

University Publications

Sixty-Eighth Year—No. 3

Alfred University

College Catalogue



1903-1904

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THE SIXTY-EIGHTH COMMENCEMENT OF ALFRED UNIVERSITY will occur in June, Nineteen Hundred and Four. The exercises begin Saturday morning, June 16th, and close Thursday evening, June 23d.

All former students of the University, whether graduates or not, and all other friends of the Institution and of higher education, are cordially invited to be present.

ANY ALUMNUS who does not receive a copy of the CATALOGUE, or who changes his residence will confer a favor by sending his address to the Registrar; and any person who can furnish obituary notices of deceased Alumni, or any information that may help to make or keep the Directory of the Alumni complete, will render a service by sending such information to the Registrar.

Alumni who are authors of published books, or scientific or literary articles, will confer a favor by sending a copy of each to the University Library.

ON APPLICATION TO THE REGISTRAR, the Catalogue will be sent to young men and young women preparing for college or contemplating higher education.

LETTERS OF INQUIRY may be addressed to The President, Alfred, N. Y.

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1903--1904

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COLLEGE CALENDAR

First Semester 1903-1904

Registration, Entrance Examinations	Tuesday	Sept. 15
Instruction begins	Wednesday morning	Sept. 16
Election Day	Tuesday	Nov. 3
Thanksgiving Recess begins	Wednesday evening	Nov. 25
THANKSGIVING RECESS		
Instruction resumed	Monday morning	Nov. 30
Pounders' Day	Saturday	Dec. 5
Holiday Recess begins	Tuesday evening	Dec. 22
HOLIDAY RECESS		
1904		
Instruction resumed	Wednesday morning	Jan. 6
Semester Examinations begin	Monday	Jan. 25
Examinations end, Semester ends	Friday evening	Jan. 29
MID-YEAR RECESS		

Second Semester 1903-1904

Instruction begins	Wednesday morning	Feb. 3
Lincoln's Birthday	Friday	Feb. 12
Washington's Birthday	Monday	Feb. 22
Spring Recess begins	Wednesday evening	Apr. 6
SPRING RECESS		
Instruction resumed	Wednesday morning	Apr. 13
Memorial Day	Monday	May 30
Examinations begin	Monday	June 13
Examinations end	Friday	June 17
SIXTY-EIGHTH ANNIVERSARY		
Annual Sermon before Christian Associations	Saturday morning	June 18
Alleghanian Lyceum, Public Session	Saturday evening	June 18
Baccalaureate Sermon	Sunday evening	June 19
Academy Graduation Exercises	Monday afternoon	June 20
Alfriedian Lyceum, Public Session	Monday evening	June 20
Orophilian Lyceum, Public Session	Tuesday morning	June 21
Athenaeum Lyceum, Public Session	Tuesday afternoon	June 21

Annual Concert
 Annual Meeting of Trustees, 10 o'clock
 Stockholders' Meeting, 1 o'clock
 Trustee Meeting, Re-organization, 2 o'clock
 Alumni Association, Directors' Meeting
 Alumni Association, Public Session
 Alumni Association, Banquet
 Commencement Exercises, 9:30 o'clock
 Class Exercises
 President's Reception

Tuesday evening	June 21
Tuesday morning	June 21
Tuesday afternoon	June 21
Tuesday afternoon	June 21
Wednesday morning	June 22
Wednesday afternoon	June 22
Wednesday evening	June 22
Thursday morning	June 23
Thursday afternoon	June 23
Thursday evening	June 23

SUMMER VACATION

First Semester 1904-1905

Registration, Entrance Examinations
 Instruction begins
Election Day
 Thanksgiving Recess begins

Tuesday	Sept. 20
Wednesday morning	Sept. 21
Tuesday	Nov. 8
Wednesday evening	Nov. 23

THANKSGIVING RECESS

Instruction resumed
Founders' Day
 Holiday Recess begins

Monday morning	Nov. 28
Monday	Dec. 5
Wednesday evening	Dec. 21

HOLIDAY RECESS

Instruction resumed
 Semester Examinations begin
 Examinations end, Semester ends

	1905
Wednesday morning	Jan. 4
Monday	Jan. 23
Friday evening	Jan. 27

MID-YEAR RECESS

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L. EMILE BABCOCK, representing Orophilians
EMMA K. CARTWRIGHT, representing Alfredians
MARY A. BURDICK, representing Athenæans

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(1895)

Professor of Ethics.

A. B., Alfred University, '90; A. M., '93; D. B., Yale University, '93; Ph. D., National Normal University, '97; D. D., Alfred University, 1901; Graduate Student, Columbia University, 1897; Member College Council University of New York State, 1896-1900; Member National Educational Association; Member Religious Educational Association.

IDA F. KENYON, A. M., (1854)

Emeritus Professor of Modern Languages.

EDWARD M. TOMLINSON, A. M., (1867)

William B. Maxson Professor of the Greek Language
and Literature.

A. B., Bucknell University, '67; A. M., '71; Professor of the Greek Language and Literature, Alfred University, 1867-71, and also Professor of the Latin Language and Literature, 1870-'71; Student at the Universities of Berlin and Leipsic, 1872-74; Professor of Greek, Latin, and German at Germantown Academy, 1875-'77; William B. Maxson Professor of the Greek Language and Literature, Alfred University, 1881—.

ALPHEUS B. KENYON, S. M., (1874)

Rhode Island Professor of Mathematics, and George
B. Rogers Professor of Industrial Mechanics.

S. B. Alfred University, '74; S. M., '77; George B. Rogers Professor of Industrial Mechanics, 1874-85, 1886-88, and 1897-; Professor of Mathematics 1875- . Member National Educational Association.

William A. Rogers Professor of Astronomy.

WILLIAM CALVIN WHITFORD, A. M., (1893)

Professor of Biblical Languages and Literature.

A. B., Colgate University, '86; A. M., '90; Graduate of Union Theological Seminary, '92.

ALBERT ROGERS CRANDALL, A. M., Ph. D., (1896)

Professor of Natural History.

A. B., Milton College, '73; A. M., '76; Ph. D., '85; Museum of Comparative Zoology, Harvard University, 1868-73; First Assistant Kentucky Geological Survey, 1873-92; Professor of Natural History, Kentucky State College, 1874-90. Fellow of the American Association for the Advancement of Science; Fellow of the Geological Society of America.

OTHO P. FAIRFIELD, A. M., (1896)

William C. Kenyon Professor of the Latin Language and Literature, and Professor of English.

A. B., Union Christian College, '86; A. M., 1900; A. B., University of Chicago, '96; Professor of English and Pedagogy, Union Christian College, 1887-92; Principal of Clarinda Institute, Clarinda, Iowa, 1892-95; Graduate Student, University of Chicago, 1895-96.

FRANK GREENE BATES, L. B., Ph. D., (1897)

Charles Potter Professor of History and Political Science.

L. B., Cornell University, '91; Ph. D., Columbia University, '99; Boston University Law School, 1892-93; Graduate Student, Cornell University 1893-94; Examiner in American History, Cornell University, 1894-95; Fellow in Cornell University, 1895-96; University Fellow, Columbia University, 1896-97.

EDWARD S. BABCOCK, S. M., (1899)

Babcock Professor of Physics, and Professor of Chemistry.

S. M., Alfred University, '99; Instructor in Science, Buffalo State Normal School, 1888-90; Professor of Physics and Manual Training, Baptist Normal Institute, Memphis, Tennessee, 1891-92; Principal High Schools, New York State, 1892-99; Lecturer in Science, Summer Institute, Chautauqua, 1897—; Professor of Chemistry in Chautauqua Educational System, 1903—.

CHARLES BEED CLARK, S. M., A. M., (1902)

Professor of Philosophy and Education.

S. B., Battle Creek College, '88; S. M., '92; A. B., Michigan University, 1901;
A. M., Alfred University, 1902; Graduate Student, Yale University, 1890-91;
Graduate Student, Michigan University, 1900-01; Professor of History,
Union College, Nebraska, 1891-98.

CATHERINE FOXCROFT CROCKER, (1901)

Instructor in French and German.

Graduated from Abbot Academy, Andover, Mass., 1887; Studied in Munich,
1894; in the University of Paris, 1899-1901.

ETHEL A. MIDDAUGH, (1901)

Director of Music.

Graduate of the New England Conservatory of Music, 1900; Director of
Music, Chamberlain Institute, 1900-01.

WALTER L. GREENE, A. B., (1902)

Instructor in Physical Training.

A. B., Alfred University, 1902.

CLAUDE I. LEWIS, S. B., (1903)

Instructor in Natural History and Agriculture.

S. B., Mass. Agricultural College, 1902; S. B., Boston University, 1902;
Sub-Master and Instructor in Science in the High School, Rockland, Mass.,
1902-03.

JULIA RUSSELL, L. B., (1903)

Instructor in English and Expression.

L. B., Ohio Wesleyan University, 1901; Graduate Student, Wellesley College,
1901-02 and Boston University, 1902-03.

LINTON B. CRANDALL,

Foreman of Carpenter Shop.

ALLEN W. CORWIN,

Foreman of Machine Shop.

LECTURERS

On the Alumni Foundation

1902-1903

Prof. EDWIN H. LEWIS, Ph. D., '87,	Chicago, Ill.
<i>"Some Poetic Views of the Future Life"</i>	Oct. 27
<i>"Shakespeare's View of the Life that now is"</i>	Oct. 28
Hon. HENRY E. TURNER, LL. D.,	Lowville, N. Y.
<i>"The Relation of Higher Education to Good Citizenship"</i>	Nov. 20
Pres. GEO. SCOTT, Ph. D., '77,	Westerville, O.
<i>"Greece Then and Now"</i>	May 28

OFFICERS OF ADMINISTRATION

BOOTHE COLWELL DAVIS, President and University Chaplain
EDWARD M. TOMLINSON, Librarian and Secretary of Faculty
ALPHEUS B. KENYON, Registrar
WILLIAM H. CRANDALL, Treasurer
LOISANNA T. STANTON, Associate Librarian
CLAUDE I. LEWIS, Curator of Allen Museum
JULIA RUSSELL, Preceptress and Head of Ladies Hall
JOHN E. VINCENT, Head of Burdick Hall
MARGARET B. FULLER, Matron
MRS. CLARA B. COON, Head of Boarding Department
LEWIS S. BEVEA, Chief Janitor and Superintendent of Grounds

GENERAL INFORMATION

Location

ALFRED UNIVERSITY is located at Alfred, Allegany County, New York, conveniently near the Alfred Station of the Erie Railroad. The University town occupies a beautiful situation among lofty and rugged hills, near the head waters of the Susquehanna, Genesee, and Allegheny Rivers.

Its altitude of eighteen hundred feet above the sea level exceeds that of many popular health resorts. This high altitude furnishes clear, bracing atmosphere, excellent drainage, pure water, and other healthful conditions.

No liquor license has been granted at Alfred for more than half a century, and it is comparatively free from the ordinary allurements to vice and dissipation, and from the temptations often attending student life. An atmosphere of culture, refinement, and good order pervades the community, and in every way the influences of the town are of the most salutary kind.

History, Charter, and Organization

THE UNIVERSITY originated in a select school organized at Alfred, December 5, 1836, which was incorporated as "Alfred Academy" in 1843. The University was incorporated by the State of New York in 1857. It was founded and is maintained in the interest of Christian Education, but is non-sectarian, and students of all denominations are welcomed to equal privileges and equal consideration. The following is a copy of the Charter, Chapter 190 of the Session Laws of 1857, *viz*:

An Act to Incorporate Alfred University

[Passed March 28, 1857]

The People of the State of New York represented in Senate and Assembly do enact as follows:

SECTION 1. All persons who have, or shall hereafter, become subscribers in the sum of one hundred dollars to the permanent fund for the endowment of a collegiate institution at Alfred, Allegany County, are hereby constituted a body corporate by the name of the ALFRED UNIVERSITY, and by that name shall have perpetual succession for the purpose of promoting education by cultivating art, literature, and science. The estate, powers, and business of said corporation shall be vested in, and controlled and managed by, a board of thirty-three trustees.

SECTION 2. Nathan V. Hull, Thomas B. Stillman, Thomas B. Brown, George B. Utter, William C. Kenyon, Leman Andrus, William B. Maxson, James R. Irish, Joshua Clarke, James Summerbell, Joel Wakeman, George Maxson, George W. Allen, Hamilton Clarke, Elisha C. Green, Benjamin Maxson, Alfred Lewis, Elisha Potter, John A. Langworthy, Clark Rogers, Daniel D. Pickett, Perry F. Potter, Ira B. Crandall, John Hamilton, Henry Crandall, Solon O. Thatcher, Darwin E. Maxson, Darius Ford, D. C. McCollum, Ethan P. Larkin, Ira W. Simpson, Erastus A. Green and Jonathan Allen shall be the first board of trustees, eleven of whom shall constitute a quorum for the transaction of business. Said corporation, thus vested, shall have power to receive and hold property, real and personal, and to sell or otherwise dispose of the same for the objects of this corporation, but it shall not, at any one time, own real estate yielding an annual income exceeding fifteen thousand dollars. It shall have power to contract and be contracted with, to sue and be sued, to make and use a corporate seal and alter the same at pleasure.

