

THIRTY-EIGHTH  
ANNUAL CATALOGUE

OF

**BUCHTEL COLLEGE**

AND

**ACADEMY**

FOR THE YEAR  
1908-1909

**AKRON : OHIO**

PUBLISHED BY THE COLLEGE, APRIL, 1909.

# BUCHTEL COLLEGE

AND

# ACADEMY

Founded in 1870 by the  
OHIO UNIVERSALIST CONVENTION

Named in honor of  
HON. JOHN R. BUCHTEL

**CO-EDUCATIONAL**

**NON-SECTARIAN**

Furnishes the highest grade of Classical, Literary and Scientific instruction, under the immediate direction of Thorough and Experienced Teachers.

Three College Courses leading to the Baccalaureate Degrees of A. B., Ph. B. and S. B.

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For catalogue and other information address

A. B. CHURCH, D. D., LL. D., President,  
AKRON, OHIO

## CALENDAR.

1909.

January 4, Monday, 7:45—Class work will be resumed.  
January 18, Monday—Founder's Day.  
January 28, Thursday, 4:00 P. M.—First Half-Year closes.  
January 29, Friday, and February 1, Monday—Registration and classification.  
February 2, Tuesday, 7:45 A. M.—Class work begins.  
February 22—Legal Holiday.  
March 10, Wednesday, 9:30 A. M.—Mid-Year Meeting of Board of Trustees at Buchtel Hall.  
March 12, Friday, 7:30 P. M.—Sophomore Ashton Prize Speaking.  
April 3, Saturday, 12:00 M., to April 12, inclusive—Easter recess.  
May 14, Friday—Tree Holiday.  
June 5, Saturday, 12:00 M.—Senior Vacation begins.  
June 11, Friday, 8:00 P. M.—Graduating Exercises of the Academy.  
June 13, Sunday, 2:30 P. M.—Baccalaureate Service and Sermon, Crouse Gymnasium.  
June 14, Monday, 10:00 A. M.—Senior Class Exercises; 8:00 P. M.—Senior Promenade.  
June 15, Tuesday, 9:30—Annual Meeting of the Board of Trustees, Buchtel Hall.  
June 15, Tuesday, 2:30 P. M.—Junior Ashton Prize Speaking.  
June 15, Tuesday, 8:00 P. M.—President's Reception.  
June 16, Wednesday, 9:30—Commencement Address and Conferring of Degrees.  
June 16, Wednesday, 2:00 P. M.—Meeting of Alumni Association.  
June 16, Wednesday, 8:00 P. M.—Social Reunion for Alumni, former students and teachers, and opening of Knight Chemical Laboratory. Banquet, Crouse Gymnasium.  
June 17 to September 13—Summer Vacation.  
September 13, Monday, 1:30 P. M.—First Half-Year of College and Academy begins. Local registration and classification.  
September 14, Tuesday, 9:00 A. M.—Classification and registration of foreign students.  
September 15, Wednesday, 7:45 A. M.—Regular class work begins.  
November 24, Wednesday, 12:00 M., to Monday, 12:00 M.—Thanksgiving recess.  
December 3, Friday, 7:30 P. M.—Senior Ashton Prize Speaking.  
December 22, Wednesday, 12:00 M.—Christmas recess begins.

1910.

January 3, Monday, 12:00 M.—Class work will be resumed.  
January 18, Tuesday—Founder's Day.  
January 20 and 21, Thursday and Friday, P. M.—Classification for second semester.  
January 28, Friday, 4:00 P. M.—First Half-Year closes.  
February 2, Wednesday, 7:45—Class work resumed.  
February 22, Tuesday—Legal Holiday.  
March 9, Wednesday, 9:30 A. M.—Mid-Year Meeting of Board of Trustees, Buchtel Hall.  
March 11, Friday, 7:30 P. M.—Sophomore Ashton Prize Speaking.  
March 22, Tuesday, 4:00 P. M.—Easter Vacation begins.  
March 29, Tuesday, 7:45 A. M.—Class work resumed.  
May 30, Tuesday—Legal Holiday.  
June 4, Saturday, 12:00 M.—Senior Vacation begins.  
June 10, Friday, 8:00 P. M.—Senior Class exercises of the Academy.  
June 12, Sunday, 2:30 P. M.—Baccalaureate Service and Sermon, Crouse Gymnasium.  
June 13, Monday, 10:00 A. M.—Senior Class Exercises.  
June 13, Monday, 8:00 P. M.—Senior Promenade.  
June 14, Tuesday, 9:30 A. M.—Annual Meeting of Board of Trustees, Buchtel Hall; 2:30 P. M.—Junior Ashton Prize Speaking.  
June 14, Tuesday, 8:00 P. M.—President's Reception.  
June 15, Wednesday, 9:30 A. M.—Commencement Address and Conferring of Degrees.  
June 15, Wednesday, 2:00 P. M.—Meeting of Alumni Association at Buchtel Hall.  
June 15, Wednesday, 8:00 P. M.—Reunion and Banquet for Alumni and former students.

**TRUSTEES.**

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in  
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**PRESIDENTS OF BUCHEL COLLEGE.**

S. H. MCCOLLESTER, D. D., Litt. D.....1872-1878  
E. L. REXFORD, D. D.....1878-1880  
\*ORELLO CONE, D. D.....1880-1896  
C. M. KNIGHT, Sc. D., (ad interim).....1896-1897  
I. A. PRIEST, D. D.....1897-1901  
A. B. CHURCH, D. D., LL. D.....1901-

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\*Deceased.

## FACULTY, INSTRUCTORS AND OFFICERS\*

For the Year 1908, 1909 and 1910.

A. B. CHURCH, A. M., D. D., LL. D.

PRESIDENT

*Messenger-Professor of Mental and Moral Philosophy*  
President's House, 250 East Buchtel Avenue

CHARLES M. KNIGHT, A. M., Sc. D.,

DEAN OF THE FACULTY

*Buchtel-Professor of Chemistry*  
129 S. Union Street

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*Professor of Latin and Greek*

On leave of absence during 1908-09.

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336 East Buchtel Avenue

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476 Orchard Court

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*Hilton-Professor of German Language and Literature*

108 South Union Street

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*Pierce-Professor of English and Literature*

407 Vine Street

PAUL BIEFELD, B. S., E. E., Ph. D.,

*Ainsworth-Professor of Mathematics, Astronomy and  
Physics*

479 Orchard Court

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\*Except the President, the arrangement is in order of appointment.

CHARLES R. OLIN, B. S.,  
*Instructor in Mechanical Drawing and Freshman  
Mathematics*  
421 Spicer Street

KATHARINE MERRILL, A. M.,  
*Professor of Rhetoric and Spoken English*  
167 South Union Street

SARAH DEMAUPASSANT PLAISANCE, A. M.,  
*Professor of Romance Languages*  
167 South Union Street

M. ALICE RINES, A. M.,  
*Acting Professor of Greek and Latin for 1908-1909*  
425 East Exchange Street

ELIZABETH M. WEAVER, A. B., M. D.,  
*Lecturer to Women on Hygiene and Physical Training*  
26 South Maple Street

HONOR C. FOUCH,  
*Assistant in German 1908-1909*  
298 Carroll Street

MARJORIE MEANS, 1909-1910  
432 Crosby Street

COTTIE P. SHUMAN, Ph. B.,  
*Assistant in Chemistry*  
258 Wooster Avenue

THERON S. JACKSON,  
*Assistant in Biology*  
286 Carroll Street

CHARLES O. RUNDELL, B. S.,  
*Principal of the Academy and Teacher of German*  
608 East Buchtel Avenue

M. ALICE RINES, A. M.,  
*Assistant Principal of the Academy and Teacher of Latin*  
425 East Exchange Street

CHARLES H. SHIPMAN, A. B.,  
*Teacher of Physical Science and Mathematics and Teacher  
of Physical Training for Young Men*  
69 Kirkwood Street

MRS. ELIZABETH A. THOMPSON,  
*Teacher of English and History*  
271 Rosedale Place

HAZEL VAN L. SMITH, Ph. B.,  
*Teacher of Latin for 1908-1909*

MAY F. SANFORD,  
*Teacher of Drawing and Director of the Buchtel Art School*  
494 West Market Street

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187 Elwood Avenue

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*In Charge of Curtis Cottage*

S. ESTELLA OLIN,  
*Office Assistant*

CHARLES ANDREWS,  
*Janitor*  
265 Carroll Street

## COMMITTEES OF THE FACULTY.

1908-09.

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*Secretary of Faculty*

PROFESSOR O. E. OLIN

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The above named persons have signified their willingness to serve on the Reference Committee. From time to time, catalogues and such other advertising matter of Buchtel College, as may be at hand, will be sent to each member of the committee.

Parents desiring to inform themselves about college courses and methods, and students desiring to enter College, are advised to call upon some member of the committee who may reside in the vicinity.

## **ENDOWMENTS.**

### **MESSENGER PROFESSORSHIP.**

The Messenger Professorship of Mental and Moral Philosophy was endowed by Mrs. Lydia A. E. Messenger, late of Akron, in memory of her deceased husband, Rev. George Messenger.

### **HILTON PROFESSORSHIP.**

The Hilton Professorship of Modern Languages was endowed by John H. Hilton, late of Akron.

### **PIERCE PROFESSORSHIP.**

The Pierce Professorship of English Literature was endowed by Mrs. Chloe Pierce, late of Sharpsville, Pa.

### **BUCHTEL PROFESSORSHIP.**

The Buchtel Professorship of Physics and Chemistry was named in honor of Mrs. Elizabeth Buchtel, late of Akron.

### **AINSWORTH PROFESSORSHIP.**

The Ainsworth Professorship of Mathematics and Astronomy was endowed by Henry Ainsworth, late of Lodi.

### **RYDER PROFESSORSHIP.**

The Ryder Professorship of Rhetoric and Oratory was established by the Board of Trustees in memory of Dr. William H. Ryder, late of Chicago.

### **MESSENGER FUND.**

The Messenger Fund was created by Mrs. Lydia A. E. Messenger, late of Akron. The fund consists of \$30,000.

### **ISAAC AND LOVINA KELLY FUND.**

The Isaac and Lovina Kelly Fund was created by Isaac Kelly, late of Mill Village, Pa. This fund consists of \$35,788.

### **WILLIAM PITT CURTIS FUND.**

This fund was established by William Pitt Curtis, of Wadsworth, O. It now amounts to \$25,000.

## PERPETUAL SCHOLARSHIPS.

Fifty perpetual scholarships of \$1,000 each have been established by the following donors:

*MISS E. V. STEADMAN	Marietta
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†MISS HANNAH ALLYN	Akron
*MRS. ROSA G. WAKEFIELD	Green

These Scholarships are intended to aid worthy and deserving students, and are awarded by a Scholarship Committee under authority from the Board of Trustees.

\*Deceased.

†In honor of her father, Eliphas Burnham.

‡In memory of her father and mother, Mr. and Mrs. Israel Allyn, and her sister, Lucy Allyn.

## **GENERAL INFORMATION.**

### **FOUNDATION.**

Buchtel College was founded in 1870, by the Ohio Universalist Convention, and took its name from its most generous benefactor, Hon. J. R. Buchtel, who consecrated his life and wealth to its support. It was chartered by the Ohio Legislature in the same year as a College of Liberal Arts and Letters, and first opened its doors for the admission of students in September, 1872. It is designed to secure the highest grade of Classical, Scientific and Literary culture known to American Colleges.

### **LOCATION.**

Buchtel College is located in Akron, Summit County, Ohio. This city, with a population of about 65,000, is situated in the midst of hills and valleys, and is one of the most picturesque in the country. It is a healthful city and easy of access, having direct connection with all parts of the country. It is located on the line of the Erie (New York, Pennsylvania & Ohio); Cleveland, Akron & Columbus; Cleveland, Terminal & Valley; Pittsburg & Western; Northern Ohio, and Baltimore & Ohio Railways; also on the A., B. and C., and Kent, Ravenna, Canton, Barberton and Wadsworth Divisions of the Northern Ohio Traction Company's electric lines.

### **BUILDINGS AND GROUNDS.**

The College Campus comprises six acres, is situated on the highest eminence in the county and faces on Buchtel Ave., one of the pleasant residence streets of the city. The Loop Line electric cars, which receive transfers from all city and suburban lines, pass the college gates.

At present there are eight buildings on the campus, these being only the beginning of the prospective quadrangle of the Greater Buchtel.

Owing to the fire of 1899 the Buchtel Hall, Knight laboratory, Curtis Cottage and Academy buildings and the

heating plant are each new, with new furnishings and laboratory equipments, and are admirably adapted to the work required of them.

#### **BUCHTEL HALL.**

Buchtel Hall, designed for College classes in all work except Chemistry, is a beautiful building, classic in design and convenient in arrangement. As is shown by the cut, the main entrance is up a broad flight of marble steps to the first floor, which is high enough to leave the basement story almost entirely above ground. In the center of the first floor is the grand staircase and an open court extending to a skylight. There are four large recitation rooms with a Professor's private office connected with each on the first and the second floors. On the ground floor, besides a work-shop and separate study, bicycle, and toilet rooms for young men and women, is a suite of six rooms well planned and equipped for the Physical Laboratories.

#### **KNIGHT CHEMICAL LABORATORY.**

The Knight Chemical Laboratory, for the construction of which Andrew Carnegie gave \$25,000, is a three story brick building containing eighteen rooms. It combines the best ideas of modern laboratory arrangements and is admirably equipped for the work of that department. A large and well lighted room is provided for the special library and reading room of the department, and in addition to the regular courses, laboratories have been provided for special courses in rubber and clay analysis, introductory to these great industries of the city.

