 hours, Monday, Wednesday, and Friday, 8:40 A. M.

13. *Economics*.—An investigation of the leading principles of Economics. Lectures, recitations and reports on assigned topics. Open to Sophomores, Juniors and Seniors. First semester, four hours, Friday excepted, 7:40 A. M.

14. *Money and Banking*.—An advanced course in the above subject will be offered, beginning in 1912. History 13 is a prerequisite for this course. Second semester, Monday, Wednesday and Friday, 7:40 A. M.

GEOLOGY.

PROFESSOR CARNEY.

This department, which occupies the entire third floor of Barney Memorial Hall, is unusually well equipped with maps, relief models, minerals, rock specimens, and lantern slides. The laboratories are commodious, and fairly complete in appointments. Its library and well lighted reading room, twenty-seven by thirty feet, places the G. K. Gilbert collection of books where it can be of most use to students; all the American periodicals bearing on geology and geography, as well as representative

British, Scottish, German, and French magazines come regularly to the department library.

In its instruction the department places much emphasis on field work. We have within easy reach the formations from the Silurian to the Pennsylvanian inclusive. The topography where the Waverly and Mississippian series outcrop, and this is in the immediate region of Granville, affords excellent illustrations for studies in physiography. The conditions are also specially favorable for studies in glacial geology, since we have close at hand the drift of different ice invasions, and are within a few miles of unglaciated territory.

Students desiring only a general course in geology are advised to take 3-4; the course in Geographic Influences is also of cultural value.

The fee in each course taken with field or laboratory work, except 8, is one dollar.

1. *Physiography*.—First semester, Monday and Wednesday, 8:40 A. M. Text, Salisbury's *Physiography*; library work; three all day field trips, and eight laboratory periods. Four credits; or, without the field and laboratory work, two credits.

2. *Geography of North America*.—Second semester, Tuesday and Thursday, 1:30. Lectures and collateral reading. No prerequisites. Two credits.

3-4. *General Geology*.—Both semesters, Tuesday and Thursday, 11 A. M. Lectures; three all day field trips, and eight laboratory periods. Four credits; or, without the field and laboratory work, two credits.

5-6. *Geographic Influences*.—Both semesters, Monday and Wednesday at 11 A. M., and Tuesday and Thursday, 10 A. M. A brief review of the physiographic features of the continents, followed by a consideration of human relations as responses to these features. Lectures and assigned readings. Three credits; or without the special library work, two credits.

7. *Economic Geology*.—First semester, Monday and Thursday, 8:40 A. M. Text, Ries' *Economic Geology of the United*

States. Prerequisites: Engineering 1, Chemistry 1-4, Physics 1-2, Geology 3-4. Two credits.]

[8. *Crystallography and Mineralogy.*—Second semester, 7:40 A. M., Fridays excepted. Fee, \$3.00. Three credits.

9-10. *Investigation.*—Both semesters. For advanced students. Hours and credits arranged.

11-12. *Geological Literature.*—Both semesters. Prerequisite, Geology 2, or 3-4, or 5-6, and ability to read either German or French. A reading knowledge of Spanish and Italian is an advantage in this course. Meets once a week to report on assigned readings. Fee, \$1.00. Two credits.

CIVIL ENGINEERING.

ACTING PROFESSOR JOHNSON.

In field work the classes are divided into parties with just a sufficient number to do the required work. By rotation each member of the class becomes familiar with the duties of each position and with every different instrument used. A full set of notes of the work done by the party is kept by each member. The method of instruction in this department is largely by means of text-books and recitations, supplemented by lectures and individual instruction in field and office work. The department is supplied with a large collection of blue prints of railroad standards, bridge standards, shop-drawings, etc. A liberal use is made of current engineering literature. In the courses in drawing the main object is to give such a training as will meet the needs of the engineer as fully as possible.

The following courses are offered:

1. *Mechanical Drawing.*—Use and care of drawing instruments, lettering, exercises in projection, and simple working drawings. Prerequisite, preparatory mathematics. First semester, two hours, Monday, 2:30-4:30; Wednesday, 1:30-3:30. Fee, \$1.00.

2. A continuation of course 1, with the same hours and credits. Additional hours may be assigned to those desiring a more extended course. Fee \$1.00.

3. *Descriptive Geometry*.—A study of the representation of lines, surfaces, solids, tangencies, intersections, and developments, with original problems. Recitations, lectures and drawing. Prerequisite, course 1. First semester, four hours, Friday excepted, 10-12, A. M. Fee, \$1.00.

4. *Plane Surveying*.—An elementary study of surveying methods and instruments. Use of tape, chain, compass, level, transit. Adjustments. Lectures, recitations, problems, field work and platting. Prerequisite, course 1 and Mathematics 1. Second semester, four hours, Friday excepted, 7:40-9:40. Fee \$2.00.

5. *Railroad Surveying and Earth-work*.—Problems attending the location and construction of railways. Transition curves, computation of earth-work, platting, profiles and construction of maps. This course will alternate with course 11. Prerequisite, course 4. First semester, four hours, Friday excepted, 1:30-3:30. Fee \$2.00.

6. *Railroad Engineering*.—The economic theory of location is studied for six weeks. This is followed by a preliminary survey of a railroad several miles in length, with preliminary map, profile and estimates; location survey, profile and cross sectioning. A location map is made, earth-work computed, estimate of haul and cost of the line. A map is also made of a railroad station grounds, showing industries, etc. Prerequisite, course 5. Second semester, Monday and Wednesday, 1:30-3:30. Fee, \$2.00.

7. *Applied Mechanics*.—Statics, with illustrative examples, stresses in beams, moments of inertia; dynamics, strength of beams, girders and shafts. The principles of mechanics are studied with reference to their application to engineering. Mathematics 4 and Physics 1 are prerequisite. First semester, four hours, Friday excepted, 8:40 A. M.

8. *Applied Mechanics*.—A continuation of course 7. Second semester, four hours, Friday excepted, 10 A. M.

9. *Analysis of Structures*.—Determination of stresses in roof and bridge trusses by graphical and analytical methods. Prerequisite, course 8, Mathematics 4, Physics 1. First semester, Tuesday and Thursday, 7:40 A. M., with laboratory periods to be assigned. Four credits, fee \$1.

10. *Roof and Bridge Design*.—A continuation of course 9. Design of actual roof and bridge trusses, and preparation of working drawings. Checking and discussion of working drawings. The department is provided with a large collection of such drawings, presented by railroads, structural iron companies and city engineers. Prerequisite, courses 8 and 9. Fee, \$1.00. Hours and credits as in course 9.

11. *Topographical Surveying and Mapping*.—The methods of conducting topographical surveys are taken up. Each party makes a complete topographical survey of a certain tract, employing plane table, stadia, transit and rectangular methods. The area is computed and a map is made showing all topographical features. Alternates with course 5. Prerequisite, course 4. First semester, four hours, Friday excepted, 1:30-3:30. Fee \$2.00.

12. *Cement Testing*.—A study of the manufacture, properties and testing of hydraulic cements and mortars. Each student makes all the standard tests in the cement laboratory. Prerequisite, Chemistry 1-4. Second semester, Wednesday, 7:40 A. M., additional laboratory hours to be assigned. Fee \$2.00.

13. *Highway Construction and Maintenance*.—A study is made of the methods and materials necessary to maintain streets and highways in city and country. Prerequisite, courses 1 and 4. First semester, Monday, 7:40 A. M.

14. *Hydraulics*.—A study of hydrostatics and hydrokinetics, pressure in pipes and reservoirs, flow of water through orifices and pipes, and retaining walls. Prerequisites, courses 7 and 8. Second semester, two credits. Hours to be assigned.

CHEMISTRY.

PROFESSOR BRUMBACK.

1-2. *General Chemistry*.—Four periods per week through the year. Arranged for college students who have never studied the subject. Required of scientific students who do not present Chemistry for entrance. Prerequisite, preparatory Physics. Fee \$4.00. Monday and Wednesday, 11 A. M., Tuesday and Thursday, 10-12 A. M.

3-4. *Qualitative Analysis*.—Two laboratory periods per week through the year. Required of scientific students who present Chemistry for entrance. Prerequisite, preparatory Physics and Chemistry. Fee, \$4.00. Tuesday and Friday 10-12 A. M.

5-6. *Quantitative Analysis*.—Three laboratory periods per week through the year. Processes of gravimetric and volumetric analysis. Must be accompanied by course 7-8. Prerequisite, Chemistry 1-2, or 3-4. Fee, \$4.00. Monday, Wednesday and Friday, 2:30-4:30 P. M. Courses 5-6 alternate with courses 9-10, and will be offered during the year 1911-1912.

7-8. *Chemical Arithmetic*.—One period per week through the year. Drill in the calculation of chemical analysis, accompanied by talks upon quantitative methods. Prerequisite, Chemistry 1-2, or 3-4. Monday, 7:40 A. M.

9-10. *Organic Chemistry*.—Two recitations and two laboratory periods per week through the year. Prerequisite, Chemistry 1-2 or 3-4. Fee \$4.00. Monday and Thursday, 1:30 P. M.; Tuesday and Friday, 1:30-3:30 P. M. Courses 9-10 alternate with 5-6, and will not be offered during the year 1911-1912.

11-12. *Inorganic Preparations*.—The student may register for either semester, or both. Two to five credits. Prerequisite, one year of Chemistry. Fee, \$4.00. Daily, 7:40-9:40.

13-14. *Advanced Quantitative Analysis*.—The student may register for either semester or both. Two to five credits. Prerequisite, Chemistry 5-8. Fee \$4.00. Hours to be arranged.

15-16. *Chemical Journals*.—The student may register for

either semester or both. Two credits. Meeting once per week to review and discuss current chemical literature. Prerequisite, one year of Chemistry.

ZOOLOGY.

PROFESSOR COGHILL.

In the election of studies in Zoology students are advised that courses 1, 2, 12, 15 and 16 are adapted to the general needs of all students; 7 and 10 are recommended as preparatory to sociology, psychology and pedagogy; 3, 4, 5, 6 and 8 are planned more particularly to meet the needs of students who are anticipating the study of medicine.

1-2. *General Biology*.—This course is given jointly by the departments of zoology and botany and is also known as Botany 1 and 2. It is designed to illustrate the elementary general principles of biology in both the animal and the plant kingdoms. Three credits. Fee, \$2.50 for each semester. Lectures at 1:30 on Wednesday, laboratory 1:30 to 3:30 Tuesday and Thursday. Students who have had good courses in elementary human physiology with laboratory exercises may sometimes be admitted to the second semester's work without the first; but this is not advised and will be permitted only by special advance arrangement with the instructors.

3. *Invertebrate Zoology*.—Weysse's "Synoptic Text-Book of Zoology" is supplemented with informal lectures. Prerequisite, courses 1 and 2 or their equivalent. First semester. Four credits. Fee, \$3.00. Lectures Tuesday and Thursday at 11; laboratory, Wednesday and Friday, 2:30 to 4:30.

4. *Vertebrate Zoology*.—Continuation of course 3. The Thursday's lectures of this course are identical with the lectures of course 12. The Tuesday's lectures and all the laboratory work are upon the comparative anatomy and embryology of vertebrates and are planned particularly for the prospective medical student. Hours as in course 3.

5. *General Histology*.—Prerequisite, course 4. First semester. Three credits. Fee, \$3.00. Lectures, Tuesday at 8:40,

laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1910-1911.

6. *Histology and Physiology*.—Laboratory studies of the microscopic structure of the digestive, excretory and vascular systems are supplemented with lectures upon the physiology of the organs under consideration. Prerequisite, course 5. Second semester. Three credits. Fee, \$3.00. Lectures, Tuesday at 8:40; laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1910-1911.

7. *Neurology*.—A study of the development, structure and function of the nervous system of vertebrates with special reference to the central nervous system and sense organs of man. Prerequisite, courses 1 and 2. First semester. Three credits. Fee, \$3.00. Lectures, Thursday at 8:40; laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1911-1912.

8. *Embryology*.—Laboratory studies upon the embryos of the frog, chick and pig, with reading and discussion of recent and current literature upon embryology and related subjects of biological theory. Prerequisite, course 5. Second semester. Three credits. Fee, \$3.00. Lectures, Thursday at 8:40; laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1910-1911.

9. *Nutrition and Food Values*.—Prerequisite, course 6, Physics 2 and Chemistry 9-10. First semester. One credit. Lectures, Tuesday at 7:40.

10. *Comparative Psychology*.—A biological consideration of psychological problems. Reading of recent literature on animal psychology and experiments upon nerve-muscle physiology and animal behavior. Prerequisite, course 7. Second semester. Three credits. Fee, \$3.00. Lectures, Thursday at 8:40; laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1911-1912.

12. *Ornithology*.—A study of the natural history, classification and behavior of birds. Eight laboratory exercises of two hours each and at least eight field trips. Second semester. Two

credits. Fee, \$2.00, payable to the instructor at the time of enrollment. Lectures, Thursday at 11.00; laboratory, Wednesday and Friday, 2.30 to 4.30. Field trips arranged by consultation with the instructor.

13-14. *Advanced Zoology*.—A course on assigned problems, designed as an introduction to research. Primarily for graduate students and open for undergraduate election only in special cases. Hours and credits arranged individually.

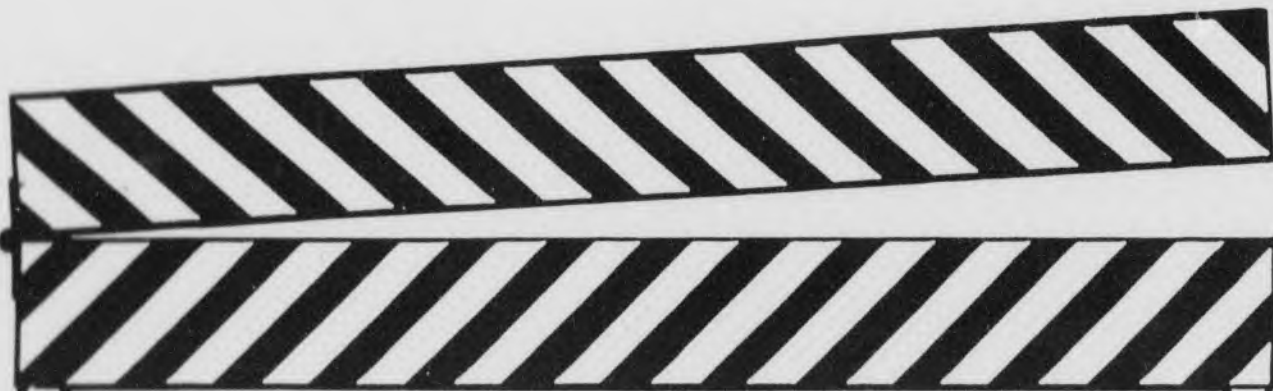
15-16. *Personal Hygiene*.—One lecture a week throughout the year. One credit a semester. A section for women is conducted by Miss Chase; a section for men, by Professor Coghill. Wednesday at 10. All students who are registered in college classes are invited to attend these lectures informally as auditors.

PHYSICS.

PROFESSOR LAWTON.

ASSISTANT PROFESSOR COONS.

The courses in Physics are arranged for four classes of students. 1. Applicants for the degree of A. B., who desire to elect one or more courses in Physics will find courses 1-4 open to their election. 2. Applicants for the degree of B. S., who are taking their major work in other departments. Courses 1 and 2 are required. Courses 3-6, 11 and 12 are elective. 3. Applicants for the degree of B. S., who desire to take their major work in Physics. Courses as outlined in Group III are required. Competitors for the Fletcher O. Marsh Prize in Physics, in addition to the group requirements, are required to take courses 15-16. 4. Students who desire to take a technical course in electrical or mechanical engineering. The best education for such engineers is one in which the liberal culture of a college course precedes the training of the technical school, but many cannot afford to spend the time to complete both the college and the technical courses. The Physics Group includes all the non-technical studies of the best technical schools, and its successful completion will fit a student to enter the third year of



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laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1910-1911.

6. *Histology and Physiology*.—Laboratory studies of the microscopic structure of the digestive, excretory and vascular systems are supplemented with lectures upon the physiology of the organs under consideration. Prerequisite, course 5. Second semester. Three credits. Fee, \$3.00. Lectures, Tuesday at 8:40; laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1910-1911.

7. *Neurology*.—A study of the development, structure and function of the nervous system of vertebrates with special reference to the central nervous system and sense organs of man. Prerequisite, courses 1 and 2. First semester. Three credits. Fee, \$3.00. Lectures, Thursday at 8:40; laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1911-1912.

8. *Embryology*.—Laboratory studies upon the embryos of the frog, chick and pig, with reading and discussion of recent and current literature upon embryology and related subjects of biological theory. Prerequisite, course 5. Second semester. Three credits. Fee, \$3.00. Lectures, Thursday at 8:40; laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1910-1911.

9. *Nutrition and Food Values*.—Prerequisite, course 6, Physics 2 and Chemistry 9-10. First semester. One credit. Lectures, Tuesday at 7:40.

10. *Comparative Psychology*.—A biological consideration of psychological problems. Reading of recent literature on animal psychology and experiments upon nerve-muscle physiology and animal behavior. Prerequisite, course 7. Second semester. Three credits. Fee, \$3.00. Lectures, Thursday at 8:40; laboratory, Wednesday and Friday, 7:40 to 9:40. Offered for 1911-1912.

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13-14. *Advanced Zoology*.—A course on assigned problems, designed as an introduction to research. Primarily for graduate students and open for undergraduate election only in special cases. Hours and credits arranged individually.

15-16. *Personal Hygiene*.—One lecture a week throughout the year. One credit a semester. A section for women is conducted by Miss Chase; a section for men, by Professor Coghill. Wednesday at 10. All students who are registered in college classes are invited to attend these lectures informally as auditors.

PHYSICS.

PROFESSOR LAWTON.

ASSISTANT PROFESSOR COONS.

The courses in Physics are arranged for four classes of students. 1. Applicants for the degree of A. B., who desire to elect one or more courses in Physics will find courses 1-4 open to their election. 2. Applicants for the degree of B. S., who are taking their major work in other departments. Courses 1 and 2 are required. Courses 3-8, 11 and 12 are elective. 3. Applicants for the degree of B. S., who desire to take their major work in Physics. Courses as outlined in Group B6 are required. Competitors for the Fletcher O. Marsh Prize in Physics, in addition to the group requirements, are required to take courses 15-16. 4. Students who desire to take a technical course in electrical or mechanical engineering. The best education for such engineers is one in which the liberal culture of a college course precedes the training of the technical school, but many cannot afford to spend the time to complete both the college and the technical courses. The Physics Group includes all the non-technical studies of the best technical schools, and its successful completion will fit a student to enter the third year of

the technical school, and thus earn both the college and the engineering degrees in six years.

The following courses are offered:

A. *Elementary Physics*.—Lectures and recitations based on Millikan and Gale. Prerequisite to all courses in Physics. Required of all B. S. students and elective for all A. B. and B. Ph. students who do not offer one year of entrance Physics. First semester, Monday, Wednesday and Friday, 11 A. M.

B. *Elementary Physics*.—Laboratory course based on Millikan and Gale accompanying course A. Fee, \$2.00. First semester, Tuesday and Thursday, 10-12 A. M. or 1:30 to 3:30 P. M.

C. *Elementary Physics*.—A continuation of course A. Second semester, Monday, Wednesday and Friday, 11 A. M.

D. *Elementary Physics*.—Laboratory course accompanying course C. Fee, \$2.00. Second semester, Tuesday and Thursday, 10-12 A. M. or 1:30-3:30 P. M.

1. *General Physics*.—Lecture demonstrations and recitations covering the more important principles of Mechanics, Sound and Light. Three hours a week. Prerequisites, courses A-D or their equivalent. Required of candidates for B. S. degree, elective for A. B. and B. Ph., Sophomores, Juniors and Seniors. First semester, Tuesday, Wednesday, Friday, 8:40 A. M. Mathematics 1 must accompany or precede.

2. *General Physics*.—A continuation of course 1, covering Heat, Electricity and Magnetism. Prerequisite, course 1. Required of candidates for the B. S. degree, elective for A. B. and B. Ph., Sophomores, Juniors and Seniors. Second semester, Tuesday, Wednesday and Friday at 8:40 A. M.

3. *Mechanics, Molecular Physics, and Heat*.—Laboratory course based upon Millikan. Elective for all students who have taken courses 1-2. Fee, \$2.00. Four hours, Monday excepted, 7:40-9:40 A. M. or 1:30 to 3:30 P. M.

Note.—This course will not be given in 1911-12.

4. *Sound, Light, Electricity and Magnetism*.—A laboratory course covering some of the fundamental experiments in Sound,

Light, Electricity and Magnetism. One recitation and three laboratory periods a week. Prerequisite, courses 1-3. Fee, \$2.00. Second semester, recitation Thursday, 7:40 A. M., laboratory periods, Tuesday, Wednesday and Friday, 7:40-9:40 A. M.

Note.—This course will be given in the first semester in 1911-12, and should be registered for as Physics 3.

5. *Electrical Measurements.*—An advanced course in electrical measurements. One lecture or recitation and three laboratory exercises a week. This course will be concluded with a brief presentation of the phenomena of conduction of electricity through gases. Prerequisites, courses 1-4. Fee, \$2.00. First semester, lecture or recitation, Thursday, 7:40 A. M.; laboratory periods, Tuesday, Wednesday and Friday, 7:40-9:40 A. M.

Note.—This course will be given in the second semester in 1911-12, and should be registered for as Physics 4.

6. *Theoretical Physics.*—A course designed to familiarize the student with the more important principles of Physics when treated from a mathematical standpoint. Prerequisite, courses 1-4. Second semester, Monday, Wednesday and Friday, 11 A. M.

7. *Advanced Light.*—Course based on Edser's Light and Mann's Optics, including measurements with Fresnel mirrors and bi-prism, Rowland grating, prism spectrometer, Michelson interferometer, and the Chamberlain compound interferometer. Prerequisite, courses 1-3. Fee, \$2.00. First semester. Tuesday and Thursday, 11 A. M.

9. *Direct Currents and Direct Current Machines.*—Lecture and laboratory course based on Pender's *Principles of Electrical Engineering*. Prerequisite, courses 1-4. Fee, \$2.00. First semester. Lecture and recitation, Tuesday and Thursday, 1:30 P. M.; laboratory work, Wednesday and Friday, 1:30-3:30 P. M.

10. *Alternating Currents and Alternating Current Machines.*—Lecture and laboratory course based on Pender. Prerequisite, courses 1-5. Fee, \$2.00. Second semester. Lecture and recitation, Tuesday and Thursday, 1:30 P. M.; laboratory work, Wednesday and Friday, 1:30-3:30 P. M.

11. *History of Physics*.—A course dealing with the development of Physics, previous to the nineteenth century, from an historical standpoint. Prerequisite, courses 1-2. First semester. Monday, 8:40 A. M.

12. *History of Physics*.—A continuation of course 11 dealing with the historical development of Physics from the beginning of the nineteenth century to the present time. Second semester. Monday, 8:40 A. M.

13-14. *Physical Reviews*.—A study and discussion of the current issues of physical journals, with the view of familiarizing the student with the present progress of Physics. Prerequisite, courses 1-4. Hour to be arranged.

15-16. *Thesis in Physics*.—Elective for students in the Physics Group and required of competitors for the Fletcher O. Marsh Prize in Physics. Students who have shown ability to profit by such a course will be assigned some subject for original investigation or the repetition of some important classical experiment, under the immediate supervision of the head of the department. Senior, first and second semester. Three hours a day, Monday to Friday inclusive.

17. *Physical Basis of Music*.—A lecture demonstration course presenting the fundamental principles involved in the theory of music. Elective, without prerequisites, for all students in the University. Required of students in the Conservatory of Music. First semester, Tuesday and Thursday, 2:30 P. M.

BOTANY.

PROFESSOR STICKNEY.

MISS DAVIES.

MISS ORCUTT.

The work in the department of Botany is designed not only for the systematic development of that branch of science for the benefit of students who wish to teach or in any other way professionally devote themselves to it, but also to emphasize, through systematic training in observation and deduction, the broader

and purely cultural side of the subject. Courses 1, 2, 9, 10, 11 and 12 are particularly designed for students interested in the cultural side of science. Courses 1-4, 9, 11 and 13 have a special bearing upon pre-medical work; 1-2, 9, 11 and 13 should be taken by all students interested in domestic science. The following courses are offered:

1 and 2. *General Biology*.—Given jointly by the departments of Botany and Zoology, and identical with Zoology 1 and 2. A study of the properties and activities of living substance, the general organization of living things, the evolution of structure and function, and adaptation to environment. Three hours through the year. Open to general election. Required for admission to all advanced courses in Botany, except where so specified. Fee, \$2.50 for each semester. Lectures, Wednesday at 1:30. Laboratory and seminar, Tuesday and Thursday, two sections, 1:30-3:30 and 2:30-4:30.

3 and 4. *General Botany*.—Includes a very general survey of the plant kingdom, with a study of type forms from the lowest to the highest orders. Structure, development, reproduction and classification are considered from the standpoint of biology and evolution. Four hours through the year. Two hours of lecture and recitation (based on Campbell's University Text-book of Botany) and two laboratory or field periods. Prerequisite, Botany 1 or 2 (both advised) or the equivalent. Fee, \$3.00 for each semester. Lectures, Tuesday and Thursday at 11. Laboratory, Wednesday and Friday, 2:30-4:30.

5. *Histology of Phanerogams*.—The study of the cells, tissues and organs of flowering plants. Special reference to the technique of microscopic study. Lectures, laboratory and library work. Three hours, first semester. Prerequisite, Botany 3 and 4. Fee, \$3.00. Lecture, Tuesday at 7:40. Laboratory hours to be arranged.

6. *Physiology and Ecology of Phanerogams*.—The study of the various activities of the higher plants, and of the relation of those activities to form and structure. Lectures, laboratory and field work. Three hours, second semester. Pre-

quisite, Botany 5. Fee, \$3.00. Lecture, Tuesday at 7:40. Laboratory hours to be arranged.

*9. *Economic Fungi*.—A general treatment of the more important plant diseases, such as rusts, smuts, moulds and mildews; of yeasts and fermentation organisms; of pathogenic bacteria; and of edible and poisonous mushrooms. Lectures, laboratory and thesis work. Two hours, first semester. Open to general election. Fee, \$1.00. Lecture, Friday, 7:40 A. M. Laboratory, Wednesday, 7:40-9:40 A. M.