SECTION 3. Said Trustees shall have power to fill all vacancies in their board, to make all ordinances and regulations necessary for their guidance in calling and conducting their meetings and the election of their officers, and such other ordinances and regulations as may be necessary for carrying into effect the powers and objects of said corporation. They shall allot themselves into three equal classes, one class of which shall go out of office at each succeeding annual election, and their successors shall be elected in perpetual succession by the stockholders of said corporation. They shall also make an annual report of all their proceedings to said stockholders.

SECTION 4. Said trustees shall have power to create a primary or academic department with all the powers, and subject to the same provisions, as the various academies of this state.

They shall organize a college department with separate departments or courses of study for males and females; both departments possessing equal privileges and powers.

They shall have power to organize a department of theology as a separate department, to receive and hold separate property for the maintenance of such theological department, and to conduct and maintain the same for the purposes of theological education.

They shall also have power to create such other departments in said University as they shall from time to time deem expedient.

SECTION 5. Said Trustees shall, in such manner as they shall from time to time prescribe, appoint a president, professors, and such other instructors as they may deem necessary.

SECTION 6. The said University may grant to students under its charge diplomas or honorary testimonials in such manner as it may designate.

It may also confer such literary honors, degrees and diplomas as are usually granted by any university, college, or seminary of learning in this state.

Diplomas granted by said University shall entitle the possessor to all the immunities and privileges allowed by usage or statute to the possessor of like diplomas for any college or seminary of learning in this state.

But no degree or literary honor shall be conferred without a course equivalent to a full ordinary course of college study as pursued in the colleges of this state shall have been completed.

SECTION 7. The said University shall be subject to the visitation of the Regents of the University of this state in the same manner and to the same extent as the various colleges in the state.

SECTION 8. The trustees of said corporation shall have power to purchase, lease, and hold any property, real or personal, belonging to the Alfred Academy, and any contract made between them and the Trustees of said Academy shall be valid provided the property thus received shall be used for the purposes set forth in this act; and the Trustees of said Academy are hereby authorized to make such arrangement with the Trustees of said corporation hereby created, for selling, leasing, or transferring their property, or any part thereof, either absolutely or conditionally, to said Trustees, as to them shall seem proper.

SECTION 9. Said corporation shall possess the powers and privileges, and be subject to the liabilities and provisions, contained in the first title, fifteenth chapter, and also the third title, eighteenth chapter, of first part of the Revised Statutes, so far as the same are applicable and have not been repealed.

SECTION 10. This act shall take effect immediately.

In conformity with the provisions of this act, the College was organized and has been strengthened and enlarged in its scope from time to time until it has gained its present high order of efficiency and its wide and favorable recognition throughout the country. Its excellent equipment in buildings and apparatus; its faculty of specialists in their several departments, representing twenty of the leading colleges and universities of America and Europe; and its nearly eight hundred graduates, many of whom are filling positions of great usefulness and honor, attest the merits of the college, and its measure of success. It is open to men and women on the same conditions.

Endowment and Property

THE ENDOWMENT FUND has increased with gratifying rapidity in recent years. The University now has \$346,000.00 of endowment. The value of the entire property of the University, including endowments, buildings, grounds, library, educational collections, and apparatus, is over \$514,000.

Material Equipment

THE UNIVERSITY CAMPUS is picturesque and attractive. It contains about sixteen acres of ground, ornamented with a large variety of trees and shrubs, forming an arboretum of rare beauty and value. Its lawns, walks, and drives are kept up by a special endowment for that purpose known as the "E. Lua Babcock Fund."

There are six college buildings on the campus, viz: Kenyon Memorial Hall, Allen Steinheim Museum, Babcock Hall of Physics, Rogers Observatory, Burdick Hall, and Ladies Hall. Adjacent to the College campus are the buildings of the New York State School of Clay-Working and Ceramics, the Academy, and the Seminary.

KENYON MEMORIAL HALL, named in honor of President William C. Kenyon, is a modern brick building completed in 1882, and is the executive building of the College. It contains the College Assembly Room, the Library, the offices of the President and the Registrar, and lecture rooms of the departments of Philosophy, History, Latin, Greek, English, and Modern Languages. A commodious fire-proof vault has recently been added for the safe keeping of valuable books and records.

THE ALLEN STEINHEIM MUSEUM, a memorial of the late President Allen and Mrs. Allen, is a picturesque building of stone. In the outer walls there are over seven thousand varieties of rock found in the drift near Alfred. The interior is finished in natural woods, every available variety being represented. This building contains the collections in Archæology, Palæontology, Mineralogy,

Conchology, Zoology, and Ornithology, all of which are accessible to students. It also contains the laboratory, lecture room, and the working cabinets of the Departments of Geology and Biology.

THE BABCOCK HALL OF PHYSICS, named in memory of the late George H. Babcock, founder of the Professorship of Physics, is a new brick building, constructed after the most approved design for the study of the Physical Sciences. The ample and well-equipped laboratories are supplemented by a large lecture room, and a department library room. The Comparators, Dividing Engines, and Refractometers of the late Prof. William A. Rogers are placed in a room especially designed for them, where constant temperature can be maintained. A variety of large X-ray machines furnishes excellent facilities for this branch of the science. The Departments of Chemistry, Mathematics, and Industrial Mechanics also have rooms in this building, viz: laboratories, a lecture room, department libraries, a machine shop, and a wood-working shop. Babcock & Wilcox boilers of fifty-three horse power furnish steam heat for this building and the Kenyon Memorial Hall, and power for the shops.

THE ROGERS OBSERVATORY, named in memory of the late Professor William A. Rogers, consists of a circular room surmounted by a revolving dome nineteen feet in diameter; and prime vertical, transit, and clock rooms. It contains an equatorial refracting telescope with an object glass of nine inches clear aperture, and nine and one-half feet focus; a meridian circle with an object glass of three and one-fourth inches clear aperture, and four and one-half feet focus, the circle being twenty inches in diameter and reading by four verniers to three seconds of arc; a sidereal chronometer; a filar micrometer, an astronomical globe, a heliotellus, charts, etc.

BURDICK HALL, a dormitory for young men, named after Mr. William C. Burdick, was given to the University

by his widow, Amanda M. Burdick, and his daughter Miss Susan M. Burdick. This dormitory is a large frame building, three stories high with attic rooms on the fourth floor. It is well built and well furnished.

THE LADIES HALL is a large brick structure, which contains rooms for lady students, rooms for members of the Faculty; the assembly rooms of the Ladies' Alfridian and Athenæan Lyceums, a gymnasium for women, and the University Boarding Department.

THE LIBRARY now contains about 16,000 volumes and 8,000 pamphlets, and additions are made to it yearly. It is made up chiefly of works bearing on the courses of instruction, together with encyclopedias, dictionaries, and general works of reference. The books are classified by subject according to the Dewey Decimal System, and a card catalogue is provided. The Library is open every college week-day from 8 A. M. to 12 M., and 1 P. M. to 5 P. M. Students are allowed free access to the shelves, and are encouraged to make diligent use of the books. Tables and chairs are arranged for their convenience, and the Associate Librarian is always present to assist in an intelligent use of the books, and to give counsel and aid in any line of reading and research. As a reference library, it is free to all; and any of the books, excepting encyclopedias, dictionaries, and general works of reference, may be drawn for home use, under prescribed regulations. The Library is under the supervision of a Board of Directors consisting of the President, the Librarian, and one representative each from the Board of Trustees, the Faculty, the Alumni Association, and the several Lyceums.

A READING ROOM, well supplied with newspapers and periodicals, is maintained in connection with the Library.

THE CHEMICAL LABORATORIES are located in the west wing of Babcock Hall. They are well ventilated and lighted, and provided with tables for the use of students in performing the practical work of the department. The tables

are supplied with individual sinks, water faucets, natural gas, Bunsen burners, the ordinary re-agents, and the appliances required for the courses offered. The Analytical laboratory is equipped with the apparatus necessary for Blowpipe Analysis, Quantitative Analysis, Qualitative Analysis, and Organic Chemistry. The department is provided with a special library for reference, containing the best authorities on the science of Chemistry.

THE PHYSICAL LABORATORIES in the Babcock Hall of Physics contain a great variety of apparatus for illustrating and establishing physical laws.

The Physical Laboratory occupies rooms on the main floor of the south wing. It is furnished with gas, water pressure and vacuum pipes, electric power, alternating and direct electric currents, and the required fixtures for a well equipped laboratory.

The room which adjoins the Physical Laboratory is used for experiments in optics. It is furnished with light-tight shutters, a porte-lumiere and projection apparatus, and electric stereopticon, a large screen, and many smaller pieces used in the study of light. There is also a well furnished dark room for photography.

The Dynamo Room is on the main floor of the central wing, and is equipped with 60 volt, 110 volt, and 500 volt continuous current dynamos, two simple 60 volt alternators, a 110 volt polyphase alternator, transformers, and experimental motors including a polyphase.

The Laboratory for Physical Measurements and Static Electricity is located on the main floor of the north wing. This laboratory can be maintained at an even temperature, for weeks, when so desired. Its equipment is as follows:

100 inch universal comparator, with ruling attachment; 50 inch comparator; 40 inch universal comparator; automatic line ruling engine; automatic circular ruling engine; refractometer (meter); refractometer (1.2 meter); compound X-ray generator; high efficiency X-ray generator,—

gifts of the late Professor William A. Rogers; tandem X-ray generator; small refractometer; two standard bars; thermometers for scientific work; Geissler's tubes; microscope and accessories, and microscopic objectives and eye pieces,—gifts of the widow of the late Professor William A. Rogers; static machine, ten plates; static machine, eight plates; Ruhmkorff coil, 12 inch; two condensers, 20 microfarads; storage batteries; Tesla high frequency coil; Edison contact breaker; Plante multiplier; mirrors for refractometer, rotary air-pump for refractometer; complete set of X-ray tubes; set of standard thermometers for refractometer work; 2 horse power poly-phase motor, designed and made in our own shop.

Additions to the apparatus and department library are made annually as the income accrues from the endowment fund of the Babcock Professorship of Physics.

THE MACHINE SHOP, occupying the rear wing of the Hall of Physics, is provided with engine lathe for screw cutting (designed for the solution of the perfect screw problem), bed 16 feet; 18 inch screw cutting engine lathe, bed 9 feet; engine lathe for screw cutting, bed 8 feet; 18 inch Putnam engine lathe, bed 6 feet; iron planer, bed 8 feet; shaping machine; polishing machine; power drill; inlaying machine, and small tools for iron working. The shop is driven by a steam engine, and power is obtained from two Babcock & Wilcox water-tube boilers, 53 horsepower.

THE CARPENTER SHOP, a large and well-lighted room on the basement floor of the north wing of Babcock Hall, is equipped with wood lathes, circular saws, jig saws, shaping machines, and work benches, with sets of hand tools for the various branches of wood working. Power is furnished by an electric motor. The shop is in charge of a competent foreman, and carpentry, wood turning, and pattern making are taught.

THE NATURAL HISTORY MUSEUM AND BIOLOGICAL LABORATORY. The natural history cabinets of the University are well supplied with specimens illustrating the various departments. The collections of shells, skeletons, insects, birds, flowering plants, fossils, and minerals are especially complete and valuable. The Biological Laboratory is equipped with microscopes, microscopic materials, microtome and accessories, dissecting instruments, aquarium supplied with running water, and other facilities.

It has also a department library containing many of the best reference books on the subjects of Geology and Biology.

Religious Life

THE UNIVERSITY is an institution of Christian learning, but is unsectarian in its management. All denominational preferences and associations are most carefully respected, and a cordial welcome is extended to persons of every faith. All of the students are required to assemble in Chapel every morning, except Saturday and Sunday. The exercises consist of singing, reading the Scriptures, and prayer. Religious services are held every Sunday during term time in the Assembly Room in Kenyon Memorial Hall, and all students are free to attend these and the Sabbath and week-day services of the village church.

There is an active Young Men's Christian Association, and also a Young Women's Christian Association, each under the management of the students themselves, under which the other religious work of the University is organized.

Advantages for Ladies

Ladies living in the Ladies Hall will have the advantage of daily association and intercourse with the Preceptress, a lady of culture and refinement. She will hold herself in readiness to render them such counsel and as-

sistance as may be in her power; and, so far as practicable, to give them the watchful care and attention which they would receive at home.

Ladies residing in lodgings outside the Hall will also be under the general oversight of the Preceptress, but it is obvious that the same degree of care and watchfulness cannot be given to them that is extended to those dwelling in the Hall.

The University Club

The membership of this society comes principally from the upper college classes, the graduate students, and members of the faculties. The organization grew out of the feeling that advanced students and members of the faculty ought to be learning more from one another, through interchange of thought and exchange of knowledge. The object of the club, therefore, in its weekly meetings, is to promote culture in literature, art, science, philosophy, and the ethics of social, civic, and economic relations, by means of papers, lectures, and discussions.

Student Organizations

LITERARY SOCIETIES. There are four permanently organized Lyceums; two for men—the Alleghanian and the Orophilian; and two for women—the Alfriedian and the Athenæan. They meet Saturday evening of each week in attractive, well-furnished rooms. The members present essays and orations, conduct debates, and become familiar with parliamentary rules. These Lyceums are important aids to those desirous of becoming good orators and speakers and of participating in the proceedings of public bodies. Each Lyceum gives a public entertainment during Commencement week.