#### **BUCHTEL ACADEMY.**

The Academy is designed for the convenience of the Preparatory and Art Schools. It is a roomy and convenient three-story building. On the ground floor are the Physical Laboratories, and the separate lockers and toilet rooms for young men and women. On the second floor

are the Administration Offices and the main recitation rooms. On the third floor are the large Art Rooms and an Assembly Room, which is used for College Mechanical Drawing.

#### **FIRE PROOF.**

These three buildings have the heating, ventilating and sanitary arrangement and appointments of the most approved kind known to modern builders. With the Gymnasium, they are heated from one central heating plant.

#### **ASTRONOMICAL OBSERVATORY.**

The Observatory is intended for the use of students, and, although some of the apparatus is very delicate and costly, yet it will be freely placed in the hands of those students who prepare themselves for its use. It is furnished with the following instruments:

An Equatorial Telescope of 4.5 inches aperture.

A Meridian Circle of 3 inches aperture, provided with various necessary accessory apparatus, and so mounted that it can be used as a Zenith Telescope.

Two Astronomical Clocks, furnished with electric connections.

A Chronograph.

Various other minor apparatus.

#### **CROUSE GYMNASIUM.**

This building is named in honor of Hon. George W. Crouse, of Akron, one of the liberal benefactors of the College.

The structure is a substantial brick building, one hundred and two feet in length by fifty-three feet in breadth. The basement contains the locker, dressing and bathing rooms thoroughly furnished. On the first floor are the Directors' office and the Gymnasium proper, which is eighty-four feet long and forty-eight feet broad. This room is equipped with approved apparatus and offers every facility for physical development. A running gallery of twenty-five laps to the mile surrounds the room.

The Gymnasium is open at stated times for the exclusive use of the young women, and at other times for the exclusive use of the young men.

In addition to the above mentioned facilities for physical culture, the College possesses, only three squares away, extensive Athletic Grounds of four acres, which are admirably adapted for use of the students in playing base ball, foot ball, lawn tennis and similar games.

The Buchtel College Music School occupies certain rooms in the Gymnasium. A two-manual pipe organ has been recently erected for chapel use and instruction.

The Gymnasium is also used, for the present, as the chapel assembly room.

#### **THE HEATING PLANT.**

The Heating Plant is located in a building by itself, thus avoiding any danger from fire or explosion. The plant is equipped with a thoroughly modern smoke consuming device. By means of conduits the steam is conveyed to the other buildings where fresh air is heated and forced through the rooms by the fan system.

#### **CURTIS COTTAGE.**

Curtis Cottage is the college home for women. It was completed and first occupied in January, 1905. It has eleven student rooms, uniform in size and furnishings and arranged for two students in a room,—parlors, dining room, kitchen, laundry and its own efficient hot water heating plant. It furnishes also a delightful suite of rooms for each of the women's fraternities.

The Cottage is in charge of a preceptress of culture and school experience, and provides, at a moderate expense, a home for women students, which is most modern and sanitary in all of its appointments, convenient and comfortable in its arrangements, and delightful and elevating in its social life.

#### **THE PRESIDENT'S HOUSE.**

The President's house is situated on the Campus within easy access of the other buildings; is a commodious, substantial brick structure with modern conveniences and is occupied by the President and his family.

#### **AIM.**

Buchtel College is organized and equipped to give to young men and women a wholesome physical development, a most thorough mental discipline, and a practical, altruistic, moral training; to hold up before them the noblest ideals of manhood and womanhood and to develop within them a genius for usefulness.

#### **INSTRUCTION.**

The instruction of the College aims to combine the advantages of the lecture, recitation and laboratory system.

#### **COLLEGE COURSES.**

The curriculum embraces:

First: A Classical Course.

Second: A Philosophical Course.

Third: A Scientific Course.

These are four-year courses leading to the degrees of A. B., Ph. B., and S. B., and are equal to those adopted by other similar institutions of the country.

#### **ACADEMY COURSES.**

In connection with the College, but occupying a separate building on the Campus and with a separate Faculty, is Buchtel Academy, in which students are thoroughly prepared for college entrance. Owing to limited numbers, the student is under the personal supervision of a strong corps of teachers and is afforded daily practical drill in class room and laboratory work.

#### **BUCHTEL SCHOOL OF MUSIC.**

The Music School is located at the College in Crouse Gymnasium. Thorough and technical training, begin-

ning with fundamentals, is given in instrumental courses by capable and experienced specialists.

#### **BUCHTEL SCHOOL OF ART.**

The Art School is situated at the Academy Building in a specially arranged and equipped suite of rooms and is under the personal supervision of a trained and experienced specialist. The School offers excellent advantages for the study of Art. It embraces instruction in charcoal, crayon, pencil, pastel, oil and water color. Students work from original designs, life, casts, and still life.

#### **LABORATORY AND APPARATUS.**

The new Knight Chemical Laboratory with its ten separate and well equipped laboratory room, thesis, library and lecture rooms, affords the best of facilities for students pursuing this line of work. The large, well lighted and completely equipped general laboratories are well adapted to the work in elementary and in advanced chemistry while the separate laboratories for rubber, clay, cement, assaying, water analysis, gas analysis, physical chemistry and electrolysis offer excellent opportunities for research and specialization in many attractive and fruitful fields.

The laboratories for physics are arranged in the basement of Buchtel Hall. Six rooms are given to the use of experimental physics. The rooms for experiments in electricity and magnetism are free from iron in their construction, and solid masonry floors in all laboratories secure the delicate instruments from outside jar and disturbance.

Excellent facilities for work in photography are provided by a well equipped dark-room, and students in physical science are encouraged to become familiar with the best methods of experimental illustration.

The department of Natural Science is located in the new Buchtel Hall, where three laboratory and lecture rooms are fitted for work in biology and geology. The

student is supplied with microscopes, reagents, microtomes, and other apparatus needful for thorough work in Biological research. A collection of minerals and crystals, together with maps, charts, and a paleontological cabinet, comprise the equipment for work in Geology.

The College is supplied with excellent surveying instruments in the way of compass, engineer's level, surveyor's transit with solar attachment for determining the true meridian independent of the needle, chains, tapes, poles, pins, etc.

The Astronomical Observatory is adequately equipped with efficient, delicate and costly instruments for carrying on in a practical laboratory way that line of higher mathematics.

#### **BIERCE LIBRARY.**

The College Library had its origin with a collection of works donated in 1874 by the late Gen. L. V. Bierce. During the early days of the College the Library was augmented by books purchased from the proceeds of a bequest received from Gen. Bierce's estate. In recognition of this early gift the Library has been called the Bierce Library.

At the present time the Library is in Buchtel Hall and embraces about 9,000 bound volumes of standard works (exclusive of public documents). These books have been mostly selected with special reference to their use in connection with the various departments of college instruction. All are classified and arranged on the shelves by the Dewey system of classification. Since the fire of 1899 the Library has been reclassified and recatalogued and put in the best working condition for students.

In connection with the Library is the College Reading Room, which has upon its files the leading periodicals and newspapers of the day. These are selected, upon recommendation of the various professors, with special reference to supplementing their class-room instruction.

These periodicals, when bound form a valuable part of the Reference Collection. Over 300 volumes have accumulated in the stock room since the fire. During the past year, through the kindness of Prof. A. S. Root, of the Oberlin College Library, and Miss Pauline Edgerton, of the Akron Public Library, many of the missing numbers and volumes destroyed by the fire were secured to complete the files with a view to binding. Through the kindness of friends of the college 100 of these volumes have recently been bound and placed on the shelves. The Alumni Association have now started a fund for the binding of periodicals and books. This fund will put a large part of the remaining number in shape for better service and it is hoped that frequent additions will be made to insure the binding for the future. The Library is open during term time every week day except legal holidays. The hours are 7:30 a. m.—12:00 m. and 1:00 p. m.—5:00 p. m., except Saturday when they are 7:30 a. m.—11:30 a. m. Each student may draw two books at a time and keep them for a period of two weeks. Books from the reserve shelves, i. e. books reserved by the professors for class use cannot be taken from the Library until 4:45 p. m. and must be returned before 7:45 a. m. of the following day.

A trained librarian of experience has charge of the Library to render it of greatest usefulness to the students.

#### **ATHLETICS.**

Recognizing the fact that physical training is as legitimate a part of any system of education as is the mental, Buchtel College has made ample provision for this course in education, in her large and well equipped Gymnasium and Athletic Field. Systematic instruction is given to both young men and women in the Gymnasium each year by trained instructors, and the young men are given systematic training and regular drill in track athletics. Public sports, such as foot ball, base ball, basket ball and lawn tennis are permitted and encouraged so far as is

consistent with the student's health and with his progress in the class-room.

#### **ORATORICAL ASSOCIATIONS.**

The students of Buchtel College maintain an Oratorical Association, to which all college students are eligible. The object of the society is to secure an increased interest in public speaking, with special reference to the presentation of original productions. The local association is a branch of the State Association, which includes a number of the leading colleges of the State. Each year a local contest is held by the association, the winner of which is sent by the association to the State contest. The successful contestant in the State contest represents the State in the Inter-State contest.

#### **DRAMATIC CLUB.**

A Dramatic Organization is maintained by the students for mutual self-culture, and for the study of literature and the histrionic art. One or more public entertainments are given each year with credit to the club and the College.

All such literary organizations and efforts are approved and encouraged by the College.

#### **CO-EDUCATION.**

The College and Academy admit students of both sexes. No sex discrimination is made in requirements and equal educational advantages and honors are offered to each.

#### **SOCIAL ADVANTAGES.**

Realizing that education is a development of social courtesies and personal graces as well as the power of mental analysis, the student life at Buchtel College is so conducted as to afford opportunities for such culture. Young ladies and gentlemen, as such, mingle freely on the Campus, in the College halls and class-rooms during recitation hours. Formal and informal social college

functions, banquets, exhibitions and contests, receptions and class socials occur at intervals through the year, in which young ladies and gentlemen participate with members of the faculty and their friends.

The young ladies are under the general supervision of the lady members of the faculty and are made to feel free to go to them for counsel and advice.

#### **RELIGION.**

No restriction or coercion is imposed upon students in their exercise of religious beliefs. All students are asked to name the denomination of their choice on their registration and are expected to attend the church of that denomination while in College. Nearly all denominations are represented in Akron by flourishing churches. While the College has a denominational foundation and is reverently Christian in its social life and in the principles of its administration and instruction, yet in its internal economy it is in no sense sectarian. All students are required to attend chapel services.

#### **DISCIPLINE.**

The regulations for governing student life are few and simple, appealing to the student's self-respect and personal responsibility.

It is the policy of the government to allow in all things as much liberty as will not be abused, and the students are invited and expected to co-operate with the Faculty. Frequenting bar-rooms, billiard-rooms, or saloons, and all riotous and disorderly behavior, are forbidden. The use of tobacco and spirituous liquors about the college buildings and on the grounds is prohibited.

All students registering with the College put themselves under obligations faithfully to observe and obey the laws and regulations of the College and all authoritative acts of the President and Faculty and to use their influence by precept and example to induce others in like circumstances to do the same.

#### **REGISTRATION AND CLASSIFICATION.**

All students are required to present themselves to the Classification Committee of the College or Academy for registration and assignment of work, on or before the first day of each half-year. A classification card will be given each student showing the classes he is assigned to. This card must be presented to the Secretary of the College for his signature when arranging for term bills, and to each instructor for his signature immediately upon entering a class.

The card must then be returned to the Classification Committee, fully signed as above indicated, on or before the third day of the term.

#### **DEGREES.**

The degree of Bachelor of Arts will be conferred on students who have completed the Classical Course.

The degree of Bachelor of Philosophy will be conferred on those who have completed the Philosophical Course.

The degree of Bachelor of Science will be conferred on those who have completed the Scientific Course.

A thesis showing original research by the student may be presented for graduation.

#### **Master's Degrees.**

The degree of A. M. will be conferred upon those who have acquired the degree of A. B. or Ph. B., and the degree of M. S. upon those who have acquired the degree of B. S. These degrees will be granted in not less than two years after graduation, unless the applicant, in residence, can devote the larger part of his time to the work, when the degrees may be granted in one year.

The candidate must accomplish the equivalent of a full college year's work of thirty-two term hours, choosing his subjects as Majors and Minors, twenty-four of which must be in the Major field.

In the Minor, the work may be partly unduplicated undergraduate, but the applicant will be expected to carry

it beyond the lines of usual college work. In the Major, the work must be confined to graduate subjects and methods, and in this a satisfactory thesis must be presented which will give evidence of original work in the investigation of some new field rather than to consist of a mere restatement of what is already known. The subjects and methods must have received the sanction of the professors in the departments chosen.

An examination will be required in both subjects.

Provided satisfactory arrangements are made, residence will not be required for graduates of this College in preparing for these degrees, although residence is recommended. Persons who have received the Bachelor's degree in any other college whose requirements for that degree are equal to those of Buchtel College may also be granted the Master's degree upon the above conditions, except that the courses must be taken in residence.

A candidate for either of these degrees, at any given commencement must present his thesis and report for examination not later than June 1st.

These degrees will not be granted for professional work leading to other degrees nor for journalistic work or teaching.

A fee of ten dollars will be charged for the Master's degree.

#### **THE KATHERINE CLAYPOLE STUDENTS' LOAN FUND.**

It is with pleasure we announce that there is now connected with Buchtel College a loan fund for the use of students who, in mid-term, as often happens, find themselves without sufficient means to complete the year's work. It is an experience common to most educational institutions to have almost yearly some of their best students subject to serious and discouraging loss of time by being obliged to relinquish their work because their means have failed through no fault of their own but on account of an unavoidable and unlooked for combination of circumstances. It is equally well known that even small

loans at such times help to tide over, and prevent much hardship. This help members of the faculty have furnished at times rather than see worthy students lose their course. But where there is a fund purposely provided, both faculty and students are relieved of all embarrassment in the matter.