*10. *Introduction to Forestry*.—A consideration of the character, culture, protection and uses of the forest, and an introduction to the more important problems confronting the practical forester. The value of trees is emphasized, and the identification of the native trees is a part of the laboratory work. Lectures, laboratory, field, and thesis work. Two hours, second semester. Open to general election. Fee, \$1.00. Lecture, Friday, 7:40 A. M. Laboratory, Wednesday, 7:40-9:40 A. M.

*11. *Bacteriology*.—A very general treatment of the structure and activities of bacteria, with emphasis placed on their relation to human life and interests. Among the specific subjects treated are soil fertility, sewage disposal, milk problems, butter and cheese making, diseases of plants and animals, and public health. Lectures, laboratory and thesis work. Two hours, first semester. Open to general election. Fee, \$1.00. Lecture, Friday, 7:40 A. M. Laboratory, Wednesday, 7:40-9:40 A. M.

12. *Systematic Botany*.—The principles of classification from both historical and evolutionary standpoints, and a study of the classification of flowering plants. The identification of our native plants, and the use of the herbarium, forms a part of the laboratory work. Lectures, laboratory and thesis work. Three hours, second semester. Open to general election, but Botany 3-4 advised. Fee, \$2.00. Lecture, Tuesday at 7:40. Laboratory, Monday and Thursday, 7:40-9:40. Miss Davies.

13. *Microscopic Examination of Vegetable Foods*.—The identification of the commoner food products by microscopic

and micro-chemical methods, and the detection of food adulterations. A laboratory course based on Winton's *Microscopy of Vegetable Foods*, given in connection with Zoology 9. Prerequisite, Botany 1-2 and Chemistry 1-2. Two laboratory periods a week, through the first half of the first semester, with one credit. Fee, \$1.00. Hours to be arranged.

17-18. *Botanical Literature*.—Either or both semesters may be taken. Prerequisite, one year of botany. Ability to read French, German, or Italian is desirable. One meeting each week for reports on assigned readings. Two credits. Fee, \$1.

19 and 20. *Advanced Botany*.—Special work on assigned problems, leading to research in Botany. This course may be taken only by competent students, and with the consent of the head of the department. Hours and credits arranged individually.

PEDAGOGY.

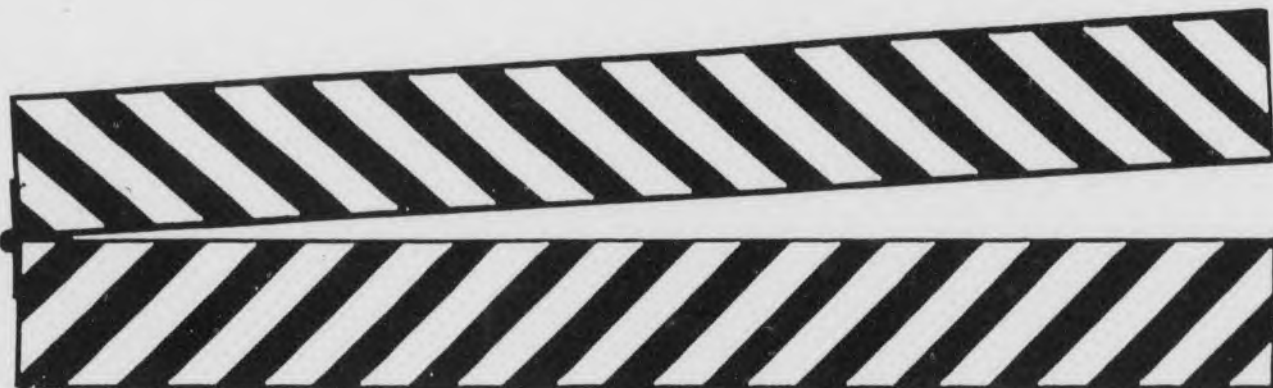
DEAN LOVERIDGE.

A large proportion of the graduates of Denison become teachers, and some training in Pedagogy is becoming an absolute necessity in the teacher's equipment. The following courses are therefore offered, with a view to giving the student a knowledge of the conduct of a school and of the methods of classroom instruction.

1. *Methods in Teaching*.—The practical conduct of a school and the presentation of work from the standpoint of the teacher, the pupil and the subject. First semester, Monday, Tuesday and Wednesday, 7:40 A. M.

2. *History of Education*.—A brief survey of the growth of school systems, their methods and their ideals. Second semester, Monday, Tuesday and Wednesday, 7:40 A. M.

3. *Methods in Teaching*.—This course deals with the theoretical side of school management and instruction, as course 1 with the practical. The ideals of present-day educators are emphasized. First semester, Monday, Tuesday and Wednesday, 7:40 A. M.



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prints, Botany 1. Two Hours. Lectures, Tuesday at 7.40. Laboratory hours to be arranged.

72. *General Course in general bacteriology*—A general course of the more important plant diseases, with an essay, notes, models and slides of each and bacteriological organisms of pathogenic bacteria and of edible and poisonous mushrooms. Lectures, Monday and Tuesday, two hours, first semester. Open to general students. Fee, \$1.00. Lectures, Friday, 7.40 a. m. Laboratory, Wednesday, 7.00-8.30 p. m.

73. *Introduction to Fungi*.—A consideration of the characters, culture, production and uses of the fungi, and an introduction to the more important problems confronting the practical cultivator. The value of fungi is emphasized, and the identification of the native fungi is a part of the laboratory work. Lectures, Wednesday, two and three weeks. Two hours, second semester. Open to general students. Fee, \$1.00. Lectures, Friday, 7.40 a. m. Laboratory, Wednesday, 7.00-8.30 p. m.

74. *Bacteriology*.—A very general treatment of the structure and activities of bacteria, with emphasis placed on their relation to human life and disease. Among the specific subjects treated are cell structure, organic disposal, milk problems, butter and cheese making, diseases of plants and animals, and public health. Lectures, laboratory and thesis work. Two hours, two semesters. Open to general students. Fee, \$1.00. Lectures, Friday, 7.40 p. m. Laboratory, Wednesday, 7.00-8.40 a. m.

75. *Botanical Botany*.—The principles of classification from both essential and subsidiary characters, and a study of the economic uses of flowering plants. The identification of our native plants, and the use of the herbarium, forms a part of the laboratory work. Lectures, laboratory and thesis work. Three hours, second semester. Open to general students, but Botany 2.3 advised. Fee, \$1.00. Lectures, Tuesday at 7.40, Laboratory, Monday and Thursday, 7.40-8.30. Miss Davies.

76. *Microscopic Examination of Vegetable Foods*.—The identification of the necessary food products by microscopic

and micro-chemical methods, and the detection of food adulterations. A laboratory course based on Winton's *Microscopy of Vegetable Foods*, given in connection with Zoology 9. Prerequisite, Botany 1-2 and Chemistry 1-2. Two laboratory periods a week, through the first half of the first semester, with one credit. Fee, \$1.00. Hours to be arranged.

17-18. *Botanical Literature*.—Either or both semesters may be taken. Prerequisite, one year of botany. Ability to read French, German, or Italian is desirable. One meeting each week for reports on assigned readings. Two credits. Fee, \$1.

19 and 20. *Advanced Botany*.—Special work on assigned problems, leading to research in Botany. This course may be taken only by competent students, and with the consent of the head of the department. Hours and credits arranged individually.

PEDAGOGY.

DEAN LOVERIDGE.

A large proportion of the graduates of Denison become teachers, and some training in Pedagogy is becoming an absolute necessity in the teacher's equipment. The following courses are therefore offered, with a view to giving the student a knowledge of the conduct of a school and of the methods of classroom instruction.

1. *Methods in Teaching*.—The practical conduct of a school and the presentation of work from the standpoint of the teacher, the pupil and the subject. First semester, Monday, Tuesday and Wednesday, 7:40 A. M.

2. *History of Education*.—A brief survey of the growth of school systems, their methods and their ideals. Second semester, Monday, Tuesday and Wednesday, 7:40 A. M.

3. *Methods in Teaching*.—This course deals with the theoretical side of school management and instruction, as course 1 with the practical. The ideals of present-day educators are emphasized. First semester, Monday, Tuesday and Wednesday, 7:40 A. M.

4. *History of Education*.—This course is based upon course 2, emphasizing cause and effect of present-day conditions in the historical survey of school systems, their methods and their ideals. Second semester, Monday, Tuesday and Wednesday, 7:40 A. M.

Courses 1 and 2 alternate with 3 and 4 respectively, from year to year, but 1 and 2 will be repeated during 1911-1912.

HISTORY OF ART.

DEAN LOVERIDGE.

The aim of these courses is not only to give the student a knowledge of the art history of the world and to fit him for foreign travel, which in this day has become so essential a factor in training and culture, but to lead him through a knowledge of the fundamental principles of aesthetics, to a truer appreciation of that which is good in the world of fine arts.

The courses enumerated below are all elective for Juniors and Seniors.

2. *Appreciation in Art*.—A one hour course aiming to train the student in the power to recognize and appreciate the essential qualities of excellence in the Fine Arts. Required of all Freshmen. Second semester, Thursday, 11 A. M.

3. *History of Painting*.—The aim of this course is to study the history of painting by epochs. Beginning with the Gothic period of Italian Art, a careful study is made of the gradual evolution of painting, through the Renaissance and Decadent Periods, laying special stress upon the works of those men in whom the High Renaissance spirit of Italian painting reached its culmination. Attention is then given to the other great national schools of art, with concluding lessons on American painting. First semester, four hours, Friday excepted, 8:40 A. M.

4. *History of Architecture*.—After a general introduction to the history of architecture, and a consideration of the relations of architecture, sculpture and painting, the study is taken up by periods, beginning with the ancient Empire of Egypt and continuing through the Renaissance in Europe. A series of les-

sons follows on the Architecture of English Cathedrals. The work concludes with a study of recent architecture in Europe and the United States. The aim is to give a general view of the historic styles of architecture and a thorough understanding of their essential elements. Second semester, four hours, Friday excepted, 8:40 A. M. Alternates with course 6; given in 1912.

6. *History of Sculpture*.—As the history of sculpture is mainly a history of the influence of Greek art on later times, most of the term's study is devoted to Greece and a comparison of its sculpture with that of other countries and epochs. To this is added elementary instruction in the criticism of sculpture. Second semester, four hours, 8:40 A. M. Alternates with course 4. Not given in 1912.

MUSIC.

MR. WOOD.

By action of the Faculty theoretical courses offered in the Conservatory of Music are allowed to count as elective work toward any of the baccalaureate degrees conferred by the University. These courses are also incorporated in one of the scheduled groups leading to the B. Ph. degree. They are as follows:

3. *Physical Basis of Music*.—Two hours, first semester. Tuesday and Thursday, 2:30 P. M.

4. *Elementary Theory*.—Two hours, second semester. Monday and Thursday, 8:40 A. M.

5-6. *History of Music*.—Three hours, both semesters. Monday, Wednesday and Friday, 1:30 P. M.

7-8. *Harmony*.—Three hours, both semesters. Monday, Wednesday and Friday, 11 A. M.

9-10. *Counterpoint*.—Three hours, both semesters. Monday, Wednesday and Friday, 10 A. M.

11-12. *Musical Form*.—Two hours, both semesters. Tuesday and Thursday, 10 A. M.

13-14. *Canon and Fugue*.—Two hours, both semesters. Tuesday and Friday, 8:40 A. M.

15-16. *Composition*.—Two hours, both semesters. Tuesday and Thursday, 11 A. M.

17. *Appreciation of Music*.—Two hours, first semester. Monday and Thursday, 8:40 A. M.

PUBLIC SPEAKING.

MR. HOPPE,

This department affords training in practical public speaking and in the vocal interpretation of literature. The aim is a cultivation of speech-arts, inducing finished expression in speaking and reading. In Oratory the student learns to think clearly and speak forcefully before an audience. In reading he is led to appreciate and then interpret literature through the media of voice and action. The following courses are offered as college electives:

1. *Fundamentals of Expression*.—This course forms the basis of all work done in the department, aiming at a three-fold training—mind, voice and body. First semester, three hours.

2. *Principles of Vocal Expression*.—A continuation of course 1. Individual work in gaining a vocabulary of delivery. Second semester, three hours.

3-4. *Effective Speaking and Reading*.—A laboratory course in expression. Students appear in extempore speeches, orations, brief lectures and short readings. First and second semesters, three hours. The two courses may be elected separately.

6. *The Vocal Interpretation of Literature*.—Analysis and interpretation of literary masterpieces. (a) The Idylls of the King. (b) A study in the spirit of literature, epic, dramatic, narrative and lyric. Second semester, two hours. Prerequisite, course 1 or 3.

8. *Platform Art*.—Open at discretion of instructor only to those who have had sufficient training in expression. Students

appear for criticism in readings and scenes from standard dramas. Second semester, two hours.

9. *Dramatic Readings*.—A course in dramatic thinking. The student reads Shakespeare in character and situation, thus stimulating him to an appreciation of the poet not gained in ordinary literary courses. (a) *Twelfth Night*. (b) *Hamlet*. Open only to Juniors and Seniors. First semester, three hours.

DRAWING.

MISS PARSONS.

The Director of the School of Art, Miss Parsons, offers a course in free-hand drawing, one hour per week, which is open to Freshmen in all groups and receives full college credit. Aside from this special course credit may be obtained for the ordinary work in drawing done in the department, on the usual laboratory basis of a one-hour credit for two hours' work. In groups in which the knowledge of drawing is especially important, the adviser is authorized, at his discretion, to make obligatory the special course above mentioned. It is open also to special students with the consent of the Instructor. Fee, \$1.50.

PHYSICAL TRAINING.

MR. FREEMAN.

Physical training is essential to sound scholarship. With this in view, a progressive course in systematic and rational physical training is given, covering a minimum of two hours per week in the Freshman and Sophomore years, for which four credits are allowed. A careful physical examination of each student is made at the beginning of the school year, of which an accurate record is kept, and advice is given to assist the individual in acquiring or maintaining a healthy body.

In place of the systematic class work, those students who desire to follow other plans of physical training, by devoting four forty-five minute periods per week thereto, may receive credits for the same, as above, subject to the discretion of the Director. A short talk on the theory and practice of some ath-

letic or gymnastic exercise from the standpoint of observer and participant is given each week, and is open to all students of the University.

An elective course in Physical Training is offered to Juniors and Seniors who desire a deeper knowledge of this subject than the work of under-classmen furnishes. This course includes lectures on the history, theory and practice of gymnastics and athletics; lighting, seating, heating and ventilating of school rooms; the taking of physical measurements and examination of heart, lungs and senses; first aid to the injured and care of minor injuries. Ample opportunity is given for practice in handling gymnastic classes and athletic teams.

Courses of Study

The unit of work is one hour of lecture or recitation work per week throughout a semester, and 124 units are required to complete a course. *In laboratory work a two-hour period counts as one unit.* Without special permission to do otherwise, each student is expected to take not less than thirteen nor more than eighteen units of work in any one semester. For aid in choosing electives, the student may consult the schedules for the respective semesters, which will be found at the end of the volume.

To insure the organization of classes in purely elective studies the student must announce his election of any given study to the Professor or Instructor concerned thirty days previous to the close of the preceding semester.

THE GROUP SYSTEM.

To avoid the manifest evils of unregulated election a number of groups have been formed, each leading to one of the three degrees conferred by the University—Bachelor of Arts, Bachelor of Science, or Bachelor of Philosophy. Thus the student, upon entrance, elects first the degree for which he wishes to study and then makes his choice among the different groups leading to that degree. Each of these groups emphasizes some particular line of study, such as Botany, Physics, or His-

tory, for instance, and connects with this such other branches as are fitted to secure breadth and consistency in the result as a whole, together with a more extended knowledge of the field of study which forms the center of the group. A certain amount of free election is allowed in each group. After the student has made his choice of a group, all further matters affecting his schedule of studies, including his choice of free electives, must be determined in conference with his Faculty Adviser. At the head of each group schedule, in the pages following, will be found the name of the Faculty Adviser for that group.

The numbers following names of studies indicate the number of the course, as described in the preceding statements of the various departments of study. Odd numbers always indicate first semester courses, even numbers those of the second semester.

GROUP SCHEDULES

A. FOR THE DEGREE OF BACHELOR OF ARTS.

Six groups lead to this degree, designated A1, A2, etc. The first is especially suited to students preparing to teach Greek or Latin, or do graduate work in those branches. The second gives opportunity for advanced work in physics, with related mathematics in connection with the ancient classics. In the third, some other branch of science may be similarly emphasized; in the fourth, history; in the fifth, pure mathematics, and in the sixth, English.

The common requirements of all groups for this degree are Greek, courses 1-4; Latin, sixteen units, beginning with courses 1-2; English, courses 1-5; Philosophy, courses 1, 3 and 4; History, courses 1-2; History of Art, 2; eight units of science, and at least four units each in French and German.

GROUP A1. ADVISER, PROFESSOR COLWELL.

Freshman Year.—English 1-2, Greek 1-2, Latin 1-2, Philosophy 1, History of Art 2. These requirements give a total of twelve hours each semester, giving an opportunity to elect three or four hours additional work, in consultation with the Adviser.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, History 1-2, French or German, four hours each semester. A one or two-hour course each semester may be elected in addition, with consent of the Adviser.

Junior Year.—English 3-4, French or German, four hours each semester, Latin or Greek, two, three or four hours each semester, History or History of Art, three or four hours each semester. Free election, two to five hours each semester, depending upon the student's choice between alternative requirements just stated.

Senior Year.—English 5, Philosophy 3-4, Logic, History or Language, two to four hours. Free election, four to eleven hours each semester.

GROUP A2. ADVISER, PROFESSOR JOHNSON.

Freshman Year.—English 1-2, Greek 1-2, Latin 1-2, Mathematics 1-2, Philosophy 1, History of Art 2.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, Physics or Mathematics, four hours each semester. Election, two to six hours each semester, but History 1 and 2 must be taken in the Sophomore or Junior year.

Junior Year.—English 3-4, Mathematics or Physics, three or four hours each semester, Modern Language or Science, three or four hours each semester. Election, three to nine hours each semester, but History 1 and 2 must be taken if not taken in the Sophomore year.

Senior Year.—English 5, Philosophy 3-4, Mathematics or Physics, three or four hours each semester, Modern Language or Science, three or four hours each semester. Election, three to seven hours each semester.

GROUP A3. ADVISER, PROFESSOR JOHNSON.

Freshman Year.—Latin, Greek, English, History of Art and Philosophy, as in Group A1, described above. Election, three or four hours each semester.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, History 1-2, Science or Modern Language, three or four hours each semester. Election, two or three hours each semester.

Junior Year.—English 3-4, Science, four hours each semester, History or History of Art, three or four hours each semester. Election, four to eight hours each semester.

Senior Year.—English 5, Philosophy 3-4, Science or Modern Language, three or four hours each semester. Election, four to ten hours each semester.

GROUP A4. ADVISER, PROFESSOR GOODELL.

Freshman Year.—English, Greek, Latin, History of Art, and Philosophy, as in Group A1, described above. From three to five hours open to election, with consent of the Group Adviser.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, History 1-2. One year's work in Science is required, preferably in the Sophomore year. Free election, two to six hours each semester, according as the Science requirement is taken during this year or deferred.

Junior Year.—History 3-4, History 6, or History 7-8. English 3-4. Election, eight to ten hours in the first semester, six to eight in the second.

Senior Year.—English 5, Philosophy 3-4, History 5 and 13. (Course 13 is optional for Shepardson College Students.) Election, seven to eleven hours in the first semester, seven in the second.

GROUP A5. ADVISER, PROFESSOR GILPATRICK.

Freshman Year.—English 1-2, Greek 1-2, Latin 1-2, Mathematics 1-2, Philosophy 1, History of Art 2.

Sophomore Year.—Greek 3-4, Latin 3-4 or 5-6, Mathematics 3-4. Three to six hours open to election each semester.

Junior Year.—English 3-4, Mathematics 5-6. Six to eleven hours open to election each semester.

Senior Year.—English 5, Philosophy 3-4, Mathematics 7 for first semester, Mathematics 8 or 10, or Astronomy 2, second semester. Six to ten hours open to election each semester.

The general requirements of four units each of French and German and eight units of Science should one or both be completed by the close of the Junior year.

GROUP A6, ADVISER, PROFESSOR WILLIAMS.

Freshman Year.—English, Latin, Greek, History of Art, and Philosophy as in Group A1, described above. Election, three or four hours each semester.

Sophomore Year.—English 9 and 10, Latin 3 and 4, or 5 and 6, Greek 3 and 4, Modern Language. Election, two to four hours.

Junior Year.—English 3, 4, 6, 7 and 11, Modern Language. Election, five to nine hours.

Senior Year.—English 5, 13 and 15, Philosophy 3-4, History of Art 4 or 6. Election, eight hours each semester.

B. FOR THE DEGREE OF BACHELOR OF SCIENCE.

Seven groups lead to this degree, designated B1, B2, etc., emphasizing respectively the departments of Botany, Chemistry, Engineering, Geology, Mathematics, Physics and Zoology.

The common requirements of all groups leading to this degree are: English, courses 1-5; Chemistry, courses 1-2 for those who do not present Chemistry for entrance, courses 3-4 for those who do, Physics, courses 1-2; Philosophy, courses 1, 3 and 4; History of Art, course 2. All candidates for this degree must present at least eight units of French or Spanish, and eight of German. Students who present two years of French or German for admission to the Freshman class must take at least eight additional units of foreign language work (French, Spanish, German or Latin) before graduation.

Time not provided for by these general requirements, or by the additional requirements of the particular group chosen, is open to free election in conference with the Group Adviser. In

order to insure the formation of a class in any study which is purely elective, the student must consult his Group Adviser and the Instructor concerned at least thirty days previous to the end of the preceding semester.

GROUP B1. BOTANY. ADVISER, PROFESSOR STICKNEY.

This group is subdivided, as follows:

Sub-group I is designed for students who wish to make Botany their major science, with a view to teaching that subject, or to biological survey or state or government work in the Department of Agriculture. In addition to the general requirements for the B. S. degree, the group requires:

Botany, 1, 2, 3, 4, 5, 6.

Drawing, Mechanical or Free-hand, one unit.

Geology 3, 4.

Zoology, 3, 4, 15, 16.

Sub-group II is arranged for those who intend to go into practical agriculture, or who contemplate the United States Forestry Service. This group prepares for advanced standing in a School of Forestry. The group requirements, in addition to the general requirements for the B. S. degree, are:

Botany 1, 2, 3, 4, 5, 6, 9, 10.

Civil Engineering 1, 4, 11.

Geology 3, 4.

Mathematics 1.

Zoology 3, 4, 15, 16.

In addition to the above, this group requires the summer courses in Plant Ecology and Entomology to be taken at the Lake Laboratory, Sandusky.

GROUP B2. CHEMISTRY. ADVISER, PROFESSOR BRUMBACK.

Freshman Year.—English 1-2, Mathematics 1-2. Philosophy 1, Chemistry 1-2, or 3-4, Zoology 15-16, History of Art 2, a Modern Language, 4 hours.

Sophomore Year.—Chemistry 5-8, a Modern Language, four hours, Physics 1-2. Four to six hours each semester open to election.

Junior Year.—English 3-4, Chemistry 9-10. Seven to eleven hours open to election each semester.

Senior Year.—English 5, Philosophy 3-4. Nine to thirteen hours each semester open to election.

In this Group two years each of French and German are urged, also Mathematics 3-4, Geology 3-4, or 5-6, and Zoology 1-2.

GROUP B3. ENGINEERING. ADVISER, ACTING PROFESSOR JOHNSON.

Freshmen Year.—English 1-2, Mathematics 1-2, Philosophy 1, Civil Engineering 1 or 2 and 4, Chemistry 1-2 or 3-4, History of Art 2.

Sophomore Year.—Physics 3-4, Mathematics 3-4, French or German 4 hours, Civil Engineering 3 and 12.

Junior Year.—English 3-4, Geology 3, German or French four hours each semester, Civil Engineering 7 and 13 first semester, 8 and 12 the second.

Senior Year.—English 5, Philosophy 3-4, Civil Engineering 9 in the first semester, 10 in the second. Election, six hours each semester. Students interested in Mining Engineering are referred to the second sub-group under Group B4.

GROUP B4. GEOLOGY. ADVISER, PROFESSOR CARNEY.

This group is subdivided as follows:

SUB-GROUP I.

Sub-group I is intended as a general culture course. Electives may be so arranged as to prepare for a teaching position in Geology and a modern language, or some other combination. The group comprises:

1. *General Requirements*, as in all scientific groups, stated on page 78.
2. *Group Requirements*, Geology, 2, 3, 4, 5, 6, 11, 12; Zoology, 15-16; and three years of other sciences.
3. *Elective*. Courses sufficient to make up the 124 units required for the B. S. degree.

SUB- GROUP II.

This group affords the training for certain lines of work in the United States Geological Survey, and also prepares for advanced standing in a Mining Engineering School.

Freshman Year.—Mathematics 1-2, English 1-2, Chemistry 3-4, Philosophy 1, Civil Engineering 1-2, History of Art 2.

Sophomore Year.—Chemistry 5-6, Physics 1-4, Mathematics 3-4, Civil Engineering 4, Geology 3-4, and French or German throughout the year.

Junior Year.—Civil Engineering 3 and 7, English 3-4, Geology 7, and French or German throughout year, Geology 12. Election, six hours second semester.

Senior Year.—English 5, Philosophy 3-4, Geology 11, Civil Engineering 11. Election, six hours each semester.

NOTE.—If a student presents French or German for entrance, the opportunity for election is thereby increased. Civil Engineering 11 should be elected if possible.

GROUP B5. MATHEMATICS. ADVISER, PROFESSOR GILPATRICK.

Freshman Year.—Mathematics 1-2, English 1-2, Philosophy 1, Chemistry 1-2, or 3-4, History of Art 2. Election, four hours.

Sophomore Year.—Mathematics 3-4, Physics 1-2, French or German four hours. Possible election, three to six hours each semester.