CHRISTIAN ASSOCIATIONS. There are branch organizations of the College Young Men's Christian Association and of the College Young Women's Christian Association.

Physical Training

THE AIM OF THE WORK IN PHYSICAL TRAINING is to bring the whole body to its normal condition, to acquire ease and precision in movement, and to develop the health and strength of the student.

GYMNASIUMS. There are two gymnasiums in the University. The ladies have a large, well-ventilated room on the third floor of the Ladies Hall, equipped with apparatus sufficient for light gymnastics.

The gymnasium for gentlemen is on the basement floor of Babcock Hall. It is equipped with chest weights, dumb bells, wands, Indian clubs, horizontal and parallel bars, rings, poles, and floor mats. A dressing-room with individual lockers, and a shower-bath are also provided. Each gymnasium is in charge of an instructor.

REQUIREMENTS. All students, unless excused by the Instructor on the advice of a physician, are required to do two semester hours work during the Freshman year, under the direction of the Instructor in Physical Training.

OUTDOOR SPORTS are in the immediate charge of the Athletic Association, which has a football team playing under inter-collegiate rules, a baseball nine, and a basketball team. The Tennis Club, which is provided with excellent courts, maintains an annual tournament. Athletics, however, are not carried to the extreme which characterizes many educational institutions. The athletic committee from the faculty and the graduate manager exercise general supervision, for it is the purpose of the University to give due attention to the physical welfare of its students, and at the same time keep the physical in such relations as will be consistent with intellectual and moral development.

Terms and Vacations

The college year consists of two terms, or semesters, of about twenty weeks each.

There is a recess at Thanksgiving, extending from Wednesday evening until Monday morning following; a vacation at the Holidays of about two weeks; a short recess near Easter time; and a summer vacation of twelve weeks.

Class Exercises

The class exercise period is one hour in length, and two hours of private study are usually required for preparation. In laboratory work, however, the class exercise continues through two hours, and one hour of preparation will usually suffice. There are no class exercises on Saturday or Sunday. The hours of class exercises are fixed by the Faculty from year to year. Each student is expected to have at least fifteen exercises per week. No student is permitted to take more than seventeen exercises per week, unless his standing the previous semester averages eighty-five per cent or more.

Unit of Measure or Credit

One class exercise per week for one term, or semester, is taken as the unit of measure or credit, and is termed a semester hour. In each college course one hundred and twenty semester hours are required.

Examinations

Final examinations are held at the close of each semester, in addition to occasional written tests during the semester. A standing of seventy-five per cent is the minimum accepted in any subject. Fees will be charged for all examinations taken by those not regular members of classes, or at other times than those appointed for the class examinations.

Laws

Few formal laws are laid down for the government of students. It is expected that all students will conduct themselves in all their relations as ladies and gentlemen. The Faculty will take cognizance of conduct unbecoming ladies and gentlemen, and will impose appropriate penalties therefor.

Registration

All students are expected to meet the President and the Registrar at the college office for registration on the first day of the college year; and students entering at the beginning of the second semester are expected to register on the first day thereof.

College Fees per Semester

TUITION	-	-	-	-	-	-	-	-	-	\$14 00
INCIDENTAL FEE	-	-	-	-	-	-	-	-	-	6 00
READING ROOM FEE	-	-	-	-	-	-	-	-	-	30
EXTRAS, for use of instruments and materials:										
Gymnasium fee (all Freshmen and others taking instruction)	-	-	-	-	-	-	-	-	-	1 00
Surveying	-	-	-	-	-	-	-	-	-	4 00
Elementary Chemistry	-	-	-	-	-	-	-	-	-	4 00
Blowpipe Analysis and Mineralogy	-	-	-	-	-	-	-	-	-	4 00
Analytical Chemistry or Organic Chemistry	-	-	-	-	-	-	-	-	-	6 00
Botany or Zoology	-	-	-	-	-	-	-	-	-	4 00
Shop Fee	-	-	-	-	-	-	-	-	-	4 00
GRADUATION FEE	-	-	-	-	-	-	-	-	-	5 00

In Botany and Zoology, all necessary books are furnished by the University.

Students who elect more than seventeen exercises per week will be charged two dollars for each additional semester hour.

Special students taking fewer than eight exercises per week will be charged two dollars for each semester hour.

Bills for college fees will be presented soon after the beginning of each semester and must be paid at the office of the Treasurer before the third Friday of the semester.

Rooms and Board

Rooms for ladies can be had at the Ladies Hall, rooms for gentlemen at Burdick Hall, and board at the University boarding department in the basement of the Ladies Hall, at the following rates:

Rooms, furnished and heated, per semester	-	-	-	\$14 00 to \$40 00
Rooms, furnished but not heated, per semester	-	-	-	6 00 to 20 00
Board, per week	-	-	-	2 75

Rooms and board, including fuel, can be obtained in private families at from three to four dollars per week. Board in clubs, organized and managed by the students themselves, varies from \$1.50 to \$2.50 per week, according to the means and inclinations of the members.

Estimated Annual Expenses

Board, \$1 50 to \$2 75 per week	-	-	-	-	\$60 00 to \$110 00
Rooms, heated, \$14 00 to \$40 per semester	-	-	-	-	28 00 to 80 00
Laundry, per year	-	-	-	-	10 00 to 15 00
Books	-	-	-	-	10 00 to 25 00
Lyceum taxes, etc.	-	-	-	-	2 00 to 10 00
College Tuition, Incidentals, and extras	-	-	-	-	40 00 to 50 00
Total for year	-	-	-	-	\$150 00 to \$290 00

Excluding expenses of attire and travel, one can go through a college year, by close economy, upon \$150; and by exercising care, upon \$200. An allowance of \$250 is comfortable, and \$300 is liberal.

Ways and Means

A very large proportion of the graduates of the University have been students without means of their own, who worked their way through college.

Industrious and enterprising students can usually find employment in the town with satisfactory compensation for all the time they can profitably spare from their studies. Some earn enough to meet the greater part of their expenses.

Special Students

Those students who may desire to receive instruction in particular subjects, without becoming candidates for a degree, are admitted without examination; provided, however, they produce satisfactory evidence that they are prepared to undertake the study of such subjects with advantage.

This arrangement enables those whose circumstances prevent them from pursuing any of the regular courses, to obtain something of the culture, the inspiration, and the intellectual and moral development which come from study and residence at the University.

ADMISSION

Candidates for admission to the Freshman class must be at least fifteen years of age and of good moral character.

The particular requirements for entrance to specific courses in college, viz: the Classical, Philosophical, and Scientific, are explained below.

The unit of measure in estimating preparatory work is the New York State Regents "count," which represents one study pursued ten weeks with five recitations a week.

ENTRANCE REQUIREMENTS

[a] To the Classical Course

ENGLISH COMPOSITION AND RHETORIC. 4 counts. The candidate must be familiar with Elementary Rhetoric, both as a science and as an art. This study can be best pursued in connection with the study of Literature, from which may be obtained material for analysis and subjects for essays.

At the examination the candidate is expected to correct and re-write specimens of bad English, and to write an original essay of two hundred and fifty or three hundred words on one of several subjects announced at the time of the examination. The subjects for 1904 will be taken from Hawthorne's *Twice Told Tales*.

ENGLISH READING. 4 counts.

I. The candidate will be required to write a paragraph or two on each of several topics chosen by him from a considerable number set on the examination paper. The topics will be drawn from the following works:

1904-1905: Addison's *The de Coverley Papers*; Carlyle's *Essay on Burns*; Coleridge's *The Ancient Mariner*; Eliot's *Silas Marner*; Goldsmith's *The Vicar of Wakefield*; Lowell's *The Vision of Sir Launfal*; Scott's *Ivanhoe*; Shakespeare's *The Merchant of Venice*; Shakespeare's *Julius Caesar*; Tennyson's *The Princess*.

The candidate is expected to read intelligently all the books prescribed. He should read them as he reads other books. He is not expected to know them minutely, but to have freshly in mind their most important parts. In every case the examiner will regard knowledge of the book as less important than ability to write English.

II. A certain number of books is prescribed for careful study. This part of the examination is upon subject-matter, literary form, and logical structure, and also tests the candidate's ability to express his knowledge with clearness and accuracy. The books prescribed for this part of the examination are as follows:

1904-1905: Shakespeare's *Macbeth*; Burke's *Speech on Conciliation with America*; Macaulay's *Essays on Milton* and Addison; Milton's *Minor Poems*.

LATIN. 14 counts. Grammar—Bennett or Harkness. Composition—Moulton, or an equivalent. Cæsar—Four books of the Gallic War. Virgil—Six books of the *Æneid*. Cicero—Six orations. Candidates may offer equivalents for the amounts named.

GREEK. 10 counts. There will be required a thorough knowledge of grammatical forms and syntax; three books of Xenophon's *Anabasis*; three books of Homer's *Iliad*; and in composition, the first twenty-five exercises of Jones' *Composition*, or an equivalent. It is recommended that the study of Greek Composition be pursued in connection with the reading of the *Anabasis*.

MATHEMATICS. 8 counts.

Wentworth's *New School Algebra*, or its equivalent, including fundamental operations, factoring, divisors,

multiples, fractions, problems, involution, evolution, theory of exponents, radicals, quadratics, ratio and proportion.

Wentworth's Revised Plane Geometry, five books or their equivalent, including the straight line, angle, circle, proportion, similarity, and areas.

ELECTIVES. 8 counts. In addition to the above subjects the candidate must elect and offer other preparatory or high school studies equivalent to eight counts.

[b] To the Philosophical Course

The same as for entrance to the classical course, or

ENGLISH. 8 counts. The same as for entrance to the classical course.

MATHEMATICS. 8 counts. The same as for entrance to the classical course.

FOREIGN LANGUAGES. 16 counts. Any two or more languages may be offered. When Latin or Greek is offered for entrance to this course, it may consist of part or all of the amount required for entrance to the classical course.

When German or French is offered, the candidate will be expected to have a practical knowledge of pronunciation, as well as a thorough mastery of grammatical forms and syntax, and to possess a familiarity with the literature in proportion to the amount of work offered.

HISTORY. 4 counts. The examination in American History covers the period from the discovery of the New World to the end of the Civil War; that in Greek History, to the death of Alexander; that in Roman History, to the death of Commodus. English History, General History, and Civics may also be offered.

SCIENCE. 4 counts. Physiology and Physical Geography, or Physics.

ELECTIVE. 8 counts. The same as for entrance to the classical course.

[c] To the Scientific Course

ENGLISH. 8 counts. The same as for entrance to the classical and philosophical courses.

MATHEMATICS. 12 counts. The same as for entrance to the classical and philosophical courses, and Solid Geometry and Trigonometry.

FOREIGN LANGUAGES. 12 counts. Any one or two languages may be offered. (See philosophical course.)

DRAWING. 2 counts. A half year's course in Free Hand Drawing.

SCIENCE. 8 counts. Physiology—Martin's Human Body, Briefer Course or its equivalent. Physical Geography—Houston's work or its equivalent. Physics—Avery's work or its equivalent. Chemistry, Botany, and other sciences may be offered.

ELECTIVE. 6 counts. The same as for entrance to the classical and philosophical courses.

NOTE.—Candidates for admission to any of the above courses, may, in exceptional cases, offer equivalents as substitutes for the required studies subject to the approval of the Registrar.

SUMMARY

[a] To the Classical Course

English	-	-	-	-	-	-	-	8 counts.
Mathematics	-	-	-	-	-	-	-	8
Latin	-	-	-	-	-	-	-	14
Greek	-	-	-	-	-	-	-	10
Elective	-	-	-	-	-	-	-	8
								<hr/>
Total	-	-	-	-	-	-	-	48

[b] To the Philosophical Course

The same as to the Classical Course, or								
English	-	-	-	-	-	-	-	8 counts
Mathematics	-	-	-	-	-	-	-	8
Foreign Languages	-	-	-	-	-	-	-	16
History	-	-	-	-	-	-	-	4
Science	-	-	-	-	-	-	-	4
Elective	-	-	-	-	-	-	-	8
								<hr/>
Total								48

[c] To the Scientific Course

English	-	-	-	-	-	-	8 counts
Mathematics	-	-	-	-	-	-	12 "
Foreign Languages	-	-	-	-	-	-	12 "
Drawing	-	-	-	-	-	-	2 "
Science	-	-	-	-	-	-	8 "
Elective	-	-	-	-	-	-	6 "
Total	-	-	-	-	-	-	48

Admission is gained either on certificate or on examination, as follows:

Admission on Certificate

REGENTS' CREDENTIALS. The credentials of the University of the State of New York are accepted instead of an examination in the subjects required for admission, so far as they cover these requirements. [For description of subjects, see *Entrance requirements*.]

PRINCIPAL'S CERTIFICATE. Certificates are also received from principals of preparatory or high schools, outside of New York state, provided such schools are known to the Faculty for thoroughness of instruction. Such certificate must specify, in connection with each subject, the extent to which it has been pursued, by giving the text-book used, the method of instruction, the amount of time given to it, the date of the final examination, the degree of the applicant's proficiency, and must clearly show that the student has met the requirements in every detail. The College furnishes blank forms for such certificates upon application of principals of approved schools.