To supply this need in Buchtel College, a number of women's organizations of Akron have created, and, through a committee, are managing a loan fund very appropriately dedicated as a memorial to one of their much loved members, Mrs. Katherine Claypole, the founder here of organized woman's work, always deeply interested in young people, and for many years closely connected with Buchtel College.

Any friend of Buchtel College, of Mrs. Claypole, and of young people, who wishes to assist by contributing to the fund or would like to know more of the details concerning it, will receive grateful response by writing any member of the committee.

Mrs. Chas. Brookover,  
Mrs. Helen Raymond Wells,  
Mrs. A. N. Bliss,  
Mrs. E. A. Voris,  
Mrs. Walter A. Folger,  
Mrs. A. E. Foltz.

#### **PRIZE FUNDS.**

**ALUMNI PRIZES.**—A fund has been established by the Alumni of the College, the income of which is annually appropriated according to the following regulations:

1st. That student—being a member of the Senior Class of the Academy—who makes the highest average grade during the year in full Senior work in the Academy, and completes his Senior year without conditions, shall be entitled to free tuition during the succeeding year.

2nd. That student—being a member of the Freshman Class—who attains the highest average grade during the year in the regular Freshman work and completes his Freshman year without any conditions, shall be entitled to free tuition during the succeeding year.

3rd. That student—being a member of the Sophomore Class—who attains the highest average grade during the year in not fewer than thirty-two term hours above the Freshman year, and completes this year without conditions, shall be entitled to free tuition during the succeeding year.

4th. That student—being a member of the Junior Class—who attains the highest average grade during the year in not fewer than thirty-two term hours above the Freshman year, and completes this year without conditions, shall be entitled to free tuition during the succeeding year.

5th. In determining the award of prizes for any year, there shall be considered only grades made in regular class work at Buchtel College during that year in subjects completed before Commencement day.

6th. In case of a tie in any class the prize shall be equally divided.

7th. The prize for any class shall go to the student attaining the second highest average grade only in case the one ranking highest does not return to Buchtel College the next succeeding year.

OLIVER C. ASHTON PRIZES.—A fund consisting of \$3,000 has been established by the late Oliver C. Ashton endowing the O. C. Ashton Prizes for excellence in reading and recitation.

The annual income of this fund will be paid, one-third to competitors from the Senior Class, one-third to competitors from the Junior Class, and one-third to competitors from the Sophomore Class, in a first and second prize to each class, in the proportion of two to one.

These are public exercises, and will take place at stated times during the year.

**PENDELTON LAW PRIZES.**—For the purpose of encouraging the study of Law and Civil Government, a fund of \$1,000 has been established by Joy H. Pendleton, late of Akron, the annual income of which is used as prizes for essays in the Law Class. Two-thirds of such income is annually to be paid for the best essay, and one-third for the second best essay, on some subject of Law or Government announced by the Instructor in Law.

#### **SCHOLARSHIPS.**

On page twelve of this catalogue will be found a list of the endowed scholarships of the College. The donors of these scholarships may, at all times, designate one student who shall be entitled to free tuition in either the College or the Academy. So much of the income of these scholarships as is not thus used by the donors each year is at the disposal of the College for the purpose of aiding worthy and deserving students. In the distribution of these scholarship benefits by the College, in case the donor is deceased, preference will be given to the immediate descendants of the donor. This assistance will be granted to students only upon the recommendation of a Committee of the Faculty after careful inquiry as to the needs of each applicant. In making this inquiry the Committee will consider not only the pecuniary needs of the applicant but his general character as well, and where a renewal of aid is requested, the Committee will also take into account the student's previous record in scholarship and general deportment.

Students thus receiving aid from the College may be called upon to render services to the College for any part, or all, of such aid. They will be expected to maintain their standing in scholarship, and to conduct themselves as exemplary students. A scholarship is granted with the expectation that the student will complete his course

of study at Buchtel College, and, without a reason that shall be satisfactory to the President, honorable dismissal will not be granted until full tuition and all other college dues have been paid.

Applications for scholarship aid may be addressed to the President.

#### **ACADEMY SCHOLARSHIP.**

To the student taking the full course in the Academy, making the highest average class standing throughout the course, and graduating without condition, shall be awarded a scholarship for two years in the College under the usual regulations.

**HIGH SCHOOLS.**—The College offers annually one scholarship to each of several high schools, to be awarded to the student standing highest during the last year of his High School course. Each scholarship entitles the holder to two years' free tuition in the College, subject to the following conditions:

1st. If he fail, without good reasons, to attain a grade of 70 per cent. in any of the studies pursued by him in any term, he shall pay the tuition for that term, unless by the middle of the succeeding term he shall have made up the deficiency.

2nd. Whenever, in the course of any term, his deportment shall not, in the judgment of the Faculty, be such as becomes a student, he shall pay the tuition for that term, and until such tuition is paid, it is understood that he shall not be entitled to further privileges in the College, nor to an honorable dismissal.

3rd. In case he shall leave Buchtel College, to attend any other College or School for the same work, without reasons which shall be satisfactory to the President of Buchtel College, he shall pay tuition for the entire period during which he shall have had the use of the scholarship, and failing to do so, it is understood that he shall not be entitled to an honorable dismissal.

TOWNSHIP.—Two standing scholarships in the Academy are offered to pupils in each Township of Summit County who complete the common school course in the country schools. These scholarships are awarded to the two pupils in each township passing the best examination before the County Board of School Examiners, under the provisions of the Patterson Law.

Students winning the High School or Township Scholarship must begin their course of study not later than one year from the opening of the following school year.

## EXPENSES.

**Term Bills**—All term bills are due and payable on the first day of each half-year for the entire half-year. These bills must be paid, or arrangements for their payment made satisfactory to the Secretary of the College before entering any classes.

### COLLEGE.

FULL TUITION—Each half-year.....	\$25.00
Five to eight hours, inclusive, per week.....	16.00
Four hours or less, per week.....	8.00
INCIDENTAL AND LIBRARY FEE for all students each half-year..	3.75
LABORATORY FEES:	
CHEMISTRY, I and II, each.....	\$ 5.00
CHEMISTRY, III and IV, each.....	8.00
PHYSICS, I, II and III, each.....	2.50
SURVEYING .....	2.00
NATURAL SCIENCE—Biology, I and II, each.....	2.50
Botany, I and II, each .....	2.50
Zoology, I and II, each .....	2.50
Geology I .....	2.50
Physiology, I and II, each .....	3.50
Embryology .....	2.50
DEGREES conferred in course:	
Bachelor's Degree .....	\$ 5.00
Master's Degree .....	10.00

The fee for a degree is payable on or before the Monday before Commencement Day.

No tuition or other fees will be refunded except for absence on account of protracted sickness, and in such cases no reduction will be made in term bills if the student maintains his class standing.

To students working in the chemical laboratory any unused balance of their deposits will be returned at the end of the year.

### YOUNG WOMEN.

The entire necessary living expense in Curtis Cottage is \$4.50 a week; bills rendered and payable at the end of each month.

All women students living and boarding away from home must live in the Cottage unless excused by the faculty.

The faculty reserves the right to assign two students to a room.

Cottage occupants supply their own bed linen, towels, toilet soap and table napkins; and also window draperies and rugs, if desired.

To a limited number of women students opportunities are given for self help in the Cottage.

### YOUNG MEN.

The College does not at present provide dormitories for young men, but the faculty gives special care to the placing of young men in good families, with pleasant and comfortable home-surroundings and conveniences, and takes a kindly supervisory interest in their student life.

Rooms furnished, heated and lighted can be secured within walking distance of the College for \$1.00 a week and upwards with two in a room; with one in a room, for \$1.50 and upwards.

Good table board can be secured at \$3.50 a week.

Abundant opportunities for self help in the city are offered young men to help defray the expenses of room and board, so that the living expense of young men run from \$1.00 a week upwards.

### ACADEMY.

FULL TUITION—Each half-year .....	\$15.00
TWO STUDIES—Each half-year .....	10.00
ONE STUDY—Each half-year .....	5.00
INCIDENTAL AND LIBRARY FEE for all students each half-year..	3.75
PHYSICAL LABORATORY FEE—Each half-year.....	1.50
CHEMICAL LABORATORY FEE—Each half-year .....	3.00
PHYSIOGRAPHY LABORATORY FEE—Each half-year .....	.50
BOTANY LABORATORY FEE—Each half-year .....	.50

All of the foregoing fees are payable at the Secretary's Office in Buchtel Hall.

No tuition or other fees will be refunded except for absence on account of protracted sickness, and in such cases no reduction will be made in term bills if the student maintains his class standing.

For more detailed information in regard to College entrance, courses and expenses, address A. B. Church, Pres., or C. E. Olin, Sec'y.

For more detailed information regarding Buchtel Academy, see pages 90-102, and address the Principal or Pres. A. B. Church.

### MUSIC AND ART.

For details of expenses see pages 104-105.

**BUCHTEL  
COLLEGE**

**FACULTY, INSTRUCTORS AND OFFICERS**

1908-1909

**COLLEGE.**

A. B. CHURCH, A. M., D. D., LL. D.,  
PRESIDENT

*Messenger-Professor of Mental and Moral Philosophy*

CHARLES M. KNIGHT, A. M., Sc. D.,  
DEAN OF THE FACULTY

*Buchtel-Professor of Chemistry*

JOSEPH C. ROCKWELL, A. M.,  
*Professor of Latin and Greek*

CHARLES BROOKOVER, M. S.,  
*Professor of Natural Science*

OSCAR E. OLIN, A. M.,  
*Professor of Economics and History, and Instructor in  
Mental and Moral Philosophy*

PARKE R. KOLBE, A. M.,  
*Hilton-Professor of German Language and Literature*

ALBERT I. SPANTON, A. M.,  
*Pierce-Professor of English and Literature*

PAUL BIEFELD, B. S., E. E., Ph. D.,  
*Ainsworth-Professor of Mathematics, Astronomy and  
Physics*

CHARLES R. OLIN, B. S.,  
*Instructor in Mechanical Drawing and Freshman  
Mathematics*

KATHARINE MERRILL, A. M.,  
*Professor of Rhetoric and Spoken English*

SARAH DEMAUPASSANT PLAISANCE, A. M.,  
*Professor of Romance Languages*

M. ALICE RINES, A. M.,  
*Acting Professor of Greek and Latin for 1908-1909*

ELIZABETH M. WEAVER, A. B., M. D.,  
*Lecturer to Women on Hygiene and Physical Training*

COTTIE P. SHUMAN, Ph. B.,  
*Assistant in Chemistry*

HONOR C. FOUCH,  
*Assistant in German 1908-1909*

THERON S. JACKSON,  
*Assistant in Biology*

HALLIE TILLSON, Ph. B.,  
*Librarian*

## COLLEGIATE COURSES.

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The college year is divided into two terms of nineteen weeks each, not including the Christmas and Easter recesses. It is expected that students be present on the opening day of the term, and they are not allowed to prolong their recesses beyond the specified day.

### THREE COURSES OF STUDY.

The College offers three regular courses of study, requiring the same amount of preparatory work, 15 units, and each requiring 128 term hours for graduation, or the equivalent of four years of study in the College. In keeping with the trend of higher education extensive opportunities for elective work are offered. These courses are:

1. The Classical Course, the usual course of that name, requiring extensive work in the Ancient Languages, and offering electives in Modern Languages, Mathematics, Latin, Greek, Literature, Philosophy and Science. This course leads to the degree of Bachelor of Arts.

2. The Philosophical Course, requiring the same work in Latin as the Classical Course or accepting an equal substitute of French, substituting the study of German for Greek, and offering the same range of electives as the Classical Course. This course leads to the degree of Bachelor of Philosophy.

3. The Scientific Course, in which the language training is mostly confined to Latin, German or French and the English language. More preparatory work in the sciences is required for admission. This course is entirely on a footing with the other courses, offering wide training in Mathematics and the Sciences, while with the liberal use of electives, the student is enabled to cover much of the ground of the other courses. This course leads to the degree of Bachelor of Science.

#### ADMISSION AND RECORD.

Testimonials of good moral character must be presented by all applicants.

Students coming from other institutions of learning must furnish certificates of honorable dismissal.

Each candidate for college admission must have had at least a full high school preparation, or college preparatory course, amounting to 15 units and embracing the specific subjects named for college entrance.

Admission is by examination or on certificate.

In place of entrance examinations the following certificate plans will be accepted:

I. The certificate of principals of approved high schools and academies will admit students to the freshman class on probation, and such statement must be a certification of the specific subjects in which the candidate has passed satisfactory examinations covering the requirements as stated for college entrance. Such certificate must be filed with the Committee on Classification by the candidate on application for entrance. Blank forms for the record of such work will be furnished on application to the President or Secretary of the Faculty.

II. The pass-cards, certificates and academic diploma of the State Board of Regents of New York State for the subjects which they cover will be accepted for college entrance on probation. Such credentials will not, however, be accepted for advanced standing.

No student will be admitted to the Freshman class who has an entrance deficiency of more than one unit, or the equivalent of a year's work.

Students admitted on probation, after reasonable trial will be advanced to full class standing on satisfactory evidence of ability and determination to maintain their class work.

Students having completed a course in Buchtel Academy will be admitted to the corresponding course of the College without further examination.

Arrangements can be made by the students for private instruction for the removal of conditions.

#### **ADVANCED STANDING.**

Applicants desiring to enter an advanced class, who do not present satisfactory grades from other colleges, will be examined in the studies of the lower classes or their equivalents, in the particular course to be pursued.