Junior Year.—Mathematics 5-6, English 3-4. Six to ten hours' election possible each semester.

Senior Year.—Mathematics 7, first semester, Astronomy 2 or Mathematics 8 or 10, second semester; English 5, Philosophy 3-4. Seven to ten hours' election each semester.

GROUP B6. PHYSICS. ADVISER, PROFESSOR LAWTON.

Freshman Year.—English 1-2, Physics 1-2, Mathematics 1-2, Chemistry 1-2, or 3-4, Philosophy 1, History of Art 2. Election, three to five hours each semester.

Sophomore Year.—Physics 3-4, Mathematics 3-4. Election, eight hours each semester.

Junior Year.—English 3-4, Physics 5-6 and 11-12. Election, three to six hours in first semester, six to nine hours in second semester.

Senior Year.—English 5, Philosophy 3-4, Physics 7 and 13-14. Election, eight hours in first semester, ten hours in second semester. Students contemplating Electrical or Mechanical Engineering as a profession should elect Physics 9-10 in senior year. Those desiring special or advanced work along particular lines in Physics may elect courses 15-16.

GROUP B7. ZOOLOGY. ADVISER, PROFESSOR COGHILL.

This group is subdivided, as follows:

Sub-group I, recommended to students who anticipate the study of medicine.

In addition to the general requirements for all groups leading to the B. S. degree, the following courses are included:

Freshman Year.—Zoology 1-2.

Sophomore Year.—Zoology 3-4.

Junior and Senior Years.—Botany 3-4; Zoology 5, 8, 7, 10.

Additional Requirements.—Zoology 15-16 (in the Freshman year if possible) and Botany 11.

Sub-group II, recommended to Shepardson College students who desire studies relating particularly to domestic science.

In addition to the general requirements for the B. S. degree, the following courses are included:

Freshman Year.—Zoology 1-2.

Sophomore Year.—Zoology 4.

Junior and Senior Years.—Zoology 5, 6, 7, 9, 10.

Additional Requirements.—Zoology 15-16 (in the Freshman Year if possible) Zoology 12, Botany 9, 11, 13.

C. FOR THE DEGREE OF BACHELOR OF PHILOSOPHY.

The applicant for this degree must select some one foreign language, ancient or modern, and pursue it through two consecutive years, (16 semester units) and previous to graduation must elect not less than 8 additional units of foreign language

work, in consultation with his Group Adviser. Further common requirements of all groups for the degree are, English, courses 1-5; Philosophy, courses 1, 3 and 4, History of Art, course 2.

Eight groups, designated C1, C2, etc., lead to this degree, emphasizing respectively the departments of Latin, Romance languages, German, English, History, Mathematics, Pedagogy and Theory of Music.

GROUP C1. LATIN. ADVISER, PROFESSOR JOHNSON.

Freshman Year.—English 1-2, Philosophy 1, Latin 1-2, French or German four hours, History of Art 2. Election, three to six hours each semester.

Sophomore Year.—Latin 3-4 or 5-6, a Modern Language, History 1-2 or a Science. Free election, three to six hours each semester.

Junior Year.—English 3-4; a Modern Language, Pedagogy, or History of Art; Latin, Logic or History. Free election, three to nine hours each semester.

Senior Year.—English 5, Philosophy 3-4; Latin, History or a Romance Language. Free election, six to ten hours each semester.

GROUP C2. ROMANCE LANGUAGES. ADVISER, PROFESSOR
MCKIBBEN.

Freshman Year.—English 1-2, Philosophy 1, French four hours, History of Art 2. Elective, eight hours each semester from departments of Mathematics, Sciences, or Ancient Languages.

Sophomore Year.—French four hours, German four hours, the remainder of the time to be filled by election from the Ancient Languages, Science, Mathematics or History.

Junior Year.—First semester, English 3, Spanish 1, Anglo-Saxon four hours, French two hours. Possible election, three to five hours. Second semester, English 4, Spanish 2, Italian 2, French two hours. Possible election, four to six hours.

Senior Year.—English 5, Philosophy 3-4, Italian 3, French two hours, each semester. Possible election, six to nine hours in first semester, seven to eleven hours in second.

GROUP C3. GERMAN. ADVISER, PROFESSOR CHAMBERLIN.

Freshman Year.—German 1-2, English 1-2, Philosophy 1, Mathematics 1, History of Art 2. Elective, Latin or Greek.

Sophomore Year.—German 3-4, History 1-2, Physics 1. Elective, three to six hours in the first semester and seven to ten hours in second, to be chosen from the departments of French, Latin, Greek, and Science.

Junior Year.—First semester: English 3; two courses selected from German 7, Spanish 1 and French 3; one course from Philosophy 5, History 3 and History of Art 3. Free election, three to six hours. Second semester: German 6 or 8, English 4 or History of Art 4 or 6; one course from Spanish 2, Italian 2 and French 4. Three to five hours open to free election. Spanish or History of Art, if chosen in the first semester, must be continued through the year. German 7 must be taken in the first semester if 8 is to be chosen in the second. In any case German 7 is required in either the Junior or the Senior Year.

Senior Year.—German 9-10, Philosophy 3-4, English 5; German 7, if not previously taken. Election, four to eight hours in first semester, seven to ten hours in second.

If credits in Modern Languages are offered for entrance a corresponding amount may be deducted from the college language requirements of the Group, thus leaving more time for election from other departments.

GROUP C4. ENGLISH. ADVISER, ASSISTANT PROFESSOR PENCE.

Freshman Year.—English 1-2, Philosophy 1, Latin 1-2, History of Art 2, French or German. Election, three to five hours.

Sophomore Year.—English 9-10, two Modern Languages. Election, four to eight hours.

Junior Year.—English 3, 4, 6, 7 and 11; Modern Language. Election, five to nine hours.

Senior Year.—English 5, 13 and 15; Modern Language, Philosophy 3-4. Election, three to nine hours.

GROUP C5. HISTORY. ADVISER, PROFESSOR GOODELL.

Freshman Year.—English 1-2, Philosophy 1, History of Art 2, German or French four hours throughout the year. Eight hours' possible election in each semester. A year's work in some science must be taken in this Group, preferably in the Freshman year.

Sophomore Year.—History 1-2, and 6. German and French throughout the year. Election, eight hours first semester, four hours second semester.

Junior Year.—English 3-4, History 3-4 and 7-8. (Optional for Shepardson College students.) Election, eight to ten hours first semester, six to eight hours second semester.

Senior Year.—English 5, Philosophy 3-4, History 5 and 13, (History 13 optional for Shepardson students). Election, six to eleven hours first semester, six hours second semester.

GROUP C6. MATHEMATICS. ADVISER, PROFESSOR GILPATRICK.

Freshman Year.—Mathematics 1-2, English 1-2, Philosophy 1, History of Art 2, an Ancient or Modern Language four hours each semester. Election, four to six hours each semester. (One foreign language to be pursued through the Freshman and Sophomore years, 16 units, and not less than 8 units more of foreign language work to be elected during the course.)

Sophomore Year.—Mathematics 3-4; continuation of foreign language chosen in Freshman year, four hours each semester; History or Science, four hours each semester. Free election, three to six hours each semester.

Junior Year.—Mathematics 5-6, English 3-4, a foreign language, four hours each semester. Free election, four to seven hours each semester.

Senior Year.—Mathematics 7, first semester; Astronomy 2 or Mathematics 8 or 10, second semester; English 5, Philosophy 3-4. Election, seven to ten hours each semester.

GROUP C7. PEDAGOGY. ADVISER, DEAN LOVERIDGE.

Freshman Year.—English 1-2, Philosophy 1, Mathematics 1-2, History of Art 2; one foreign language through the year.

Free election, three to five hours each semester. One year's work in science must be taken in this group.

Sophomore Year.—History 1-2. One language and one science through the year. Free election, four to six hours.

Junior Year.—English 3-4, Pedagogy 1-2, History of Art 3, and 4 or 6, History 8. One to four hours elective.

Senior Year.—English 5, Philosophy 3-4, Pedagogy 3-4, History of Art 4 or 6. Three hours elective.

GROUP CS. MUSIC. ADVISER, MR. WOOD.

Freshman Year.—English 1-2, Philosophy 1, German or French 1-2 (8 units), Music 3-4 and 17, History of Art 2. Election, three to six hours each semester.

Sophomore Year.—German or French continued (8 units), History 1-2, Music 7-8. Free election, three to six hours each semester.

Junior Year.—English 3-4, History of Art 3, and 4 or 6, Music 9-10 and 11-12. Free election two to four hours. (Eight units of a foreign language must be completed subsequent to German or French of Freshman or Sophomore years.)

Senior Year.—English 5, Philosophy 3-4, Music 5-6 and 13-14. Free election, four to eight hours each semester (see under Junior Year.)

N. B.—A certain minimum of musical technique is requisite in the theoretical courses in advance of Music 4, and a student with no practical knowledge of music may be required to pursue the study of the pianoforte not less than two semesters. The work in Sight Reading and Ear Training (Music 1-2) is also recommended, and may under some circumstances be required of Freshmen in this group. For details of the courses in music, consult the announcement of the Conservatory of Music in this catalogue. The completion of the foregoing group does not entitle the student to the regular Conservatory Diploma, the requirements for which are stated elsewhere.

II. Shepardson College

HISTORICAL STATEMENT.

For several years prior to 1900, under joint agreement of the authorities of the two schools, the facilities of Denison University, including instruction, were largely accessible to the students of Shepardson College. The practical working of this arrangement gradually pointed the way to a still closer union, making it possible to offer to both daughters and sons of the patrons of the two schools an education in all respects equal, and receiving equal recognition under completion.

In June, 1900, following these indications of practical experience, such a union was effected. The courses of Denison University, its class rooms, its material equipment and its degrees, were opened to the students of Shepardson College on exactly the same terms as to young men. While Shepardson College thus became a department of the University, co-ordinate in all scholastic matters with Granville College, it still retains its legal identity, and offers on its own account one course, differing from any of the courses of the University and leading to the title of Associate in Literature.

As the Boards of Trustees and the course of instruction (with the exception just noted) are now the same for Granville College and Shepardson College they are not here repeated, but may be found with other general information, in the preceding pages of the catalogue.

OFFICERS OF INSTRUCTION AND GOVERNMENT.

EMORY W. HUNT, D. D., LL. D., President.
Intellectual and Moral Philosophy.

BLANCHE G. LOVERIDGE, PH. B., Dean.
Pedagogy and History of Art.

JOHN L. GILPATRICK, PH. D.,
Mathematics.

RICHARD S. COLWELL, D. D.,
Greek.

GEORGE F. MCKIBBEN, PH. D.,
Romance Languages.

CHARLES L. WILLIAMS, A. M.,
Rhetoric and English Literature.

WILLIAM H. JOHNSON, A. M.,
Latin.

WILLIS A. CHAMBERLIN, PH. D.,
German.

CHARLES E. GOODSELL, A. M.,
History.

FRANK CARNEY, PH. D.,
Geology and Mineralogy.

ARTHUR M. BRUMBACK, A. M.,
Chemistry.

GEORGE E. COGHILL, PH. D.,
Zoology.

ELLIS E. LAWTON, PH. D.,
Physics.

MALCOLM E. STICKNEY, A. M.,
Botany.

THEODORE S. JOHNSON, M. S.,
Engineering.

- ANNA B. PECKHAM, A. M.,
Mathematics.
- CLARENCE D. COONS, M. S.,
Physics.
- RAYMOND W. PENCE, A. M.,
English.
- BUNYAN SPENCER, A. M.,
Logic.
- CLARA A. DAVIES, M. S.,
Science.
- CORNELIA A. MONTGOMERY, A. B.,
English.
- AUGUST ODEBRECHT, A. M.,
Modern Languages.
- CARL PAIGE WOOD, A. M.,
Theory of Music.
- LAURA B. PARSONS,
Drawing.
- MARGARET JEAN CALVIN, A. B.,
Latin.
- HELEN K. HUNT, B. PH.,
Mathematics.
- MARY L. MCKIBBEN, B. PH.,
French.
- NELL CHASE, A. B.,
Physical Training.
- JANE ALICE IRWIN,
Domestic Science.
- MRS. ALICE K. HERRICK,
Matron.

ELMER E. HOPKINS, A. B.,
Treasurer.

MARY H. HUNT, A. B.,
Assistant to the Treasurer.

ANNA B. PECKHAM, A. M.,
Secretary to the Faculty.

KATHERINE COURTNEY,
Secretary to the Dean.

MRS. LAURA A. SWARTZ,
Director of Dining Hall.

WOMEN IN CHARGE OF COLLEGE HOUSES.

Burton Hall.....	MISS LOVERIDGE
King Hall.....	MISS PARSONS
Stone Hall.....	MISS PECKHAM

COURSES OF STUDY AND DEGREES.

The courses of study of Denison University, and its degrees, are all open to students of Shepardson College on equal terms with young men, and a detailed statement of studies offered in the various departments of instruction, with conspectus of courses leading to the several degrees, will be found on pages 41-86.

In addition to these courses Shepardson College on its own account offers the title of Associate in Literature for the following course, based upon the same amount of preparatory work as is required for entrance to the Freshman Year in the University courses:

FIRST YEAR.

NAME OF COURSE	COURSE NUMBER	HOURS PER WEEK
<i>First Semester—</i>		
French or German.....	F. 1	4
Philosophy.....	Ger. 1	4
Rhetoric and American Literature.....	Ph. 1	1
Science or Mathematics.....	E. 1	3
*Elective.....		3 or 4
		3 to 5
<i>Second Semester—</i>		
French or German.....	F. 2	4
Science or Mathematics.....	Ger. 2	4
Rhetoric and American Literature.....	E. 2	3
*Elective.....		4 or 5

SECOND YEAR.

NAME OF COURSE	COURSE NUMBER	HOURS PER WEEK
<i>First Semester—</i>		
French or German.....	F. 3	4
English Literature.....	Ger. 3	4
History of Art.....	E. 3	3
*Elective.....	H. A. 3	4
		5
<i>Second Semester—</i>		
French or German.....	F. 4	4
English Literature.....	Ger. 4	4
History of Art.....	E. 4	3
*Elective.....	H. A. 4 or 6	4
		5

*The elective for which provision is made throughout this course must be history, English, music or art. The music or art must be sufficiently advanced to be regarded as college and not preparatory work, this of course to be determined by the Faculty.

It should be understood that the certificate given at the completion of this course entitles one to full credit for all work done except in music or art, in any one of the University Courses, should the student subsequently compete for a degree.

ROOMS AND BOARD.

Non-resident students board and room in the College, unless other arrangements have been made with the college authorities. Students may not room in the village and board at the College dining-hall so long as there are vacancies in the dormitories.

Hereafter, no reduction in board can be given to students returning to their homes over Saturdays and Sundays.

Teachers and students living on the College grounds, take meals in the Dining Hall.

Each student must furnish napkin and napkin ring, towels, sheets, pillow cases and bedding for single or double bed, so that two room-mates may together furnish all needful bedding. Size of pillows, 22x27 inches. Those who desire may provide window drapery, table spreads, etc. All articles of clothing and bedding must be marked with the owner's name in full. Baggage should be plainly marked, "Shepardson College," to insure prompt delivery.

In order to secure a room in advance, a retaining fee of five dollars must be deposited by each student with the Treasurer of the College. No room is regarded as engaged until this fee is in the Treasurer's hands. This sum will be applied on the bills of the first semester, unless the student fails to take the room, in which case it is forfeited. Those wishing a choice of room should apply early. Engagement of rooms in advance is understood to be for the year, unless otherwise stipulated.

Rooms engaged at the close of the school year will not be held later than July 1, unless the retaining fee has been paid.

ADMISSION.

Owing to the fact that it has been found impossible to accommodate all applicants for admission to Shepardson College it is deemed best to give precedence to college students. Accordingly, hereafter no reservation of rooms for preparatory

students not already in Shepardson College will be made before August 1.

Students who have completed any of the regular courses in the Shepardson Preparatory Department are admitted to the Freshman Year of the corresponding course upon their certificates. For those who have prepared elsewhere, the conditions of admission are indetical with those of Granville College. See page 34.

The preparatory course requires four years and is substantially identical with the course of Doane Academy. The first two years of this course, however, will not be offered by the Shepardson Preparatory Department, but must be completed before entrance. A full statement of the work of the Preparatory Department, its requirements, etc., will be furnished on application.

Only such regulations are imposed as are necessary to maintain health and order. It is the endeavor of the College to develop self-knowledge and self-control. The government is educational rather than restrictive. With this in view a system of Student Government has been adopted, having for its province the conduct of young women in the various college houses. The conduct of the young women with reference to all social engagements is under the control of the Faculty.

MORAL AND INTELLECTUAL INFLUENCES.

Without placing any restraint upon the denominational preferences of its pupils, the College aims to surround them with salutary Christian influences. Attendance on the daily Chapel exercises and the usual Sunday service is required, but no restriction is placed upon the pupil's choice of a regular place of worship. A students' prayer-meeting is held every Monday evening. Students and teachers unite in the Young Women's Christian Association, and in classes organized for systematic Bible study.

There are two literary societies for students in college classes, the Euterpean and Philomathean, and one for the students of Shepardson Preparatory School, the Adelphean.

The Marsh Memorial Library in King Hall, established by Dr. and Mrs. Shepardson in memory of their daughter, Mrs. Lide Shepardson-Marsh, contains a valuable collection of books for Bible and missionary study; also dictionaries, encyclopedias, and other helps for general study. This library is constantly being increased by gifts from the family and friends of Mrs. Marsh.

The Reading Rooms in Burton Hall are supplied with current literature, and in addition to the University Library a special Reference Library is maintained on the Shepardson College grounds, for the convenience of its students and teachers.

PHYSICAL TRAINING.

Miss Chase,

The Physical Training for young women is under the personal instruction of the physical director and consists of graded class work in gymnastics through two and one-half years. The four credits given for this work are required for graduation except of those who are excused from gymnastics by a physician. An advanced physical training class is offered those who desire to specialize in this line. Instruction in swimming, tennis, basket-ball and archery is free to all. These sports, together with walking, afford the daily exercise expected of each student resident in college halls. A physical examination is given every woman who enters the preparatory or college department by the director before she can begin the gymnasium work, and if necessary, corrective exercises are prescribed to meet her special needs. The aim throughout is to meet the individual physical needs of the students.

SCHOLARSHIPS.

A number of scholarships are available for the use of students in case of necessity, provided they maintain an honorable standing in classes and live an exemplary life.

It is understood that pupils holding scholarships, if called upon, will render some service to the college. Such service, however, will in no way conflict with the pursuance of regular studies.

EXPENSES.

No student is enrolled in any department until settlement has been made with the Treasurer and Registrar.

All bills are payable at the beginning of each semester, but students having bills amounting to more than \$25.00 may pay one-half at the beginning of the semester, or within two weeks, and the balance at the middle of the semester.

A fine of fifty cents, known as Delinquent's Fee, will be imposed upon students for the first day their bills remain unsettled after the date set for payment, seventy-five cents the second day and an additional twenty-five cents for each succeeding week.

It is understood that all registrations are for the entire semester and the bills for the same are therefore incurred. No rebate from the semester bills is given except in case of illness, when the following rebates will be granted:

FOR STUDENTS IN SHEPARDSON COLLEGE, a rebate of \$12.50 on College tuition (\$10.00 on Preparatory tuition) will be granted to those only who leave by the middle of the semester; in addition to this, a rebate of \$3.00 per week on board will be granted to RESIDENT STUDENTS leaving before December 15th of the first semester or April 15th of the second semester. After these dates no rebates will be given.

NO REBATE WILL BE GRANTED ON ROOMS UNDER ANY CONSIDERATION.

FOR STUDENTS in the CONSERVATORY OF MUSIC and ART DEPARTMENT, a rebate of one-half the tuition charge (no rebate on fees) will be granted only to those leaving before the middle of the semester.

For students taking six hours work or less per week in the Literary Department only, the charge will be \$10.00 less for college students and \$8.50 less for preparatory students than the full tuition charge.

Students taking less than ten hours per week in the Literary Department and full time in the Conservatory of Music will be charged at the rate of \$2.50 per semester hour in the Literary Department.

For students taking more than eighteen hours per week in the Literary Department, a charge of \$1.00 per semester for each extra hour is made.

Meals sent to rooms will be charged extra.

Any breakage or injury to furniture or room will be charged to the occupants of the room.

No student will be permitted to register for future work until all bills due the College have been paid.

EXPENSES PER SEMESTER.

All college expenses (outside the Conservatory of Music and the Art Department) are combined in one sum, which includes room-rent, board, tuition, and all fees except laboratory fees, as follows:

For college students occupying second floor rooms.....	\$140 00
For college students occupying third floor rooms.....	132 50
For non-resident college students.....	40 00

For students in Shepardson Preparatory Department the charges are \$3.00 less in each case than in the college classes.

EXTRA EXPENSES.

Matriculation fees are as follows: Freshman Class, \$2; Sophomore, \$3; Junior, \$4; Senior, \$5. No matriculation fee is charged to students entering with diplomas from the Shepardson Preparatory School.

Students absenting themselves from the regular examinations are charged a fee of \$2 for each special examination.

Certain laboratory courses in Natural Science have fees attached, to cover cost of materials and breakage. For college

classes these fees will be found with statement of the individual courses in the various departments. For preparatory courses in Physics, Physiology and Botany, the fee is \$2.00 per semester; in Chemistry, \$3.00. Fee for late registrations, fifty cents on second day of the semester, and one dollar after the second day.

Diploma fees are as follows: Collegiate, \$5.00; Preparatory Department, \$2.00; Conservatory of Music, \$2.00; School of Art, \$2.00.

Preparatory Department

The students of the Preparatory Department of Shepardson College are not separated from those of the College, except in class-room. In the homes they mingle freely, living side by side, enjoying the same friendships, pleasures and privileges. This intimate association is helpful to all, but especially so to those of less experience.

ENTRANCE.

It is important that those entering for the first time should come the day before the opening of the first semester for examination and classification.

Though students may enter at the beginning of either semester, much is to be gained by entering the work at the opening of the year.

Each student in ordinary health is expected to take three regular studies,—or their equivalent in music or art,—and do the usual amount of reading and rhetorical work.

Each instructor keeps a constant record of the work of each pupil, and reports the same to the Registrar at the close of the semester. The standing is indicated as follows: The letter A opposite a student's name indicates that her work for the semester, including examination, has been *excellent*; B, that it has been *good*; C, *fair*; D, *poor*. The letter E indicates that the work has been too poor to receive credit until some *condition*, imposed by the instructor, has been fulfilled; and F indicates a complete *failure*.

EXAMINATIONS.

At the close of each semester written examinations are held but those who, during the semester, have maintained an A standing may be excused from such tests, with the rank of *honor students*. In order to secure this grade, pupils should have no unexcused absences.

SCHOLARSHIP PRIZES.

Through the kindness of an alumnus of the University, two prizes are offered, consisting of keys of the Kappa Zeta Honorary Society, to which the two graduates highest in scholarship are elected each year.

RELIGIOUS EXERCISES.

All students of the College are required to attend morning Sabbath service and Sabbath School.

Classes in Bible Study meet regularly, and are open to all members of the College.

COURSES OF STUDY.

The preparatory course required for entrance to college classes consists of four years of work, and is identical in the main with the course of Doane Academy. The first two years, however, are not offered by the Shepardson Preparatory Department, but must be completed before entrance. A full statement of the work of this department will be furnished on request.

Hours of Recitation

		7:40	8:40	10:00	11:00	1:30	2:30
THIRD YEAR	Classical	Geometry 5	Greek I. 5	English III. 3 M. W. F.	Latin III. 5		
	Scientific	Geometry 5	(French I. 4) Chemistry Lab. Tu. & Th. Rec. M. W. F.	(German I. 4) Chemistry Lab. Tu. & Th. English III. 3	(Latin III. 5)	(German I. 4) (French I. 4) Phys. Geog. Laboratory 2	Physical Geography 5
	Philosophical	Geometry 5	(Chemistry Lab. Tu. & Th. (Rec. M. W. F.) (French I. 4) (Greek I. 5)	(Chemistry) Lab. Tu. & Th. (Rec. M. W. F.) (German I. 4) English III. 3	(Latin III. 5)	(German I. 4) (French I. 4) (Phys. Geog. Laboratory 2)	(Physical Geography 5)
FOURTH YEAR	Classical		Latin IV. 5	(Dobblers') (Greek 5)	Greek II. 5 (Physics 1st Sem. 2½)	(Solid Geom. 1st sem. 2½) Algebra II. 2½	English IV. 4
	Scientific		(Latin IV. 5)	Lab. Tu. & Th. (German II. 4)	Physics Lab. Tu. & Th. Rec. M. W. F.	Physics Lab. Tu. & Th. (French II. 4) Solid Geom. 1st sem. 2½ Algebra II. 2½	Physics Lab. Tu. & Th. English IV. 4
	Philosophical		(Latin IV. 5)	(Dobblers') (Greek 5) (German II. 4)	(Greek II. 5) (Physics 1st sem. 2½)	(Solid Geom.) (1st sem. 2½) (Algebra II.) (2½)	English IV. 4

III. Doane Academy

FACULTY.

H. RHODES HUNDLEY, A. M., Sc. D., Dean.
English and History.

BUNYAN SPENCER, A. M.,
Greek.

MALCOLM E. STICKNEY, A. M.,
Botany and Physiology.

FRANK CARNEY, Ph. D.,
Physical Geography.

ARTHUR M. BRUMBACK, A. M.,
Chemistry.

CLARENCE D. COONS, M. S.,
Physics.

AUGUST ODERBRECHT, A. M.,
French and German.

SAMUEL G. BRIDGES, A. B.,
Latin.

FORBES B. WILEY, A. B.,
Mathematics.

JOSEPH HAYES CORY,
English.

BUNYAN SPENCERRegistrar
AUGUST ODERBRECHTSecretary

HISTORY OF DOANE ACADEMY.

This school was organized in 1831, as a preparatory department of the Granville Literary and Theological Institution. As the latter developed first into Granville College and later into Denison University, the Preparatory Department remained a fundamental part of the institution. In 1887 it was organized as a separate school, with increased efficiency, under the name of Granville Academy. In 1894, Dr. William Howard Doane, of Cincinnati, presented the school with a beautiful and commodious building, and in recognition of this gift the Board of Trustees in 1895 changed the name to "Doane Academy."