Principals of preparatory schools who desire to have their students admitted on certificate are invited to correspond with the President.

Admission on Examination

Candidates who fail to present satisfactory certificates must pass a written examination in the required subjects. Examinations in all subjects required for admission are

held at Alfred at the beginning of each year. Candidates must report at the Registrar's office and obtain permits for examination. The result of the examination may be obtained from the Registrar.

Conditioned Students

Students who may not be prepared in all subjects required for admission to a course leading to a degree, may by permission of the Registrar, pursue such studies in college as they are fitted to undertake, and at the same time pursue such studies in the Academy as may be necessary to complete the entrance requirements. In this way by diligent and industrious attention to their studies, they may be enabled to present themselves for graduation at an earlier date than would otherwise be possible.

Admission to Advanced Standing

Students from other colleges, having a course equivalent to that of Alfred, may enter at the point from which they take dismissal, upon presentation of satisfactory certificates of standing and character

COURSES OF STUDY

THE COLLEGE offers three courses of study leading to Baccalaureate Degrees. Each course covers four years of work and includes one hundred and twenty semester hours. The courses are as follows:

(a) THE CLASSICAL COURSE, leading to the degree of Bachelor of Arts.

(b) THE PHILOSOPHICAL COURSE, leading to the degree of Bachelor of Philosophy.

(c) THE SCIENTIFIC COURSE, leading to the degree of Bachelor of Science.

Required Studies

Arabic numerals indicate the number of class exercises per week.

Freshman Year

CLASSICAL	PHILOSOPHICAL	SCIENTIFIC
English, 3.	English, 3.	English, 3.
Mathematics, 3.	Mathematics, 3.	Mathematics, 5.
Latin, 4.	Foreign Language, 4.	Foreign Language, 4.
Greek, 4.	Foreign Language, 4.	Natural Science, 2.
Physical Training, 1.	Physical Training, 1.	Physical Training, 1.

In addition to the above, all Freshmen are required to attend a course of lectures on Ethics given by the President.

Elective Studies

Sophomore, Junior, and Senior Years

The studies of the Freshman year are required. Those of the Sophomore, Junior, and Senior years are elective, and may be chosen from any department of instruction, subject to the following conditions:

Each student will elect, not later than the beginning of the Sophomore year, one major and two minor subjects

from the following groups. The major subject must be pursued at least three hours per week throughout two years; each minor three hours per week for one year. One minor subject must be English, the other must be approved by the Professor in whose department the major is chosen.

Groups

- I. English.
- II. Modern Languages.
- III. Classical Languages.
- IV. Mathematics and Graphics.
- V. Natural Science.
- VI. History and Political Science.
- VII. Philosophy and Education.

(a) Students in the classical course will elect a major subject from any group except IV., or V.; but in case III. is not chosen as a major, it must be chosen as a minor.

(b) Students in the philosophical course will elect a major from any group; but in case the major is not chosen from either VI., or VII., the minor must be chosen from these groups.

(c) Students in the scientific course will elect a major from group IV., and a minor from group V., or conversely.

For graduation in any course additional work must be elected sufficient to make one hundred and twenty semester hours.

Senior Thesis

Each candidate for a degree is required to write a thesis, for which credit is given, two hours in the first semester and three in the second semester of the Senior year. The title of the thesis must be chosen in the field of the student's major subject not later than October 15, and must be approved by the Professor under whom the major work is done. The thesis shall embody the results

of actual independent research, and must be submitted for approval not later than June 1. A type-written copy must be deposited in the University Library.

Bachelor's Degree

The Bachelor's degree will be conferred upon students who satisfactorily complete one hundred and twenty semester hours, as described above:

- (a) *Bachelor of Arts* upon students in the classical course.
- (b) *Bachelor of Philosophy* upon students in the philosophical course.
- (c) *Bachelor of Science* upon students in the scientific course.

Master's Degree

The Master's degree will be conferred upon graduates having the Bachelor's degree, whether of this college, or any other having equivalent courses, after one year's resident study, or, in case of graduates of Alfred, after two years non-resident study under the direction of the Faculty. The candidate must choose not more than three subjects, and complete at least ten semester hours in each. He must offer a thesis in one subject and be examined in all. A type written copy of the thesis must be deposited in the University Library.

HONORS

Honors are awarded at the end of the Freshman, the Sophomore, and the Senior year. The names of those to whom honors are awarded will be recorded in the books of the Registrar, announced on Commencement day, and printed in the annual catalogue.

Freshman and Sophomore Honors

Honors are awarded to those of the Freshman and the Sophomore class, who at the time of the award have no entrance conditions, and have an average standing of 90 per cent or more in the studies pursued during the year.

Senior Honors

Honors in the different departments of study are awarded to Seniors under the following limitations:

1. The student must have pursued at least eight hours of elective work in the department in which honors are granted.

2. He must maintain an average standing of 90 per cent or more in the studies pursued during the Junior and the Senior year.

3. Honors are voted by the Faculty on recommendation of the Professor in charge of the department.

4. Honors are not awarded to any student in more than two departments.

Honor Oration

VALEDICTORY. As an honor for all-round excellence, the Valedictory Oration at Commencement is assigned to the Senior having the highest average standing for his college course.

SALUTATORY. The Salutatory Oration is assigned to the Senior who stands next in rank to the Valedictorian.

THIRD HONOR. A Third Honor Oration is assigned to the Senior who stands next in rank to the Salutatorian.

These honor orations are awarded upon the average standings, computed at the middle of the Senior year.

DEPARTMENTS OF INSTRUCTION

In the following courses, the number of class exercises per week is indicated as follows: two exercises, "Two hours;" three exercises, "Three hours;" etc. Each course extends through the year except as otherwise stated. Roman numerals signify that the course is limited to the one semester named, I or II.

Greek

Professor Tomlinson

It is desired that the principles of the Greek language be so thoroughly mastered during the preparatory course that the literature and civilization of the Greeks may occupy a large share of the student's attention in his subsequent study.

A critical and accurate study of the language is continued as a mental discipline and as the best key to the exact knowledge of the literature, but this work is supplemented by such courses of study and reading as will enable the student to gain a broad view of some of the leading productions of Greek literature.

- (a) *Elementary Greek.* (b) *Xenophon's Anabasis.*
(c) *Composition.* (d) *Iliad.*

The above courses in elementary Greek are intended for those who have not studied Greek before entering college.

1. PLATO—APOLOGY, CRITO, AND PHAEDO. In addition to the critical study of the text, collateral reading is required on the philosophy and religious ideas of Socrates, on the Sophists, and kindred topics. Attention is given to translating at sight and to Prose Composition. Four hours. I. Freshman year.

2. HERODOTUS AND THUCYDIDES. Selections. Facility in reading the portions selected from these authors, and a thorough understanding of the same from a literary and historical point of view, are the chief ends sought. Four hours. II. Freshman year.

3. HOMER'S ODYSSEY. Selections.

4. XENOPHON'S MEMORABILIA.

If desired, course 3 or 4 may be substituted for either 1 or 2.

5. LYSIAS—SELECTED ORATIONS. In the study of these orations, attention is given to contemporary history, politics, and social customs. Two hours. I. Sophomore year.

6. SOPHOCLES—THE ANTIGONE OR ŒDIPUS TYRANNUS. The critical study of the play read is accompanied by a careful consideration of the history, character, and representation of the Greek drama. Two hours. II. Sophomore year.

7. DEMOSTHENES—ON THE CROWN OR THE OLYNTHIACS AND PHILIPPICS. The Greek read by the class is made the basis of a study of the style of Demosthenes. The work of the course is also designed to secure a general view of the development of Attic oratory. Two hours. One semester.

8. ARISTOPHANES—THE CLOUDS OR BIRDS. In addition to the reading of the text attention is given to the history of comedy and to the public and private life of the Greeks as illustrated by Aristophanes. Two hours. One semester.

9. HOMER'S ILIAD OR ODYSSEY. Selections are read as a basis for the study of Homeric society and of the life of the heroic age as revealed in the poems. Two hours. One semester.

Latin

Professor Fairfield

To train students to read Latin with ease is the chief aim of the instruction in the Freshman year. To this end word-order, particles, mode, and tense are carefully studied; reading at sight is frequent. In the later work larger interests control. Roman literature, religion, political institutions, and art are studied with varying degrees of emphasis in the several courses.

1. THE DE SENECTUTE OF CICERO; LIVY; THE ODES OF HORACE. The student is trained to get the meaning of a Latin sentence in the Latin order. The constructions possible with the different particles are studied, and the student is taught to notice those indications of meaning and construction that appealed to the Roman eye and ear. The different styles of the writers are compared, and the subject-matter is informally discussed and made the topic of occasional papers. Four hours. Freshman year.

2. TACITUS; PLINY. Selections from the *Germania* and *Agricola* of Tacitus or from the letters of Pliny the Younger. The methods of the Freshman year in the main characterize this work. Two hours. I.

3. PLAUTUS OR TERENCE. It is hoped that by the time this course is reached the student will be able to read somewhat rapidly, so that several plays may be interpreted. Each member of the class is assigned some topic in syntax or prosody to be made the subject of a short paper. Two hours. II.

4. JUVENAL; MARTIAL; PETRONIUS. Selections are made from one or more of these authors with special reference to Roman life. Three hours. One semester.

5. CICERO'S LETTERS. Three periods in Cicero's life are considered; the years immediately preceding his exile, his course at the beginning of the Civil War, 49 B. C., his conduct from Cæsar's death to his own. The characters of Cæsar and Pompey, and their part in the fall of the Republic are investigated. Each member of the class presents two or more papers giving the results of independent investigation. Three hours. One semester.

6. ROMAN PHILOSOPHY. Selections are made from the *De Rerum Natura* of Lucretius and from the philosophical works of Cicero. These two authors are the basis of a somewhat careful study of the philosophical systems of the Græco-Roman world. The course is particularly valuable to those who are making philosophy a major subject. Three hours. One semester.

7. TEACHER'S TRAINING COURSE. It is hoped that this course will meet the needs of those who expect to become teachers of Latin in high schools. Aims and devices in beginning Latin; learning to read at sight; ideals in trans.

lation; the student's difficulties at various stages of his work, etc., are topics that suggest the nature of this course. Two hours. One semester.

8. ROMAN ANTIQUITIES. A study of the Roman family, marriage, education, house, dress, amusements, commercial interests, religion, etc. Recitations upon prescribed reading, and lectures illustrated by photographs and lantern views. A reading knowledge of Latin, while desirable, is not necessary. Two hours. One semester.

Classical Culture

This course is maintained by the departments of Greek and Latin. It is an attempt to take a general survey of Greek and Roman civilization with specific attention to the development of art. It is intended to meet the wants of those who have not studied Latin and Greek but wish an insight into ancient civilization. Two hours.

German

Misa Crocker

1. ELEMENTARY COURSE. Grammar, Wenckebach and Shrakamp. Short poems are memorized. Correct pronunciation is insisted upon. Thorough drill in syntax. Students are taught to understand easy spoken German. Work in reading and translation is begun as soon as practicable. Four hours.

2. MODERN FICTION, as found in works of such writers as the Grimms, Meissner, Storm, Heyse, and Riehl, is studied. Two hours each week are devoted to reading and translation; the third to composition, conversation, and grammar review. Must be preceded by course 1 or its equivalent. Three hours.

3. HISTORY OF GERMAN LITERATURE, as outlined in Keller's *Bilder aus der deutschen Literatur*. Must be preceded by courses 1 and 2 or their equivalents. Two hours. I.

4. CLASSICAL GERMAN DRAMATISTS. Lessing, Schiller, and Goethe are studied. Must be preceded by courses 1 and 2 or their equivalents. Two hours. II.

5. STUDY AND CONVERSATION on Germany and the famous German cities, as a preparation for foreign travel. One hour.

French

Miss Crocker

1. **ELEMENTARY COURSE.** Text book, Chardenal's Complete French Course. Accurate pronunciation is required, and the training of the student's ear for understanding the spoken language is begun at once. The reading of easy plays for their value as aids to conversation, and as supplying colloquialisms, is begun as soon as practicable. Four hours.

2. **MODERN FRENCH FICTION**, as found in the writings of Halévy, Daudet, Merimée, George Sand and others; composition work based on text; grammar review. Must be preceded by course 1 or its equivalent. Three hours.

3. **HISTORY OF FRENCH LITERATURE**, as outlined in Duval's *Histoire de la Littérature Française*. Must be preceded by courses 1 and 2 or their equivalents. Two hours. I.

4. **CLASSICAL FRENCH DRAMATISTS** of the seventeenth century are studied—Corneille, Moliere, and Racine. Must be preceded by courses 1 and 2 or their equivalents. Two hours. II.

5. **CONVERSATION IN FRENCH** on Paris and its monuments, as a preparation for foreign travel and study. One hour.

English

Professor Fairfield

Miss Russell

This department attempts to develop the power of expression and encourage literary production, to afford an opportunity for the study of the history of English literature, and to secure an acquaintance with the best British and American authors. Nor are these aims separated in the instruction. It is believed that rhetoric is most favorably studied through literary models, and that the study of literature should promote facility and polish in expression. The methods of instruction are intended to encourage keen perception, and independent judgment in the light of the best criticism on the author or period.