On the successful passing of such examinations the College will allow college credit at the rate of fifty per cent. in term hours for High School work, provided that it results in a full credit in term hours.

#### **SPECIAL STUDENTS.**

All students are advised to pursue a regular course of study, even if it cannot be completed.

But persons of proper age and character may be admitted as special students, not candidates for a degree, on the regular entrance requirements or if in the judgment of the Faculty, they are capable of sustaining themselves in class, and may elect such studies as they are qualified to pursue. They must file with the Committee on Classification certificates of their previous work.

Thus an opportunity is offered to a considerable number of young people who do not wish to spend time for a full course, but who desire some college work. Those preparing to teach, those fitting for business, or those who intend to give time to music or art, are especially thus accommodated. Such students will also find themselves proportionately advanced, should they later decide to take a regular course.

On the completion of their studies, such students will be granted a certificate stating the work completed.

## REGULATIONS.

The following rules are to be observed by all students:

1. Required for a degree, 128 term hours; one term hour meaning one recitation or two hours of laboratory work per week for one semester.

2. The required Freshman Lectures and Gymnasium Drill shall count as one term hour.

3. The graduating thesis, if presented, shall be taken in the subject chosen as the student's major and shall count for two term hours, if carried satisfactorily beyond the regular class-room work.

4. Sixteen hours a half-year are counted full work for a student.

5. To prevent an aimless dissipation of time and energy each student is required to choose, at the beginning of the Sophomore year, his **major** group of studies with its required minors. The professor of the department in which the major is given will be the personal advisor of the student choosing that **major** in planning the remainder of his course.

6. No student is allowed to take more than 18 hours nor less than 14 hours a week, a half-year, without consent of the Faculty.

7. No credit will be given toward graduation for less than a full year's work in beginning languages, biology, and first year chemistry.

8. Students are required to hand to the Secretary of the Faculty, at least two weeks before the opening of any half-year, a list of their elective studies for that half-year.

9. No student is allowed to drop a study after the opening of a half-year without the consent of the Committee on Classification.

10. No student will be allowed to postpone a required study, or take a study in place of those prescribed, without permission of the Faculty.

11. No student will be allowed to change his election of studies for any half-year without permission of the Committee on Classification.

Students are advised to take fundamental studies early in the course, i. e., in the Sophomore year, such studies as are required in preparation for further work; also to follow lines of work rather than isolated studies.

12. During the course of study, unannounced examinations are held at the discretion of the professors, and announced examinations are required in case of absence or failure.

13. In case of failure in term examinations, the student may have one trial in private examination within two weeks, if he fails in this the subject must be taken over in class, or the grade made in some equivalent course.

14. The thesis for graduation if presented shall be handed to the professor in charge on or before the beginning of the Senior vacation.

15. A record of each student's standing is kept, which may be examined by committees, trustees, parents, and friends of the College.

16. Reports of the grades of all students are sent to parents or guardians at the close of each term.

#### **Rules Governing Class Absences.**

##### **In Effect the First Day of the Term.**

17. Two unexcused absences from each class per semester will be allowed, but no such absence will be allowed during the last two weeks of any semester.

18. Three unexcused absences in any subject per semester shall subject the student to special final examination in that subject. Four unexcused absences in any class per semester shall exclude the student from that class.

19. Excuses shall be granted by the President only, or by such Faculty officer as may be designated by him

during his absence from the city. The student must present a written excuse from the President to the instructor in charge on the day of his reappearance in class; otherwise the absence shall stand as unexcused.

20. Any student having absences, excused or unexcused, in any subject, equivalent to the number of times that subject is recited in two weeks of the term, shall not be allowed any additional unexcused absence, and shall make up that work by special examination at the direction of the instructor in charge. Any work lost by reason of absences, excused or unexcused, may be required at the discretion of the instructor.

21. All omitted written work, laboratory work, tests and examinations must be made up as directed by the instructor.

#### **Chapel Absences.**

22. Absences from chapel any week in order to be excused must be explained to the President by Tuesday of the succeeding week or they will stand as unexcused absences. Six unexcused absences from chapel will subject the student to suspension from College by the President, and readmission can be gained only by a vote of the Faculty after being petitioned by the student suspended.

#### **Class Conditions.**

23. All class conditions incurred previous to the Senior year must be made up by the student in a manner satisfactory to the professor in charge before the end of the first succeeding semester or the subject will have to be taken over in class, or, if elective work, an equivalent credit in term hours may be made in some other course.

#### **Senior Conditions.**

24. Students having conditions in subjects taken must remove these by the close of the first month of the last term of the senior year or they will not be considered candidates for graduation.

## TERMS OF ADMISSION.

Unconditional requirements, (all courses): 15 units.

A unit being a full year's work in a subject with recitation periods of one hour held four times a week, or 45 minutes held five times a week.

### CLASSICAL COURSE.

The candidate must present:

English (page 43) .....	3 units
Mathematics (page 44) .....	3 units
Latin (page 45) .....	4 units
General History (page 48) .....	1 unit
Elective (from the subjects on pages 45 and 48) .....	4 units

### PHILOSOPHICAL COURSE.

The candidate must present:

English (page 43) .....	3 units
Mathematics (page 44) .....	3 units
Foreign Languages (pages 45-47) .....	4 units
History, General (page 48) .....	1 unit
Elective (from the subjects on pages 45 and 48) .....	4 units

### SCIENTIFIC COURSE.

The candidate must present:

English (page 43) .....	3 units
Mathematics (page 44) .....	3 units
Foreign Languages (pages 45-47) .....	4 units
Sciences (page 47) [one unit must be Chemistry or Physics] .....	2 units
Elective (from the subjects on pages 47 and 48) .....	3 units

In the Philosophical and Scientific Courses two units at least must be of one language. Not less than a full unit in the beginning of any language will be accepted toward this requirement.

For statement of prerequisite entrance requirements for the several major elective courses see page 51.

### ELECTIVE SUBJECTS.

The elective work for admission to any of the three courses may be made from the following subjects, details of which will be found on the pages referred to:—

Astronomy (page 45) .....	½ unit
Botany (page 48) .....	1 or ½ unit
Chemistry (page 48) .....	1 unit
Civics (page 48) .....	½ unit

History, General (page 48) .....	1 unit
History, English (page 48) .....	1 or ½ unit
History, Advanced U. S. (page 48) .....	½ unit
Physics (page 48) .....	1 unit
Physical Geography (page 48) .....	1 or ½ unit
Physiology (page 48) .....	½ unit
Zoology (page 48) .....	1 or ½ unit

### DEFINITION OF UNITS.

Following is a detailed statement of the requirements in each of the various subjects that may be offered for admission to college:

#### ENGLISH, 3 Units.

The College Entrance Requirements in English, practically uniform throughout the United States, are as follows:

For 1909, 1910, 1911.

**Required for Careful Study:**—Shakespeare's "Macbeth," Milton's "Lycidas," "Comus," "L'Allegro," and "Il Penseroso;" Burke's "Speech on Conciliation with America," or Washington's "Farewell Address," and Webster's "First Bunker Hill Oration," Macaulay's "Life of Johnson," or Carlyle's "Essay on Burns."

**Required for General Reading and Practice:**—GROUP I—(two to be selected): Shakespeare's "As You Like It," "Henry V," "Julius Caesar," "The Merchant of Venice," "Twelfth Night."

GROUP II—(one to be selected): Bacon's "Essays," Bunyan's "The Pilgrim's Progress," Part I; the "Sir Roger de Coverley Papers" in The Spectator, Franklin's "Autobiography."

GROUP III—(one to be selected): Chaucer's "Prologue," selections from Spenser's "Faerie Queene," Pope's "The Rape of the Lock," Goldsmith's "The Deserted Village," Palgrave's "Golden Treasury" (First Series), Books II. and III. with especial attention to Dryden, Collins, Gray, Cowper and Burns.

GROUP IV—(two to be selected): Goldsmith's "The Vicar of Wakefield," Scott's "Ivanhoe" and "Quentin Durward," Hawthorne's "The House of the Seven Gables," Thackeray's "Henry Esmond," Mrs. Gaskell's "Cranford," Dickens' "A Tale of Two Cities," George Eliot's "Silas Marner," Blackmore's "Lorna Doone."

GROUP V—(two to be selected): Irving's "Sketch Book," Lamb's "Essays of Elia," De Quincey's "Joan of Arc" and "The

English Mail Coach," Carlyle's "Heroes and Hero Worship," Emerson's "Essays" (Selected), Ruskin's "Sesame and Lilies."

GROUP VI—(two to be selected): Coleridge's "The Ancient Mariner," Scott's "The Lady of the Lake," Byron's "Mazeppa" and "The Prisoner of Chillon," Palgrave's "Golden Treasury" (First Series), Book IV., with special attention to Wordsworth, Keats and Shelley; Macaulay's "Lays of Ancient Rome," Poe's "Poems," Lowell's "The Vision of Sir Launfal," Arnold's "Sohrab and Rustum," Longfellow's "The Courtship of Miles Standish," Tennyson's "Gareth and Lynette," "Launcelot and Elaine," and "The Passing of Arthur;" Browning's "Cavalier Tunes," "The Lost Leader," "How They Brought the Good News from Ghent to Aix," "Evelyn Hope," "Home Thoughts from Abroad," "Home Thoughts from the Sea," "Incident of the French Camp," "The Boy and the Angel," "One Word More," "Herve Riel," "Pheidippides."

Equivalent readings may be accepted at the option of the instructor.

Students should bring a written statement from the principal or superintendent of the school attended, stating definitely the books read and the amount of time given to the work. They should also bring note-books or any other evidences of the work done.

Three years, with five recitations a week, should be given to the preparation in English, the work in Rhetoric and Composition being done simultaneously with the reading and study of the required English and American Classics.

Students, whose work proves defective in grammar, punctuation, or sentence-structure will not be allowed to remain in the class in Freshman Rhetoric, but will be assigned work in the Academy until the deficiency is made up.

#### **MATHEMATICS AND ASTRONOMY.**

Arithmetic, Algebra, Plane and Solid Geometry are required for entrance into all courses. Astronomy may be offered as one of the electives in any course, but it is required in none.

##### **Arithmetic.**

A thorough practical acquaintance with Arithmetic is a prerequisite for all work in Mathematics. Accuracy and rapidity in using the four fundamental operations, addition, subtraction, multiplication, and division, upon decimal and common fractions as well as upon whole numbers is required. It is desirable that the student may have studied a book that makes some use of algebraic symbols.

### **Algebra, 1½ Units.**

The work in Algebra should include the following subjects: Fundamental operations, factors, multiples, fractions, simple equations, methods of elimination, problems, interpretation of solutions, involution, evolution, surds, exponents, complex numbers, quadratic equations, theory of quadratic equation, simultaneous quadratics, binomial theorem for positive integral exponents, ratio, proportion, variation, series and logarithms.

It is suggested that the time spent in preparing to meet this requirement be five 55-minute periods per week for a year and a half. It is further suggested that the work of the last half-year be done late in the preparatory school course in order that there may be close and ready articulation with the required mathematics of the freshman year in college. It is especially desirable that the student come to his college work with habits of neatness and accuracy well formed, and that he have some sense of mastery over so much of mathematics as he may have studied.

### **Geometry, 1½ Units.**

Plane and Solid Geometry. The set propositions required are those found in the older text books. Among the topics required may be mentioned: Plane rectilinear figures; the circle and the measure of angles; similar polygons; areas, regular polygons; the measure of the circle, the relation of lines and planes in space; the properties and measure of prisms, pyramids, cylinders, and cones; the sphere, and the spherical triangle.

From the demonstration of many original propositions and the solution of many original problems the student should have gained a fair degree of confidence in his own ability to build up a geometrical proof. Accuracy of statement and elegance of form are to be emphasized.

It is suggested that the time spent in preparing in Geometry be one and one-half school years and that the work of the last half-year come in the third or fourth year of the preparatory course.

### **Astronomy, ½ Unit.**

A thorough knowledge of the fundamental facts and principles of Astronomy is required. Familiarity with so much of the science as is contained in Young's Elements of Astronomy will suffice.

### **FOREIGN LANGUAGES.**

#### **Latin. 1, 2, 3, or 4 Units.**

Four units of at least four recitations a week are required for entrance to the Classical Course. One, two, three or four units may be offered for entrance in the Scientific or Philosophical

courses, subject to the requirement that at least two units must be offered in some one foreign language.

**First Year. (One Unit.)** Collar and Daniell's First Latin Book or Bennett's Latin Lessons with twenty-five pages of Viri Romae or an equivalent.

**Second Year. (One Unit.)** Caesar's De Bello Gallico, Books I-IV., or an equivalent, with thirty lessons in Prose Composition.

**Third Year. (One Unit.)** Cicero's Orations, four against Catiline, Poet Archias, the Manilian Law, Verres and Roscius. For the last two an equivalent may be offered. Thirty lessons in Latin Prose Composition based upon Cicero.

**Fourth Year. (One Unit.)** Vergil's Aeneid, Books I-VI.

Grammar, including Prosody (New Allen and Greenough, Bennett or Harkness).

**Greek. 1 or 2 Units.**

One or two years of Greek may be offered for entrance.

**First Year.** Beginners' Lessons in Greek.

**Second Year.** Xenophon's Anabasis.

**German. 1, 2, 3, or 4 Units.**

One, two, three or four years of German may be offered for admission to the Scientific or Philosophical courses. Candidates must present from former teachers a full statement of work covered, texts used and time spent. No student will be allowed to enter a higher course than German IV. without examination or personal conference with the instructor in charge of the German Department.