AIMS.

It is the special aim of the Academy to bestow the best quality of instruction preparatory to College. In addition to the preparatory work, however, the curriculum has been so arranged as to furnish to those not intending to pursue a course in College a first-class Academic education.

ADVANTAGES OF LOCATION.

The school is located at Granville, Licking County, Ohio, a village noted for beauty of surrounding scenery, healthfulness of climate, and intelligence and high moral character in its citizens. The quiet of the place is highly conducive to earnest study. The absence of saloons and all places of gambling and vice makes Granville an ideal place for young people. The social atmosphere is pure and elevating and offers to young men an opportunity for the cultivation of those graces which will enable them to appear well in good society.

CONNECTION WITH DENISON UNIVERSITY.

The Academy enjoys peculiar advantages by reason of connection with Denison University. The general comforts and conveniences of a plant more extensive and costly than a preparatory school might afford, are open without discrimination to students of the Academy. The Library of the University, the

privileges of Cleveland Hall, and the equipment of the Scientific Department are examples of these exceptional advantages. Besides these, the intellectual stimulus of association with the Faculty and the mature students of the College; unusual social privileges; opportunities in the way of lectures and entertainments; the courses of the Conservatory of Music and of the Art Department, are further illustrations of the advantage that accrues to the Academy through union with the greater institution.

ROOMS FOR STUDENTS.

Within certain limitations, the rooms in the college dormitories are available for Academy students.

The rooms are arranged in suites, each suite consisting of a study 12 by 15 feet, a bed-room 8 by 11 feet, and two small closets. Each suite is designed for two students.

The rooms have been recently refitted and provided with all necessary furniture. They are lighted with electric light and heated with hot water radiators, connected with the central heating and lighting plant. There are lavatories with hot and cold water, shower baths, etc., on every floor.

If any student prefers to room elsewhere, or if at any time he finds all the rooms in the dormitories assigned to others, he can always obtain pleasant rooms in the village, either furnished or unfurnished, at moderate cost.

Courses of Study

REGULAR COURSES.

There are three regular courses of study, the Classical, the Scientific, and the Philosophical, each extending through four years and leading to corresponding courses in the College. The holder of a diploma from the Academy is admitted to the Freshman Class of Granville College without examination or the payment of a matriculation fee.

Although these courses have been arranged with special reference to the curricula of the University, they will be found quite sufficient to prepare for entrance into any American college. An examination of the detailed scheme of these courses, found on following pages, will show that outside the required work sufficient electives are offered to insure conformity to individual needs.

ELECTIVE STUDIES.

When the reason seems to be sufficient, students are allowed to make a judicious choice of elective studies, but this choice is never permitted to interfere with the work of the regular classes in which studies may be elected.

Outline of the Work

ENGLISH.

The aim of the work in this department is to insure a thorough knowledge of English Grammar; give careful grounding in the fundamental principles of Composition and Rhetoric, supplemented by extensive practice in writing; meet the "College Entrance Requirements" in English Classics; and take an outline survey of English literature.

MATHEMATICS.

The work in Mathematics covers three years, five hours a week, divided equally between Algebra and Geometry. Algebra is given in the first year, five hours a week and extends through Quadratics. Algebra II is given five hours a week throughout the second semester of the fourth year and in addition to a thorough review, carries the subject through the progressions. An entire year is devoted to Plane Geometry giving time for extensive work in original exercises. One semester is given to Solid Geometry.

HISTORY.

A course in General History is offered in the first year. The scope of this work may be judged from the fact that Myers' latest texts in Ancient, Mediæval and Modern History are carefully covered. In the second year, English History is given three hours a week throughout the year.

LATIN.

The first year in this subject is devoted to a thorough mastery of the forms and underlying principles of the syntax of the language. In the second, four books of Cæsar or the equivalent are read, and a text-book course in prose composition is given. In the third year, Cicero's orations against Catiline and his *Manilian Law*, *Archias* and *Marcellus* are read, accompanied by a continuation of the course in prose composition. Six books of Virgil's *Aeneid* are read in the fourth year, supplemented by Ovid and courses in Mythology and prose composition.

GREEK.

The regular course in this subject includes two years, five hours a week, covering the ordinary first year of Greek, the usual amount of the *Anabasis*, and prose composition. For those preparing for colleges requiring more Greek for entrance, provision is made for taking the additional amount in connection with the Freshman Class in Granville College.

For the benefit of those who enter the advanced courses in the Academy or who enter the Freshman Class in the College desiring to take the Classical Course but lacking Greek, a so-called "Doubler's" class is organized which completes two years in one. Only students of tried ability and earnestness are allowed in this class, and a decline of grade below 80% immediately debars the delinquent from the class.

MODERN LANGUAGES.

Two years of French and two of German constitute the work of this department. French or German may be substituted for Latin in the last two years of the Scientific Course.

and a similar substitution of French, German or Greek will hereafter be allowed in the last year of the Philosophical Course; and while no work in this department is required, at present, in the Classical Course, it is hoped that no student will complete that course without at least one year of either French or German.

SCIENCE.

Four full years of Science are offered. Each course requires the conventional proportion of laboratory work. In the first semester of the second year, Physiology is given, and in the second semester, Botany. Laboratory and note-book work is required in both these courses. In the third year, strong courses in Chemistry and Physical Geography are given. Both consist of text-book, lecture and laboratory work. In Physical Geography, field work is also required. In the senior year, the subject of Physics is given, with regular weekly laboratory work throughout the year.

All the science work is done under the direct supervision of the heads of the respective departments in Granville College, and this fact, together with the exceptional equipment afforded by the connection of the Academy with Denison University, guarantees superior advantages in our Science Department.

Admission of Students

Although students are admitted at any time, they enter to the best advantage at the beginning of the school year. Those who desire to enter after the school year has begun should, by correspondence with the Dean, ascertain before-hand, as nearly as possible, the progress that has been made by the class which they propose to enter.

CONDITIONS OF ADMISSION.

The requirements for admission to the First Year Class are the usual eight grades of public school work, or the equivalent; and to advanced standing, the studies previously pursued by the class which the applicant desires to enter.

No student will be admitted who is not fitted to do well the work of the first year.

An applicant not personally known to some member of the Faculty must furnish testimonials of good character, and, if from another institution, he must present a certificate of honorable dismissal.

COURSE OF INSTRUCTION BY YEARS.

The following scheme of the studies of each course by years exhibits the work required for graduation in each together with the electives offered.

STATEMENT OF COURSES BY YEARS.

While in most cases four years will be absolutely necessary to complete the work required for graduation, it is not the policy of the school to hold back those who are clearly able to carry more than the yearly allotment. Exceptionally earnest, mature and capable students may in the four years complete all the Academy work and more or less of the Freshman year in College. The work of the Academy is so articulated with that of the College as to make this plan quite feasible, and in this way it may be worked frequently to shorten the combined work of the Academy and College courses by at least a year.

	CLASSICAL	Hours Per Week	SCIENTIFIC	Hours Per Week	PHILOSOPHICAL	Hours Per Week
FIRST YEAR	Latin I, (1st Book).....	5	Latin I	5	Latin I	5
	Algebra I (Through Quadratics) ..	5	Algebra I	5	Algebra I	5
	History I (Ancient, 1st semester; Mediaeval and Modern 2d).....	5	History I	5	History I	5
	English I (Review Grammar and Elementary Composition)	3	English I	3	English I	3
SECOND YEAR	Latin II (2d Latin Book) Caesar and prose composition.....	5	Latin II	5	Latin II	5
	Science I (Physiology 1st semester, and Botany 2d).....	5	Science I	5	Science I, or French I, or Ger. I	5
	or		English II	4	English II	4
	French I or German I.....	5	History II	3	History II	3
	English II (Rhetoric and Classics)	4				
	History II (English).....	3				
THIRD YEAR	Latin III, (7 of Cicero's Orations and Prose Composition).....	5	Latin III or French I or Ger. I.	5	Two of Latin III or.....	5
	Greek I(1st Book).....	5	Science II (Physical Geogra- phy or Chemistry).....	5	Greek I, or French or German or Science II.....	5
	Plane Geometry	5	Plane Geometry	5	Plane Geometry	5
	English III, (Rhetoric and Classics)	3	English III	3	English III	3
FOURTH YEAR	Latin IV, (Virgil and Prose Comp.)	5	Latin IV, or French I or II, or German I or II.....	5	Latin IV, or French I or II, or Greek II, or French I or II, or German I or II.....	6
	Greek II, (Anabasis and Prose Composition).....	5	Solid Geometry, 1st semester, and Algebra II, 2nd.....	5	Chem. or Phys. Geog., or Phys- ics, or Solid Geometry, 1st semester, and Algebra II, 2d.	5
	Chemistry or Physical Geography, or Physics, or Solid Geometry, 1st semester; and Algebra II, 2d	5	Physics,	5	English IV	4
	English IV, (Literature).....	4	English IV	4		

Class Work

REGULARITY AND PUNCTUALITY.

Every student, unless excused for special reasons, is expected to attend at least three recitations each school day. His attendance on these and on the special or public exercises of the class or of the Academy must be punctual.

Parents are especially urged to encourage students to be present at the opening of the session, and to remain at their work till its close. Absence from the duties of the school, whether occasioned by absence from town or by the entertainment of friends, is subversive of the highest good of the student. His pleasure, or that of his friends, should never be permitted to interfere with his daily duties.

RECITATION PERIODS AND UNITS OF CREDIT.

The recitation periods are *one hour in length*, and a *unit of credit* is made by five hours of recitation a week throughout a year. Fractions of units are determined upon this basis.

It will be seen from the "Course of Studies by Years," exhibited on page 107, that fourteen and two-fifths units are required for graduation, but a student desiring to do so may increase this number of units to a considerable extent. This opportunity affords a special advantage to those who need to adjust their preparatory work to the entrance requirements of other colleges; while those who expect to enter Denison may, in general, secure 50% college credit for all such additional work.

EXAMINATIONS.

Examinations are held at the close of each semester, and at intervals during the semester, at the discretion of the instructor. If a student's grade for a given semester in a given class falls below seven-tenths of the maximum, he forfeits his right to continue as a member of the class. In determining his grade, his examination mark has half the power of the average of his

term marks. Regularity in work, good conduct, spelling and diction are considered as elements in making up the student's standing.

RULES FOR EXAMINATIONS.

1. All students, whether candidates for the diploma of the Academy or not, are required to attend all examinations in the studies they pursue, unless excused by merit.

2. No student whose examination in any study is reported as "*Incomplete*," will receive credit for that study until after the examination has been completed. In case, however, the examination be not completed within one year, the unfinished study will be regarded and treated as "*Not Passed*."

3. Any student reported as passed "*Conditionally*" in any work, must remove the condition within one year from the date of the examination in which it was incurred, otherwise he shall be regarded and treated as "*Not Passed*."

4. Any student reported as "*Not Passed*" in any study will receive no credit for that study until he has again pursued it as a regular class exercise, and has passed the regular examination in the same.

5. Giving or receiving aid in any examination is deemed grossly immoral, and will be visited with severe punishment.

6. Any student who is absent from examination, without consent previously obtained, must present to the Faculty a written statement of the cause of his absence; and the reason must be accepted as sufficient before he can enter his class.

7. A student who, having been absent from a regular examination in any class, applies for a special examination, or any student who takes an examination for the removal of a condition, must present to the instructor the Treasurer's receipt for the examination fee before receiving credit for such special examination.

RULES GOVERNING ABSENCES FROM CLASS EXERCISES.

I. If a student shall be absent no more than five times from any class exercise during one semester, these absences shall be treated as excused.

II. The absences in excess of five shall be treated as *excused or unexcused*, at the discretion of the instructor.

III. When a student has been absent more than five times from any class, if these absences have been consecutive, he shall be required to pass an examination upon the part of the work covered by the period of absences; if the absences have occurred at different periods during the semester, the examination shall be upon such part of the work of the semester as the instructor shall determine. The student's standing for the period of absences shall be determined by his examination.

IV. These examinations shall not be considered special examinations in the sense of requiring an extra fee.

V. Every student who shall have been present at every recitation of a class during the semester shall have his three lowest marks in that class changed into that mark above 70 of which he has the greatest number.

REPORTS.

At the close of each semester of study the Secretary of the Faculty mails to the parent or guardian of each student in the Academy a report of the standing attained by such student in each study pursued during the semester, together with a record of his absences and deportment.

Reports concerning individual students will also be furnished by the Dean at any time upon the request of the parent or guardian.

SCHOLARSHIP PRIZES.

Alpha Delta Tau.

In the Spring of 1910 Doane Academy was honored by being granted the Theta Chapter of Alpha Delta Tau, the honorary fraternity for preparatory schools corresponding to Phi Beta Kappa in colleges. From the upper fifth of each graduating class a certain number are elected to this society each year, and the distinction which such an election confers provides an important stimulus to excellence in scholarship, as well as an appropriate reward for such excellence.

Through the generosity of one of Denison's most loyal alumni, two scholarship prizes have been offered. These prizes consist of Alpha Delta Tau badges, emblems of the Honorary Society to which the valedictorian and salutatorian, the two graduates who are highest in scholarship, are elected each year.

IRVING-CICERO LITERARY PRIZE CONTEST.

For several years a spirited and friendly rivalry has existed between the two literary societies of the Academy. As a result of this the societies held for several years a public contest with no reward in view except that of the honor of being victor.

To stimulate the desire for honor and to encourage faithful work in the societies, the Faculty of the University adopted the following resolutions:

1. That the contest be held between the holiday recess and the close of the first semester of each year.
2. That the winners of the contest in Declamation and Essay be granted each a scholarship for the first semester of the next school year.
3. That the winners of the contest in Oration and Debate be granted each a scholarship for the two successive semesters following that in which the contest is held.

SHERWIN PRIZES.

H. A. Sherwin, Esq., of Cleveland, has established in the Academy a first and second prize of \$50 and \$25, respectively. These prizes are unique in their terms. The conditions of award are changed every year, and are announced only at the close of the year. Excellence in general scholarship with personal merit, excellence in Greek, excellence in Latin, and acquaintance with matters of current interest have been made the basis of award in the different years since the prizes were established.

ATHLETICS.

Besides holding membership in the general athletic Association of the University entitling them to all the privileges of that organization, the students of the Academy have their own athletic association and maintain their own teams in the various branches of sport. Their athletics are supervised by a board of athletic control and a graduate manager. Contests in football, basket-ball, and baseball are held with the more important high schools in this section of the State.

Graduation Appointments

THE HONOR MEN.

The member of the graduating class whose average standing in the studies of the Junior Year and the first semester of the Senior Year is highest, is the last speaker on the programme of Graduation Day, and is called the Valedictorian. To the member of the class whose rank is next highest, is given the first place on the programme with the title of Salutatorian. No student who has not recited with the classes of the Academy in at least eight full studies during these three semesters can receive either of these appointments.

OTHER SPEAKERS.

Every student who is eligible to the Diploma of the Academy writes an oration, and, having signed it with a fictitious name, hands it to the Dean of the Academy before April 15. The orations thus prepared are read to a committee whose members are ignorant of the authorship of the productions, and those four that are considered best are selected as the orations to be presented at the graduating exercises of the Academy.

EXPENSES.

The following is a summary of the principal necessary expenses during the Academic year:

Tuition, \$22.50 each semester.....	\$45 00
Room rent, including furnishing, lighting, heating and care \$17.50 to \$25.00, according to location.....	\$35 00 to \$50 00
Incidentals, including Gymnasium and Library fees, \$20.00 each semester.....	40 00
Books.....	12 00
Board, 39 weeks.....	90 00
Washing.....	12 00
Incidentals.....	10 00
Total.....	\$244 00 to \$259 00

The Laboratory fee for students in *Physics*, *Physiology* and *Botany* is \$2.00 per semester; for *Chemistry*, \$3.00, and for *Physical Geography*, \$1.00.

The fee for Diploma at Graduation is two dollars.

Fee for late registration, 50c on second day of the term and \$1.00 after the second day.

A fee of \$2.00 is charged for each special examination.

Board in clubs costs from \$2.35 to \$2.75 per week; in families, \$3.00 to \$4.50. When board costs over \$2.35 per week, the excess must be added to the estimate given above. Many students reduce their expenses below that sum. Rooms in the village are always to be had at prices ranging from 50 cents per week up. In the estimate above, reference is made to rooms in the dormitories, and includes heat, light, furniture and baths.

All bills are payable at the beginning of each semester, before students take their places in their classes. Any student compelled by sickness to leave by the middle of the semester will have one-third of semester bills refunded.

The really necessary expenses of a student for a year, exclusive of clothing and traveling, are about \$250.

Miscellaneous

GOVERNMENT.

It is the desire to establish and maintain a relation of confidence between teacher and pupil, and to stimulate those sentiments which mature into Christian manhood. Students are encouraged in self-government, and to this end the greatest possible freedom is accorded them; but they are continually taught the difference between liberty and license, and the duty of practicing that self-denial which is necessary to the highest good both of themselves and of their fellows. While it is the aim of this school to do all the good possible to every student, it is in no sense a reform school, and no student whose influence is found to be injurious will be suffered to remain.

MORAL AND RELIGIOUS INFLUENCES.

The whole life and administration of the school, without being sectarian, are pronounced and positive in favor of the Christian religion. The exercises of each day include Scripture reading and prayer in the Chapel. This service the students are required to attend. They are also expected to attend Church twice each Sunday. Two regular weekly prayer meetings are sustained by the students. Members of the Academy are made welcome in the various Sunday Schools of the village. In the Baptist Sunday School, several classes, taught by College and Academy Instructors, are intended expressly for students.

SCHOLARSHIPS.

By a vote of the Board of Trustees, the President of Denison University may remit the tuition of a limited number of students in cases of necessity. A few scholarships, surrendered by the original purchasers, are under the control of the Faculty, and are assigned by them at the beginning of each year.

VOLUNTARY SOCIETIES.

There are connected with the Academy and conducted by the Students, two literary societies—the Ciceronian and the Irving. Each society has its own hall, which is neatly and tastefully furnished, and in which it holds weekly meetings.

The students of the Academy are also admitted to membership in the Denison University branch of the College Y. M. C. A., in the Scientific Association and in the Athletic Association of Denison University.

PUBLIC EXERCISES.

During the year the Literary Societies each hold three special public meetings—an "Extra" at about the time of the Thanksgiving recess, an "Annual" during the Winter, and a "Commencement" toward the close of the year. The graduating exercises of the Academy are held during the Commencement week of Denison University. Members of the class completing the work of the Academy participate in the programme. The diploma of the Academy is given to each student who completes in a satisfactory manner any of the regular courses of study.

DISMISSION.

No student who leaves the school before the close of a semester will be considered as having honorably severed his connection with the Academy unless he has been duly dismissed by the Dean.

Any further information may be obtained by communicating with the Dean of the Academy.

Honors and Prizes for 1910

SCHOLARSHIP PRIZES,

Alpha Delta Tau Badges.

First Honor	George Ferguson Finnie
Second Honor.....	Lester Edwin Mitchell

ELECTION TO ALPHA DELTA TAU.

George F. Finnie,	Ellis B. Downey,
Lester E. Mitchell,	Walter L. Jordan,
R. Monte Warner.	

SHERWIN PRIZES.

Basis of Award, Purity of Life.

First Prize, \$50.00.....	Ellis B. Downey
Second Prize, \$25.00.....	Nelson G. Rupp

COMPETITIVE ORATION.

Carmi L. Warner.

CICERO-LIVING CONTEST.

Declamation	Rolla W. Cochran
Essay	Carmi L. Warner
Oration	Ellis B. Downey
Debate	Lester E. Mitchell

Schedule of Recitations

		7:40-8:40	8:40-9:40	10:00-11:00	11:00-12:00	1:30-2:30	2:30-3:30
FIRST YEAR.		Latin I. 5	Algebra I. 5	History I. 5		(Latin I. 5)	English I. 3 M., W. & F.
SECOND YEAR.		History II. 3	Latin II. 5	(German I)	English II. 4	(Laboratory 2)	Physiology 5 1st sem. Botany 5 2nd sem.
THIRD YEAR	Classical	Geometry 5	Greek I. 5		Latin III. 5	English III. 3 M., W., & F.	
	Scientific	Geometry 5	(French I) Chemistry Lab. Tu. & Th.	Chemistry 5 (German I)	(Latin III. 5)	(German I.) English III. 3 (Laboratory 2) French I)	Physical Geography 5
	Philosophical	Geometry 5	(French I) (Lab. Tu., Th.)	(Chemistry)	Latin III. 5	English III. 3 (Laboratory 2)	Phys. Geog., 5
FOURTH YEAR	Classical		English IV. 4	Doublers' Greek 5 (Greek III)	Greek II. (Physics Algebra II. 5 1st sem. 2½)	(Solid Geom. 1st sem. 5) Algebra II. 5 2nd sem.	Latin IV. 5
	Scientific		English IV. 4	(Laboratory 2) (German II. 5)	Physics 5 Lab. Tu. & Th. Rec. M., W., F.	(French II) (Solid Geom. 1st sem. 5) Algebra II. 5 2nd sem.	(Latin IV. 5)
	Philosophical		English IV. 4	(D's Greek, 5) (Laboratory 2) (Greek III. 4) German II. 5	(Physics 1st sem. 2½)	(Solid Geom. 1st sem. 5) and Algebra II. 5 2nd sem.	(Latin IV. 5)

IV. Conservatory of Music

FOREWORD.

Music in some form has always been taught in the various educational institutions of Granville. For many years the work was semi-private in character, but growing constantly larger and more important, was taken under the management of Shepardson College for women. The rapid growth of the work led to the acquisition of a suitable building for teaching and practicing, and the building of Recital Hall adjoining. In 1900, the College and University were united, making it a coeducational institution and the Conservatory of Music was separated from Shepardson College, becoming a co-ordinate part of Denison University proper. Thresher Hall, the Conservatory building, is now too small for all the demands upon it, and until a new building can be obtained practice pianos are placed in nearby buildings.

Musical instruction in the college curriculum has long ceased to be an experiment. Each year more colleges and universities all over the country are recognizing music in one or more of its branches as a legitimate and desirable part of a liberal education. Denison University has been notably progressive in this regard, first by granting college credit for work done in the theoretical course of the Conservatory, on an equal footing with any other elective study, and secondly by establishing recently, under the group system described elsewhere, one group leading to the degree of B. Ph., with Theory of Music as the major subject. This close affiliation between College and Conservatory has greatly encouraged the increasing enrollment of students

from the literary department of the University who do not intend to become professional musicians, but who do wish to acquire a comprehensive knowledge of music without having to add the work to the full burden of the college course.

In most Conservatories the proportion of men students is small. This is probably the relic of an immemorial prejudice against the musician's profession, which occasionally takes the form of relegating music study to women, along with cooking and sewing. It is the aim of this institution to foster in every way a true sense of the dignity of music, both as a cultural study and as a branch of scholarship, and to bring the men students in the University into closer touch with its musical life.

In the Denison Conservatory of Music the endeavor has always been to require of students, especially candidates for the Conservatory Diploma, the broadest possible education, not only in music, but in other branches as well. No student can do satisfactory work in music without at least the foundations of a liberal education. Especial attention is therefore called to the academic studies required for graduation, as well as the comprehensive requirements in musical theory.

The large number of concerts and recitals given each year by outside artists, by members of the Faculty, and by the various ensemble organizations of the Conservatory, afford, it is believed, greater opportunities to hear good music well executed than are enjoyed by many larger schools of music.

Through strengthening of the course of study and broadening of the requirements for graduation, the standard of efficiency of graduates of the Conservatory is constantly rising. Recent additions to the curriculum enable the Conservatory to offer a course as thorough as that of any school in Ohio, and its diploma stands second to none.

FACULTY.

CARL PAIGE WOOD, A. M., A. A. G. O., Director.

Theory and History of Music.

Final Honors in Music, Harvard University. Pupil in harmony and composition of Professors John K. Paine, Frederick S. Converse, and Walter R. Spalding, and at the New England Conservatory with Wallace Goodrich. Pupil of Henry M. Dunham in organ. Associate of the American Guild of Organists, 1909.

FANNIE JUDSON FARRAR,

Head of Piano Department

Pupil in Piano of J. Emil Ecker, Toledo, Ohio; Constantin Sternberg, Philadelphia; Bertrand Roth, Dresden; Tobias Matthay, F. R. A. M. and Claude F. Pollard, A. R. A. M., London. Student in Vienna in 1894. Pupil in Musical Kindergarten of Mrs. Fannie Church Parsons, Chicago.

EDITH COX, A. B.,

Head of Voice Department.

Graduate of the Northwestern University School of Music.

ELIZABETH BENEDICT,

Organ and Piano.

Pupil of Harrison Wild, Chicago, Ill., in Piano and Organ. Pupil of Alexander Guilmant in Paris, summer of 1907. Colleague of the American Guild of Organists.

ORLEY HENRY SEE,

Violin, Orchestra.

Pupil of Arthur Judson, of New York; Franc Ziegler, of Columbus; Sol Marcossou, of Chautauqua, and Hugo and Emil Heerman, of Cincinnati. Member of Cincinnati Symphony Orchestra, season of 1910-1911. (Absent on leave, winter of 1910-1911.)

BERTHA ELIZABETH STEVENS,
Assistant in Piano.

Graduate of Denison Conservatory of Music, 1907. Pupil of Constantin Sternberg in Philadelphia.

INEZ WINDERS,
Assistant in Voice.

Pupil of Mrs. Inez Parmenter of the Detroit Conservatory, and of Mrs. E. T. Wilson in Columbus and Granville.

FRANCES COUP PYLE,
Violin.

Pupil of Franc Ziegler, in Columbus, and of Bernard Listemann, in Chicago.

CLARENCE D. COONS, M. S.,
The Physical Basis of Music.

Assistant Professor of Physics in Denison University.

RUTH ESTHER ROCKWOOD,
Assistant in Harmony.

Graduate of the Denison Conservatory of Music, 1910.

OFFICERS OF ADMINISTRATION.

EMORY W. HUNT, D. D., LL.D.,
President of the University.

ELMER E. HOPKINS, A. B.,
Treasurer of the University.
(Office in Doane Academy.)