1. RHETORIC. The course deals particularly with diction, the paragraph, and the theme. Selections of admitted excellence in these respects will be analyzed for and by the class. Daily themes are required and frequent essays representative of the different kinds of composition. Three hours. Freshman year.

2. INTRODUCTION TO ENGLISH LITERATURE. This is essentially a masterpiece course, covering the whole field of English literature. Assigned readings are accompanied by lectures, critical and historical. A course of required and optional private work is outlined for the class. Three hours. Requisite for courses 3-7.

3. SHAKESPEARE. A literary study of as many plays as time will allow. Three hours.

4. THE CLASSICAL SCHOOL. An effort will be made to understand the origin and development of the school, its ideals and tendencies, and the contribution of its main authors to literary criticism and other departments of thought. Two hours. I.

5. THE ROMANTIC PERIOD. Its relation to the Classical Period, and to contemporary social and political movements; an analysis of the characteristics of individual writers. Two hours. II.

6. NINETEENTH CENTURY LITERATURE. Emerson, Lowell, Carlyle, Ruskin, Newman, Arnold, Tennyson, Browning, and others are studied as leaders and interpreters of thought in the Victorian age. Three hours. I.

7. PROSE FICTION. The rise and development of the novel with special attention to representative works of a number of British and American novelists. Three hours. II.

8. DEBATING. Open to intercollegiate debaters. One hour.

Expression

Miss Russell

The aim of these courses is to train the voice and body so that they may become more adequate agents of the mind. The student studies the technology of expression in order that he may understand his own

limitations and power. He is required not only to express his own thoughts and emotions, but naturally and effectively to interpret the writings of the great masters of English.

1. **GENERAL COURSE.** The first semester is occupied with technical training and the Theory of Expression. *Fulton and Trueblood's Practical Elocution* is used as a text. The second semester is occupied with recitations from standard authors, extemporaneous speaking and debates. Two hours.

2. **SHAKESPEARE.** Discussions from internal evidence and the memorizing of famous passages. Two hours. I. Open to Juniors and Seniors.

3. **VOCAL INTERPRETATION OF THE BIBLE.** An endeavor to read the Bible aloud in a simple, natural manner with due consideration for its interpretation and literary form. *Curry's Vocal Interpretation of the Bible* is used as a text. One hour. II. Open to all college students.

4. **HISTORY OF ORATORY AND MODERN DEBATE.** Discussion of the fundamental principles of public speaking. *Sear's History of Oratory*. *Alden's Art of Debate*. One hour. I.

5. **READING AS A FINE ART.** Interpretative study of Browning, Tennyson, etc., for public rendering. Two hours. II. Open only to Seniors who have pursued courses 1 and 2.

6. **STUDIES IN APPRECIATION,** including short readings by each member of the class, leading up to consideration of the modern drama.

History and Political Science

Professor Bates

1. **HISTORY OF ENGLAND.** From the earliest times to the present. Text book, readings and recitations. Three hours. Sophomore year.

2. **HISTORY OF MEDIÆVAL EUROPE.** The fall of Rome; barbarian invasions; Rise of the Church; the Mohamedan Empire; the Mediæval Empire. Text book, readings and lectures. Three hours. I.

3. HISTORY OF THE RENAISSANCE AND REFORMATION. Feudalism; the Crusades; the beginnings of modern states; the Renaissance; the Reformation. Text book, readings and lectures. Three hours. II.

[4. HISTORY OF MODERN EUROPE, 1559-1789. Wars of religion; development of the national idea; the absolute monarchies; development of the revolutionary spirit. Lectures and readings. Three hours. I. Prerequisite, Course 1.]

[5. HISTORY OF MODERN EUROPE, 1789-1900. The French Revolution; the Napoleonic era; reconstruction and revolutions in Europe; unification of Italy; formation of the German Empire; the Eastern Question. Text book, lectures and readings. Three hours. II. Prerequisite, Course 1.]

[6. ENGLISH CONSTITUTIONAL HISTORY. The development of the English Constitution from the beginnings to the present time. Text book and readings. Two hours. II. Prerequisite, Course 1.]

[7. AMERICAN HISTORY, COLONIAL PERIOD. Pre-historic America; discovery; colonization; colonial development; imperial control; revolution; confederation; the constitution. Lectures, readings and reports. Three hours. Prerequisite, Course 1.]

8. AMERICAN HISTORY, NATIONAL PERIOD. Organization of the federal government; national development; growth of slavery and the state-rights doctrine; the civil war; reconstruction. Lectures, readings and reports. Three hours. Prerequisite, Course 1.

9. ECONOMICS. General introductory survey of economic theory. Text book and readings. Three hours. I. For Juniors and Seniors.

[10. PUBLIC FINANCE. Public revenues and expenditures with especial reference to the United States; financial history of the United States. Text book, readings and reports. Three hours. II. Prerequisite, Course 9.]

11. MONEY, CREDIT AND BANKING. A study of the theories of money, credit and banking, and of their practical workings. Text book, readings and reports. Three hours. II. Prerequisite, Course 9.

12. **ELEMENTARY AND BUSINESS LAW.** Introductory view of the nature and field of the law; brief treatment of the law of contracts, sales, agency, common carriers, negotiable instruments and business associations. Text book and discussions. Two hours. I.

13. **AMERICAN POLITICS.** Federal, state and local government in theory and in practice; political parties, their organization and methods. Text-book and discussions. Two hours. I. For Juniors and Seniors.

14. **COMPARATIVE GOVERNMENT.** A comparative study of the chief governments of Europe and America with respect to their structure and workings. Text book and discussions. Two hours. II. Prerequisite, Course 13.

NOTE.—Courses enclosed in brackets are given the current year but will not be given in 1904-5.

Mathematics

Professor Kenyon

1. **SOLID GEOMETRY.** Wentworth's Revised Geometry, or its equivalent. Books VI., VII., VIII., on lines and planes in space, polyhedrons, cylinders, cones, and spheres, with numerous original exercises. Three hours. I. Freshman year.

2. **TRIGONOMETRY.** Wentworth's Revised Trigonometry, or its equivalent, including both plane and spherical trigonometry, and original exercises. Three hours. II. Freshman year.

3. **ALGEBRA.** Taylor's College Algebra, or its equivalent, including radicals and quadratics in review, ratio, proportion, progressions, permutations, combinations, undetermined coefficients, series, binomial theorem, differential method, logarithms, and theory of equations. Two hours. Sophomore year.

4. **SURVEYING.** Wentworth's Surveying, supplemented by lectures and ample field practice with the compass, transit, level, and other surveying instruments, with which the department is supplied. Attention is given to the proper forms of keeping the field notes of surveys, writing descriptions, plotting, computing, and proving work. Three hours. II.

5. **ANALYTIC GEOMETRY.** Loci, the straight line, circle, parabola, ellipse, hyperbola, and higher plane curves. Three hours.

6. **CALCULUS.** Elements of Calculus including differentiation, integration, maxima and minima, plane curves, areas, and applications to mechanics, astronomy, etc. Three hours.

7. **INSTRUCTION** will also be given to classes in the following subjects: Conic Sections, Descriptive Geometry, Solid Analytic Geometry, Advanced Surveying, Differential and Integral Calculus.

Graphics

Professor Kenyon

INSTRUCTION IN DRAFTING is given orally and by illustration and individual supervision. Students are taught to read and to make mechanical drawings of all kinds.

After elementary practice, in which the student learns the use of instruments, he is taught the methods of orthographic and isometric projections; sketching from models and drawing from measurements; the making of plans, elevations, and details; the intersection and development of geometric surfaces; the construction of spur and bevel gears; and other fundamental principles.

DESCRIPTIVE GEOMETRY is taught both by class exercises, in which the student demonstrates the various problems, and by instrumental solution in the drafting room, in which he makes accurate drawings illustrating these problems. This course includes the principles of shades, shadows, and perspective, all developed according to mathematical principles.

From these foundation principles the student is led to the making of finished drawings, either in the line of architecture, machinery, engineering, or in such special lines of work as he may elect, under the approval of the Professor. The aim is thoroughly to prepare draftsmen for intelligent and accurate work.

Work in this department may extend through four years and is outlined as follows:

FIRST YEAR. Open to all regular and special students of the College. Elementary principles, geometric problems, projections, etc. Four hours.

SECOND YEAR. Open to those who have completed the first year's work and Solid Geometry. Descriptive Geometry, shades, shadows and perspective, with their applications. Four hours.

THIRD AND FOURTH YEARS. Open to those who have completed the work of the first and second years. Special work as elected, including the execution of finished drawings. Four hours.

Physics

Professor Babcock

The aim of this department is to give the student as broad a knowledge of the subject as is possible, to develop habits of observation and reasoning necessary for scientific work, and to teach the use of scientific apparatus.

1. **GENERAL PHYSICS.** This course is text-book work, with experiments, supplemented by lectures on subjects of especial interest. During the first semester, dynamics, sound and heat are considered. Light, magnetism, static electricity and dynamic electricity occupy the second semester. Three hours. Sophomore year.

2. **ELECTRICAL COURSE.** This course is open to those who have finished course 1. It consists of experiments, text-book and lecture study of the Voltaic cell, circuits, magnet, induction, electrical measurements, dynamo, electric machinery, and electric lighting. Two hours. For Juniors and Seniors.

3. **HEAT AND LIGHT.** An experimental course in the practical application of the principles of heat and light, including the heating and lighting of buildings. Requisite, course 1. Two hours. One semester.

4. **SPECTROSCOPY.** This is an experimental course, and embraces the following topics: solar spectra; flame spectra; spark spectra of gases and metals; absorption by gases, liquids, and solids; and determination of wave lengths of light. Requisites, courses 1 and 3. Two hours. One semester.

5. **PHYSICAL MEASUREMENTS.** This is a library and experimental course. The determination of "g"; horse power of dynamos, motors, engines; latent heat; wave lengths of light; and velocity of light are among the topics. Requisites, courses 1 and 3. Three hours. One semester.

6. **MECHANICS OF ENGINEERING.** Statics of a material point, parallel forces and the centre of gravity, statics of a rigid body, statics of flexible cords, rectilinear motion, virtual velocities, curvilinear motion, moment of inertia, dynamics of a rigid body, work, energy, power, friction, stresses and strains, torsion, flexure, linear arches, graphical statics, right arches, arch-ribs, graphics of continuous girders. Requisites, course 1, Analytic Geometry and Calculus. Five hours. Senior year.

Natural History

Professor Crandall,

Mr. Lewis

The aims of this department are to cultivate an intelligent appreciation of creative thought in nature, to lead the way to correct habits of study and observation and to train students for special work in some of the branches of Natural History. Collections intended to facilitate study and practical work in this department have been made and are available for class use. The work of classification and arrangement for the more general purposes of a Natural History collection is in progress and to some extent is made to contribute to the training of advanced students. Field work in Geology, Palæontology, Zoology, and Botany is made a part of the work in this department.

The courses of study are:

1. **BOTANY.** The work in this subject is devoted to Cryptogamic Botany, Organography, Histology, Plant Physiology and Systematic Botany. A study of the flora of Western New York as found in the region about Alfred is introduced. Individual classified collections are required. Special work in the various branches named is offered to those desiring to study the subject further. Two hours. Freshman year.

2. **ZOOLOGY.** Work in Zoology is conducted largely in the laboratory. The first part of the year will be devoted to a study of microscopic forms followed by general laboratory work. Students are required to prepare essays which will be supplemented by lectures by the instructor. The last of the year will be devoted to Entomology which will include lectures on anatomy, the various orders, and treatment of injurious forms. Laboratory and systematic work in this subject will be taken up. Field work is required and each student must make a collection. Two hours. Sophomore year.

3. **ANATOMY.** This course includes special work in Anatomy and Histology as well as Physiology and Hygiene. Three hours. Sophomore year.

4. **GEOLOGY.** The study of this branch begins with Dynamic and Structural Geology. This is followed by Historical Geology, largely the study of the characteristic fossil forms of the several geological ages. Special work in Palæontology is offered. Three hours. Junior year. Offered every other year. To be given in 1904-5.

5. **ECONOMIC GEOLOGY.** This will include a general course in Economic Geology, embracing mines, mining, oils and clay. Field work will be conducted. Two hours. Senior year. Offered every other year. Not given in 1904-5

Agriculture

Mr. Lewis

The aim of this department is to stimulate thought along agricultural lines, to teach the student the importance of scientific work in Agriculture, and the adaptation of business methods to Agriculture. The courses are so arranged as to prepare students both for actual work and advanced study.

COURSE (a). General Agriculture which will include the following subjects: A general study of soils from both a physical and chemical standpoint, drainage and irrigation. Manures and fertilizers, liming and a study of some of the leading farm crops. A study of the leading breeds of live stock, breeding and dairy management. The last part of the year will be devoted to the principles of fruit growing. Three hours. Not offered in 1904-5.