The following work should be offered for one, two, three or four years' credit, respectively:

**One Year.** Joynes-Meissner's Grammar (Part I.) Fair equivalents in standard beginners' books will be accepted as substitutes. One hundred and fifty pages of simple German, in which should be embraced some of the best known songs and ballads and at least one longer story, such as Immensee, Germelshausen or Hoher als die Kirche. The candidate should be able to pronounce German correctly, to understand and form simple sentences and to write German script.

**Two Years.** In addition to the requirements for the first year the candidate should by review have accurately familiarized himself with the principles of grammar and should be able to translate with readiness easy connected English prose into German.

He should be able to write German from dictation and should have read at least one of the easier classics besides two hundred pages of easy prose.

**Three Years.** In addition to the requirements for the first two years the candidate should have read at least two more classic dramas, and at least one hundred pages of more difficult prose, such as *Die Harzreise* or selections from *Dichtung und Wahrheit*, and should be able to discuss these freely in the German language. He should show the results of an additional year's drill in translating more difficult English prose into German either by writing or orally, and should have had instruction in the literary history of Germany in the later Classic and Modern Period.

**Four Years.** The work of this year should be a continuation on the groundwork of the first three years and should include at least eight hundred pages of reading, although a less number may be presented if such heavy works as *Faust* have been attempted. In addition the candidate should have a thorough knowledge of the history of German literature from the earliest periods, and should know something of Germany and modern German life. It is advised that some subjects of general practical interest as German schools, stores, meals and amusements be treated.

**French. 1 or 2 Units.**

One or two years of French may be offered for admission to the Scientific or Philosophical courses. Candidates must present from former teachers a full statement of work covered, texts used and time spent.

The following work should be offered for one or two years' credit, respectively:

**One Year.** A thorough knowledge of the leading principles of French grammar as set forth, for instance in Fraser and Squair's. An accurate acquaintance with the more common irregular verbs. The ability to translate easy English prose into French and to read easy French at sight. The ability to pronounce French and the careful reading of two hundred pages of less difficult French.

**Two Years.** In addition to the above the candidate should know accurately all irregular verbs in common use and should be able to read a page of French with accurate pronunciation. He should have read at least four hundred pages of various authors which should include two or three classic dramas. He should have had some practice in writing from dictation and should be able to translate ordinary English prose into French.

**SCIENCES.**

**Physics. 1 Unit.**

Recitations at least four times per week for a school year, together with a note-book, containing the description and results of at least fifty experiments, neatly recorded.

**Chemistry. 1 Unit.**

Recitation three times per week for a school year, together with laboratory practice for two hours per week and a note-book containing an account of all experiments made by the student's own hands, with sketches of the apparatus used.

**Zoology.  $\frac{1}{2}$  or 1 Unit.**

To count for one unit, the course should extend throughout a year of 36 weeks, four times per week, reciting at least 45 minutes. One-fourth should be laboratory work in dissections and drawings. Drawings and notes should be presented to show the nature of the work done. Davenport or any good elementary text.

**Botany.  $\frac{1}{2}$  or 1 Unit.**

If offered for one unit it should consist of thirty-six weeks of work, four times per week, at least one-fourth of which should be of the nature of field or experimental work and dissections. Andrew's or Bergen's Botany. Note-book required.

**Physiology.  $\frac{1}{2}$  Unit.**

Only work done above the grades will count for entrance. It should consist of eighteen weeks' work, four times per week, of at least 45-minute periods each. Not less than about twenty hours of laboratory work, of dissections, drawings, and experiments should be offered. Martin's Human Body (briefer course) revised by Fitz is recommended as a good text.

**Physical Geography or Physiography.  $\frac{1}{2}$  or 1 Unit.**

Four times per week for one half-year. A good text book, such as Davis' Physical Geography, should be supplemented by field excursions and laboratory, to cover about one-fourth of the time. Note-book required.

NOTE—In all science subjects two periods of laboratory or experimental work should count as the equivalent of one recitation.

**HISTORY AND CIVICS.**

**Advanced U. S. History.  $\frac{1}{2}$  Unit.**

One half-year's work with any approved High School text book.

**General History. 1 Unit.**

The equivalent of one year's work in Ancient and Modern History, using any approved High School or Academy text.

**English History.  $\frac{1}{2}$  or 1 Unit.**

One half-year's work in High School or Academy, using any standard text.

**Civics.  $\frac{1}{2}$  Unit.**

One half-year work in Civil Government. Only High School or Academy work accepted.

**REQUIRED**  
AND  
**ELECTIVE**  
**COURSES**

## REQUIRED STUDIES.

1909-1910.

The following table shows the work of the Freshman year, for the various courses. All of the work is required:

### CLASSICAL COURSE.

First Half-Year.	Term Hrs.	Second Half-Year.	Term Hrs.
Greek I. ....	4	Greek II. ....	4
Latin I. ....	3	Latin II. ....	3
*Mathematics I. ....	4	*Mathematics II. ....	3
or American History ....	3	or English VI. ....	3
Biology I. or Chemistry I. ....	3	Biology II. or Chemistry II. ....	3
Rhetoric I. ....	2	Rhetoric II. ....	2
Gymnasium ....	1	Gymnasium ....	1

### PHILOSOPHICAL COURSE.

First Half-Year.	Term Hrs.	Second Half-Year.	Term Hrs.
German I. ....	4	German II. ....	4
Latin I. or French I. ....	3	Latin II. or French II. ....	3
*Mathematics I. ....	4	*Mathematics II. ....	3
or American History ....	3	or English VI. ....	3
Biology I. or Chemistry I. ....	3	Biology II. or Chemistry II. ....	3
Rhetoric I. ....	2	Rhetoric II. ....	2
Gymnasium ....	1	Gymnasium ....	1

### SCIENTIFIC COURSE.

First Half-Year.	Term Hrs.	Second Half-Year.	Term Hrs.
Rhetoric I. ....	2	Rhetoric II. ....	2
German I. ....	4	German II. ....	4
Mathematics I. ....	4	Mathematics II. ....	3
Biology I. or Chemistry I. ....	3	Biology II. or Chemistry II. ....	3
Mechanical Drawing ....	4	Descriptive Geometry ....	4
or French ....	3	or French ....	3
Gymnasium ....	1	Gymnasium ....	1

\*Students in the Classical and Philosophical Courses must take at least three term hours of Mathematics during their Freshman year.

### MAJORS AND MINORS.

A careful study of the following will show the list of majors, with the required minor for each, which may be elected, and the prerequisite entrance requirements, (which must be included in the student's preparation for college), necessary to enter each major. All major and minor work must be outside of the student's Freshman requirements.

Twenty-four term hours above the Freshman year is the minimum requirement for a major.

Majors.

I. In Greek.

Twenty-four term hours of Greek above the freshman requirements constitute a major in Greek. The History of Greek Sculpture will count toward this major.

(See page 68.)

II. In Greek and Latin.

Of the twenty-four term hours necessary for this major, twelve term hours at least must be in the Greek language above the Freshman year.

Required Minors. Term Hrs.

English .....9  
Science .....6  
Philosophy, or Logic  
and Economics .....6

Special Prerequisite entrance requirements for this course see Page 42.

Latin .....4 units  
General History..1 unit

Same as Major I.

Same as Major I.

Leading to the Degree of Ph. B.

III. In Latin.

Twenty-four term hours of Latin above the freshman requirements constitutes a major.

(See page 72.)

IV. In German.

A minimum of twenty-four term hours of German above the freshman year constitutes a major.

(See page 65.)

V. In Romance Languages and German.

Eighteen hours of Romance Language and six hours of German above the freshman year constitute a major.

(See page 63.)

VI. In English Literature.

A minimum of twenty-four term hours above freshman requirements constitutes a major in English Literature.

(See page 61.)

VII. In English Literature and Public Speaking.

Ten term hours of public speaking and fourteen of English Literature above the freshman requirements constitutes this major.

(See page 86.)

Same as Major I.

Latin, 4 units of the required 15.

Same as Major I.

Same as Major I.

Science .....6  
English History .....6  
Philosophy, or Logic  
and Economics .....6

Same as for Major VI.

**Leading to the Degree of Ph. B.**

VIII. In Philosophy and Economics. Twelve term hours each. (See page 79.)	Science .....6 English .....9 Foreign Language ....6	General History..1 unit
IX. In Economics and History. Twelve term hours each above the freshman requirements. (See page 58.)	Same as Major VIII.	General History..1 unit
X. In History and Philosophy. Twelve term hours each above the freshman requirements. American History taken as a freshman requirement cannot count for a major. (See page 70.)	Same as for Major VIII.	General History..1 unit

**Leading to the Degree of B. S.**

XI. In Chemistry and Physics. Eighteen term hours in chemistry above freshman requirements and eight hours of second year physics. (See page 56.)	English .....9 Natural Science .....6 Philosophy, or Logic and Economics .....6	Same as for Major XI.
	XII. In Physics and Astronomy. Sixteen term hours of Physics, six hours of Astronomy, and four hours of Analytics. (See page 85.)	English .....9 Science .....6 Modern Language, or Philosophy or Economics and Logic...6
XIII. In Mathematics. Six term hours of Analytics and Surveying. Six term hours of Analytic Mechanics. Six term hours of Differential and Integral Calculus. Six term hours of Advanced Calculus and Differential Equations. (See page 74.)	English .....9 Science .....6 Modern Language, or Philosophy or Economics and Logic...6	
	XIV. In Natural Science. Twenty-four term hours above the freshman requirements in Biology I. and II. (See page 81.)	English .....9 Chemistry or Physics..6 Philosophy, or Logic and Economics .....6
XV. In Natural Science and Chemistry. Twelve term hours in Chemistry above the freshman requirements and an equal amount of Natural Science above freshman required Biology I. and II	English .....9 Physics .....8 Philosophy, or Logic and Economics .....6	



**SCHEDULE OF CLASSES, 1909-10.**

**SECOND HALF**

<b>Mon.</b>	<b>Tues.</b>	<b>Wed.</b>	<b>Thur.</b>	<b>Fri.</b>	<b>Sat.</b>
Psychol. (II.) Zoology (II.) Anal. G.   Surv. Am. Prose (XII. b.)	Hist. Europe (II.) Embryology Calculus (VI.) Epic Poetry (VI.)	Psychol. (II.) Zoology (II.) Anal. G.   Surv. Am. Prose (XII. b.)	Hist. Europe (II.) Embryology Calculus (VI.) Epic Poetry (VI.)	Psychol. (II.) Zoology (II.) Anal. G.   Surv. Am. Prose (XII. b.)	Hist. Europe (II.) Calculus (VI.) Epic Poetry (VI.)
Latin (II.) German (IV. a.) French (II. a.)	Rhetoric (II. a.) Latin (VI.) German (X.) French (IV.)	Latin (II.) German (IV. a.) French (II. a.) 8:40.	Rhetoric (II. b.) Latin (VI.) German (X.) French (IV.)	Latin (II.) German (IV. a.) French (II. a.)	Latin (VI.) French (IV.)
Sociology Geology (II.) Trig. 2 Gr'ps. Vict. Poetry (X.)	Polit. Sc. (I.) Physiology (II.)	Sociology Geology (II.) Trig. 2 Gr'ps. Vict. Poetry (X.)	Polit. Sc. (I.) Physiology (II.)	Sociology Geology (II.) Trig. 2 Gr'ps. Vict. Poetry (X.)	
Public Sp. (II.) Greek (IV.) German (VIII.) Spanish (II.)	Shakespeare (VIII.) Rhetoric (II. b.) Greek Sculp. German (XII.)	Public Sp. (II.) Greek (IV.) German (VIII.) Spanish (II.) 9:35.	Shakespeare (VIII.) Rhetoric (II. b.) Greek Sculp. German (XII.)	Public Sp. (II.) Greek (IV.) German (VIII.) Spanish (II.)	
Eng. Hist. (IV.) Physics (II.)	Public Sp. (IV.) Word Study (IV.) Greek (II.) German (II.) French (VI.)	Eng. Hist. (IV.) Physics (II.)	Biol. (II. a.) Lab. Public Sp. (IV.) Word Study (IV.) Greek (II.) German (II.) French (VI.)	Eng. Hist. (IV.) Physics (II.)	
Soph. Lit. (II.) Greek (II.) German (II.) French (II. b.)	Econom. (II.) Biology (II. a, b.) Chem. (IV.) Astronomy (II.) Latin (XII. or XIV.)	Soph. Lit. (II.) Greek (II.) German (II.) French (II. b.) 10:30.	Econom. (II.) Biol. (II. a, Lb.) Astronomy (II.) Latin (XII. or XIV.)	Soph. Lit. (II.) Latin (X.) German (XIV.) French (II. b.)	French (VI.)
Ethics (II.) Chem. (II. b.) Anal. Mech. Latin (IV.)	German (VI.) Rhetoric (IV.)	Ethics (II.) Chem. (II. a.) Anal. Mech. Latin (IV.)	German (VI.) Rhetoric (IV.)	Ethics (II.) Chem. (II. b.) Anal. Mech. Latin (IV.)	Astronomy (II.)
German (IV. b.) Rhetoric (VI.)		German (IV. b.)		German (IV. b.)	
		11:25 CHAPEL NOON. 1 to 2:45.			
Chem. (II. a.) Biology (II. a.) Descript. Geom. 1-4.	Chem. (VI.) Biology (II. b.) Surv.   Descr. Geom. 1h-4h.	Chem. (II. b.) Zoology (II.) Surv. 2:45 to 4:30.	Chem. (VI.) Biology (II. b.) Physics (II.) Descr. G. 1-4.	Chem. (II. a.) Physiology (II.) Physics (II.)	

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## CHEMISTRY.

PROFESSOR KNIGHT.