CARL PAIGE WOOD, A. M.,
Registrar of the Conservatory.
(Office in Thresher Hall.)

ELIZABETH BENEDICT,
Secretary of the Conservatory Faculty.

BERTHA E. STEVENS,
Conservatory Librarian.

FANNIE J. FARRAR,
In Charge of Thresher Hall.

Departments of Instruction

A. Course in Piano.

B. Course in Voice.

C. Course in Violin.

D. Course in Organ.

E. Course in Theory and History. 1-2 Solfeggio; 3-4, General Theory; 5-6, History of Music; 7-8, Harmony; 9-10, Counterpoint; 11-12, Musical Form; 13-14, Canon and Fugue; 15-16, Composition; 17, Appreciation of Music.

F. Ensemble Classes: (a) Engwerson Choral Society, (b) University Orchestra, (c) String Classes, (d) Piano Classes, (e) Normal Training, (f) Denison Glee Club, (g) Shepardson Glee Club.

A. COURSE IN PIANO.

It is a difficult matter to specify a set course adapted to the needs of all pupils, so it has seemed best to suit the work to the individual requirements.

Great care is taken that the foundation work be most thorough, the understanding of the action of the instrument coming first, then tone production through the natural laws that govern it, followed by technical facility and velocity.

A good technic is absolutely essential to satisfactory piano playing, but should be considered as a means to an end, not an end in itself. The effort should always be toward artistic interpretation, which is impossible without an adequate technic.

The course includes the study of music of both Classic and Romantic composers, and to this is added the principles of expression, which, in connection with a good tone production, constitutes the secret of playing with expression, so far as this can be taught.

The foremost educators of the day regard music as "a noble and valuable branch of social and personal culture," and as only a small proportion of persons are specially gifted musically, the

effort is made to teach piano as a cultural study as well as a profession. Music is now coming to be regarded as an essential part of a well rounded education, and the intelligent study of the piano and its literature is found to result in a mental development as great as that gained through other academic work.

B. COURSE IN VOICE.

The object of this course primarily is correct placing of the voice so that the tones are even and firm throughout the entire range. Particular stress is laid on proper control of the breath, rhythm, and phrasing, together with enunciation and stage presence.

The exercises and songs used are selected according to the requirements of the individual for continual development in technical powers and interpretation. Use is made of the classic song literature in all schools, especially the German, and from our own American song writers. Advanced pupils study Schumann, Schubert, Franz, Brahms, Beethoven, and arias from the standard oratorios and operas.

C. COURSE IN VIOLIN.

Good tone production and clear intonation will receive a large share of attention, then will follow studies and special technical exercises to meet the needs of the individual. As the student becomes more and more proficient, pieces, sonatas, and concertos by the classic and modern masters will be studied.

It will be the purpose, throughout the course, to work not only for technical proficiency, but also for the higher and broader plane of artistic conception and interpretation.

The student will be encouraged and helped in ensemble playing. A string quartet is maintained, and pupils sufficiently advanced are admitted to the University Orchestra. The experience thus gained is by no means the least valuable part of the training.

D. COURSE IN ORGAN.

A certain facility at the piano and in sight-reading is necessary before the course can be entered, and this must be proved to the satisfaction of the instructor, who may prescribe such additional work as may seem advisable in preparation. A good organ touch, comprising legato and staccato playing, steadiness and smoothness of style, are the objective aims.

Rink's Organ School, Buck's Studies in Phrasing and Bach's Little Preludes and Fugues compose the ground work of study. This is followed by sonatas by Mendelssohn, Merkel, Guilman, selections by Widor, Dubois, Boellman, Lemare, Best, Hollins, Buck and Parker.

Special attention will be given to hymn playing, accompanying and registration to meet the practical needs of church work.

E. COURSE IN THEORY AND HISTORY.

In the so-called Theoretical classes the object is not so much to develop the latent powers of possible future composers, although this is provided for, as to educate all students in the intelligent appreciation and criticism of music. To this end, besides the more technical classes more general ones are offered, such as those in History and in Appreciation, requiring no previous musical training. Considerable time is taken in all the classes for the discussion and analysis of the best examples available bearing on the subject under discussion. At the same time, the emphasis is laid on technical study and original work, as being the best preparation for the study of the works of the masters.

In the classes in composition, from Harmony on, the laboratory method is mainly pursued. The students work out exercises on the board, subject to criticism and discussion by the instructor and the class. Students are constantly encouraged to make practical every-day application of their theoretical work in their other musical studies. College credit may be obtained for any of the courses except Solfeggio. The detailed announcement follows:

1,2. *Solfeggio*.—MISS COX.

Two half-hour periods per week, both semesters. Monday and Thursday, 3:30 P. M. This work, or a satisfactory equivalent, is required of students in the Diploma course in any department, and is prerequisite in all theoretical classes in advance of 6.

The pupil first learns to sing by syllable, in various rhythms, all intervals in the Major and Minor Scales. In this work his ear is trained and he is able to write from dictation melodic phrases, played or sung. At the close of the year drill is given in simple part songs.

3. *The Physical Basis of Music*.—ASSISTANT PROFESSOR COONS.

Two hours per week, first semester. Tuesday and Thursday, 2:30 P. M.

This is identical with Physics 17, and is a lecture course offered without prerequisite, either in music or science. The course is free to those paying full college tuition. To others a fee of five dollars is charged.

With the aid of the ample apparatus of the Department of Physics the laws of acoustics are studied, on which depend the production and the character of musical tones. The nature of scales, intervals, and chords is discussed, and a theoretical study is made of the construction and qualities of the various orchestral and other instruments.

4. *Elementary Theory*.—MR. WOOD.

Two hours per week, second semester. Monday and Thursday, 8:40 A. M.

This work, or its equivalent, is a required introduction to all higher courses. The elements of music are briefly summarized and the modern system of musical notation is studied in detail, including practice in writing the several diatonic and chromatic scale-forms, familiarity with the ordinary signs and directions used in music, and the analysis of rhythms. Ample practice is given in transposition and the use of all the clefs, including the notation of various instruments. The work concludes with an

elementary study of intervals and triads, with their inversions, preparatory to the course in Harmony. The text-book is "The Structure of Music," by G. C. Gow.

5, 6. *History of Music*.—MR. WOOD.

Three hours per week, both semesters. Monday, Wednesday and Friday, 1:30 P. M.

This is a literary course, and requires no special preparation beyond a practical knowledge of instrumental or vocal music. It is suggested, however, that it be preceded by course 4.

The work consists largely of independent reading and comparative study by the student, with written reports, tests and theses. The emphasis is laid on investigation of the far-reaching causes and effects of the various phases and the interrelations of the different periods in the evolution of the art, rather than on the memorizing of names and dates.

The history of music by W. S. Pratt is used as a reference work, supplemented by the Conservatory library of over three hundred volumes.

7, 8. *Harmony*.—MR. WOOD.

Three hours per week, both semesters. Monday, Wednesday, and Friday, 11:00 A. M.

Prerequisite, courses 1 to 4, or their equivalent. Knowledge of the pianoforte equivalent at least to the ability to play an ordinary hymn-tune at sight is necessary in the study of harmony.

Reviews of intervals and triads; dominant and secondary seventh chords with their inversions; passing notes; ninth chords; suspensions; augmented and altered chords; modulations; organ-point. The work consists of exercises on figured and unfigured basses, and the harmonization of melodies for three and four voices. These are written both on the blackboard and outside the class-room, and corrected and discussed by the instructor. After revision the exercises are copied into note books and kept for reference.

The text-book is "Modern Harmony" by Foote and Spalding. Prout's "Harmony" and others are used for supplementary exercises and examples.

9, 10. *Counterpoint*.—MR. WOOD.

Three hours per week, both semesters. Monday, Wednesday and Friday, 10:00 A. M. Prerequisite courses, 7—8.

Some proficiency in piano playing is necessary. The principles of harmony are applied to the melodious treatment of two or more voice parts in combination. The work includes free harmonization of choral melodies, two, three and four-part counterpoint in the several orders, contrapuntal and imitative treatment of subjects in different voices for organ or strings.

Spalding's "Tonal Counterpoint" is the text-book, with Prout as a work of reference, and examples from the works of Bach and others for analysis.

11, 12. *Musical Form*.—MR. WOOD.

Two hours per week, both semesters. Tuesday and Thursday, 10:00 A. M. Prerequisite, courses 7—8.

This course has for its ultimate aim the intelligent appreciation of music by the average listener as well as by the trained musician, and a wide acquaintance with the best in music. While it cannot be taken to advantage without a knowledge of harmony, it may by permission be taken in the same year as courses 7—8.

Study of thematic construction and elements of composition, consisting chiefly of the analysis (both in the class-room and independently by the student) of the principal instrumental forms, as illustrated by the works of the great composers, classic and modern. These works are, so far as is possible, actually performed in class. Symphonies and other orchestral work are represented by four-hand piano arrangements, or more often rendered by the piano player.

This latter is an invaluable adjunct to the equipment of the course, since with its aid students can by constant repetition become familiar with symphonic and other works to a degree

not otherwise possible. The library contains a comprehensive selection of roll music to which members of the class have access. Practice is given in the construction of the smaller musical forms, such as hymn-tunes, and the dance forms of the classic suite.

The text-books are Prout's "Musical Form" and "Applied Forms." Collateral reading is assigned from time to time.

13, 14. *Canon and Fugue*.—MR. WOOD.

Two hours per week, both semesters. Tuesday and Friday, 8:40 A. M. Prerequisite, courses 9—10.

Proficiency in pianoforte or organ playing is necessary. This course consists of the analysis and composition of the advanced forms of polyphonic music, and therefore requires a thorough command of the technique of harmony and counterpoint. It is a necessary preparation for the larger and freer forms of composition. The treatises on the subject by Prout and Jadassohn are used.

15, 16. *Composition*.—MR. WOOD.

Two hours per week, both semesters. Tuesday and Thursday, 11:00 A. M. Prerequisite, courses 9 to 12.

In the first semester the contrapuntal facility acquired in the earlier courses is applied to the making of original vocal settings of selected texts. Considerable time is devoted to the analysis of standard choral works and songs. The student composes short pieces for men's voices, for women's voices, and for mixed chorus, unaccompanied. Later various types of accompaniment figures are studied, and settings are made with piano or other accompaniment. Solo songs for the various voices are also written.

The work of the second semester consists of the analysis and composition of vocal and instrumental music in the larger forms, with instruction and practice in writing for orchestral instruments separately and in combination. Practice is given in reading from vocal and orchestral scores.

17. *Appreciation of Music.*—MR. WOOD.

Two hours per week, first semester. Monday and Thursday, 8:40 A. M.

This is an entirely non-technical course, and is open without restriction to all students of the University. The appreciation of good music depends on the ability to listen intelligently. The object of the course, therefore, is to point out the structural principles of musical art, and to show clearly what constitutes real merit in any of the varied fields of musical activity. The work will consist of lectures and analysis, with collateral reading and critical reports of the various current recitals.

F. ENSEMBLE CLASSES.

7. (a) *The Engwerson Choral Society.*—MR. WOOD, CONDUCTOR.

The University Chorus was recently reorganized on a permanent basis, and the name was chosen in honor of the late Professor Otto Engwerson, who first organized a chorus in Granville.

Membership is open to all members of the University who can read music sufficiently well. The dues are fifty cents each semester. Two principal concerts are given each year, with notable artists assisting. According to the present custom, Handel's "Messiah" is sung each year at Christmas, while Geibel's "Nativity," Rossini's "Stabat Mater," Mendelssohn's "Hymn of Praise," Brahms' "Song of Fate," Bruch's "Fair Ellen," and Ware's "Sir Oluf" are among the other works recently given. Regular rehearsals are held on Monday evenings throughout the college year.

(b) *The University Orchestra.*—MR. SEE, CONDUCTOR.

Membership is not strictly limited to students enrolled in the University, but offers to anyone of sufficient ability the opportunity of playing classical and modern compositions under efficient direction. The Orchestra assists the Choral Society in presenting some of its oratorios, besides giving at least one con-

cert independently in the spring. Regular rehearsals are held on Thursday evenings throughout the college year. Membership is free to those admitted.

(c) *String Classes.*—MR. SEE.

As far as the material offers itself, practice is held in trio and quartette work, with performance in public on suitable occasions. Advanced pupils are coached in ensemble with piano.

(d) *Piano Classes.*—MISS FARRAR.

Ensemble classes are maintained in piano, both duet and quartette work being done. The classes are free, and this work is required of all pupils sufficiently advanced.

(e) *Normal Class.*—MISS FARRAR.

This course is offered primarily at the request of piano students, but will include nothing not of advantage to any music student who intends to teach, since the study of the piano is necessarily the foundation for the teacher of any branch of music.

The course will present the best methods of teaching notation, rhythm, elementary theory, the relation of psychology to music, the principles of expression for interpretation, applicable to the rendition of all music, and the principles of tone-production on the piano.

The class will meet one hour a week for both semesters. One semester of Theory or one semester of Solfeggio are required for entrance. The course may be extended and broadened later if the demands seem to warrant it.

(f) *The Denison Glee Club.*—KARL ESCHMANN, PRESIDENT.

This is an organization of twenty young men chosen by a competitive examination from the men of the University community. It is now entering upon the fifth year of its career with prospects for a very successful season. Besides a number of annual dates in Ohio, Cleveland, Dayton, Cincinnati, Columbus, etc., longer trips are taken each year, 1908-9, to New York State,

and 1909-10 to Chicago and Michigan. The programmes are made up of popular glees and ballads.

(g) *The Shepardson Glee Club*.—MARION ROSE, PRESIDENT.

This has become one of the distinct features of Denison musical life. The club numbers twenty-four, and young women who are regularly enrolled in the University are admitted to membership by examination. The officers are chosen by the organization from among its own members. The Club gives its annual formal concert in May.

Requirements for Graduation

THEORETICAL STUDIES.

Theoretical work required in all departments comprises two semesters each of Solfeggio, General Theory, Harmony, Counterpoint, History of Music, Analysis of Form, Canon and Fugue. In the voice and violin departments pupils are required to pursue the study of the piano sufficiently (two semesters at a minimum) to enable them to read easy accompaniments at sight.

Following the practice of many foreign conservatories, all candidates for the diploma, except those in the Violin Department, are required to sing in the Chorus at least two semesters. Candidates in the Violin Department are required to play in the Orchestra at least two semesters.

ACADEMIC STUDIES.

In addition to the musical studies required, candidates for graduation must satisfy the full requirements for entrance to the Freshman Class of Denison University, and in addition, complete one year of a modern language (French, German or Italian) and one year of English, equivalent to the work of the Freshman year in Denison University. The presentation of evidence that this work has been completed elsewhere will be accepted

upon the same terms as in Denison University. The various requirements above stated will first go into effect with the class graduating the fourth Commencement following their announcement in the catalogue.

DIPLOMA COURSE.

The Conservatory Diploma is granted to students who have completed the course of study prescribed for their particular department, and have given evidence of requisite musical ability. Candidates for the Diploma must give proof of artistic ability by giving a public recital in their Senior year.

CERTIFICATES.

To students completing prescribed work, but not desiring to make a specialty of public performance, a certificate will be granted, indicating the amount and character of the work done in the Conservatory.

Expenses

No student is enrolled in any department until settlement has been made with the Conservatory Registrar and the University Treasurer.

Bills of \$25.00 or less are due on registration.

If bills amount to more than \$25.00, one-half is due on registration, and the remainder at the middle of the semester.

A fine of one dollar is imposed on a student who reports to the Treasurer later than one day after registering.

A Diploma Fee of two dollars is charged to those graduating from the Conservatory.

EXPENSES BY SEMESTER.

Tuition in Pianoforte, Voice, Violin or Organ—two half-hour lessons per week.....	\$ 30.00
Tuition in Pianoforte, Voice, Violin or Organ—one half-hour lesson per week.....	17.00
Tuition in Pianoforte or Voice under Head of Department—two half-hour lessons per week.....	40.00

Tuition in Pianoforte or Voice under Head of Department—one half-hour lesson per week.....	22.00
Tuition in Harmony, Counterpoint or History of Music—class lessons three hours per week.....	9.00
Tuition in General Theory, Form, Canon and Fugue, Composition or Appreciation—class lessons two hours per week.....	6.00
Tuition in Solfeggio or Normal Class—one hour per week....	3.00
Rent of Piano, per hour per week.....	1.00
Rent of Pedal Piano, per single hour.....	.10
Rent of Organ, per single hour.....	.15

Tuition fees include such incidentals as the use of the reference and sheet music libraries, and admission to one Artist Concert each semester.

The fee for the first semester of General Theory (Music 3) is remitted to students paying full college tuition.

Students taking less than ten hours per week in the literary department and full time in the Conservatory will be charged at the rate of \$2.50 per semester hour in the literary department.

The attention of Conservatory students, especially in the Voice Department, is called to the courses in Public Speaking described elsewhere in this catalogue. Physical training is required of all college students and is strongly recommended to Conservatory students.

General Information

New students may enter the Conservatory at any time (except for the organized theoretical classes), but may not register for less than a half-semester, unless by special arrangement. Unless otherwise specified, all registration is for the entire semester. In case of illness, or other sufficient reason, however, students withdrawing before the middle of a semester may receive a rebate of a trifle less than half their tuition fees.

The Sheet Music Library furnishes most of the necessary music for students, including a selection of symphonies, sonatas,

etc., in duplicate for analysis by the classes in theory. The fee for the use of this music is included in the tuition fee.

A Music Store is maintained by the Conservatory, through which students can order music and books at discount prices. Small supplies, such as music tablets, etc., are kept in stock.

The music branch of the University Library, consisting of over three hundred volumes of standard reference, is housed at the Conservatory, and is available on the same terms as the main library. It is supplemented by a large collection of vocal and instrumental scores for reference.

The Conservatory is equipped with ten practice pianos of the highest grade. Hours and rooms for piano or vocal practice may be arranged for at the time of registering.

All students are under obligations to perform at the regular recitals, according to the direction of the teacher, and are not allowed to perform in public without the consent of the teacher.

Students' recitals take place fortnightly throughout the year and pupils are required to attend. A public Term Recital is given at the end of each semester, at which the more advanced students appear.

Each year a series of recitals is given, presenting symphonies and other orchestral works through the medium of four and eight-hand piano arrangements, or piano and string trios. A number of Faculty Recitals are given during the year, besides several Artist Recitals, mostly free to Conservatory students.

The following artists have appeared in Granville during the past few years, some of them more than once: Sopranos—Mme. Corinne Moore Lawson, Genevieve Clark-Wilson, Lucile Stevens Tewksbury, Edith Sage MacDonald, Millicent Brennan, Caroline Hudson-Alexander. Contraltos—Maude Wentz MacDonald, Elsa Hirschberg, Elizabeth Thompson Wilson. Tenors—Cecil James, Arthur Leroy Tebbs, Charles Hargreaves, Joseph Schenke. Baritones—Cecil Fanning, Henry Irving Fisher, Walter Bentley Ball. Basses—Oley Speaks, Ernest Gamble,

Julian Walker, William Harper, Marcus Kellerman. Pianists—William Sherwood, Augusta Cottlow, Hans Richard, Julian Pascal. Pianist-Lecturers—Dr. Henry G. Hanchett, Harry Brown Turpin, Edward Baxter Perry. Violinists—Leroy McMakin, Sol Marcossou. 'Cellists—Charles Heydler, Hans Kronold. The Cleveland Philharmonic, the Spiering, and the Olive Mead String Quartettes, The Marcossou-Heydler Trio, The Cincinnati and Columbus Symphony Orchestras.

The Musical Club is open to the students of the Conservatory, standing in somewhat the same relation to the Conservatory as the several Literary Societies to the other departments of the University. Meetings are held monthly, and the programmes are in the hands of the students.

An annual scholarship, the gift of Mrs. E. S. Shepardson, of Boston, is at the disposal of the Conservatory Faculty.

For further information in regard to the Conservatory of Music, address Carl Paige Wood, Director, Granville, Ohio.

V. School of Art

LAURA B. PARSONS, Director.

Drawing, Painting, Composition, and Design.

Graduate of the Art Department of Shepardson College; student in the Metropolitan Art School, of New York City, and in the Friedrich Fehr School of Art, of Munich.

CARRIE MARIE HOWLAND,

China Painting.

SARAH H. SEYMOUR,

Arts and Crafts.

Special Diploma in Fine Arts from the Teachers' College of Columbia University.

BLANCHE G. LOVERIDGE, PH. B.,

History of Art.

COURSE OF STUDY.

First Grade.—Geometrical solids in outline—also in light and shade.

Principles of elementary perspective.

Cast drawing from historic ornament; masks; hands and feet; details of human face.

Simple studies from still life.

Out-of-door sketching in pencil, chalk, and ink.

Design and composition.

Second Grade.—Advanced cast drawing from full length figure. More elaborate studies from still life. Design and composition. Still life in oil or water colors. Out-of-door sketching in water colors.

Third Grade—Cast drawing from the full length figure. Drawing from life costumed model. Composition. Life studies in oil and water colors. Advanced work in still life. Flower studies and interior compositions. Landscape painting in water colors and oils. Especial attention is given to variety of light effects. Weekly lectures on the Grammar and Theory of Art are given by Miss Parsons, throughout the course. These lectures, and the course in History of Art, given by Dean Loveridge, are required for graduation from the School of Art.

CHINA PAINTING.

The work in china painting is conducted according to the best modern methods in technique and design.

METAL WORK AND ELEMENTARY JEWELRY.

The standard of work in this department is that of the old craftsmen—that a thing must be suited to its use, well made, and beautiful.

The class in hammered metal begins with the shaping of bowls and trays, and the construction of light fixtures, or table silver, is easily within the reach of the average student. The jewelry work includes the making of rings, pins and pendants, and only genuine stones are used.

In connection with the Metal and Jewelry course is a course in *Simple Design*, to aid the pupil in correct proportions, spacing, etc. The course begins with simple line designs, and later on, color, worked into wood block printing.

In addition to the courses described above, the Director of the Art School offers a one hour course in Free-hand drawing, open to all Freshmen who may need it in order to meet the requirements of some particular group, or may desire it for purposes of their own. College credit is allowed for this work in any of the regular courses, and aside from this special course, credit may be obtained for work in drawing on the laboratory basis of a one hour credit for two hours' work.

General Information

Those registered for regular work in the Art School are admitted, free of charge, to the Class in History of Art, which embraces the study of architecture, sculpture, painting and the lives of the great masters. These courses in History of Art must be taken as a condition of graduation. A thesis in art is required from each applicant for graduation.

An Art Reception will be given during Commencement week, at which time the work done in the studio during the year will be on exhibition. For this reason it is important that the work be left in charge of the Director of the Department until the close of the year.

The Art graduates are requested to leave one specimen, each, of their work, as a gift of the College.

Pupils will receive certificates from the Art Department after having completed the required course of three years. No such certificate will be given, however, to any student whose general educational attainments are not sufficient to admit to Freshman standing in the University.

TUITION.

The tuition is the same for each semester, as follows:

Painting, Water Colors.....	\$25.00
Oil Colors.....	25.00
On China.....	25.00
Black and White.....	25.00
Arts and Crafts.....	25.00

Students taking full time in the School of Art and less than ten hours in the Literary department will be charged at the rate of \$2.50 per semester hour in the Literary department.

Domestic Science and Elementary Domestic Art

JANE ALICE IRWIN, Director.

Cookery, Dietetics, Chemistry of Foods, Household Management, Sewing, Study of Textiles, Raffia, and Reed Basketry.

COURSE OF STUDY.

A course of study is offered comprising two years, and combining the special work of this department with certain courses in other departments, as indicated in the following paragraphs:

First Year.—English 1-2, Personal Hygiene and Physiology 15-16, Elementary Chemistry 1-2, Cooking 1-2, Sewing 1-2, Raffia 1, Design 2, Philosophy 1, History of Art 2, Chemistry of Food 1-2.

Second Year.—Elementary Psychology 1-2, Cooking 3-4, Chemistry of Foods 3, Dietetics 4, English 3-4, Pedagogy 1, Domestic Architecture 2, Bacteriology 1, Household Management 1, Household Hygiene 2, Dressmaking 3-4, Textile Study 2.

OUTLINE OF WORK.

Cookery.—Study of fuels and equipment of kitchen, general principles of cookery, illustrated by the preparation of simple and more elaborate dishes, utilization of left-overs, serving of meals.

Chemistry of Foods.—Study of food products, their chemical composition, and the chemical changes involved in their preparation. Study of the most important elements, Proteids, Carbohydrates, fats, mineral matter, water and their chief compounds. Food relation to the body. Effect of alkalies and acids. Fermentation and putrefaction. Processes of drying, salting, smoking, canning and preserving. Planning of menus.

Dietetics.—Study of digestion, absorption and assimilation of food constituents. Dietary standards. Planning of menus according to these standards. Planning and preparing of special diets for the sick.

Home Nursing.—Furnishing and care of the sick room. Food for the sick. Emergencies, bandages, etc. Poisons and antidotes. Disinfectants.

Sanitation or Household Hygiene.—The house, its location, lighting, heating, ventilating, disposal of wastes and plumbing—all with reference to health. House furnishings.

Sewing.—Hand sewing, including hemstitching, darning, felling, gathering and button-hole making.

Machine sewing—Tucking, hemming, ruffling, etc.

Dressmaking.—Cutting and fitting—Shirtwaists, summer dresses, fitted linings and tailor work—all full sized garments.

Design.—Design for costumes, embroidery, basketry, and all household decorations—educating the student to appreciate good design.

Textile Study.—Study of the source, growth and manufacture of cotton, flax, wool and silk.

Basketry.—The fundamental principles of the art of weaving are taught, using both raffia and reed. Dyeing of both reed and raffia is also studied.

Household Management.—The Theory of Housekeeping, Business Customs and Accounts, Marketing, Laundry, etc.

Other subjects included in the two years' course outlined above and not described in the immediately preceding paragraphs are taken with the regular college classes, and a full description of each course will be found in the statement of the department to which it belongs. (Consult the General Index at the close of the volume.)

Admission.—Students are admitted to the special studies in this department at any time, but are strongly advised to enter at

the beginning of a semester. They should be eighteen years old and prepared to do well the work of the first year. All special students in this department are required to take physical training.