COURSE (b). Special courses are offered in fruit culture in which systematic pomology will be studied. Market gardening, green house construction and management, with a study of some of the leading commercial hot house plants, followed by the construction and general management of hotbeds and cold frames. The last part of the year will be devoted to the principles of landscape gardening and floriculture. Three hours. Offered in 1904-5.

COURSE (c). Economic Entomology. This course consists of a general study in insect anatomy and a general study of the orders, and typical injurious forms. Special stress will be laid on sprays and spraying. Lectures, followed by laboratory and field work. Three hours. Offered in 1904-5.

Astronomy

The aim of this department is to give the student a thorough knowledge of the principles of the science, and to train him to do practical work in astronomical observation. An opportunity is offered to use the instruments in the University Observatory, and the student is given a thorough drill in the ordinary practical work of an observatory.

1. GENERAL, OR COLLEGE ASTRONOMY. This course includes a thorough study of a text-book supplemented by individual investigation. Its aim is a knowledge of the principles of Astronomy. Two hours.

2. PRACTICAL ASTRONOMY. This course includes practical work with instruments of the Observatory and study of a more advanced text-book. Two hours.

Chemistry

Professor Babcock

1. GENERAL CHEMISTRY. This course includes a study of the principal elements, their simple compounds, chemical philosophy, nomenclature, equations, and an introduction to the compounds of carbon. During the course attention is given to the fundamental principles of analysis. The instruction is given by means of text-book,

lectures, and laboratory work. Each student performs the experiment illustrating the principles discussed in the text-book. Three hours. Sophomore year.

2. **QUALITATIVE ANALYSIS.** The work in this course includes the analysis of simple inorganic salts, mixed salts, acids, bases, oxides, and the more common organic compounds. Requisite, course 1. Two hours. I.

3. **QUANTITATIVE ANALYSIS.** In this course the student determines the atomic weights of several of the elements, and the percentage composition of various known compounds, after which analyses are made of mixtures and compounds of unknown composition. Special attention is given to the analysis of water and air. Requisites, courses 1 and 2. Two hours. II.

4. **MEDICAL CHEMISTRY.** This course is designed for those who intend to study medicine. It includes the analysis of urine, blood, and milk. Requisites, courses 1 and 2. Two hours. One semester.

5. **TOXICOLOGY.** This course is also planned for those looking forward to the study of medicine. Much practice is given in determining a large number of poisons. Students are expected to be able to detect poisons in the organs of animals which are furnished for the purpose. Requisites, courses 1 and 2. Two hours. One semester.

6. **ASSAYING.** The student is furnished with a large collection of minerals containing the principal metals, and is taught to make accurate analyses of the same by means of both the wet process and the furnace. Requisites, courses 1 and 2. Two hours. One semester.

7. **CLAY ANALYSIS.** Requisites, courses 1, 2, and 3. Two hours. One semester.

8. **MINERALOGY.** Minerals are tested and classified, and a critical study is made of crystals. Two hours. One semester.

Philosophy and Education

Professor Clark

The work in the department of Philosophy is designed to acquaint the student with the evolution of systematic thought, furnish him with some adequate knowledge of his own nature, and reveal the relations which man sustains to nature, to his fellow men and to God.

The aims of the University in providing instruction in the science and art of teaching are, (a) to promote the study of educational science, (b) to familiarize the student with the development of educational ideals and present tendencies in educational thought, and (c) to qualify the student for positions in the public school service, with a view to which the subjects are arranged in conformity with the State requirements for the teacher's certificate.

1. **LOGIC.** The relation of logic to psychology, and the entire philosophy of method are studied with a view to grounding the student in the fundamental laws of investigation and organization of knowledge in all departments. Written exercises in logical problems are required of each student. Two hours. I. Sophomore year.

2. **PSYCHOLOGY.** The description and explanation of the states of consciousness as such are studied in the light of experiments which illustrate each topic. Written exercises in psychological subjects form a part of the work of this course. Two hours. II. Sophomore year.

3. **PRINCIPLES OF SOCIOLOGY.** A study is made of the sources of sociological data. The primary social factors, social groupings and the social process are investigated. The aim of the course is to give a rational interpretation of existing society. Each student is assigned special reading and required to make a special study of some phase of the subject. Lectures and readings. One hour. Not given in 1903-4.

4. **PROBLEMS IN SOCIOLOGY.** This course embraces a study of the sociological questions of present interest, some of which are population, charities, degeneracy, crime, divorce, city slums, social settlements, and education. Each student is required to write a critical essay on some one problem after due investigation. Lectures and readings. One hour.

5. **HISTORY OF PHILOSOPHY.** The three historical periods of philosophy, the Greek, the mediæval, and the modern, are treated as related movements of systematic thought. The aim is to familiarize the student with philosophic thought as vital history; as the attempt of the human mind to solve the universal problems that were

naturally evolved at different periods in the progress of civilization. To this end special emphasis is laid upon the evolutionary and reactionary origin of both problems and solutions. Weber's History of Philosophy, with assigned readings in the original authors. One essay. Three hours. I.

6. INTRODUCTION TO PHILOSOPHY. The vocabulary, methods, and problems of philosophy are studied. The relations of philosophy to the physical sciences and to psychology are investigated. The method employed is designed to develop the power of concentrated and independent thought on the part of the student. Paulsen's Introduction to Philosophy, with discussions, lectures, and essays. Three hours. II.

7. HISTORY OF EDUCATION. The purpose of this course is to give the student a clear understanding of the evolution of the educational ideal. Special emphasis is laid upon the development of modern educational thought. It is the aim throughout this course to make evident the connection between education and life in each epoch. Lectures, discussions, essays, and private reading of educational classics. Three hours. I.

8. PRINCIPLES AND METHODS OF TEACHING. It is intended in this course to enable the student to participate in the construction of the science in which his art is to be founded. Rational methods grow naturally from an understanding of principles, and in this manner they can be justified in the consciousness of the expectant teacher. Lectures, discussions, and extended readings with reports. Three hours. II.

9. PSYCHOLOGIC FOUNDATIONS OF EDUCATION. This course concerns itself with education both as a science and an art. Its aim is to study the laws of the developing mind in relation to teaching, and is open only to such students as are qualified to pursue advanced psychological study. Lectures, discussions, and papers. Two hours. I.

10. SCHOOL MANAGEMENT. Educative school government lies at the bottom of conduct culture. It is the aim of this course to lead to a deep interest in the art of promoting good conduct and high endeavor. It deals with the problems of educational conditions, educational

facilities, school government, class management, and school organization. Lectures, discussions, and papers. Two hours. II.

11. **SOCIAL PHASES OF EDUCATION.** In this course the school is treated as a social factor in its relation to (a) the child, (b) the home, (c) the church, and (d) the state. It deals also with the relation of education to some of the more important sociological problems of our time. Lectures, recitations, and papers. Two hours. I. Elective.

12. **ADVANCED STUDIES IN EDUCATION.** It is the intention in this course to make a critical study of educational theory, to investigate the sources of human cultivation, consider pedagogical problems, and review current educational thought and literature. Lectures and discussions. Two hours. II. Elective.

Ethics

President Davis

1. **PRACTICAL ETHICS.** This course is a series of lectures on practical ethics. It includes a consideration of ethical problems involved in student life and in the present social and industrial questions. It is required of all Freshmen. One hour

2. **HISTORICAL AND THEORETICAL ETHICS.** A brief survey of the leading ethical systems. Discussions and papers are required on the foundation of moral obligation, the nature, function and authority of conscience, the origin and content of the moral law and related themes. One hour.

Biblical Languages and Literature

Professor Whitford

The Bible in English is studied from a literary, historical, and ethical point of view. The instruction is not at all of a sectarian character.

1. **LIFE OF CHRIST.** A critical study of the material presented in the four Gospels is made with particular attention to matters of harmony, and to the contrasts between the Synoptists and John. Two hours. One semester.

2. **NEW TESTAMENT EPISTLES.** The second period of the outward history of the Kingdom of Heaven as established by Christ is considered by means of lessons from the Book of Acts and from the Epistles. Light on the interpretation of the Epistles is sought from the circumstances and conditions that called them forth. Two hours. One semester.

3. **LESSONS FROM THE OLD TESTAMENT.** The history and prophecy of the Old Testament are studied as illustrating the development of the chosen people, and the preparation for the coming of the promised Messiah in the fulness of time. The student is encouraged to do original work, and frequent written exercises are required. The peculiar literary features of some of the Old Testament books are examined. Two hours. One semester.

The following courses for the study of the Old Testament in the original are offered.

4. **ELEMENTS OF HEBREW.** The first eight chapters of the Book of Genesis are read in connection with a study of the grammatical forms by the inductive method. Three hours.

5. **HEBREW HISTORICAL SELECTIONS.** Selected passages from the Book of Joshua, and from the historical books are read in connection with a study of the principles of syntax. At the end of this course the student is expected to be able to read readily any of the historical books. Two hours.

Physical Training

Mr. Greene

THE AIM OF THE WORK in this department is to bring the body into a condition of health and strength, and to develop self reliance, co-ordination of muscular effort, and grace and precision of movement.

1. **PHYSICAL TRAINING.** Lectures and readings in practical hygiene and the physiology of exercise. The gymnasium work will include gymnasium marching, calisthenics, and exercises on the heavy apparatus. Physical examinations and prescriptions for exercise will be given. Two hours. Freshman year.

2. GYMNASIUM PRACTICE. From the Thanksgiving recess to the Spring recess. Two hours. Open to all University students.

3. FIELD AND TRACK ATHLETICS. Fall and Spring.

Wood-Working

Professor Kenyon

Mr. Crandall

The purpose of this department is to teach the student the intelligent use of the more common hand tools used in the shop, the care, and proper methods of sharpening them, and the correct method of making all the principal joints used in carpentry and cabinet-making.

When these elementary principles have been mastered, the student is given some practical work, such as building a piece of apparatus or furniture which may be required by the different departments of the University.

Special stress is placed upon accuracy and neatness of workmanship, so that the student may early learn the necessity of careful, painstaking effort in order to accomplish good results. Two hours. Freshman year.

Instruction is also given to more advanced students in the elements of wood-turning, pattern-making, etc.

Metal-Working

Professor Babcock

Mr. Corwin

The machine shop course is intended to familiarize the student with the standard tools and methods common to the construction of machinery. Mere exercise work is avoided. It is thought better for the student to make machines or parts of machines which may be assembled, such as dynamos and motors that have actual commercial value and are utilized for the benefit of the student.

Machine tool work is immediately given to each student, and only such hand work as chipping, filing, scraping, and forging is done as may be incident to the practical work in hand, which includes the forging of lathe and planer tools.

Skill in manipulation is not sought so much as a working knowledge of methods, a familiarity with the limita-

tions and possibilities of the tools, and a greater insight into the practical, productive, and commercial side of shop methods and management. To this end, at opportune times throughout the course, such subjects are brought up as gears, the purpose of drawings, applied mathematics, interchangeable construction, forms of cutting tools, nature of different steels, testing of machine tools, etc.

A considerable variety of work is presented and so distributed that each individual may progress as rapidly as possible, unimpeded by any uniform graded course of exercises. Two hours. Sophomore year.

INDUSTRIAL MECHANICS

Professor Kenyon
Professor Babcock
Mr. Crandall
Mr. Corwin

THE GEORGE B. ROGERS DEPARTMENT OF INDUSTRIAL MECHANICS was founded in 1867 by Mrs. Ann M. R. Lyon, and named in memory of a deceased son. It is the aim of the department to lay the foundation for successful professional study in any of the mechanic arts,—architecture; civil, mechanical, or electrical engineering.

The department has a library containing books upon the various branches of mechanics, including practical and theoretical works upon architecture, machine construction, engineering, etc.

There is also apparatus for illustrating mechanical movements, intersections of surfaces and solids, warped surfaces, etc.

Yearly additions are made to the library and apparatus provided for the special use of this department.

The department is equipped with facilities for actual practical work in the drafting room, carpenter shop, and machine shop. In the drafting room the student is taught to make and read mechanical drawings of objects constructed of wood and of metal. He is taught to design buildings and machinery, and to make working and finished drawings of the same.

In the carpenter shop he is taught the proper use of tools and wood-working machines, and the elements of carpentry, wood turning, pattern-making, etc.

He is taught to work from drawings previously made in the drafting room, and to cultivate accurate, neat, and workman-like methods.

In the machine shop the student receives instruction in the most approved methods of manipulating modern machinery, and of work at the bench, and in the construction of machines and parts of machines, for which designs, drawings and patterns have been previously made.

THE CARPENTER SHOP is a large and well-lighted room, and is equipped with wood lathes, circular saws, jig saws, shaping machines, and work-benches, with sets of hand tools for the various branches of wood-working. Power is furnished by an electric motor. The shop is in charge of a competent foreman.

THE MACHINE SHOP is equipped with lathes, planers, drills, inlaying machine, shaping machine, polishing machine, and other metal-working tools; also work-benches and small tools for iron-working. Power is furnished by a steam engine, connected with two Babcock & Wilcox water tube boilers of 53 horse power. A practical machinist is foreman of this shop.

The shops and the drafting room are supplied with electric and natural gas lights for dark days and evening work.

An elementary course in physics, drafting, and mathematics, extending through one year is open to all regular or special students of the college.