COTTIE P. SHUMAN, PH. B., ASSISTANT.

**Major:** Eighteen term hours in Chemistry above the Freshman year and eight hours in second year Physics are the minimum requirements for a major in Chemistry and Physics, first year Physics being a prerequisite for this major.

- I. (a) General Chemistry.—(First Half-Year.)**—Four hours per week. Mo., 10:30 and 1:00; We., 10:30; Fr., 1:00 to 2:45. (Three term hours.) Offered to Freshmen who have taken a year of Chemistry in preparatory school.
- I. (b) General Chemistry.—(First Half-Year.)**—Four hours per week. Mo., Fr., 10:30; We., 1:00 to 2:45. (Three term hours.) For Freshmen beginning Chemistry.
- II. (a) General Chemistry.—(Second Half-Year.)**—Four hours per week. Mo., 10:30 or 1:00; We., 10:30; Fr., 1:00 to 2:45. (Three term hours.) Inorganic Preparation. This course is for Freshmen who have taken Course I. a.
- II. (b) General Chemistry.—(Second Half-Year.)**—Four hours per week. Mo., Fr., 10:30; We., 1:00 to 2:45. (Three term hours.) Inorganic Preparation. This course is given for Freshmen who have taken Course I. b.

The elements of inorganic chemistry are taught by recitations, lectures and practical work in the laboratory. Each student is assigned a desk in the laboratory, furnished with apparatus and chemicals, and it is required that most statements shall be confirmed by experiment and illustrated before the class; each student is further required to manufacture one or more salts under each basic element, and to explain fully the process and principles involved and exhibit to the class the results of the work.

An elementary course of blow-pipe analysis is given in connection with the study of the metallic elements and their occurrence in ores and minerals.

- III. Qualitative Analysis.—(First Half-Year.)—**Six hours per week. Mo., We., Fr., 1:00 to 2:45. (Three term hours.)
- IV. Quantitative Analysis; gravimetric and volumetric.—(Second Half-Year.)—**Six hours per week, Mo., We., Fr., 2:45 to 4:30. (Three term hours.) Open to students who have taken qualitative analysis. The work will be upon simple salts and minerals.
- V. Organic Chemistry.—Recitations and Laboratory practice.—(First Half-Year.)—**Four hours per week. Tu., 10:30 and 2:45; Th., 1:00 to 2:45. (Three term hours.) Students make and test the great classes of general organic compounds. Required of all students who select Chemistry as their major subject.
- VI. Organic Chemistry.—(Second Half-Year.)—**Advanced Course. A continuation of Course V. Topic work along the line of recent discoveries. Attention will be given to industrial applications. Four hours per week. Tu., 10:30 and 2:45; Th., 1:00 to 2:45. (Three term hours.) Required of all students who select Chemistry as their major subject.
- VII. Quantitative Analysis.—(First Half-Year.)—**Six hours per week. Mo., We., Fr., 2:45 to 4:30. (Three term hours.) There will be technical analysis, such as the examination of coal; limestone; water; milk and foods, for adulterations. Course IV. is required before this course can be selected.
- VIII. Quantitative Analysis.—(Second Half-Year.)—**Six hours per week. (Three term hours.) Time of work arranged after class is organized. Work will be along technical lines. Chemistry of clays and glazes.—Chemistry of India rubber, Chemistry of cements, and Agricultural Chemistry may be selected.

Industrial Chemistry is taught by lectures and laboratory practice. Whenever possible, actual products are exhibited to the students and the manufacturing processes reproduced in miniature. The great losses by imperfect methods of manufacture and by waste products are pointed out and the student is taught to see the true economy of production. Illustrative of the topics studied, visits are made to various manufacturing establishments and an opportunity is given to see manufacturing operations in actual working. Akron and the neighboring village of Barberton afford a varied field for the study of chemistry, applied in the industries, as shown in a partial list of prominent manufactories:

The making of pottery and various clay products.

The manufacture of India rubber products, both hard and soft.

The manufacture of paper and straw-board.

The manufacture of artificial ice.

The making of soda ash.

The manufacture of paints and varnishes.

## **ECONOMICS AND POLITICAL SCIENCE.**

PROFESSOR OLIN.

**Major:** Economics can be combined with Philosophy for a major "Philosophy and Economics," twelve hours of each. Also with History for a major, "History and Economics," twelve hours of each.

Such students as desire to take all the work in this department are advised to take Courses I. and II. in the Sophomore year.

The courses are so arranged that the first three or the first four may be taken in consecutive terms and should be taken in the order given. Course I. should precede any other; II. should precede III.; while IV. and V. may be taken in association or succession, and may follow I.

The object of the work is to give the student a comprehensive grasp of the leading economic and political theories and their application to present-day problems. Emphasis is placed upon theoretical and historical development as alone affording a sure basis for the more practical part of the work.

**Course I.—Economics I.—Political Economy.—(First Half-Year.)**—Mo., We., Fr., 10:30. (Three term hours.) Text-book: Ely's Outlines, revised edi-

tion, supplemented by essays, collateral readings and observations. References to Seligman, Fetter, Seager, Laughlin, Blackmar, Bullock, Fairchild, and others.

This is an introductory course, designed for the study of the leading principles of the science and aiming to acquaint the student with the data of economic inquiry and the nature of economic laws.

**Course II.—Political Science I.—(Second Half-Year.) —**

Tu., Th., 8:40. (Two term hours.) Text-book: Leacock's Elements of Political Science.

A study of the nature of the state, the organization of government of every kind, and the province of government. The course is designed to open the field of Political Science and lay a foundation for later College or University work.

**Course III.—Political Science II.—Federal Government.**

**(First Half-Year.)**—Tu., Th., 8:40. (Two term hours.)

This course designs a study of Federal Government, by a comparative study of the organization of the Federal governments of the world. Lecture, library and research work.

**Course IV.—Sociology.—(Second Half-Year.)—Mo., We.,**

Fr., 10:30. (Three term hours.) Text-book: Fairbank's Introduction to Sociology is read, essays, and library work.

An elementary course designed to introduce the student to the principles of human association and to develop the power of observing and analyzing social facts. References: Ely, Vincent and Small, Ross, Blackmar and others.

**Course V.—Economics II.—Economic Problems.—(Second Half-Year.)—Tu., Th., 10:30. (Two term hours.)**

A detailed study of the problems and theories involved in some of the great economic questions now before the American people, such as railroad transportation, taxation, corporations, money, and banking. The work is based upon some authoritative text, and includes library work and the drafting of bills and debating them in class. References: All late Economic books, Journals, and Periodicals.

## ENGLISH.

PROFESSOR SPANTON.

PROFESSOR MERRILL.

### RHETORIC AND SPOKEN ENGLISH.

PROFESSOR MERRILL.

**Purpose.** The purpose of this department is to train the student to express his ideas correctly and effectively by means of both the written and the spoken word. Hence spoken English is given a large place in the instruction in Rhetoric, the ability to speak one's thoughts with clearness, force, and ease being regarded of no less value and importance than the ability to write them.

**Required work.** All the courses offered in Rhetoric and Spoken English are required.

- I. Freshman Rhetoric.—(First Half-Year.)**—Two sections. Tu., Th., 7:45; Tu., Th., 8:40. (Two term hours.) Required of all Freshmen. A thorough review of the principles of style. Text-book. Weekly themes.
- II. Freshman Rhetoric.—(Second Half-Year.)**—Two sections. Tu., Th., 7:45; Tu., Th., 8:40. (Two term hours.) Required of all Freshmen. The forms of prose discourse, especially narration and description. Text-book. Weekly themes.
- III. Exposition.—(First Half-Year.)**—Tu., Th., 10:30. (Two term hours.) Required of all Sophomores. Text-book. Weekly or fortnightly themes.
- IV. Argumentation.—(Second Half-Year.)**—Tu., Th., 10:30. (Two term hours.) Required of all Sophomores. Text-book. Weekly or fortnightly themes.
- V. Orations, Debates, Public Addresses.—(First Half-Year.)**—Mo., 10:30. (One term hour.) Required of all Juniors.
- VI. Continuation of V.**—Required of all Juniors. Mo., 10:30.

## LANGUAGE AND LITERATURE.

PROFESSOR SPANTON.

**Required work.** In addition to the required work in Rhetoric and Spoken English, students in all courses must take, after the Freshman year, at least three hours' work in the department of English Language and Literature.

**Majors.** The minimum for a major in English Literature is twenty-four term hours; for a major in English Literature and Public Speaking, the minimum is ten term hours of Public Speaking and fourteen term hours of English Literature.

**Order of work.** Courses I. and II. are prerequisite to the more advanced courses. Hence students who desire to take all or most of the work offered in English must elect these courses in their Sophomore year, and in no case should they be postponed to the Senior year unless a student be sure that he desires no further work in this department.

All students taking their majors in Science or Mathematics are urgently recommended to elect Literature IV. The following courses will be offered in 1909-10:

**I. Introduction to Literature.—(First Half-Year.)—Mo., We., Fr., 9:35.** (Three term hours.) Especially for Sophomores.

Literature, its various types and forms. Poetics. Elements of literary criticism. Much reading from standard authors to illustrate the principles studied.

**II. The History of English Literature.—(Second Half-Year.)—Mo., We., Fr., 9:35.** (Three term hours.) Especially for Sophomores; may be elected by Freshmen in the Classical and Philosophical Courses who do not elect Mathematics II.

The work covers in outline the entire field of English literature. Text-book: Especially valuable for supplementary reading is Green's Shorter History of the English People.

**III. The History of the English Language.—(First Half-Year.)**—Tu., Th., 9:35. (Two term hours.)  
Text-book: Recitations and lectures.

**IV. Word Study.—(Second Half-Year.)**—Tu., Th., 9:35.  
(Two term hours.)

After a few introductory lectures on language, the work centers in the study of words—their origin, development, significance, and habits. Students who have had but little Latin and Greek will find this course very helpful. The course may be elected by Freshmen in the Classical and Philosophical courses who do not elect Mathematics II.

**V. Chaucer.—(First Half-Year.)**—Tu., Th., 7:45. (Two term hours.) A close study of the best of the Canterbury Tales, and a rapid reading of some other portions of Chaucer's work. Recitations, lectures, oral and written reports.

**VI. The English Epic.—(Second Half-Year.)**—Tu., Th., Sat., 7:45. (Three term hours.) Elective for all students; may be elected by Freshmen in the Classical and Philosophical Courses, who do not elect Mathematics II. Recitations, lectures, oral and written reports.

**VII. Shakespeare.—(First Half-Year.)**—Tu., Th., Sat., 8:40. (Three term hours.)

A close study of the language and the structure of the following plays: King Lear, Othello, Macbeth (or Hamlet), Henry the Fourth, Part I.

**VIII. Shakespeare and the English Drama.—(Second Half-Year.)**—Tu., Th., 8:40. (Three term hours.)

A study of the development of the English drama from its beginning to the closing of the theaters in 1642. Lectures on the pre-Shakespearean drama, with assigned readings in Manly's Specimens. Most of Shakespeare's plays are read; also selections from the works of Marlowe, Lyly, Jonson, Middleton, Beaumont and Fletcher, and, if time serve, from other Elizabethan dramatists. Recitations, lectures, oral and written reports. Elective only for students who have taken English VII.

**IX. Poetry of the Period of Romanticism.—(First Half-Year.)—Mo., We., Fr., 8:40. (Three term hours.)**

Studies in Cowper, Burns, Wordsworth, Coleridge, Scott, Byron, Shelley, Keats. Recitations, lectures, oral and written reports.

**X. Poetry of the Victorian Period.—(Second Half-Year.)—Mo., We., Fri., 8:40. (Three term hours.)**

Studies in Tennyson, the Brownings, Arnold, Landor, Clough, Rossetti, Morris, Swinburne. Recitations, lectures, oral and written reports.

**XI. The English Bible as Literature.—(First Half-Year.)**

—Mo., We., Fr., 7:45. (Three term hours.)

To the student of literature the Bible has a two-fold interest, entirely apart from its religious value: (1) It is itself noble literature; (2) It has influenced the literature of the English-speaking world more profoundly than has any other book. The object of this course is to help the student to see the beauty and the power of the Bible as literature—its narrative, its oratory, its exposition, its poetry and song. Recitations, lectures, oral and written reports.

**XII. (b). American Prose.—(Second Half-Year.)—Mo., We., Fr., 7:45. (Three term hours.)**

A rapid survey of the literature of the Colonial and Revolutionary Periods; then a study of the best work of Irving, Poe, Hawthorne, Emerson, Thoreau, Holmes, and others. Recitations, lectures, oral and written reports.

**ROMANCE LANGUAGES.**

**FRENCH.**

PROFESSOR PLAISANCE.

**Major:** Eighteen hours of Romance Languages and six hours of German above Freshman requirements constitute the minimum for a major.

**I. (a) (First Half-Year.)—Mo., We., Fr., 7:45. (Three term hours.)**

Thièrne and Effinger's Grammar, Reader, Daudet's Trois Contes Choisis. A course in grammar, pronunciation and sight reading.

**II. (a) (Second Half-Year.)**—Mo., We., Fr., 7:45. (Three term hours.)

Grammar continued. Special drill on irregular verbs, prose composition; Labiche and Martin's *Voyage de M. Perrichon*; Chateaubriand's *Atala*.

**I. (b) (First Half-Year.)**—Mo., We., Fr., 9:35. (Three term hours.) A parallel course to I. (a).

**II. (b) (Second Half-Year.)**—Mo., We., Fr., 9:35. (Three term hours.) A parallel course to II. (a).

**III. Second Year Course. (First Half-Year.)**—Tu., Th., Sat., 7:45. (Three term hours.)

Fraser and Squair's *Grammar*, Part II. One play each of Corneille, Racine, Victor Hugo, and Molière.