Expenses.—

Cooking, two hours per week for one semester.....	\$15.00
Sewing, two hours per week for one semester.....	12.00
Basketry, two hours per week for one semester.....	12.00

In cooking, all supplies are furnished, with no additional expense to the student. In sewing, each student furnishes her own materials, and may determine the quality of the same.

Students taking full time in this department and less than ten hours in the Literary department will be charged at the rate of \$2.50 per semester hour in the Literary department.

Society of the Alumni

The Society of the Alumni was organized in 1859. All graduates of the University in honorable standing, without regard to sex, are considered as members. Former students who did not graduate are admitted as associate members. In 1907 the Society prepared a volume of nearly three hundred pages, containing a general catalogue of alumni together with much historical material covering the origin of the college and its development during the three-quarters of a century ending with the Commencement of June, 1906. Since that date an annual bulletin has been published, giving changes in addresses and occupation and other important information concerning the Alumni. The Society also issues a Quarterly Bulletin, devoted to the general interests of the University, and published from Chicago, under the editorial management of Samuel B. Brierly, class of '75, President of the Society.

The officers of the Society for the current year are:

President	SAMUEL B. BRIERLY, '79
	92 LaSalle St., Chicago, Ill.
Vice President.....	EDWARD A. DEEDS, '97
	Dayton, Ohio.
Secretary-Treasurer.....	W. H. JOHNSON, '85
	Granville, Ohio.

Alumni Teachers' Agency

As requests for teachers frequently come to various teachers and officers of the University, it has been deemed advisable to organize an agency to assist worthy applicants who are educated here in securing positions to teach. Friends of Denison University who as members of school boards or otherwise have influence in filling teaching positions are cordially invited to correspond with this agency, and are assured that all recommendations given will be based on actual merit. Address,

DENISON TEACHERS' AGENCY,
Granville, Ohio.

Phi Beta Kappa

The standing of Denison University has recently received significant recognition by the action of the Senate and Council of Phi Beta Kappa, in granting a charter for the organization of a chapter in Denison. This society was established for the express purpose of recognizing and fostering high scholarly attainment in college work, election to membership being confined to Juniors and Seniors who have shown themselves qualified for such an honor on that basis. The Denison chapter is known as the Theta Chapter of Ohio. The chapter was duly installed, and the charter delivered, by the National President of the Society, Dr. Edwin A. Grosvenor, on the eighteenth of January, 1911.

Degrees Conferred June 1910

HONORARY.

Doctor of the Civil Law:

HON. JUDSON HARMON, Governor of Ohio.

Doctor of Science:

AMBROSE SWASEY, ex-President of the American Society of Mechanical Engineers.

Doctor of Divinity:

AUGUSTINE S. CARMAN, Pastor of the First Baptist Church of Marietta, Ohio.

Doctor of Laws:

J. STANLEY BROWN, Principal of the Joliet Township High School, Joliet, Illinois.

MASTER OF ARTS.

HOWARD E. DUDLEY,

H. RHODES HUNDLEY,

ANNA ELIZABETH BARRETT.

MASTER OF SCIENCE.

EARL HARRINGTON FOOTE.

BACHELOR OF ARTS.

VICTOR HUGO HOPPE,

FAYE LOVING CLEVELAND,

JOHN MITCHELL,

BERTHA LOIS CRILLY,

JOHN SAMUEL,

LAURA ELIZABETH HOSICK,

CHESTER CALDWELL WINTER,

CORNELIA SPENCER.

BACHELOR OF SCIENCE.

ALBERT WATSON DAVISON,

ASHER KING MATHER,

ROBERT CONANT DUNN,

CHARLES JAMES STILWELL,

ROBERT CLINE GILL,

LEWIS FRANCIS THOMAS,

ROSCOE DEAN HART,

BIRNEY RAY WALKER,

CLAUDE JACQUART,

ELIZABETH VINCENT FORD,

FRED GUY SMITH,

GERTRUDE PEARL LETT,

MARIE PORTER.

BACHELOR OF PHILOSOPHY.

SHERMAN JACKSON BAGGS,	BETTY ALBERTINA JONES,
HUGH SAMUEL CAMPBELL,	EMILY FRANCES MALONEY,
FRED BARLOW HOLDEN,	PEARL BICKER MERCER,
LLOYD VESPER MINEAR,	RUTH ORCUTT,
CLARENCE JUNIUS MCGEE,	DEE FERGUSON SHUMAN,
THURMAN FRED SOWERS,	HAZEL SPENCER,
NINA BINGER,	JOSEPHINE STEWART,
ALICE COX,	ELSIE RHINEHART STUDER,
MARY ANNA HELTON,	SUSIE THEOBALD,
HELEN KENDRICK HUNT,	DEE THORNTON.

ASSOCIATE IN LITERATURE.

LEILA MAY PORTER.

Honors and Prizes Awarded in 1910

Special Honors in English. BETTY ALBERTINA JONES.

Special Honors in History. THURMAN FRED SOWERS.

Special Honors in Latin. BERTHA LOIS CRILLY.

Special Honors in Physics. MARIE PORTER.

The Lewis Contest. Debate, ELLSWORTH BOUTELLE LOWE, Franklin; Oration, LLOYD V. MINEAR, Calliopean; Essay, KARL H. ESCHMAN, Calliopean; Declamation, CLINTON A. NEYMAN, Franklin.

The Samson Talbot Prize Reading. First prize, JOHN SAMUEL; second prize, ARCHIBALD G. ADAMS.

The Fletcher O. Marsh Prize in Physics. ALBERT W. DAVISON.

The Francis W. Shepardon History Prizes. First prize, THURMAN FRED SOWERS; second prize, SHERMAN JACKSON BAGGS.

The Senior English Prizes. For young women: First prize, ELIZABETH V. FORD; second prize, LAURA E. HOSICK.

For young men: First prize, LLOYD V. MINEAR; second prize, CHESTER C. WINTER.

Students in Granville College Classes

GRADUATE STUDENTS.

ELSOR HEATER, Ph. B., *History*.....St. Paris,
 RUTH ORCUTT, Ph. B., *Biology*.....Granville

Senior Class.

ARCHIBALD GUINNESS ADAMS, Cl.,	Newton Center, Mass.
OSCAR McNEIL ARNOLD, Sc.,	Mt. Vernon.
WILLIAM FREDERICK BECKER, Sc.,	Kelley's Island.
CLARENCE EDWARD BROWN, Cl.,	Bellevue.
ZOE DIXON BROWNE, Cl.,	Haskins.
FLOYD D. CARLOCK, Sc.,	Alexandria.
NEWTON HANSCOMB CARMAN, Cl.,	Marietta.
HOMER WYMAN CHAMBERLIN, Sc.,	Toledo.
WILFRED CURSLEY COE, Cl.,	Upland, Pa.
ADELBERT BEARD CONLEY, Sc.,	Newark.
JOSEPH HAYES CORY, Cl.,	Granville.
HARRY HENRY LEWIS DEIBEL, Cl.,	Fresno.
ALBERT MILTON DIXON, Cl.,	Zanesville.
RALPH GARDNER ELVIN, Cl.,	Indianapolis, Ind.
KARL HENRY ESCHMAN, Ph.,	Dresden.
CARL CHESNEY GIBSON, Ph.,	Granville.
HUGH CLARENCE GILLESPIE, Cl.,	Granville.
HOMER DENISON HOLLER, Sc.,	Granville.
ROY SNOW HAGGARD, Sc.,	Boston, Mass.
JOHN CRAGO HOSKINSON, Sc.,	Freeport, Pa.
CHARLES WILLIAM HOWELL, Sc.,	Bladensburg.
WILLIAM P. HUFFMAN, Sc.,	Dayton.
HORACE HOLMES HUNT, Cl.,	Granville.
KENNETH JONES, Ph.,	Granville.
CONSTANTINE FAITH KEMPER, Cl.,	Granville.
ELLSWORTH BOUTELLE LOWE, Cl.,	Hinsdale, N. Y.
LESLIE BATES MOSS, Sc.,	Malden, Mass.
JAMES CALVIN MUNN, Sc.,	LaSalle, Mich.
CLINTON ANDREW NEYMAN, Cl.,	Terre Haute, Ind.
HARMON AUSBURN NIXON, Jr., Cl.,	Granville.

HARL EMERSON NOTTINGHAM, Cl.	Conneaut.
ALFRED SHEPARDSON ORCUTT, Sc.	Granville.
FRED CARNOT PARKS, Ph.	Minonk, Ill.
HAROLD LORANE SCOTT, Ph.	Granville.
HOWARD DANA SIMKINS, Sc.	Newark.
FRANK STANLEY SPERRY, Sc.	Utica.
YITSUTARO TAKATANI, Ph.	Osaka, Japan.
HARRY ELLISON THURSTON, Ph.	Chicago, Ill.
GEORGE DWIGHT UPSON, Ph.	Newark.
CHARLES JOHNSON WARD, Sc.	Newark.
GEORGE BYRON WILLIAMS, Sc.	Massillon.
ARTHUR MAHLON ZELL, Sc.	Granville.

Junior Class.

ROBERT MCBETH ALDBAUGH, Sc.	Conotton.
HAROLD DENIS ANDERSON, Sc.	Wheeling, W. Va.
CARL KING BOYER, Sc.	Venetia, Pa.
SCOTT WILLIAM CAMP, Sc.	Mt. Vernon.
WILLIAM HENRY CUTLER, Cl.	Carthage, Ill.
FREDERICK MILTON DERWAETER, Cl.	Zanesville.
FRANK LESLIE FLEENER, Cl.	Dodge City, Minn.
BEN CHARLES FORSYTHE, Sc.	Granville.
KARL WILLIAM FRASCH, Sc.	Bremen.
WILLIAM EVIN HUFFMAN, Ph.	Blue Rock.
DONALD NEWTON JEWETT, Ph.	Aberdeen, S. D.
EDWARD PAYSON LINNELL, Cl.	Granville.
WARREN DEMPSEY MILLER, Ph.	Dayton.
PAUL DAVID MORROW, Sc.	Granville.
CLAUDE STARR MORTON, Sc.	Bricton, Minn.
ROBERT FRANKLIN McCANN, Sc.	New York, N. Y.
MAX BRADLEY NORFELL, Ph.	Newark.
TRACY MINARD PATRICK, Sc.	Blue Island, Ill.
CHESTER ALDRITH PUE, Ph.	Dayton.
LOUIS ANTHONY RUMSEY, Sc.	Stryker.
MANLY HARRISON SHIPLEY, Sc.	Granville.
RAYMOND B. STEVENS, Sc.	Conneaut.
CLIFFORD SCOTT STILWELL, Sc.	Cleveland.
IVAN RAY TANNEHILL, Sc.	Granville.
DEXTER JUNKINS TIGHT, Sc.	Granville.
SUMIO UESUGI, Ph.	Granville.
CHARLES BLOUNT VANCE, Sc.	Hillsboro.

STAFFORD RIDDLE WEBB, Sc.,	Philadelphia, Pa.
WILLIS SOUTER WEBB, Cl.,	Philadelphia, Pa.
WILBUR ST. CLAIR WHITE, Sc.,	Bucyrus.
HOMER EDGAR WICKENDEN, Ph.,	Toledo.
FRED ELLSWORTH WOLF, Cl.,	Toledo.
DAVID ELMER WOODS, Sc.,	Union City, Pa.

Sophomore Class.

*JOHN FRANKLIN ARMSTRONG, Cl.,	Waterloo, Ia.
LELAND ASHUR ARNOLD, Ph.,	Mt. Vernon.
EDWARD RAYMOND ASHCRAFT, Ph.,	Howard.
ELBERT LEWIN BABB, Ph.,	Xenia.
KARL RICHTER BABB, Sc.,	Xenia.
JAMES LESTER BLACK, Sc.,	Newark.
JOSEPH EDWARD BOMAN, Sc.,	Thurston.
JOSEPH HASKELL BOUTWELL, Sc.,	Waukegan, Ill.
RAY BROCK, Ph.,	Dayton.
HARRY HAMILTON BURNHAM, Sc.,	Medina.
EDGAR OWEN COOK, Sc.,	Granville.
WILLIAM JORDAN CURRIN, Cl.,	Marion.
CHARLES ELLSWORTH DAVIS, Sc.,	Granville.
WALTER OLIVER DAVIS, Sc.,	Atherton.
CHARLES RUSSELL DEETER, Sc.,	Dayton.
HAROLD ELDON DUNLAP, Sc.,	Urbana.
EDWIN THOMAS EDWARDS, Sc.,	Ironton.
PAUL BARRICK GRAHAM, Sc.,	Granville.
KENNETH LEMON HALL, Sc.,	Newark.
WALDO HUNTLEY HEINRICH, Sc.,	Ramapatan, India.
FRED MUNN HIGGINS, Sc.,	Sharon, Pa.
CHESTER HOYT HILL, Ph.,	Huntington, W. Va.
WILLARD ALVIN HILL, Sc.,	Toledo.
WILLIAM WALTER HOLT, Sc.,	Troy.
WALDO WARREN JOHNSTON, Ph.,	Dayton.
WALTER LEROY JORDAN, Ph.,	Greenville.
ARDEN BERKLEY JUDD, Ph.,	Ft. Worth, Tex.
FRANCE CLAIR KENT, Ph.,	Stockton, N. Y.
RUSSELL EZRA KIMMELL, Sc.,	Dayton.
FREDERICK WILLIAM MADSEN, Sc.,	Clark Grove, Minn.
QUINCY ALLEN MAIN, Ph.,	Ashley.
JAMES LOY MALONEY, Ph.,	Polo, Ill.

*Died November 9, 1910.

JOHANG DAZEL MARAK, Cl.	Singjan, Sangma, Tura, Asia
HUBERT HORATIO MARTIN, Ph.	Seattle, Wash.
LESTER EDWARD MITCHELL, Ph.	Cambridge.
STEWART W. McCLELLAND, Sc.	Fredericktown.
ARCHIBALD M. McPHAIL, Cl.	Adrian, Mich.
HERMAN WILLIAM NEON, Ph.	Granville.
RUEL ERNEST NOTTINGHAM, Sc.	Conneaut.
FRANK DENMAN OLNEY, Sc.	Coshocton.
CHARLES HENRY READ, Ph.	Xenia.
MASON KENT READ, Sc.	Granville
CLIFFORD ENERICK REICHARD, Sc.	Troy.
HARLAN CADY REYNOLDS, Sc.	Farmington, Ill.
EDISON CALDERN RUFF, Ph.	Sandusky.
ARTHUR ALBERT SCHAUWECKER, Ph.	Newark.
DON CARLTON SIMKINS, Sc.	Newark.
HENRY WALTER STEVENS, Ph.	Conneaut.
GEORGE RUSSELL STRAYER, Ph.	Waterloo, Ia
HARRY FRANKLIN SWEET, Sc.	Ashtabula.
URBAN ROY TANNEHILL, Sc.	Granville.
JOHN ALVIN THOMPSON, Ph.	Newark.
JAMES DILLY THOMPSON, Jr., Sc.	Granville.
RAYMOND RUSSELL WEAVER, Sc.	Zanesville.
HOWARD WILLIAM WEBB, Ph.	Defiance.
ROBERT ERVIN WILLIS, Sc.	Washington C. H.
CHARLES ROWLAND WOOD, Ph.	Huntington, W. Va.

Freshman Class.

ROBERT MILTON ASHLEY, Sc.	Newark.
EUGENE JUSTIN BARNEY, Sc.	Dayton.
CHARLES CLAYTON BROWN, Ph.	Haskins.
MAXWELL THOMAS BURNHAM, Ph.	Medina.
GHON POY CHEN, Sc.	Canton, China.
FREEMAN O. CHEYSLER, Sc.	Granville.
JOHN SHINEMAN CLARK, Sc.	Hampton, Iowa.
CALVIN STEPHEN CRAMER, Sc.	Batavia.
GEORGE DEARMOND CURTIN, Sc.	Clarksburg, W. Va.
JOHN NORMAN DARROW, Sc.	Cleveland.
EDWIN BYLER DAVIS, Cl.	Allur, India.
CLIFFORD FARRINS DOWRONTT, Sc.	Battle Creek, Mich.
ELLIS BARKER DOWNEY, Sc.	Hebron.
VIRGIL LAWRENCE EIKENBERRY, Ph.	Flora, Ind.

- DWIGHT PALMER ELY, Ph.,
 FREEMAN ESSEX, Sc.,
 GEORGE FERGUSON FINNIE, Cl.,
- EUGENE COFFMAN FLORY, Sc.
 HAYES DEARDORFF GRAHAM, Sc.,
 JUSTIN RICHARDSON HARTZOG, Sc.,
 JOSEPH FREDERICK HASKINS, Sc.,
 CLYDE RUSSELL HASTINGS, Sc.,
 *EDGAR JACOB HEINRICH, Sc.,
 WILLIAM HUBERT HEIM, Sc.,
 LEVI GLENN HEWINS, Sc.,
 GRAFTON PARKER HILL, Ph.,
 CHARLES CLARENCE HOBART, Sc.,
 ROSS HOWELL, Sc.,
 JOSEPH BOWMAN KERSHNER, Sc.,
 DEANE S. KINTNER, Cl.,
 RALPH ALBERT KNOUFF, Sc.,
 RAYMOND PETE KROUSE, Sc.,
 RAYMOND ELY LADD, Ph.,
 GLENN FINLEY LOWERY, Ph.,
 CORWIN MATTHEWS, Sc.,
 FRANK McCARTY MATHEWS, Sc.,
 RAYMOND GUY MILLER, Sc.,
 ROBERT BEMIS MILLER, Ph.,
 CHARLES WILLIAM MILLIKEN, Ph.,
 DWIGHT MUNSON MOORE, Sc.,
 LAWRENCE NEWTON MOORE, Sc.,
 RALPH HARDEN MORROW, Sc.,
 ASA C. MYERS, Ph.,
 REID JESSE McCAIN, Ph.,
 CHARLES WILLIAM O'CONNOR, Sc.,
 WILLIAM BRUCE OGDEN, Ph.,
 DWIGHT BROADNAX OHRUM, Sc.,
 CHARLES OSBECK, Ph.,
 KENNETH AURELIUS PFEIFFER, Sc.,
 HARRY NEWSTEAD PHELPS, Sc.,
 ARTHUR CLAYTON PROUTY, Ph.,
 GAMET MARTIN RILEY, Cl.,
 JOHN WILLIAM SACHS, Ph.,
- Madison.
 Troy.
 Newton-on-Ayr, Scot-
 land.
 Granville.
 Granville.
 Tecumseh, Mich.
 Granville.
 Akron.
 Ramapatan, India.
 Sandusky.
 Ashtabula.
 Bellefontaine.
 Troy.
 Bladensburg.
 Perrysville.
 Bayard.
 Centerburg.
 Hebron.
 Bowling Green.
 Granville.
 Jackson.
 Philo.
 Mt. Gilead.
 Salamanca, N. Y.
 Bowling Green.
 Zanesville.
 Zanesville.
 Granville.
 Marysville.
 Flora, Ind.
 Cleveland.
 Granville.
 Cairo, Ill.
 Lake Benton, Minn.
 New Hamburg, Ont.
 Ashtabula.
 Granville.
 Bridgeport, W. Va.
 Newark.

*Died November 7, 1910.

ORWELL FRANK SCHOEPPE, Sc.,	Sandusky.
CLIFTON FRANK SCHROPP, Sc.,	Sandusky.
HARRY JULIUS SCHULMAN, Cl.,	Norwich, Conn.
ROLAND WOODRUFF SCHWIGMAN, Sc.,	Pomeroy.
CAREY JUDSON SCOTT, Ph.,	Detroit.
JOHN PAUL SELLERS, Sc.,	Wellston.
LAWRENCE LEE SHANNON, Sc.,	Newark.
LAWRENCE EVERETT SMITH, Cl.,	Granville.
WINFIELD CAREY SWEET, Sc.,	Hang Chow, China.
GEORGE LEONARD THORNTON, Sc.,	Haskins.
PAUL SPERGEON TRACY, Sc.,	Hubbard.
ROGER EUGENE TUTTLE, Sc.,	Springfield.
ROBERT PAXON VICKERS, Sc.,	Salem.
ERNEST GILBERT VILLERS, Sc.,	Marietta.
CARMI LEWIS WARNER, Sc.,	Granville.
ROBERT MONTE WARNER, Sc.,	Granville.
EARLE WATKINS, Sc.,	Granville.
STEWART ELMER WATTERSON, Sc.,	Cleveland.
ROBERT REDDING WEBER, Sc.,	Toledo.
ARDON KIRK WHEELER, Sc.,	Zanesville.
EARLE THEODORE WOLFE, Sc.,	Dayton.
JAMES PETTY WILSON, Sc.,	Granville.
DAVID ZOLLARS, Sc.,	Canton.

Special Students.

HAROLD EDWIN BELL,	Mt. Vernon.
REV. ALVA CURTISS BOWERS,	Granville.
DONALD MACMARTIN CALLEY,	Upland, Pa.
EWART GLADSTONE CARNEY,	Granville.
LAMBERTSON HAROLD CHAILLE,	Detroit, Mich.
HOWARD CLARK,	Utica.
ROLLA WALDO COCHRAN,	Trinway.
OLIVER PAUL CORWIN,	Granville.
ALBY SWEET FLEMING,	Mt. Vernon.
PAUL DANIEL FLEMING,	Bladensburg.
ALBY ROY HARSHBARGER,	Granville.
ARTHUR MELVIN HARSHBARGER,	Granville.
LEE REMMELE HUFF,	Huntington, W. Va.
ERNEST TRUMER KEMPER,	Granville.
WALLACE WILLIAM MOSTELLAR,	Mt. Vernon.
SAMUEL OSOOD MILLER,	Portsmouth.

CHARLES OSWALD MITCHELL,
IRA CLEVELAND MCCLAIN,
ERNEST LEE MCCOLLOUGH,
CHARLES WORK MCLEES,
HARRY WOODWARD McLURE,
ROBERT WILLIAM PIERCE,
JAMES MADISON POWERS,
MOLIERE SCARBOROUGH,
LANE ROBERT SCOTT,
WADE PHILLIPS SHEPARD,
EARLE A. SHEPPARD,
ELROY PHILLIPS SHERMAN,
WESLEY WRIGHT SHOWMAN,
ALFRED KRAUS SONNEBORN,
WILLIAM EDWARD STEWART,
WILLIAM MINT STOUT,
JOHN WILLIAM TRAINOR,
RICHARD WATKIN WATKINS,
STARLING A. WEST,
JOHN BRICE WILLIAMS,
CLYDE CURTIS WILSON,
EARLE THEODORE WOLF,
JAMES WATSON WOLFE,
ERNEST FORSYTHE WOODWARD,
ALLEN DARWIN WRIGHT,

Toledo.
West Union, W. Va.
Cleveland.
Granville.
Wheeling, W. Va.
Cincinnati.
Granville.
Abilene, Tex.
Bryan.
Wyoming.
Coshocton.
Ashtabula.
Hebron.
Wheeling, W. Va.
Joliet, Ill.
West Union, W. Va.
Sparta.
Granville.
Hillsboro.
Granville.
Carlisle, Ind.
Dayton.
Ironton.
Washington C. H.
Washington, Ind.

Students in Shepardson College Classes

Senior Class.

ALTA ELIZABETH BALDWIN, Ph.	Marysville.
MINNIE EMARILLA BATES, Ph.	Madison.
CLAUDE AZIA BLAKE, Cl.	Urbana.
EDNA JONES BRANNON, Ph.	Joliet, Ill.
BESSIE BELLE BRUCE, Ph.	Garrettsville.
GLADYS EDITH CLAY, Ph.	Granville.
GRACE COCHRAN, Ph.	Salama, W. Va.
IMOGENE CRITCHFIELD, Ph.	Wheaton, Ill.
ELEANOR MIDDLESWART DYE, Sc.	New Matamoras.
CLARA DANIELS FIFIELD, Ph.	Pawtucket, R. I.
MAMIE KATHERINE GEACH, Ph.	Granville.
HARRIET ZORBELA GOODHART, Ph.	Cincinnati.
LAURA ADELLA HATFIELD, Ph.	Dayton.
HESPERA HUGHAM, Ph.	Granville.
OLIVE ANN JENKINS, Cl.	Chicago Junction.
RACHEL BERNICE JONES, Ph.	Granville.
ALICE MARY LAMB, Ph.	Toledo.
MABEL VIRGINIA NEWTON, Ph.	Upland, Pa.
JUDITH GIFFORD NICHOLS, Ph.	Granville.
ESTHER CHRISTINE NIXON, Cl.	Granville.
HELEN ISABEL PIDD, Ph.	Newark.
IRMA MARIE SARGENT, Ph.	Granville.
LILY BELL SEPTON, Sc.	Pittsburg, Pa.
LOIS ELVIRA SMITH, Ph.	Columbus.
LETHA CHRISTINA TANNERHILL, Ph.	Granville.
JOY FLORENCE TRACY, Cl.	Hubbard.
ROBERTA WORLEY, Ph.	Oklahoma City, Okla.

Junior Class.

MARIETTA BALL, Ph.	Akron, N. Y.
JUANITA STEPHENSON BOND, Cl.	Granville.
EMILY KERR COLWELL, Cl.	Granville.
EVANGELINE DAVIES, Ph.	Granville.
ETHEL DEMING, Cl.	Newark.

EDNA LUELLE EDWARDS, Ph.,	Ironton.
ADA ELEANOR ELLIS, Ph.,	Atlanta, Ill.
AGNES BERTHA EWART, Ph.,	Marietta.
MILDRED ALICE HAWKE, Ph.,	St. Louisville.
MARJORIE FRANCES HOLDEN, Ph.,	Zanesville.
RUTH MATHER, Ph.,	Chicago.
JULIA SARAH MOORE, Sc.,	Zanesville.
BERTHA MAE MCCRARY, Ph.,	Granville.
EDNA MARGARET PHILBROOK, Ph.,	Johnstown.
LULU MARGARET POUND, Ph.,	Terre Haute, Ind.
MAY CLAIRE RICHARDS, Ph.,	Congo, Africa.
EMILY EVELYN SHAYRE, Ph.,	Granville.
CECIL BELLE SHREVE, Sc.,	Union City, Pa.
MARGARET SMITH, Ph.,	Newtonville, Mass.
META AMANDA STEVENS, Ph.,	Conneaut.
JENNIE GRACE TRACY, Cl.,	Hubbard.
JANE ANNA WILLIAMS, Ph.,	Granville.
FLORENCE EDNA WILSON, Ph.,	Newark.