Students in the scientific course may elect their major and both minors from the departments of physics, graphics, and mathematics, and may give still further time to these and other related departments, thus becoming well prepared to enter upon professional study, and at the same time secure the degree of Bachelor of Science.

The facilities for work in all the related departments of the college are available for the student in this department. For details of the work possible in this department, reference may be had to the outlined work in the departments of graphics, physics, mathematics, chemistry, natural sciences, languages, etc.

The following pieces of mechanical and scientific apparatus may be mentioned as a part of the work designed and constructed by the department:

CENTRIFUGE, giving 2,000 and 10,000 revolutions per minute.

ARC LAMP, for projection lantern.

TWO DYNAMOS, quarter horse power, alternators.

DYNAMO, six horse power, polyphase alternator.

THREE MOTORS, two horse power, polyphase.

ATWOOD MACHINE.

TRANSFORMER.

THERMOSTAT.

TWO AMPERE-METERS, for alternating currents.

VOLT METER, for alternating currents.

MACHINE, for finding personal equations.

MACHINE, for sawing rock sections.

TWO RESISTANCE BOXES.

THREE POLE KNIFE SWITCHES, for 50 amperes, 110 volts.

By the construction of such apparatus in this department, students of mathematics, graphics, physics, electricity, and the theory of mechanics, are enabled to make a practical application of these sciences. They thus fit themselves for actual mechanical and scientific work.

DEPARTMENT OF MUSIC

Miss Ethel Middaugh, Director

Miss Clara Fay, Violin

Miss Laura Shaw, Assistant in Pianoforte

Miss Maybelle Clarke, Assistant in Pianoforte

Mr. Schuyler C. Bradt, Clarinet

The courses of instruction embrace pianoforte, organ, violin, clarinet, voice, theory, harmony, and hand culture.

Plan of Instruction

The courses in pianoforte, organ, violin, and voice are taught privately and the work is divided into three general grades: elementary, intermediate, and advanced.

The elementary is devoted to the rudiments of notation and technique; the intermediate to the further development of musical knowledge and technique; the advanced to the acquisition of a degree of technique, interpretation, and general musical ability sufficient for a competent teacher and public performer.

Pianoforte Course

This course consists of works from the classics adapted to the several grades, with the New England Conservatory Pianoforte Course as text book. Studies by Krause, Czerny, Cramer, Moscheles, Henselt, and Chopin, with sonatas from Mozart, Haydn, and Beethoven, are used in connection with other modern and standard works.

Organ Course

The studies of Dunham, Stainer, and others are used with sonatas of Bach and Mendelssohn and a few modern works in free form.

Violin Course

This course includes progressive studies based on Hohmann's or Schubert's Violin Schools, followed by more advanced studies from Kayser, Schradieck, Kreutzer, or David. Students of this department have opportunity for ensemble work, including orchestra.

Clarinet Course

The foundation work is based on Langley's and Klose's Methods for the clarinet. Other studies and pieces, adapted to the needs of the pupil, are added throughout the course.

Voice Culture and Art of Singing

In this course the principles of breathing as applied to tone production and the art of vocalization, voice placing and elementary vocalization are acquired through the use of such exercises as are best adapted to the student. The studies of Bonaldi, Concone, Henschel, and Marchesi are principally used, supplemented with modern and classic songs in German, Italian, and English.

Theory and Harmony

Elson's Theory of Music and Chadwick's Harmony are the text books used. These studies are taught either privately or in classes.

Hand Culture and Vocal Classes

There is a weekly class in hand culture and musical dictation.

The sight singing class is an elementary class in voice culture, especial attention being given to breathing and sight reading. The text book used is Songs and Part Songs by Walter Damrosch.

The Chorus Class. In this class part songs and choruses from standard works are studied.

Public recitals are given quarterly.

Certificates

Certificates will be given in the vocal and instrumental departments on completion of the work of the grades, with the addition of one year's work in Theory and Harmony, regular attendance at the Hand Culture and Vocal classes, together with special training and practice in teaching.

Tuition, Per Quarter

Hand Culture class, free to pupils in instrumental department; to others	\$1 00
Sight Singing class, free to pupils in vocal department; to others	1 00
Chorus class	1 00
Theory or Harmony	5 00
Vocal or Instrumental Music, one half hour per week	7 50
Vocal or Instrumental Music, two half hours per week	10 00

COMPETITIVE FREE SCHOLARSHIPS

The Trustees of the University offer eighteen free scholarships for a full college course, to be awarded upon competitive examination. They are distributed as follows: Four in Allegany County, and two in each of the following counties: Cattaraugus, Livingston, Steuben, and Wyoming, in New York; and McKean, Potter, and Tioga in Pennsylvania. These Scholarships involve the following conditions:

1. The candidate shall be fully prepared for college.
2. All the schools in a county are entitled to compete for the scholarships offered in that county.
3. Only one scholarship will be awarded to any given school in any one year.
4. The student may be allowed six years in which to complete his college course.
5. A nominal fee of two dollars a year is charged for incidentals.
6. The competitive examination is held at Alfred. The next examination for these scholarships will occur on Thursday, June 9, 1904.
7. The examination will include four subjects, as follows: English, Latin, Mathematics; and as a fourth, Greek, German, or French, as the candidate may elect.
8. In the foreign languages, one-third of the examination will consist of translation of the text supposed to have been read by the applicant; one-third, sight translation; and one-third, general questions on syntax, vocabulary, etc.

In English, the examination will consist of (a) the writing of two essays of two hundred and fifty words each on topics selected by the candidate from a list of several to be announced for each examination. For the examination in June, 1904, the subjects will be chosen from Shakespeare's *Macbeth*; Milton's *Minor Poems*; Burke's

speech on *Conciliation with America*; Macaulay's *Essays on Milton and Addison*. (b) Questions on the subject-matter and literary form of the productions mentioned above. The questions will be framed with the expectation that the candidate has made a minute study of these books, and has studied a book equivalent in scope to Genung's *Outlines of Rhetoric*, or Hill's *Foundations of Rhetoric*.

9. The papers will be marked on a scale of one hundred. No free scholarship will be awarded to any candidate who fails to attain a standing of seventy-five per cent in each of the four subjects of the competitive examination.

In accordance with these regulations scholarships have been awarded to the following persons:

JUNE, 1898		
Melvin Coulston		Wellsville
Jessie Robbins		Bradford, Pa.
JUNE, 1899		
Robert Snowden Bell		Ceres
Henry Nelson Jordan		Alfred
JUNE, 1900		
Caroline Bell		Ceres
Glenn Roy Brainard		Dalton
Seymour Brownson Everts		Cuba
Ruth Harriet Mason		Rushford
JUNE, 1901		
Davis Lee Baker		Andover
Ralph Ellison Horton		Hammondsport
Charles Alpheus Howser, Jr.		Fillmore
JUNE, 1902		
Dora Adaline Brown		Hinsdale
John Augustus Lapp		Fillmore
Mabel Titsworth Rogers		Alfred
JUNE, 1903		
John Gardner Brown		Hinsdale
William T. Donaldson		Hartsville
Sarah Ethel Stevens		Alfred

DEGREES CONFERRED

June 25, 1903

In Course

BACHELOR OF ARTS

Daniel Alva Crandall	Rockville, R. I.
Alva Lucian Davis	New Milton, W. Va.
Seymour Brownson Everts	Salamanca
Henry Nelson Jordan	Nile
Franz Hubert Rosebush	Alfred

BACHELOR OF PHILOSOPHY

Virginia Knapp Reed	Hornellsville
Susie Crandall Saunders	Rochester
Effa Grace Steele	Bradford, Pa.

BACHELOR OF SCIENCE

Daniel Clark Babcock	Ashaway, R. I.
Walter Gillette Davis	Shiloh, N. J.
Gilbert Alan Farwell	Ischua
George Arthur Main	Alfred
Joseph Erastus Myers	Portville

BACHELOR OF DIVINITY

Rev. Herman Lang, A. M.,	Hornellsville
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On Examination

MASTER OF SCIENCE

George Manning Ellis, S. B.	Dodge Center, Minn.
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Honorary

MASTER OF ARTS

Elmer S. Redman, A. B.	Hornellsville
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DOCTOR OF LETTERS

Rev. Frank Samuel Child, A. M., D. D.	Fairfield, Conn.
Corliss Fitz Randolph, A. M.	Newark, N. J.

DOCTOR OF LAWS

Hon. Seymour Dexter, Ph. D.	Elmira
Rev. Alexander Cameron Mac Kenzie, A. M., D. D.	Elmira
Prof. Harry Thurston Peck, Ph. D., L. H. D.	New York
Hon. Frank Sullivan Smith, A. B., LL. B.	Angelica
Hon. T. Guilford Smith, A. M., C. E., LL. D.	Buffalo
Hon. Philip Taylor Van Zile, Ph. D.	Detroit, Mich.

DOCTOR OF DIVINITY

Rev. William Clifton Daland, A. M., D. D.	Milton, Wis.
Rev. Edwin Stoner Hoffman, A. B., B. D.	Hornellsville
Rev. Anthony T. De Leary, A. B., B. D.	London, England

HONORS

1902-1903

SENIOR HONORS

<i>Valedictory Oration</i>	Seymour Brownson Everts
<i>Salutatory Oration</i>	Susie Crandall Saunders
<i>Third Honor Orations</i>	{ Gilbert Alan Farwell Henry Nelson Jordan George Arthur Main

DEPARTMENT HONORS

Daniel Alva Crandall	History and Political Science, Philosophy and Education
Alva Lucian Davis	History and Political Science, Philosophy and Education
Walter Gillette Davis	Mathematics
Seymour Brownson Everts	Latin
Henry Nelson Jordan	History and Political Science, Philosophy and Education
George Arthur Main	Mathematics
Virginia Knapp Reed	English
Susie Crandall Saunders	English
Effa Grace Steele	English

SOPHOMORE HONORS

Paul Ernest Cox	Miriam Saunders
Jennie May Jones	Fred Ernest Walrath

FRESHMAN HONORS

Mary Elizabeth Binns	Charles Alpheus Howser
Dora Adaline Brown	John Augustus Lapp
Oliver Gilbert Brown	Julia Rose Richer
Alexander Campbell	Mabel Titsworth Rogers
Clarence Leon Clarke	Helen Anna Titsworth

REGISTER OF STUDENTS

1903-1904

Graduates

Name	Residence	Course
Bennehoff, James De Sett	Alfred	Sci.
Gamble, Louise Keziah	Alfred	Phil.
Jordan, Henry Nelson	Nile	Clas.

Seniors

Name	Residence	Course
Andrews, Carlton Garfield	Potter Hill, R. I.	Phil.
Bassett, Lavern Clark	Richburg	Phil.
Beebe, Marjorie Ethelind	Odin, Pa.	Phil.
Bell, Caroline	Ceres	Sci.
Bell, Flora Jane	Ceres	Sci.
Bonham, John Henry	Shiloh, N. J.	Phil.
Brainard, Glenn Roy	Dalton	Phil.
Brainard, Otis Bardell	Dalton	Phil.
Crandall, Blanche Margaret	Leonardsville	Phil.
Crandall, Linton Brown	Milton Junction, Wis.	Sci.
Davis, Herbert Eugene	North Loup, Neb.	Clas.
Jones, Robert Gilman	Shiloh, N. J.	Sci.
Krehbiel, Junius Frederick	Delevan	Sci.
Langworthy, Susie May	Alfred	Phil.
Mason, Ruth Harriet	Rushford	Clas.
Maxson, Harriette Ivaloo	Utica	Clas.
Ostrander, Frank Sherman	Almond	Sci.
Ross, Mary Alice	Plainfield, N. J.	Phil.
Titsworth, Paul Emerson	Alfred	Phil.
Wright, Isaac Miles	Scio	Sci.

Juniors

Name	Residence	Course
Annas, Alonzo Neil	Geneva	Sci.
Babcock, Sarah Rebecca	Leonardsville	Phil.
Baker, Davis Lee	Andover	Phil.
Brown, Ernest Ralph	West Clarksville	Clas.
Cox, Paul Ernest	Crawfordsville, Ind.	Sci.
Elliott, Cyrus LaVerne	Wellsville	Phil.
Hauber, Giles Chapin	North Bingham, Pa.	Clas.
Horton, Ralph Ellison	Hammondsport	Phil.
Jones, Jennie May	Norway	Sci.
Post, George Washington, Jr.	Chicago, Ill.	Sci.
Reed, Mabel Eliza	Hornellsville	Sci.
Rosebush, Stephen Carl	Alfred	Clas.
Walrath, Fred E.	Jasper	Sci.
Watson, Lloyd Raymond	Cuba	Clas.
Wilson, Lela	Attalla, Ala.	Phil.