**IV. (Second Half-Year.)**—Tu., Th., Sat., 7:45. (Three term hours.)

Francois' *French Prose Composition*. Modern French stories and plays to be selected from the works of Balzac, Daudet, Dumas, Pailleron, Maupassant.

**V. Third Year French. (First Half-Year.)**—Tu., Th., Sat., 9:35. (Three term hours.)

Francois' *Advanced French Prose Composition*. Systematic reading of authors or by topics to be selected from the following: Molière, Victor Hugo, Modern Drama, Classic Tragedy, Lyric Poetry.

**VI. (Second Half-Year.)**—Tu., Th., Sat., 9:35. (Three term hours.) Course V. continued.

**SPANISH.**

Two years of Latin, or one year of French, a prerequisite for this course.

**I. (First Half-Year.)**—Mo., We., Fr., 8:40. (Three term hours.)

Beginners' Course. Hill's and Ford's *Spanish Grammar*, Ramsey's *Spanish Reader*. Grammar, pronunciation and sight reading.

**II. (Second Half-Year.)**—Mo., We., Fr., 8:40. (Three term hours.)

Course I. continued with additional readings.

## **GERMAN LANGUAGE AND LITERATURE.**

PROFESSOR KOLBE.

ASSISTANTS,

1908-09, MR. FOUCH.

1909-10, MISS MEANS.

The object of this department is to enable the student to acquire rapidly a practical knowledge of German. Special attention is given to pronunciation and the training of the ear for the sounds of the German language. The German language is used in the class room as the medium of teaching. This method, consistently pursued during a four years' course, not only guarantees to the faithful student an accurate and comprehensive knowledge, furnishing the key to the vast field of German literature, but it recognizes also the practical claims of the German language in a country where millions of German-speaking people live, where business relations and demands, in their various forms, call for an actual and practical use of this language, and where, therefore, this language, above all, should become, as far as possible, a living language in the mouth of the student. In thus combining theory with practical work it is thought that the greatest good will come to the student in the pursuit of the German language through the means indicated.

The following course is suggested as the proper order in which a major in German should be taken by those who enter unprepared in this language. For those who have studied modern languages in secondary schools, a personal conference with the instructor will be found necessary in planning major work.

Any student who so desires may take a major in modern languages by combining German and French so as to take at least 24 term hours after the completion of the required Freshman work. Care should, of course, be taken to plan for all required minor studies as early as possible in the course.

### **GERMAN MAJOR.**

#### **Freshman Year.**

German I. and II. (as required) 8 hrs.

#### **Sophomore Year.**

German III. and IV. (elective) 6 hrs.

German V. and VI. (elective) 4 hrs.

(Students whose work in the first year has been graded below G are advised to defer course in German V. and VI. until the third year.)

**Junior Year.**

German VII. and VIII. (elective) 6 hrs.  
(German V. and VI., if not taken in second year.)  
German XI. and XII. (elective) 4 hrs.

**Senior Year.**

German IX. and X. (elective) 4 hrs.  
German XIII. and XIV. (elective) 2 hrs.

**COURSES OF STUDY.**

**I. (First Half-Year.)**—Mo., Tu., We., Th., 9:35. (Four term hours.)

Joynes-Meissner's Grammar, Part I.; written grammar exercises from English into German. Stories and poems from Glück Auf. Simple conversation.

**II. (Second Half-Year.)**—Mo., Tu., We., Th., 9:35. (Four term hours.)

Review of grammar; rapid oral translation of English sentences into German; Storm's Immensee, Hillern's Hoehel als die Kirche or Gerstaecker's Germelshausen.

**III. (a) (First Half-Year.)**—Mo., We., Fr., 7:45. (Three term hours.)

This course is intended for those who have completed courses I. and II., or their equivalent. Students with one year of secondary school German will be admitted **on probation**. The time will be divided between prose composition and reading of easier prose or poetical works.

**IV. (a) (Second Half-Year.)**—Mo., We., Fr., 7:45. (Three term hours.)

Course IV. carries out in the second semester the work of course III. An easier classic, such as Wilhelm Tell may be attempted.

**III. (b) (First Half-Year.)**—Mo., We., Fr., 10:30. (Three term hours.) A parallel course to III. a, with equivalent work.

**IV. (b) (Second Half-Year.)**—Mo., We., Fr., 10:30. (Three term hours.) A parallel course to IV. a, with equivalent work.

**V. (First Half-Year.)**—Tu., Th., 10:30. (Two term hours.)

The work of this course is intended primarily for those who have completed courses I. and II. (with a grade no lower than G), or two years of secondary school German. Students coming from secondary schools with one year of German are advised to devote their attention during the first year to courses III. and IV., taking up this work and the following course VI. during the next year. This course, together with VI., III., IV., XI. and XII. are required of all students taking a major in the German department, unless excused by special permission of instructor. The work will consist of lectures, dictated in German, on the history of German literature (extending in course VI. to the year 1300), and of a review of Joynes-Meissner's Grammar.

**VI. (Second Half-Year.)**—Tu., Th., 10:30. (Two term hours.)

The nature of this course is the same as that of course V. For conditions of entrance see course V. For the grammar review of course V. a study of German life and customs will be substituted.

**VII. (First Half-Year.)**—Mo., We., Fr., 8:40. (Three term hours.)

Entrance to this course presupposes the completion of courses I. to IV., inclusive, and, if possible, of V. and VI., although the latter may be taken profitably in conjunction with VII. and VIII.

The work will consist of readings from Goethe, Schiller, Lessing, or Heine.

**VIII. (Second Half-Year.)**—Mo., We., Fr., 8:40. (Three term hours.)

This course follows directly upon course VII., and the same plan of work will be carried out.

**IX. (First Half-Year.)**—Tu., Th., 7:45. (Two term hours.)

The requirement for entrance is the completion of course VIII., although students of some ability in German may be admitted from a lower course by special arrangement with the instructor. The work will be upon Goethe's Faust.

**X. (Second Half-Year.)**—Tu., Th., 7:45. (Two term hours.)

This course follows immediately upon course IX. The subject will be modern prose.

**XI. (First Half-Year.)**—Tu., Th., 8:40. (Two term hours.)

A study of German literature from its beginnings to the time of Lessing. Texts: Bernhardt's Deutsche Litteraturgeschichte, together with reference work in the library. Required for major.

**XII. (Second Half-Year.)**—Tu., Th., 8:40. (Two term hours.)

Further studies in literature from Lessing's time to the present. The work of course XII. will be carried on and illustrated by the reading of selected texts.

**XIII. (First Half-Year.)**—Fr., 9:35. (One term hour.)

This course, while fitted for the needs of postgraduate students, is open to undergraduates who have completed course VIII. and to a limited number of others at the discretion of the instructor, and upon personal application.

The work of course XIII. will consist of lectures, research, conferences and note-books and will be carried on in English. The following subjects will be discussed: theories of the origin of language; a brief survey of the field covered by Comparative Philology with a few working principles illustrated; an historical study of German grammar.

**XIV. (Second Half-Year.)**—Fr., 9:35. (One term hour.)

See conditions for Course XIII.

A study of Middle High German and early New High German authors. Recitations, conferences and papers.

**GREEK.**

PROFESSOR ROCKWELL.

(Leave of absence 1908-09.)

MISS RINES.

Major: The elective courses in Greek are III., IV., VI., VI. Twenty-four hours elected above Freshman year constitute a major in Greek. The History of Greek Sculpture will count towards a major.

Major: Of the twenty-four hours necessary for a major in Greek and Latin, twelve hours at least must be of the Greek language above the Freshman year.

Courses I. and II. will count for college credit.

In the advanced courses the great masterpieces of prose and poetry are studied in their proper historical and literary setting, and the effort will be made during the three years' rotation of courses for the student to become more thoroughly acquainted with the lives and works of a small number of selected authors. As far as is admissible, some attention is given in connection with the regular work to Greek Private Life.

- I. **Goodwin's Greek Grammar and Xenophon's Anabasis**—(First Half-Year.)—Mo., Tu., We., Th., 9:35. (Four term hours.)
- II. **Xenophon (Anabasis, 3 books.)**—(Second Half-Year.)—Mo., Tu., We., Th., 9:35. (Four term hours.)
- III. **Homer (Iliad Selections.)**—(First Half-Year.)—Mo., We., Fr., 8:40. (Three term hours.)
- IV. **Homer (Iliad Continued): (New Testament Greek.)**—(Second Half-Year.)—Mo., We., Fr., 8:40. (Three term hours.)
- V. **Plato (Apology and Crito); Euripedes (Medea.)**—(First Half-Year.)—Mo., We., Fr., 9:35. (Three term hours.)
- VI. **Demosthenes (De Corona.)**—(Second Half-Year.)—Mo., We., Fr., 9:35. (Three term hours.)
- VII. **Sophocles (Antigone); Herodotus (Books VI. and VII.)**—(First Half-Year.)—Mo., We., Fr., 9:35. (Three term hours.)
- VIII. **Thucydides (Book VI.); Aristophanes (Birds, with special reference to Greek Private Life.)**—Mo., We., Fr., 9:35. (Three term hours.)

## HISTORY OF GREEK SCULPTURE.

PROFESSOR ROCKWELL.

(Leave of absence 1908-09.)

- I. (First Half-Year.)**—Tu., Th., 9:35. (Two term hours.) This course will count toward a major in either Latin or Greek.

This has been planned as a general course and will not require work in Greek or Latin. It will consist largely of lectures. There will be a short introduction setting forth the relation of Greek Art to the Art of Egypt, Assyria and Phoenicia, and this will be followed by a discussion of the various periods and schools of Greek Sculpture and the more important artists. The subject will be illustrated by photographs and lantern-slides. Tarbell's History of Greek Art will be made the basis of the course, and some collateral reading in histories of art will be required. The ability to read German, though not absolutely necessary, will be decidedly advantageous.

Note-books of the students will be examined by the instructor from time to time.

- II. (Second Half-Year.)**—Tu., Th., 9:35. (Two term hours.) Continuation of Course I.

- III. Research course on selected subjects.—First Half-Year.)**—Tu., Th., 9:35. (Two term hours.) Courses I. and II. required as a prerequisite.

- IV. (Second Half-Year.)**—Tu., Th., 9:35. (Two term hours.) Continuation of Course III.

## HISTORY.

PROFESSOR OLIN.

**Major:** History may be combined for two majors. One, "History and Economics," 12 term hours each; the other, "Philosophy and History," 12 term hours each. American History taken as a Freshman requirement cannot count for a major.

- I. American History.—(First Half-Year.)**—Tu., Th., Sat. 7:45. (Three term hours.)

A critical study of the political, social, and industrial aspects of the great Periods, Problems, and Events of United States History, together with an outline history of Mexico, Canada, Central America, South America, and the West Indies. Good course in U. S. History a prerequisite. This course is an elective instead of Mathematics for all Freshmen of the Classical or the Philosophical Course. (See page 45.)

**II. History of Western Europe.—(Second Half-Year.)—**

Tu., Th., Sat., 7:45. (Three term hours.) Text-book: James Harvey Robinson's History of Western Europe.

The story of Western civilization from the time of the Romans. The rise of the states of modern Europe. The development of the political, religious, social and industrial systems of the Middle Ages, and their outgrowths of today. The great movements that were common to the nations, with the special history of each state.

**III. History of England to the Seventeenth Century.—**

**(First Half-Year.)—**Mo., We., Fr., 9:35. (Three term hours.) Text-book: Terry, Green, Gardiner, Montgomery, Andrews, Cheyney, Macaulay, and others in the College library are used for reference.

As the history of England involves the interests of other countries, there must be additional subjects of study; any general history of England is helpful.

Lack of elementary English history and of historical reading is a serious want to the student. Such books as the following are recommended: Bulwer-Lytton's Harold, Kingsley's Hereward and Westward Ho; Shakespeare's English historical plays,—a part of the required work—Tennyson's Harold, Becket and Queen Mary, Scott's historical novels, Macaulay's and Thackeray's historical essays.

**IV. History of England to the Twentieth Century.—**

**(Second Half-Year.)—**Mo., We., Fr., 9:35. (Three term hours.) A continuation of Course I. Text-books and references as above.

## LATIN.

PROFESSOR ROCKWELL.

(Leave of absence 1908-09.)

MISS RINES.

Four units in Latin are required of all students entering Freshman Latin.

The elective courses are III. to VI. and IX. to XII.

**Major:** Twenty-four hours elected above Freshman year constitute a major in Latin.

The following arrangement of courses is suggested:

Sophomore year Latin III. and IV. (six hours), and one lecture course; Latin XI. and XII. (four hours.)

Junior year Latin, V. and VI., (six hours.)

Senior year Latin, VII. and VIII., (six hours.)

The remaining hours may be taken in a lecture course, the History of Greek Sculpture, or Latin Prose Composition.

**Major:** Twelve hours each of Greek and Latin above the Freshman requirements constitute a major in Greek and Latin.

**I. Cicero (De Senectute); Plautus (Mostellaria.)—(First Half-Year.)—**Mo., We., Fr., 7:45. (Three term hours.) Required of Classical and Philosophical Freshmen.

During the Freshman year a careful study is made of grammatical forms, syntax and idiomatic expressions, and written translations constitute a prominent feature of the work.

**II. Pliny (Selected Letters.)—(Second Half-Year.)—**Mo., We., Fr., 7:45. (Three term hours.) Required of Classical and Philosophical Freshmen.

**III. Livy (Books XXI.-XXII.); Plautus Trinummus Captivi.—(First Half-Year.)—**Mo., We., Fr., 10:30. (Three term hours.) Courses III. and IV. are open to students who have completed I. and II.