Sophomore Class.

RUTH ALICE ADLER, Ph.,	Canton.
ERMA LEWIS BARNES, Sc.,	Joliet, Ill.
BESSIE LENORE BENNETT, Ph.,	Momence, Ill.
EDITH LETITIA BROWN, Ph.,	Newark.
RUTH ELIZABETH BRYANT, Ph.,	Toledo.
NETTIE CATHERINE COURTNEY, Ph.,	Freeport, Ill.
STELLA BERTHA COX, Ph.,	Mt. Vernon.
LOIS ETHEL DEBERRY, Ph.,	Terra Alta, W. Va.
GRACE ELLEN DOUP, Ph.,	Mt. Vernon.
HELEN RUTH FREEMAN, Ph.,	Granville.
JENNIE CHRISTINE HARTLEY, Ph.,	Paris, Ill.
RUTH FREEMAN HASTINGS, Ph.,	Akron.
RUTH ISABEL HOPKINS, Ph.,	Granville.
HELEN JOAN HULTMAN, Ph.,	Dayton.
JESSIE MARGARET LAING, Ph.,	Bedford.
HAZEL GERTRUDE LONG, Ph.,	Council Bluffs, Ia.
HAZEL LILLIAN MARTIN, Ph.,	Hebron.
GENEVIEVE ESTHER MEAD, Ph.,	Cincinnati.
GRACA EMILIE MILLER, Cl.,	Beaver Dam, Wis.
MABEL LOUISE MOORE, Ph.,	Granville.
BESSIE ANITA MCGAUGHEY, Ph.,	Granville.

FLORENCE GRACE MCINTYRE, Ph.,	Toledo.
MARGARET KENDALL MCKIBBEN, Ph.,	Granville.
MARGERITE MAY McNUTT, Ph.,	Bristol.
EVA ARMINA NIXON, Ph.,	Granville.
BEATRICE ELIZABETH O'NEAL, Ph.,	Kenton.
LAURA NEWELL PROUTY, Sc.,	Granville.
JULIA IRENE ROGERS, Ph.,	Granville.
ADA BELINDA ROUDERUSH, Ph.,	Newtonville.
EMMA LUELLA ROSE, Ph.,	Collins.
JULIA VINTON SEAGRAVE, Cl.,	Granville.
EDITH MAY SOUTHALL, Ph.,	Dayton, Ky.
EUDORA SPENCER, Ph.,	Granville.
MARGARET ELMA STEERE, Ph.,	Ionia, Mich.
ISABEL DIBBLE TALBOT, Ph.,	Sistersville, W. Va.
MINNIE GUY TIGHT, Ph.,	Granville.
RUTH MARGARET WATKINS, Ph.,	Etna.
MARY GRACE WOODYARD, Ph.,	Durango, Mexico.
LAURA HESTER WRIGHT, Ph.,	Washington, Ind.
ANN ZOLLARS, Ph.,	Canton.

Freshman Class.

RUTH WOODEN ABELL, Ph.,	Toledo.
UNA MARGARET ACKLEY, Ph.,	Granville.
MILDRED GAYNELLE BAILEY, Ph.,	Waynesfield.
HARRIET AMELIA BARRINGTON, Ph.,	St. Marys.
RUTH ANNE BARRINGTON, Ph.,	St. Marys.
GRACE BATEMAN, Ph.,	Fredericktown.
ALICE MAY BULLETT, Ph.,	Buffalo, N. Y.
ESTHER LORINDA CARNEY, Sc.,	Granville.
PRISCILLA ALDEN CLARK, Ph.,	Sheridan, Wyo.
FRANCES JUANITA COLLINS, Ph.,	Newark.
ESTHER ALICE COOK, Ph.,	Buffalo, N. Y.
LEAH MAUDE COX, Ph.,	Richwood.
VIRGINIA BROWN CRAWFORD, Ph.,	Mitchell, Ind.
VIVIEN CRITCHFIELD, Ph.,	Wheaton, Ill.
HARRIET DAVIES, Ph.,	Massillon.
MARY OLIDA DE BNA, Ph.,	Dayton.
ORCA DICKERSON, Ph.,	Radnor.
BERTHA EICHENBAUM, Ph.,	Corning.
RHODA EVA GALBRAITH, Sc.,	Toledo.
HELEN GILMORE, Cl.,	Rangoon, Burma.

MARGARET CAROLINE GOOCH, Ph.,	Watertown, Mass.
C. LUELLA GRAHAM, Ph.,	Paris, Ill.
HAZEL LUCILLE GREENE, Ph.,	Waterloo, Ia.
FERN MARIE GRIFFETH, Ph.,	Granville.
HARRIET ELIZABETH HAGGARD, Ph.,	Watertown, Mass.
BESSIE ANNA MATILDA HAGMEIER, Ph.,	Newark.
FLORENCE HANNAHS, Ph.,	Johnstown.
MARIE BOWMAN HATTERSLEY, Ph.,	Norwood.
MAZIE IRENE HELMAN, Ph.,	Wellington.
VERA HOCKETT, Ph.,	Chillicothe.
HARRIET OLNEY HUNT, Ph.,	Granville.
GLADYS KEMPER, Ph.,	Granville.
RUTH KIRKWOOD, Ph.,	Cleveland.
MABEL EMMA LEMLEY, Ph.,	Columbus Grove.
MARY MORGAN LEMON, Ph.,	Bedford.
EDITH ANNA LONGBON, Ph.,	Liverpool.
KATHLEEN MACK, Ph.,	Canton.
OLIVE ORRELL MASON, Cl.,	India.
MARIAN CHARLOTTE MILLER, Ph.,	Salamanca, N. Y.
MARGARET LEAH McCUTCHEON, Ph.,	Franklin, Va.
BESSIE PARTCH McGLASHAN, Ph.,	San Pedro, Cal.
JOICY FAY McKINNEY, Ph.,	Ben's Run, W. Va.
EDITH MARGARET NICHOLS, Ph.,	Alexandria.
BESSIE EDITH NICOLLS, Sc.,	Beaver Dam, Wis.
HELEN LORENE NOTT, Ph.,	Cambridge.
ALTA BELLE O'DANIELL, Ph.,	Granville.
WILMA OSBECK, Ph.,	Lake Benton, Minn.
ANNA ELIZABETH OWEN, Ph.,	Newark.
LILLIS PRICE, Ph.,	Morgan Park, Ill.
MARY CAROLINE PUGH, Ph.,	Mt. Gilead.
MARJORIE RETTIG, Ph.,	Troy.
OPAL GUTHRIE SCHUMACKER, Ph.,	Granville.
RACHEL HOLBROOK SEAGRAVE, Cl.,	Granville.
EDNA ELIZA SELLERS, Ph.,	Mt. Vernon.
CLARA EMILY SHELDON, Ph.,	Granville.
IRENE GERTRUDE SHENBERGER, Ph.,	Circleville.
MARY GRACE SHENBERGER, Ph.,	Circleville.
MARY HENRIETTA SMITH, Ph.,	Cleveland.
ROWENA BERNINA SMITH, Ph.,	Bowling Green.
SARAH WOOD STASEL, Ph.,	Newark.
HELEN MITCHENER STREATOR, Ph.,	Washington, Ind.

ANNA ELIZABETH SWETLAND, Ph.	Mt. Vernon.
VEDA VANDEVORT, Cl.	Dayton.
LINDA VIOLA VONGUNTEN, Ph.	Conneaut.
ALICE ELIZABETH WARNER, Ph.	Granville.
MARGARET WASSON, Ph.	Marshalltown, Ia.
MILDRED BURDELL WHITE, Ph.	Bucyrus.
RUTH WILKINSON, Cl.	Newark, N. J.
GRACE VANCE WILSON, Ph.	Newark.
HELEN DOROTHY WOLCOTT, Cl.	Conover.
LAURA SMYTHE WRIGHT, Ph.	Granville.

Special Students.

MARGARET KYLE BACHERT.	Lakewood
HAZEL MAE BAILEY.	Highland Park, Ill.
LYDIA MAY BOSWELL.	Granville.
KATHERINE CURTIS CRITCHFIELD.	Mt. Vernon.
HELEN STARK DENNY.	Dresden.
ETHEL MAE DICKEN.	Newark.
ALBERTA CLARK DICKINSON.	Cleveland.
BERTHA MAE EBERLE.	Quaker City.
MARTHA GWENDELEN GREELEY.	Granville.
BESSIE MAY GREGG.	Geneva.
IRENE HULDA HAMILTON.	Joliet, Ill.
EDNA MARGUERITE HAYES.	Mt. Vernon.
MARIAN CHARLOTTE MILLER.	Salamanca, N. Y.
GRACE ZIMMERMANN MOFFETT.	Paris, Ill.
NETTIE HAZEL MCCLINTOCK.	Union City, Pa.
MARY MARGARET McCLURE.	Newark.
MIRIAM LOUISE NICHOLS.	Bassin, Burma.
NORA LENA RAMSOWER.	Granville.
EDWYLL MINERVA REDDING.	Montrose, Cal.
ALDA ARLINE SCOTT.	Newark.
NEEL ELIZABETH SNORE.	Gallipolis.
RUTH STEWART.	Newark.
NETTIE THOMAS.	Kirkersville.
KATHERINE ANNE TISDLE.	Terra Alta, W. Va.
MYRTLE BELLE WALKER.	Kirkersville.
LAURA HESTER WRIGHT.	Washington, Ind.

SHEPARDSON TWO YEAR COURSE.

ELIZABETH AGLER.	Columbus.
STELLA BERTHA COX.	Mt. Vernon.

BERTHA MAE EBERLE,	Quaker City.
MILDRED ESTEY EYER,	Dayton.
MAUDE EDNA FERGUS,	Tippecanoe City.
RUTH FREEMAN HASTINGS,	Akron.
EDNA MARGUERITE HAYES,	Mt. Vernon.
BESSIE ANITA MCGAUGHEY,	Granville.
MARGUERITE LYDIA STOKELEY,	Roseville.

Shepardson Preparatory Department

Senior Class.

LILLIAN BOGGS,	Granville.
RUTH E. DEARDORFF,	St. Augustine, Fla.
ETHEL DICKEN,	Newark.
EMILY SPENCER,	Granville.
MARY SUYONG,	Granville.
KATHERINE TISSUE,	Terra Alta, W. Va.
MARTHA JEAN WHITE,	Terra Alta, W. Va.

Third Year.

FERN ASHBROOK,	Granville.
VIRGINIA BLACKFORD,	Cincinnati.
ALMA LOUISE BRUMBACK,	Granville.
LOIS CATHERINE DAVIS,	Granville.
MABEL HERRICK,	Granville.

Second Year.

DORIS RUTH FREDERICKSON,	Granville.
HELEN OLIVE GRANDSTAFF,	Granville.
ELAH DE LONE HARRIS,	Granville.
VIOLA MAE JOHNSON,	Cincinnati.
GRACE RUSSELL SEAGRAVE,	Granville.
LUCILE CLARE TILBE,	Rangoon, Burma.

Electives.

MILDRED GAYNELLE BAILEY,	Waynesfield.
LYDIA M. BOSWELL,	Granville.

LYDIA BUCKLAND,	Granville.
MARTHA JOY CUTLER,	Carthage, Ill.
HELEN STARK DENNY,	Adams Mills.
LAURA HERRICK,	Granville.
MARIE F. TILDE,	Rangoon, Burma.
MYRTLE B. WALKER,	Kirkersville.

Special Students.

MRS. CARRIE ALTROGGE,	Granville.
RHODA LOUISE BOGGS,	Granville.
GRACE ABELLE BOND,	Granville.
PEARL BRADSHAW,	Mt. Vernon.
MAUDE COCHRAN,	Granville.
ESTHER ALICE COOK,	Buffalo, N. Y.
SARAH ILO CRAVEN,	Granville.
EFFIE G. DAVIS,	Granville.
ELLA DAY,	Granville.
MARY DAY,	Granville.
ALBERTA C. DICKINSON,	Cleveland.
ELLA BLANCHE DULL,	Granville.
ELEANOR E. FISHER,	Granville.
ANNA E. HUTCHINSON,	Granville.
RUTH FLOREY JONES,	Newark.
SELMA META LAUZINSKI,	East Liverpool.
MABEL E. RELLER,	Richmond, Ind.
EMMA LOUELLA ROSE,	Collins.
ALTA ARLINE SCOTT,	Newark.
MRS. LAURA A. SWARTZ,	Granville.
ESTHER VIOLA WARNER,	Granville.
EVA WRIGHT,	Croton.

Students in Doane Academy

Graduating Class of 1910.

FREEMAN O. CHRYSLER, Sc.,
CHARLES ELLSWORTH DAVIS, Ph.,
ELLIS BARKER DOWNEY, Ph.,
GEORGE FERGUSON FINNIE, Cl.,
HAYES DEARDORF GRAHAM, Ph.,
PAUL BARRICK GRAHAM, Sc.,
JOSEPH FREDERICK HASKINS, Sc.,
EDGAR JACOBS HEINRICH, Ph.,
CHESTER HOYT HILL, Cl.,
WALTER LEROY JORDAN, Sc.,
ARCHIBALD M. MCPHAIL, Cl.,
JOBANG MARAK, Cl.,
LESTER EDWIN MITCHELL, Cl.,
CARLOS ISAAC REED, Sc.,
HUGH WALLACE ROGERS, Sc.,
EDSON COLDREN RUPP, Ph.,
JAMES CLYDE SARGENT, Sc.,
JAMES DILLY THOMPSON, Sc.,
CARMIE LEWIS WARNER, Sc.,
ROBERT MONTE WARNER, Sc.,
EARL WATKINS, Sc.,
STEWART ELMER WATTERSON, Sc.,
ARDEN KIRK WHEELER, Sc.,
FRED ELLSWORTH WOLF, Cl.

Senior Class.

HORACE ROBERT BIGGS,	Granville.
BOYCE EMERSON BRADFORD,	Otsego.
EWART GLADSTONE CARNEY,	Granville.
HARRY BEAHAN CARNEY,	Granville.
ROLLA WALDO COCHRAN,	Trinway.
OLIVER PAUL CORWIN,	Columbus.
EDWIN BIXLER DAVIS,	Allur, India.
HARRY WILMER DYE,	New Matamoras.

VERGIL LAWRENCE EIKENBERRY,	Flora, Ind.
ALBY SWEET FLEMING,	Mt. Vernon.
CARL ALSTEIN FOSS,	Buffalo, N. Y.
WALLACE BRUCE FREEMAN,	Granville.
ARTHUR MELVIN HARSHBARGER,	Hillsboro.
NORMAN FREEMAN HASCALL,	Toledo.
HARRY DEMING HOPKINS,	Granville.
ROSS HOWELL,	Bladensburg.
ERNEST TRUMER KEMPER,	Granville.
DEANE S. KINTNER,	Bayard.
REID JESSE MCCAIN,	Flora, Ind.
IRA CLEVELAND MCCLAIN,	West Union, W. Va.
WALLACE WILLIAM MASTELLAR,	Mt. Vernon.
CHARLES OSWALD MITCHELL,	Toledo.
RALPH HARDING MORROW,	Granville.
WALLACE BRUCE OGDEN,	Granville.
ARTHUR CLAYTON PROUTY,	Granville.
WALLACE BUCKLEY ROACH,	Prome, Burma
HARRY JULIUS SCHULMAN,	Norwich, Conn.
LAWRENCE LEE SHANNON,	Newark.
ERJ JAY SHUMAKER,	Lorain.
LAURENCE EVERETT SMITH,	Naples, N. Y.
WELLS STOCT,	West Union, W. Va.
PAUL SPURGEON TRACY,	Hubbard.
ROBERT PAXON VICKERS,	Salem.

Junior Class.

DAVID BARTLEY,	Toledo.
WILLARD JASON CHAMBERLIN,	Milledgeville
EARL CHESHIRE,	Granville.
JAMES CALVITT CLARKE,	Brooklyn, N. Y.
ATWOOD AUGUSTUS CUTLER,	Carthage, Ill.
GEORGE WINFRED DAY,	Warren.
ROY BURTON DEER,	Harbor Beach, Mich.
ANDREW EVERETT HART,	Chicago, Ill.
ARTHUR LOWELL JOHNSON,	Granville.
WILLIAM CLIFTON JORDAN,	Greenville.
HAROLD KIER,	Granville.
ROY LEATHERMAN MCCANN,	Granville.
CHARLES WORK McLEES,	Duncan Falls.
CHARLES ALPHEUS POWELL,	Chillicothe.

DELBERT RANDALL PRATT,	Granville.
DAVID EDWARD REESE,	Massillon.
PAUL PRIOR RUGG,	Newark.
FRED PAUL SHELDON,	Granville.
EDWIN OTTO TANNERHILL,	Granville.
KENNETH LYON ULLMAN,	Granville.
WARD SHANKS WOLCOTT,	Conover.

Second Year Class.

CHARLES RAY BELL,	Hardinsburg, Ind.
JOHN LEANDER BJELKE,	Wellsville.
EDWIN COREY BOGGS,	Sattentapoly, India.
ROGER DERUITER FERRIS,	Toledo.
JAMES WILLIAM GAINFORT,	Wilkinsburg, Pa.
MELVIN HORACE GODFREY,	Lowell, Mich.
CHARLES LAURENCE GOODELL,	Granville.
GRAHAM HOLLAND HAMRICK,	Spencer, W. Va.
ALVAH ROY HARSHBARGER,	Hillsboro.
CHARLES HERBERT HASKINS,	Granville.
JAMES ASHLEY HUTCHINGS,	Kansas City, Kans.
WILLIAM CAREY KEMPER,	Granville.
WILLIAM ZALES LYNN,	Newark.
ARTHUR CLYDE MCINTYRE,	Toledo.
SAMUEL OSCAR MILLER,	Portsmouth.
HUGH BYRUM NICHOLSON,	St. Marys.
NELSON GADD RUPP,	Sandusky.
LEWIS DUDLEY SCOTT,	Granville.

First Year Class.

HARRY H. BELT,	Butler.
ELMER DUNLAP CLOSSMAN,	Zanesville.
WILLIAM LOUIS COSNER,	Newark.
ALVIN JAMES COOK,	New Dover.
MARION HENRY COOK,	New Dover.
FLOYD BARTON DUNSCOMB,	Adrain, Mich.
GEORGE WATKIN EDMUNDS,	Martin's Ferry.
RALPH THOMAS GRAYBURN,	Wilkinsburg, Pa.
ERVINE SULLIVAN HAMPTON,	Louisville, Ky.
ALFRED JANNEY JOHNSON,	Granville.
FRANK EARL KESLER,	Farmington, Ill.

KEITH WILLIAM LOWERY.	Granville.
DONALD CARLIS MCCOLLUM,	Granville.
JOHN MCCOWEN MARTIN.	Rochester, N. Y.
BOSIN GABEL MOMIN,	Tura, Assam.
WILLIAM FLEMING PORTER,	Ticonderoga, N. Y.
HAROLD TENNEY RICKERT,	Newark.
JOHN CHRISTIANO ROSA,	Boston, Mass.
GORDON STIFLER SEAGRAVE,	Rangoon, Burma.
DAVID HAROLD SPEICHER,	Kit Yang, China.
JAMES FRANKLIN STARR.	Chester, W. Va.
BERTHA MAUD BOGGS,	Sattenapoly, S. India.
RHODA LOUISE BOGGS,	Jorhat, Assam.
LYDIA BELL BUCKLAND,	Granville.
MAUD COCHRAN,	Granville.
MARGARET BANCROFT COLWELL,	Granville.
SARAH ILO CRAVEN,	Mt. Gillead.
LOIS C. DAVIS,	Granville.
ETHEL DICKEN,	Newark.
ALBERTA DICKINSON,	Cleveland.
ELEANOR FISHER,	Granville.
MARTHA GWENDOLIN GREELEY,	Lebanon.
ELAH DELONE HARRIS,	Granville.
MARGARET MARIE HEINRICH,	Ramapatan, India.
LAURA HERRICK,	Granville.
RUTH FLORY JONES,	Newark.
MARY SUTTON,	Shanghai, China.
LOUISE CLARE TILBEY,	Rangoon, Burma.

Electives.

DONALD McMAKIN CALLEY,	Jamaica Plains, Mass.
HOWARD CLARK,	Utica.
ELLIS BARKER DOWNEY,	Hebron.
DWIGHT PALMER ELY,	Madison.
FREEMAN ESSEX,	Troy.
EDGAR JACOB HEINRICH,	Ramapatan, India.
GRAFTON PARKER HILL,	Bellefontaine.
KENNETH JONES,	Granville.
RALPH ALBERT KNUTE,	Centerburg.
GLEN FINLEY LOWERY,	Granville.
ERNEST LEE MCCULLOUGH,	Cleveland.
LAWRENCE NEWTON MOORE,	Zanesville.

JAMES CALVIN MUNN,
ASA C. MYERS,
HARRY NEWSTED PHELPS,
JAMES MADISON POWERS,
MASON KENT READ,
EDSON COLDREN RUPP,
LANE ROBERT SCOTT,
EARL A. SHEPPARD,
WESLEY WRIGHT SHOWMAN,
RAYMOND BRADLEY STEVENS,
JOHN WILLIAM TRAINOR,
STARLING A. WEST,
JOHN BRICE WILLIAMS,
JAMES WATSON WOLFE,

Toledo.
Marysville.
Ashtabula.
Wendell, Mass.
Granville.
Sandusky.
Bryan.
Coshocton.
Hebron.
Conneaut.
Sparta.
Hillsboro.
Granville.
Ironton.

Students in the Conservatory of Music

DIPLOMAS CONFERRED, JUNE, 1910.

RUTH ESTHER ROCKWOOD, *Organ*,
NINA BINGER, *Voice*.

Graduate Students.

MAMIE ALLEN, *Organ*, Newark.
KARL HENRY ESCHMAN, *Organ and Piano*, Dresden.
RUTH ESTHER ROCKWOOD, *Piano and Composition*, Granville.

Seniors in the Diploma Course.

KARL HENRY ESCHMAN, *Organ*, Dresden.
RHEA MINERVA INGLER, *Piano*, Newark.
EDWYL MINERVA REDDING, *Piano*, Montrose, Cal.
ROBERTA WORLEY, *Piano*, Oklahoma City, Ok.
EVA WRIGHT, *Piano*, Croton.

Unclassified.

LEILA ADAMS, Ashtabula.
LELAND ASHUR ARNOLD, Mt. Vernon.
MILDRED GAYNELLE BAILEY, Waynesfield.
ALTA ELIZABETH BALDWIN, Marysville.
MARY LUCINDA BASH, Granville.
ETHEL INEZ BEBOUT, Alexandria.
GRACE MAY BECHTEL, Baltic.
ALICE C. BECKMAN, Newark.
ETHEL R. BENIDEN, Millersport.
BESSIE LENORE BENNETT, Momence, Ill.
MARGARET BENNETT, Newark.
ANNETTE WRIGHT BESUDEN, Newark.
JUANITA STEVENSON BOND, Granville.
PEARL BRADSHAW, Arabia.
CLYTIE HAZLETON BROWN, New Straitsville.
ZO DIXON BROWNE, Haskins.
NEWTON HANSCOMB CARMAN, Marietta.

EWART GLADSTONE CARNEY,	Granville.
WILLARD JASON CHAMBERLIN,	Millidgeville.
ETHEL CARLISLE CHESHSHIR,	Granville.
ALLIERET MARGARET CHRYSLER,	Granville.
PRISCILLA ALDEN CLARK,	Sheridan, Wyo.
MAUDE COCHRAN,	Granville.
FRANCES JUANITA COLLINS,	Newark.
MARGARET SCOTT CORNELL,	Coraopolis, Pa.
STELLA BERTHA COX,	Mt. Vernon.
SARAH ILO CRAVEN,	Granville.
VIRGINIA BROWN CRAWFORD,	Mitchell, Ind.
MARY FLORENCE CRILLY,	Newark.
LETHA CUMMINS,	Utica.
MARTHA JOY CUTLER.	Carthage, Ill.
FRANCES RIDLEY HAVERGAL DANN,	Thompson.
ELLA JEANNETTE DAY,	Warren.
LOIS ETHEL DEBERRY,	Terra Alta, W. Va.
MARY OUIDA DEBRA,	Dayton.
GERTRUDE DIVAN,	Coshocton.
ELLIS BARKER DOWNEY,	Hebron.
ELLA BLANCHE DULL,	Granville.
BERTHA MAE EBERLE,	Quaker City.
EDNA LUELLE EDWARDS,	Ironton.
MAY EDWARDS,	Newark.
MARY ADA ELLIOTT,	Bladensburg.
MRS. H. M. EVANS,	Newark.
AGNES BERTHA EWART,	Marietta.
ELEANOR E. FISHER,	Granville.
NELLIE ELLIOTT FLEMING,	Newark.
JULIA A. FOSTER,	Coshocton.
CECIL S. FREEMAN,	Broadway.
CARL CHESNEY GIBSON,	Granville.
HAZEL LUCILE GREENE,	Waterloo, Ia.
BESSIE MAY GREGG,	Genoa.
ESTELLE EMMA GRIFFETH,	Granville.
HARRIET ELIZABETH HAGGARD,	Watertown, Mass.
GRAHAM HOLLAND HAMRICK,	Spencer, W. Va.
ELAH DELONE HARRIS,	Granville.
CHARLES HERBERT HASKINS,	Granville.
LAURA ADELLA HATFIELD,	Dayton.
GEORGIA HIXSON,	Columbus.