Sophomores

Name	Residence	Course
Almy, M. Carl	Hornellsville	Phil.
Babcock, Leonidas Emile	Alfred	Sci.
Bakker, Garrelt Freerk	Rotterdam, Holland	Clas.
Binns, Mary Elizabeth	Alfred	Phil.
Briggs, Ralph Maxson	Ashaway, R. I.	Phil.
Brown, Dora Adaline	Hinsdale	Phil.
Brown, Oliver Gilbert	Honeoye	Sci.
Campbell, Alexander	Seneca Falls	Sci.
Childs, Ethel Arvilla	Wellsville	Sci.
Clarke, Clarence Leon	Alfred	Phil.
Cook, Leon Emory	Andover	Sci.
Davis, Wilburt	Shiloh, N. J.	Sci.
Howser, Charles Alpheus	Fillmore	Sci.
Langworthy, William Norton	Alfred	Sci.
Lapp, John Augustus	Fillmore	Phil.
Lewis, Welcome Babcock	Adams Centre	Sci.
Norwood, John Nelson	Alfred	Phil.
Palmer, Everett Charles	Hornellsville	Sci.
Pettit, Joseph Flagler	Clifton Springs	Sci.
Pierce, Julia Gertrude	Humphrey Centre	Sci.
Randolph, Sabella	Alfred	Sci.
Richer, Julia Rose	South Otselic	Sci.
Rogers, Mabel Titsworth	Daytona, Fla.	Phil.
Schaible, Ernest Linwood	Shiloh, N. J.	Phil.
Shannon, John Emanuel	Alfred Station	Sci.
Stevens, James Garfield	Alfred	Phil.
Titsworth, Helen Anna	Alfred	Phil.
Turnbull, Lancelot	East Liverpool, Ohio	Sci.
Vincent, John Estes	Cape Vincent	Phil.

Freshmen

Name	Residence	Course
Baggs, Arthur Eugene	Alfred	Phil.
Bell, Marcus Llewellyn	Deposit	Sci.
Bonham, Fannie	Shiloh, N. J.	Sci.
Boothe, Emily	Cholo, Africa	Phil.
Brown, John Gardner	Hinsdale	Phil.
Brown, Myra Sophronia	Leonardsville	Phil.
Burdick, Frances Laura	Ashaway, R. I.	Phil.
Chesebrough, Orville Hoxsie	Clarks Falls, Conn.	Phil.
Collister, Melrose Alzina	Fillmore	Phil.
Craw, James	Alfred	Phil.
Davis, Theodore Gardiner	Shanghai, China	Sci.
Dixon, Ida Mabel	Shiloh, N. J.	Phil.
Graham, Ruth Evelyn Mary	Angelica	Phil.
Langworthy, Harry Wells	Alfred	Phil.
Moulton, Karl	Cuba	Sci.
Robinson, Clara Esther	Friendship	Phil.
Robinson, Deo O.	Hornellsville	Sci.
Robinson, Earle Jordan	Friendship	Sci.
Shaw, Frank Clyde	West Almond	Phil.
Shaw, George Hamill	Baldwinsville	Sci.
Shaw, Leon Irwin	Alfred	Sci.
Sherman, Ruth Forbes	Cowanesque, Pa.	Sci.
Shufeldt, Charles Lee	Troupsburg	Phil.
Stevens, Sarah Ethel	Alfred	Phil.
Whipple, Bernice Ella	Westerly, R. I.	Clas.

Specials

Name	Residence
Binns, Dorothy Nevill	Alfred
Burdick, Bessie Angelia	Alfred
Burdick, Charles Alfred	Farina, Ill.
Cartwright, Emma Katherine	Richburg
Cochrane, Clarence Lavern	Andover
Corwin, Allen Winfred	Andover
Davis, Delma Martha	Salem, W. Va.
Davis, Lucile Tomlinson	Shiloh, N. J.
Davis, Lynn Harrison	Alfred
Davis, Samuel Erlow	Jane Lew, W. Va.
Frost, Gordon Bennett	Fort Ann
Gamble, Edward Andrews	Alfred
Jackson, Harry William	Wheeling, W. Va.
Kentner, Ruth Clover	Constableville
Lowther, Clellie	Salem, W. Va.
Moore, Aleitha Florence	Indiana, Pa.
Pattison, Charles Lewis	Elkland, Pa.
Randolph, Cecilia Annette Fitz	Alfred
Saunders, Nellie Almira	Alfred
Sherman, Olive Forbes	Cowanesque, Pa.
Stillman, Ella Witter	Alfred
Stillman, Ruth	Alfred
Takehara, Tsuneta	Okayama, Japan
Watson, Charles Huber	Cuba
Wilson, Romaine	Wellsville
Young, Howard Comstock	Cuba

Summary

Graduates	-	-	-	-	-	-	-	-	-	3
Seniors	-	-	-	-	-	-	-	-	-	20
Juniors	-	-	-	-	-	-	-	-	-	15
Sophomores	-	-	-	-	-	-	-	-	-	29
Freshmen	-	-	-	-	-	-	-	-	-	25
Specials	-	-	-	-	-	-	-	-	-	26
Total	-	-	-	-	-	-	-	-	-	118

GIFTS AND BEQUESTS

Suggestions

The demands upon institutions of learning are broadening, year by year, and equipment and endowment must be increased to keep pace with the demands. Alfred forms no exception to this rule. With the assistance of her friends, she has been enabled to meet all requirements in the past. Relying upon a continuation of that kindly interest in her work, there is here presented for consideration a variety of channels in which substantial aid in meeting the demands of the future may be directed:

INCREASE IN THE GENERAL ENDOWMENT FUND, the income of which shall be at the disposal of the University for its general expenses.

THE ENDOWMENT OF PROFESSORSHIPS. Twenty-five thousand dollars will endow a professor's chair.

THE ENDOWMENT OF SCHOLARSHIPS to pay the term bills of worthy, but needy students. One thousand dollars will endow a scholarship.

A scholarship may be instituted conditionally by the payment of one hundred dollars, and kept alive by the payment of not less than twenty-five dollars every two years thereafter, until one thousand dollars have been paid, and the beneficiary will be credited on his tuition charges with the income of the fund. Where the scholarship is founded by a church or society, if twenty-five dollars or more be added to the principal annually, then the beneficiary will be granted free tuition.

THE CENTENNIAL FUND was established in 1899 with the expectation that it will amount to \$100,000 when the University shall celebrate its centennial. Gifts to this fund may be made in amounts from \$1 to \$100.

A LIBRARY BUILDING which will cost from \$25,000 to \$50,000.

THE GIFT OF BOOKS and of money to buy books.

Every gift will be used as the donor may direct. The giver of fifty dollars or more will be asked to allow his name to be used in connection with the gift in the reports of the University.

Forms of Bequest

I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of.....dollars, to be safely invested, and called "The.....General Endowment Fund;" the net income only to be used for the general expenses of the University.

I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of Twenty-five thousand dollars, to be safely invested, and called "The.....Professorship;" the net income only, or so much thereof as may be necessary, to be used to pay the salary of the incumbent of said professorship, the surplus income, if any, to be at the disposal of the University.

I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of One thousand dollars, to be safely invested, and called "The.....Scholarship;" the net income only to be used for the payment of the term bills of some worthy and needy student; the surplus income, if any, to be at the disposal of the University.

I give, devise, and bequeath to ALFRED UNIVERSITY, located at Alfred, New York, the sum of.....dollars to be expended in the purchase of books for the Library.

THE ALUMNI ASSOCIATION

This Association includes all graduates of the University, all persons who have received degrees from it, members of the Faculty, and former students who have been in attendance for one year or more. The annual fee is one dollar.

The objects of the Association are to foster fraternal intercourse and sympathy, and the interest of its members in their Alma Mater, as well as to promote the welfare of Alfred University.

At the time of its organization in 1886, the Association established a perpetual fund for the benefit of the University, giving it the name of the KENYON-ALLEN ENDOWMENT FUND. This fund now amounts to over \$10,000. The Association has adopted a form of pledge to pay, for the benefit of the fund, one dollar a month for five years, and a considerable amount has already been secured in this manner. Pledges or contributions in cash are solicited, and will be duly acknowledged and added to the fund. The income of the fund is used, in part to defray the expenses incident to a course of lectures annually before the University, and in part to assist in the payment of the salary of the President.

The Association is represented on the Board of Trustees of the University by nine trustees, three of whom are elected each year for a term of three years.

The Annual Meeting of the Association is held on Wednesday of Commencement Week, the whole day being given over to the Association.

Board of Directors

1903-1904

Supt.	HENRY M. MAXSON, A. M., (68-69), President,	Plainfield, N. J.
Prof.	ALPHEUS B. KENYON, S. M., '74, Vice President,	Alfred
Prof.	WILLIAM C. WHITFORD, A. M., Secretary,	Alfred
	ELWOOD E. HAMILTON, Ph. B., '84, Treasurer,	Alfred
Hon.	ISAAC B. BROWN, LL. D., '69,	Harrisburg, Pa.
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	WILLIAM H. CRANDALL, Esq., (62-65)	Alfred
Prin.	EARL P. SAUNDERS, A. M., '80,	Alfred
	THEODORE S. HUBBARD, Ph. M., '64,	Geneva
	D. SHERMAN BURDICK, Ph. B., '82,	Alfred
Hon.	DANIEL LEWIS, Ph. D., LL. D., M. D., '69,	New York City
	CHARLES CLARENCE CHIPMAN, Acct. B., '86,	New York City
Hon.	DANIEL BEACH, Ph. D., LL. D., '56,	Corning

Executive Committee

Officers, *Ex-Officio*, and Messrs. E. M. TOMLINSON, E. P. SAUNDERS, W. H. CRANDALL.

Endowment Fund Committee

Messrs. ORRA S. ROGERS, Chairman, C. C. CHIPMAN, DANIEL LEWIS and the Officers, *Ex-Officio*.

Lecture Committee

Messrs. CORLISS F. RANDOLPH, DANIEL LEWIS, A. B. KENYON

Library Director

HERBERT G. WHIPPLE

University Trustees

Representing Alumni

		Term Expires
Hon.	ALBERT B. COTTRELL, (59-60)	Alfred 1904
Rev.	OSCAR U. WHITFORD, A. M., D. D., '63,	Westerly, R. I.
	CORLISS F. RANDOLPH, A. M., L. H. D. '88,	Newark, N. J.
Prof.	DARIUS R. FORD, D. D., '48,	Belfast 1905
Hon.	JOHN N. DAVIDSON, E. M., '54,	Wiscoy
	D. SHERMAN BURDICK, Ph. B., '82,	Alfred
Hon.	DANIEL LEWIS, Ph. D., LL. D., M. D., '69,	New York City 1906
Hon.	SEYMOUR DEXTER, A. M., Ph. D., LL. D., '64,	Elmira
Hon.	PETER B. MCLENNAN, Ph. D., LL. D., '73,	Syracuse

Candidates for the Board of Trustees of the University

For the term beginning in June, 1904

Hon.	ALBERT B. COTTRELL, ('59-'60)	Alfred
Rev.	OSCAR U. WHITFORD, A. M., D. D., '63,	Westerly, R. I.
	CORLISS F. RANDOLPH, A. M., L. H. D.,	Newark, N. J.
Hon.	MILO M. ACKER, ('76-'77)	Hornellsville
Prof.	ALFRED A. TITSWORTH, C. E., M. S., ('69-'70)	New Brunswick, N. J.
Hon.	J. ERNEST B. SANTEE, ('66-'67),	Hornellsville
	ORRA S. ROGERS, S. B., '94,	Plainfield, N. J.
	DAVID I. GREEN, Ph. D., '84,	Hartford, Conn.
Miss	SUSIE M. BURDICK, Ph. M., '83,	Alfred

Alfred Alumni Association of New York

Officers

Hon.	DANIEL LEWIS, Ph. D., M. D., '69, President,	252 Madison Avenue, New York City
Prin.	FRANK L. GREENE, A. M., Vice-President,	490 Vanderbilt Avenue, Brooklyn, N. Y.
	JOSEPH M. TITSWORTH, Vice-President,	Plainfield, N. J.
	CHAS. CLARENCE CHIPMAN, Acct. B., '86, Vice-President,	220 Broadway, New York City
	HERBERT G. WHIPPLE, A. B., '87, Secretary and Treasurer,	220 Broadway, New York City

Alfred Alumni Association of Syracuse

Officers

Hon.	PETER B. MCLENNAN, Ph. D., LL. D. '73, President,	Syracuse, N. Y.
Prin.	FRED W. CRUMB, A. M., Secretary,	Bainbridge, N. Y.

PREPARATORY SCHOOL

ALFRED ACADEMY, the Preparatory School of the University, is located on the campus and is controlled by the University Trustees. Its students enjoy the benefits of the University Library, the Museums, Laboratories and Gymnasiums.

There are courses of study preparatory to the several college courses, including courses leading to the Regents Academic Diploma.

The Academy affords the facilities found in the best High Schools and Academies for general training as well as for college preparation.

The department of Music in the College is open to students of the Academy.

Alfred Academy has a faculty of six members, all of whom are either College or Normal graduates. It has an enrollment of about 150 students, and has long maintained an enviable reputation as a preparatory school.

For catalogue of the Academy, or for further information, address.

EARL P. SAUNDERS, A. M., Principal,

Alfred, N. Y.

Presidents of the University

WILLIAM COLEGROVE KENYON, A. M.	1857-66
JONATHAN ALLEN, PH. D., D. D., LL. D.	1866-92
ALPHEUS BURDICK KENYON, S. M. (Acting)	1892-93
ARTHUR ELWIN MAIN, A. M., D. D.	1893-95
BOOTHE COLWELL DAVIS, PH. D., D. D.	1895-