MARJORIE FRANCES HOLDEN,	Martin's Ferry,
HARRY DEMING HOPKINS,	Granville.
RUTH ISABELLE HOPKINS,	Granville.
FLORENCE PAULINE JACKSON,	Newark.
RUTH FLOXY JONES,	Newark.
WILLIAM CLIFTON JORDAN,	Greenville.
MRS. C. B. KELLER,	Newark.
DELIA MAY KEYSER,	Bellefontaine.
MABEL A. KLINCK,	Kirkersville.
SELMA META LADZINSKI,	East Liverpool.
MARY HELEN LEMERT,	Newark.
HAZEL GERTRUDE LONG,	Council Bluffs, Ia.
LAURA LOWE,	Granville.
MARJORIE LEA McCUTCHEON,	Franklin, Va.
MARGARET K. McKIBBEN,	Granville.
KATHERINE MACK,	Canton.
OLIVE ORRELL MASON,	Tura, Assam.
MARIAN CHARLOTTE MILLER,	Salamanca, N. Y.
ROBERT BEMIS MILLER,	Salamanca, N. Y.
CHARLES WILLIAM MILLIKEN,	Bowling Green.
GRACE ZIMMERLY MOFFETT,	Paris, Ill.
MIRIAM LOUISE NICHOLS,	Bassein, Burma.
HELEN LOUISE NOIT,	Cambridge.
VERNE THEODOSIA PRESTON,	Alexandria.
MARY CAROLINE PUGH,	Mt. Gilead.
NORA LENA RAMSOWER,	Granville.
MARJORIE RETTIG,	Troy.
MARIAN GRAYSON ROSE,	Granville.
ADA BELINDA ROUDERUSH,	Newtonville.
LOUYS ANTHONY RUMSEY,	Stryker.
MAUDE M. SANFORD,	Newark.
VIOLA GERTRUDE SAVIERS,	Kirkersville.
GORDON STIFLER SEAGRAVE,	Granville.
EDNA ELIZA SELLERS,	Mt. Vernon.
CECILE BELLE SHREVE,	Union City, Pa.
IRENE EMMA SIMPSON,	Newark.
MARY HENRIETTA SMITH,	East Cleveland.
MABEL WYATT SMUCKER,	Newark.
DAVID HAROLD SPEICHER,	Granville.
GWLADYS SPENCER,	Granville.
SARAH WOOD STABEL,	Newark.

RUTH STEWART,	Newark.
HARRY FRANKLIN SWEET,	Ashtabula.
MINNIE TWINING,	Granville.
VERA TYGARD,	Hebron.
ALICE WARNER,	Granville.
ESTHER VIOLA WARNER,	Granville.
HATTIE AURILLA WEAVER	Gibson.
RUTH ELEANOR WEAVER,	Newark.
MILDRED BURDELLE WHITE,	Bucyrus.
HOMER EDGAR WICKENDEN,	Toledo.
ETHEL MAY WILDEMUTH,	Pleasantville.
GRACE VANCE WILSON,	Newark.
JAMES WATSON WOLFE,	Ironton.
EVA LUCILE WRIGHT,	Granville.
LAURA HESTER WRIGHT,	Washington, Ind.

Students in the School of Art

RUTH ABELL,	Toledo,
RUTH ALICE ADLER,	Canton.
ELIZABETH AGLER,	Columbus.
MRS. CARRIE ALTROGGE,	Granville.
MARIETTA BALL,	Akron, N. Y.
GRACE BATEMAN,	Fredericktown.
JOHN LEANDER BJELKE,	Wellsville.
GRACE ADELLE BOND,	Granville.
CLYDIE HAZELTON BROWN,	New Straitsville.
BESSIE BELLE BRUCE,	Garrettsville.
RUTH BRYANT,	Toledo.
ALICE M. BULLETT,	Buffalo, N. Y.
EWART GLADSTONE CARNEY,	Granville.
FRANCES COLLINS,	Newark.
MARJORIE COLLINS,	Newark.
MARY DAY,	Granville.
LAURELL DE VOL,	Marietta.
BERTHA MAE EBERLE,	Quaker City.
AGNES BETTIE EWART,	Marietta.
CLARA DANIELS FIFIELD,	Pawtucket, R. I.
LUELLA GRAHAM,	Paris, Ill.
BESSIE MAY GREGG,	Genoa.
HARRIET E. HAGGARD,	Watertown, Mass.
ROY S. HAGGARD,	Watertown, Mass.
RUTH FREEMAN HASTINGS,	Akron.
CAROLYN HUNT,	Granville.
ANNA E. HUTCHINSON,	Granville.
OLIVE ANN JENKINS,	Lorain.
RACHEL JONES,	Granville.
VIOLA MAE JOHNSON,	Cincinnati.
ARDEN B. JUDD,	Fort Worth, Texas.
DELIA MAY KEYSER,	Bellefontaine.
JESSIE M. LAING,	Bedford.
MAGDALEN LEWIS,	Granville.
EDITH ANNA LONGRON,	Liverpool.
HAZEL LILIAN MARTIN,	Hebron.

MARGARET KENDALL MCKIBBEN,	Granville.
MARY LOUISE MCKIBBEN,	Granville.
JOICY FAYE MCKINNEY,	Ben's Run, W. Va.
MARGUERITE McNUTT,	McConnellsville.
ELIZABETH NEFF,	Newark.
BESSIE NICHOLS,	Beaver Dam, Wis.
HARMON AUSBURN NIXON, JR.,	Granville.
BEATRICE ELIZABETH O'NEAL,	Kenton.
EDITH MARGARET PHILBROOK,	Johnstown.
MASON KENT READ,	Granville.
MABEL E. RELLER,	Richmond, Ind.
JULIA IRENE ROGERS,	Granville.
EMMA LOUELLA ROSE,	Collins.
ADA BELINDA ROUDEBUSH,	Newtonville.
GORDON STIFLER SEAGRAVE,	Rangoon, Burma.
RACHEL SEAGRAVE,	Rangoon, Burma.
ROWENA SMITH,	Bowling Green.
FAY STEWART,	Newark.
RUTH STEWART,	Newark.
MARY SUVONG,	Shanghai, China.
ISABEL DIBBLE TALBOTT,	Sistersville, W. Va.
IVAN RAY TANNEHILL,	McConnellsville.
JOY FLORENCE TRACY,	Hubbard.
MRS. CHARLES WATKINS,	Granville.
EDNA WATKINS,	Etna.
HOMER EDGAR WICKENDEN,	Toledo.
FLORENCE EDNA WILSON,	Newark.
ERNEST F. WOODWARD,	Washington C. H.
LAURA HESTER WRIGHT,	Washington, Ind.

Summary of Student Attendance

Graduate Students	2	
Seniors, Granville College	42	
Shepardson College	27	
	69	
Juniors, Granville College	33	
Shepardson College	23	
	56	
Sophomores, Granville College	57	
Shepardson College	40	
	97	
Freshmen, Granville College	76	
Shepardson College	71	
	147	
Special Students, Granville College	41	
Shepardson College	26	
	67	
Shepardson Two-Year Course	9	
Doane Academy, Senior Year	33	
Junior Year	21	
Second Year	18	
First Year	38	
Electives	26	
	136	
Shepardson Preparatory, Senior Year	7	
Third Year	5	
Second Year	6	
Electives and Specials	30	
	48	
Conservatory of Music	121	
School of Art	65	
	604	
Total enrollment, exclusive of all repetitions	604	

Schedule of Courses and Hours

All odd numbered courses in the following tables belong to the First Semester, even numbered courses to the Second.

The figure in the first column to the right of the name of the course indicates the number of hours credit given; the next column gives the page of the catalogue on which the course is described; the third column to the right of the course name indicates the division of certain courses into sections, or into lecture and laboratory work. In the columns headed with the names of the days of the week is indicated the hour of recitation for each day on which the class meets. The student will of course use this schedule in connection with the statement of general requirements of the Group which he has chosen, and with the full description of courses given in the detailed statements of the various departments of study. Starred courses (*) are either given only on alternate years or have some other peculiarity which cannot be given in the schedule and for which the student must consult the full description of the course, which will easily be found by using the page reference in the third column.

The Gymnasium hours scheduled are for the required physical exercise of Freshmen, Sophomores and electives of not more than two years' attendance. The detailed assignment of days for individual students will be arranged with the Physical Director.



CORRECTION!!!

The previous document(s) may
have been filmed incorrectly...

Reshoot follows

Summary of Student Attendance

Graduate Students	2	
Seniors, Granville College	42	
Shepardson College	27	69
<hr style="width: 10%; margin-left: 0;"/>		
Juniors, Granville College	33	
Shepardson College	23	56
<hr style="width: 10%; margin-left: 0;"/>		
Sophomores, Granville College	57	
Shepardson College	40	97
<hr style="width: 10%; margin-left: 0;"/>		
Freshmen, Granville College	76	
Shepardson College	71	147
<hr style="width: 10%; margin-left: 0;"/>		
Special Students, Granville College	41	
Shepardson College	26	67
<hr style="width: 10%; margin-left: 0;"/>		
Shepardson Two-Year Course	9	
Doane Academy, Senior Year	33	
Junior Year	21	
Second Year	18	
First Year	38	
Electives	26	136
<hr style="width: 10%; margin-left: 0;"/>		
Shepardson Preparatory, Senior Year	7	
Third Year	5	
Second Year	6	
Electives and Specials	30	48
<hr style="width: 10%; margin-left: 0;"/>		
Conservatory of Music	121	
School of Art	65	
<hr style="width: 10%; margin-left: 0;"/>		
Total enrollment, exclusive of all repetitions	604	

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The Gymnasium hours scheduled are for the required physical exercise of Freshmen, Sophomores and electives of not more than two years' attendance. The detailed assignment of days for individual students will be arranged with the Physical Director.

Schedule of Courses and Hours

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Astronomy 2.....	2	43		8 40	8 40	8 40				Professor Gilpatrick
Botany 1 and 2.....	3	67	Lec.		1 20	1 30	1 30			Professor Stickney
			Lab. 1		2 30		2 30			
			Lab. 2		2 30		2 30			
Botany 3 and 4.....	4	67	Lec.		11 00		11 00			Professor Stickney
			Lab.			2 30		2 30		
Botany 5 and 6.....	2	67	Lec.		7 40					Professor Stickney
			Lab.							
*Botany 9 and 10.....	2	68	Lec.					7 40		Professor Stickney
			Lab.			7 40		8 40		
*Botany 11.....	2	68	Lec.					7 40		Professor Stickney
			Lab.			7 40		8 40		
Botany 12.....	2	68	Lec.		7 40			7 40		Miss Davies
			Lab.		8 40			8 40		
*Botany 13.....	1	68								Professor Stickney
Botany 17-18.....	2	69								Professor Stickney
*Botany 19 and 20.....		69								Professor Stickney

Schedule of Courses and Hours—Continued

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Chemistry 1-2.....	4	60	Lec.	11:00		11:00				Professor Brumback
			Lab.		10:00		10:00			
Chemistry 3 and 4....	2	60	Lab.		10:00			10:00		Professor Brumback
					11:00		11:00			
Chemistry 5 and 6....	3	60	Lab.	2:30		2:30		2:30		Professor Brumback
				3:30		3:30		3:30		
Chemistry 7 and 8....	1	60	Lec.	7:40						Professor Brumback
Chemistry 9 and 10....	4	60	Lec.	1:30			1:30			Professor Brumback
			Lab.		1:30			1:30		
*Chemistry 11-12.....			Lab.	7:40	7:40	7:40	7:40	7:40		Professor Brumback
				8:40	8:40	8:40	8:40	8:40		
*Chemistry 13 and 14...		60								Professor Brumback
*Chemistry 15 and 16...		60								Professor Brumback
Engineering 1 and 2...	2	57		2:30		1:30				Act. Prof. Johnson
				3:30		2:30				
Engineering 3.....	4	58		10:00	10:00	10:00	10:00			Act. Prof. Johnson
				11:00	11:00	11:00	11:00			
Engineering 4.....	4	58		7:40	7:40	7:40	7:40			Act. Prof. Johnson
				8:40	8:40	8:40	8:40			

Schedule of Courses and Hours—Continued

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
*Engineering 5.....	4	58		{ 1:30	1:30	1:30	1:30	.....	.....	Act. Prof. Johnson
				{ 2:30	2:30	2:30	2:30	.....	.....
Engineering 6.....	2	58	.....	{ 1:30	.....	1:30	.....	.....	.....	Act. Prof. Johnson
				{ 2:30	.....	2:30	.....	.....	.....
Engineering 7.....	4	58	.....	7:40	7:40	7:40	7:40	.....	.....	Act. Prof. Johnson
Engineering 8.....	4	59	.....	10:00	10:00	10:00	10:00	.....	.....	Act. Prof. Johnson
Engineering 9-10.....	4	59	.....	.....	7:40	.....	7:40	.....	.....	Act. Prof. Johnson
Engineering 11.....	4	59	.....	{ 1:30	1:30	1:30	1:30	.....	.....	Act. Prof. Johnson
				{ 2:30	2:30	2:30	2:30	.....	.....
Engineering 12.....	1	59	.....	.....	.....	7:40	.....	.....	.....	Act. Prof. Johnson
*Engineering 13.....	1	59	.....	7:40	.....	.....	.....	.....	.....	Act. Prof. Johnson
*Engineering 14.....	2	59	.....	.....	.....	.....	.....	.....	.....	Act. Prof. Johnson
English 1 and 2.....	3	47	{ Sec. 1	.....	8:40	8:40	.....	8:40	.....	Asst. Prof. Pence
			{ Sec. 2	.....	2:30	2:30	.....	2:30	.....
English 3 and 4.....	3	47	.....	11:00	.....	11:00	.....	11:00	.....	Professor Williams
English 5.....	1	47	.....	10:00	.....	.....	.....	.....	.....	Professor Williams
English 6.....	2	48	.....	.....	8:40	.....	8:40	.....	.....	Miss Montgomery
English 7.....	4	48	.....	1:30	1:30	.....	1:30	1:30	.....	Professor Chamberlin

Schedule of Courses and Hours—Continued

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
English 8.....	5	48	.....	8:40	.....	8:40	.....	8:40	.....	Miss Montgomery
English 9 and 10.....	2	48	.....	.....	11:00	.....	11:00	.....	.....	Professor Williams
*English 11.....	2	48	.....	.....	.....	11:00	.....	11:00	.....	Miss Montgomery
English 12.....	2	48	.....	.....	.....	.....	.....	.....	.....	Professor Chamberlin
English 13.....	3	48	.....	11:00	11:00	.....	11:00	.....	.....	Miss Montgomery
English 14.....	2	48	.....	.....	.....	10:00	.....	10:00	.....	Professor Williams
English 15.....	2	48	.....	.....	7:40	.....	7:40	.....	.....	Miss Montgomery
English 17 and 18.....	2	48	.....	.....	1:30	.....	1:30	.....	.....	Asst. Prof. Pence
Free Hand Drawing...	1	73	{ Sec. 1	.....	{ 1:30	.....	.....	.....	.....	Miss Parsons
			{ Sec. 2	{ 2:30	{ 1:30	{ 2:30	
French 1 and 2.....	4	45	{ Sec. 1	8:40	8:40	.....	8:40	8:40	.....	Professor McKibben and Mr. Odebrecht
			{ Sec. 2	1:30	1:30	.....	1:30	1:30	.....
French 3 and 4.....	4	45	.....	1:30	1:30	.....	1:30	1:30	.....	Professor McKibben
French 5.....	3	46	.....	7:40	7:40	7:40	.....	.....	.....	Professor McKibben
French 6.....	3	46	.....	.....	.....	7:40	7:40	7:40	.....	Professor McKibben
French 7 and 8.....	1	46	.....	.....	.....	1:30	.....	.....	.....	Professor McKibben
French 11.....	3	46	.....	.....	.....	.....	.....	.....	.....	Mr. Odebrecht

Schedule of Courses and Hours—Continued

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
French 12.....	3	46								Professor McKibben
*Geology 1.....	4	56	{ Lec.	8:40		8:40				Professor Carney
			{ Lab.							
Geology 2.....	2	56			1:30		1:30			Professor Carney
*Geology 3 and 4.....	4	56	{ Lec.		11:00		11:00			Professor Carney
			{ Lab.							
Geology 5 and 6.....	3	56	{ Sec. 1		10:00		10:00			Professor Carney
			{ Sec. 2	11:00		11:00				
*Geology 7.....	2	56		8:40			8:40			Professor Carney
*Geology 8.....	3	57		7:40	7:40	7:40	7:40			Professor Carney
*Geology 9 and 10.....	2	57								Professor Carney
*Geology 11 and 12.....	2	57								Professor Carney
German 1 and 2.....	4	51	{ Sec. 1	10:00	10:00		10:00	10:00		Professor Chamberlin and Mr. Odebrecht
			{ Sec. 2	1:20	1:30		1:20	1:20		
German 3 and 4.....	4	51		10:00	10:00		10:00	10:00		Professor Chamberlin
German 5 and 6.....	3	52		7:40		7:40		7:40		Professor Chamberlin
German 7 and 8.....	3	52		8:40		8:40		8:40		Professor Chamberlin
German 9 and 10.....	2	52			8:40		8:40			Professor Chamberlin
Greek 1 and 2.....	4	43		10:00	10:00		10:00	10:00		Professor Colwell

Schedule of Courses and Hours—Continued

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Greek 3 and 4.....	4	44	.....	7:40	7:40	.....	7:40	7:40	.....	Professor Colwell
Greek 5.....	4	44	.....	8:40	8:40	.....	8:40	8:40	.....	Professor Colwell
Greek 6.....	3	44	.....	.....	1:30	.....	1:30	1:30	.....	Professor Colwell
Greek 8.....	3	44	.....	.....	8:40	.....	8:40	8:40	.....	Professor Colwell
Gymnasium Hours....	4	73	{ Sec. 1 Sec. 2 Sec. 2	..... 2:30	7:40 ..... .....	..... ..... 2:30	..... ..... 2:30	7:40 2:30	.....	Mr. Freeman
Gym. Shp. Col.....			Fr. I Fr. II Soph. Jr. Adv. Prep. I Prep. II	2:30 4:00 3:30	..... ..... 8 P. M. ..... .....	..... 4:00 2:30 .....	..... ..... 8 P. M. ..... .....	..... ..... 3:30 ..... .....	.....	Miss Chase
History 1 and 2.....	4	53	.....	2:30	2:30	2:30	2:30	.....	.....	Mr. Heater
History 3 and 4.....	3	53	.....	1:30	.....	1:30	.....	1:30	.....	Professor Goodell
History 5.....	4	54	.....	8:40	8:40	8:40	8:40	.....	.....	Professor Goodell
History 6.....	4	54	.....	8:40	8:40	8:40	8:40	.....	.....	Professor Goodell
History 7 and 8.....	2	54	.....	.....	1:30	.....	1:30	.....	.....	Professor Goodell
History 9.....	3	54	.....	7:40	.....	7:40	.....	7:40	.....	Professor Goodell
History 11 and 12....	3	55	.....	8:40	.....	8:40	.....	8:40	.....	Mr. Heater
History 13.....	4	55	.....	7:40	7:40	7:40	7:40	.....	.....	Mr. Heater
History 14.....	3	55	.....	7:40	.....	7:40	.....	7:40	.....	Professor Goodell
History of Art 2.....	1	70	.....	.....	.....	.....	11:00	.....	.....	Dean Loveridge
History of Art 3.....	4	70	.....	8:40	8:40	8:40	8:40	.....	.....	Dean Loveridge
*History of Art 4.....	4	70	.....	8:40	8:40	8:40	8:40	.....	.....	Dean Loveridge

Schedule of Courses and Hours—Continued

NAME OF COURSE	CREDIT	PAGE		MON	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
*History of Art 8.....	4	71	.....	8:40	8:40	8:40	8:40	.....	.....	Dean Loveridge
Italian 2.....	4	46	.....	.....	8:40	8:40	8:40	8:40	.....	Professor McKibben
Italian 3.....	4	46	.....	.....	8:40	8:40	8:40	8:40	.....	Professor McKibben
Latin 1 and 2.....	4	49	Sec. 1	7:40	7:40	7:40	.....	7:40	.....	Asst. Prof. Pence
			Sec. 2	11:00	11:00	11:00	.....	11:00	.....	Professor Johnson
Latin 3 and 4.....	4	50	.....	8:40	8:40	8:40	.....	8:40	.....	Professor Johnson
Latin 5 and 6.....	4	50	.....	10:00	10:00	10:00	.....	10:00	.....	Professor Johnson
Latin 7 and 8.....	2	50	.....	1:20	.....	1:20	.....	.....	.....	Professor Johnson
Latin 9 and 10.....	2	50	.....	.....	1:20	.....	.....	1:20	.....	Professor Johnson
*Latin 11 and 12.....		50	.....	.....	.....	.....	.....	.....	.....	Professor Johnson
Logic 5 and 6.....	3	42	.....	7:40	.....	7:40	.....	7:40	.....	Mr. Spencer
			Sec. 1	7:40	7:40	7:40	7:40	.....	.....	} Professor Gilpatrick and Assoc. Prof. Peckham
			Sec. 2	8:40	8:40	8:40	8:40	.....	.....
.....
Mathematics 1.....	4	42	.....	10:00	10:00	10:00	10:00	.....	.....	.....
Mathematics 1a.....	4	.....	.....	.....	.....	.....	.....	.....	.....	Professor Gilpatrick
Mathematics 2 and 3...	4	43	Sec. 1	7:40	7:40	7:40	7:40	.....	.....	} Professor Gilpatrick and Assoc. Prof. Peckham
			Sec. 2	11:00	11:00	11:00	11:00	.....	.....
Mathematics 4.....	4	43	.....	10:00	10:00	10:00	10:00	.....	.....	Professor Gilpatrick
Mathematics 5.....	3	43	.....	10:00	.....	10:00	10:00	.....	.....	Professor Gilpatrick

Schedule of Courses and Hours—Continued

NAME OF COURSE	CREDIT	PAGE	MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
Mathematics 6.....	4	43	11:00	11:00	11:00	11:00			Professor Gilpatrick
*Mathematics 7.....	4	43	11:00	11:00	11:00	11:00			Assoc. Prof. Peckham
Mathematics 10.....	3	43		8:40	8:40	8:40			Professor Gilpatrick
Music 3.....	2	71		2:30		2:30			Asst. Prof. Coons
Music 4.....	2	71	8:40			8:40			Mr. Wood
Music 5 and 6.....	3	71	1:30		1:30		1:30		Mr. Wood
Music 7 and 8.....	3	71	11:00		11:00		11:00		Mr. Wood
Music 9 and 10.....	3	71	10:00		10:00		10:00		Mr. Wood
Music 11 and 12.....	2	71		10:00		10:00			Mr. Wood
Music 13 and 14.....	2	72		8:40			8:40		Mr. Wood
Music 15 and 16.....	2	72		11:00		11:00			Mr. Wood
Music 17.....	2	72	8:40			8:40			Mr. Wood
*Pedagogy 1 and 2.....	3	69	7:40	7:40	7:40				Dean Loveridge
*Pedagogy 3 and 4.....	3	69	7:40	7:40	7:40				Dean Loveridge
Philosophy 1.....	1	42				11:00			President Hunt
Philosophy 3.....	4	42		10:00	10:00	10:00	10:00		President Hunt
Philosophy 4.....	5	42	10:00	10:00	10:00	10:00	10:00		President Hunt

Schedule of Courses and Hours—Continued

NAME OF COURSE	CREDIT	PAGE		MON	TUES	WED	THURS	FRI	SAT.	NAME OF INSTRUCTOR
Physics A and C.....	2	64		11:00		11:00		11:00		Asst. Prof. Coons
Physics B and D.....	2	64	Lab. I		10:00		10:00			Asst. Prof. Coons
					11:00		11:00			
			Lab. II		1:30		1:30			Asst. Prof. Coons
					2:30		2:30			
Physics 1-2.....	2	64			8:40	8:40		8:40		Professor Lawton
Physics 3.....	4	64	Lab.		7:40	7:40	7:40	7:40		Asst. Prof. Coons
					8:40	8:40	8:40	8:40		
Physics 4-5.....	4	64	Lec.				7:40			4. Asst. Prof. Coons
			Lab.		7:40	7:40		7:40		5. Professor Lawton
					8:40	8:40		8:40		
Physics 6.....	3	65		11:00		11:00		11:00		Professor Lawton
Physics 7.....	2	65			11:00		11:00			Asst. Prof. Coons
					1:30		1:30			
Physics 8-10.....	4	65	Lab.			1:30		1:30		Professor Lawton
					2:30		2:30			
Physics 11 and 12.....	1	66		8:40						Professor Lawton
Physics 13 and 14.....	1	66								Professor Lawton
*Physics 15 and 16.....		66								Professor Lawton
Physics 17.....	2	66			2:30		2:30			Asst. Prof. Coons

Schedule of Courses and Hours—Continued

NAME OF COURSE	CREDIT	PAGE		MON.	TUES.	WED.	THURS.	FRI.	SAT.	NAME OF INSTRUCTOR
*Public Speaking 1 & 2	3	72	.....	.....	.....	.....	.....	.....	.....	Mr. Hoppe
*Public Speaking 3 & 4	3	72	.....	.....	.....	.....	.....	.....	.....	Mr. Hoppe
*Public Speaking 5.....	2	72	.....	.....	.....	.....	.....	.....	.....	Mr. Hoppe
*Public Speaking 8.....	2	72	.....	.....	.....	.....	.....	.....	.....	Mr. Hoppe
*Public Speaking 9.....	3	72	.....	.....	.....	.....	.....	.....	.....	Mr. Hoppe
Spanish 1 and 2.....	4	46		7:40	7:40		7:40	7:40		Professor McKibben
Zoology 1 and 2.....	3	61	{ Lec.			1:30				Professor Coghill and Professor Stickney
			{ Lab. I			1:30	1:30			
					2:30		2:30			
			{ Lab. II		2:30		2:30			
Zoology 3 and 4.....	4	61	{ Lec.		11:00		11:00			Professor Coghill
			{ Lab.			2:30		2:30		
Zoology 5 and 6.....	3	61	{ Lec.		8:40			3:30		Professor Coghill
			{ Lab.			7:40		7:40		
Zoology 7 and 8.....	3	62	{ Lec.				8:40			Professor Coghill
			{ Lab.			7:40		7:40		
Zoology 9.....	1	62			7:40			8:40		Professor Coghill
Zoology 10.....	3	62	{ Lec.				8:40			Professor Coghill
			{ Lab.			7:40		7:40		
*Zoology 12.....	3	62	{ Lec.				11:00			Professor Coghill
			{ Lab.			2:30		2:30		
*Zoology 13 and 14.....		63	Professor Coghill
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