**IV. Terence (Andria); Horace (Odes and Epodes.)—(Second Half-Year.)—**Mo., We., Fr., 10:30. (Three term hours.)

**V. Tacitus (Annals XI-XVI); Suetonius (Claudius and Nero.)—(First Half-Year.)—Tu., Th., Sat., 7:45. (Three term hours.)** Open to students who have completed III. and IV.

**VI. Juvenal (Selected Satires); Martial (Selected Epigrams.)—(Second Half-Year.)—Tu., Th., Sat., 7:45. (Three term hours.)**

**VII. Roman Elegiac Poetry.—(First Half-Year.)—Mo., We., Fr., 10:30. (Three term hours.)**

**VIII. Cicero. Selected Letters.—(Second Half-Year.)—Mo., We., Fr., 10:30. (Three term hours.)**

**IX. Latin Prose Composition.—(First Half-Year.)—Th., 9:35. (One term hour.)**

During the first half-year a systematic study will be made of the Latin sentence and paragraph, but in the second half-year there will be the translation into Latin of connected passages of classic English.

**X. Latin Prose Composition.—(Second Half-Year.)—Th., 9:35. (One term hour.)** Continuation of Course IX.

**XI. History of Roman Literature.—(First Half-Year.)—Tu., Th., 10:30. (Two term hours.)**

First there will be a short survey of the laws in accordance with which the Latin language developed. Then the different forms and periods of Roman literature will be set forth by lectures. These will be supplemented by class readings from different authors.

**XII. History of Roman Literature.—(Second Half-Year.)—Tu., Th., 10:30. (Two term hours.)** Continuation of Course XI.

**XIII. Roman Private Life and Social Institutions.—(First Half-Year.)—Tu., Th., 10:30. (Two term hours.)** Not given in 1909-1910.

A course of lectures supplemented by some collateral reading of original and secondary authorities. Special subjects will be assigned for investigation.

**XIV. Roman Private Life and Social Institutions.—**  
**(Second Half-Year.)—**Tu., Th., 10:30. (Two term  
hours.) Continuation of Course XIII. Not given  
in 1909-1910.

### **LOGIC.**

PROFESSOR OLIN.

**I. Logic. (First Half-Year.)—**Tu., Th., Sat., 9:35.  
(Three term hours.) The text-book, Jevon's Ad-  
vanced Logic. Any other logic is good for refer-  
ence, especially Mill and Bain. Required of all  
candidates for the degree of Ph. B.

Logic is the study on the thought side of concepts, judgments,  
inferences; on the language side of terms, propositions, arguments;  
in other words, the study of correct processes of thought. It an-  
alyzes induction, traces its steps from observation, comparison,  
inference, proof, to the generalization of truths; it is the scientific  
method.

It passes not only from the particular to the general, but from  
the general to the particular, and points out in each case both the  
right way and the wrong.

It would be well for students to elect logic early, because in-  
ductive and deductive reasoning are fundamental to all other  
studies.

### **MATHEMATICS. PURE AND APPLIED.**

PROFESSOR BIEFELD.

C. R. OLIN, ASSISTANT.

#### **MAJOR IN PURE AND APPLIED MATHEMATICS.**

Analytic Geometry and Surveying, six term hours.

Analytic Mechanics, six term hours.

Differential and Integral Calculus, six term hours.

Advanced Calculus and Differential Equations, six  
term hours.

Total, twenty-four term hours.

The courses in this department have been planned to serve two purposes: First, to offer the study as a part of a liberal education, as a mental discipline to train the student in logical thinking and in the use of exact language; second, as a tool to be used in further college work, in the pursuit of the sciences at this or higher institutions offering graduate work, and to prepare for higher education along engineering lines.

To meet this last condition, the work has been arranged preparatory to the courses in Junior and Senior years of the best technical schools of the country. Two, three and four years can be spent with the utmost profit before entering upon the strictly professional courses of these institutions. The successful engineer of today needs besides his professional training the culture of a general college course. He must be able to handle men and business as well as design and handle machines.

The following courses are given each year:

**I. College Algebra.—(First Half-Year.)**—In two sections at 8:40. (Four term hours.) Mo., We., Fr., Sat. Required of all students in Science Course. Text: Hawke's Advanced Algebra.

Theory of Quadratics with graphical representations, Binomial Theorems, Progressions, Complex Numbers, Determinants, Partial Fractions, Logarithms, Theory of Equations.

**II. Plane and Spherical Trigonometry.—(Second Half-Year.)**—In two sections, at 8:40. (Three term hours.) Mo., We., Fr. Required of all students in Science Course. Text: Bauer and Brooke's Plane and Spherical Trigonometry.

Goniometry, Trigonometric Equations, Solution of Plane and Spherical Triangles.

Note:—Either I. or II. must be taken by students in Philosophical or Classical Courses to constitute their Freshman Mathematics.

**III. Analytic Geometry.—(First Half-Year.) at 10:30 and Six Weeks of Second Half-Year at 10:30.—**Mo., We., Fr. (Four term hours.) Elective for

those who have completed Courses I. and II. Text: Smith and Gale, Elements of Analytic Geometry. Offered every year.

Straight line and the General Equation of the First Degree. Polar Coordinates, Transformation of Coordinates. Conic Sections and Equations of the Second Degree. Tangents and Normals, Loci, Parametric Equations. The General Equation of the Second Degree, Euclidean Transformations, Inversion. Poles and Polars. Lines, Planes and Surfaces in Space. Special Surfaces.

**IV. Surveying.—(Second Half-Year.)—**Mo., We., Fr., 9:35. (Two term hours,) for twelve weeks, following Analytic Geometry. For the most part field work six hours a week. We. and Fr. afternoons. Elective for those who have taken Mathematics I., II. Text: Wentworth's Plane Surveying.

Theory of Instruments. Measurements with Chain and Compass, Tape and Transit. Levelling. Stadia Measurements. Making plots and maps with blueprints from field notes.

**V. Differential Calculus.—(First Half-Year.)—**Tu., Th., Sat., 9:35. (Three term hours.) Elective for those who have completed Courses I., II., and III., or who take II. parallel with it. Text: Osborne's Differential and Integral Calculus. Offered every year.

Functions, Theory of Limits, Differentiation, Series, Expansion of Functions, Indeterminate Forms, Maxima and Minima of Functions of one or more Variables, Partial Derivatives, Direction of Curves, Curvatures, Tangents and Normals, Evolutes, Involutives, Order of Contact, Envelopes.

**VI. Integral Calculus.—(Second Half-Year.)—**Tu., Th., Sat., 9:35. (Three term hours.) Elective for those who have completed V. Text: Osborne's Differential and Integral Calculus. Offered every year.

Integration of Standard Forms, Constant of Integration, Integration of Rational Fractions, Integration of Irrational Fractions, Trigonometric Forms, Integration by Parts, Integration by Substitution, Summation and the Definite Integral. Application to Curves and Simple Volumes, Double and Triple Integrals, Application to Surfaces and Volumes of Revolution, Moments of Inertia, Center of Gravity of any Solid, Application to Pressure of Fluids, Force of Attraction, etc.

**VII. Advanced Calculus and Differential Equations.—**  
**(First Half-Year.)**—Mo., We., Fr., 9:35. (Three  
term hours.) Elective for those who have com-  
pleted VI. Text: Cohen's Differential Equations  
and lectures on special topics with mimeograph  
notes. Offered in 1910-1911.

**VIII. Advanced Calculus and Differential Equations,**  
**Continued.—(Second Half-Year.)**—Mo., We., Fr.,  
7:45. (Three term hours.) Continuation of  
Course VII. Offered in 1910-1911.

Subjects treated:

Theory of Complex Variables, Hyperbolic functions and their de-  
velopment, Theory of Definite Integrals, Integration of Infinite  
Series, Fourier's series, Theory of Multiple Integrals, Complanation  
of Surfaces, Differential Equation of First Order and Degree, Ap-  
plication to Analytic Geometry, introducing complex variables.  
Differential Equation of the First Order and higher Degrees.  
Singular Solutions, Total Differential Equations, Linear Differen-  
tial Equations, Linear Differential Equations with Constant Co-  
efficients, Linear Differential Equations of the Second Order, Sys-  
tems of Simultaneous Equations, Integration in Series of Equa-  
tions of higher orders, Hypergeometric Series, Partial Differential  
Equations of the First and Higher Orders, Applications to Physics.

**IX. Analytic Mechanics.—(First Half-Year.)**—Mo., We.,  
Fr., 7:45. (Three term hours.) Elective for those  
who have completed Mathematics I., II., III., V.  
and VI., or who take III. and VI. parallel with it.  
Text: L. M. Hoskins Theoretical Mechanics. Of-  
fered in 1909-1910.

Fundamental Notions, Numerical Representation of Quantities,  
Scalars and Vectors, Statics, Motion of a Particle, Motion of a  
System of Particles, and rigid Bodies, Theory of Energy, Energy  
of a System of Particles, Conservation of Energy, Rigid Systems,  
Principle of Virtual Work, Relative Motion.

**X. Analytic Mechanics,—continuation of Course IX.—**  
**(Second Half-Year.)**—Mo., We., Fr., 7:45. (Three  
term hours.) Offered in 1909-1910.

## **ASTRONOMY.**

PROFESSOR BIEFELD.

**Major in Physics and Astronomy:** Physics, 16 term hours; Astronomy, 6 term hours; Analytics, (Math. III.) 4 term hours.

**I. Descriptive Astronomy.—(First Half-Year.)**—Tu., Th., Sat., 10:30. (Three term hours.) Elective for those who have completed Mathematics II., and have taken Physics Clas. I. and II. Text: Young's Manual of Astronomy.

Celestial Sphere, Astronomical Instruments, Elementary Celestial Mechanics, Solor System, Fixed Stars, Double Stars, Nebulae, Constellation Study one evening a week, Demonstration at Equatorial, Meridian Circle and other Instruments of the Observatory.

**II. Practical Astronomy.—(Second Half-Year.)**—Tu., Th., Sat., 10:30, or six hours' practical work in Observatory. (Three term hours.) Elective for those who have completed Mathematics I., II., III., Astr. I. and Phys. Sci. I. and II. Text: Campbell's Practical Astronomy.

Preliminary work with accessory instruments as: Micrometer, Level, Reading Microscope, etc. Theory of Astronomical Instruments, observations with Engineer's Transit, Sextant and Meridian Circle. Determination of Time, Latitude, Longitude, Right Ascension and Declination of Stars by Differential Method.

## **MECHANICAL DRAWING AND DESCRIPTIVE GEOMETRY.**

PROFESSOR BIEFELD.

C. R. OLIN, INSTRUCTOR.

Each year the demand has been stronger that it be made possible for a student to obtain such work in his Literary Course, as to shorten his course in a Technical School by two years. Buchtel College intends to continue distinctly as a College of Liberal Arts and Letters, but it has seemed wise to yield to the demand to a certain extent. One year's work in Mechanical Drawing and Descriptive Geometry, and a half-year's work in Physics have been added. This work will be such as will be accepted at full value by any Technical School.

A student looking forward to a Technical course after finishing the Literary course should make it known to the Classification Committee and the professors in charge, that a proper selection and election of work to this end may be made.

**I. Elementary Mechanical Drawing.—(First Half-Year.)**

—Mo., Tu., Th., 1-4. (Four term hours.) Three hours' drafting or recitation each day. Texts: Anthony, Elements of Mechanical Drawing. Sherman, Lettering.

Drawing Outfit includes Set of Drafting Instruments, drawing board, T-square, triangles, curve ruler, triangular scale, etc., and costs about \$10 for a satisfactory outfit. Good work cannot be expected with an inferior set of tools.

The work includes—use of drawing instruments, elementary geometrical drawing, lettering, orthographic projections, conventional representations used in surveying, drawing of plats and maps, tracing, blue-printing, etc.

Courses I. and II. are elective in place of French for Scientific Freshmen.

**II. Descriptive Geometry.—(Second Half-Year.)—Mo.,**

Tu., Th., 1-4. (Four term hours.) Three hours drafting or recitation each day. Text: Church. Descriptive Geometry; Bartlett's Problems in Descriptive Geometry. Prerequisites: Solid Geometry and Drawing Course I.

The work includes—representation of points, lines, planes, and intersections in orthographic projection; curved lines, tangents, development and intersection of surfaces, and simple pattern making.

## **MENTAL AND MORAL PHILOSOPHY.**

PRESIDENT CHURCH.

PROFESSOR OLIN, INSTRUCTOR.

**Major:** Philosophy may be combined for two majors, "Philosophy and Economics," and "Philosophy and History," twelve term hours required in each subject.

**Psychology I.—(First Half-Year.)—Mo., We., Fr., 7:45.**

(Three term hours.) Text-book: James' Psychology.

Psychology is an elective for one year in either a major or a minor group. A text-book affords the basis of study, and is supplemented by oral instruction which follows the lines of modern investigation. From time to time such topics as Habit, Memory, Imagination, Illusion, Hallucination, and Alternating Personality are assigned, and the student is referred to authorities in the library and expected to write papers which are read and discussed in the class, the purpose being to familiarize the student with the library method of study and investigation, and to stimulate him to think for himself. Original problems in observation are worked out by the students, reports discussed in class and note-books kept.

**Psychology II.—(Second Half-Year.)—Mo., We., Fr.,**  
7:45. (Three term hours.) Continuation of Course I.

**Ethics I.—(First Half-Year.)—Mo., We., Fr., 8:40.**  
(Three term hours.) Text-book: Mackenzie.

Moral Philosophy is an elective for two half-years. The subject embraces theoretical and practical ethics and is studied with reference to the origin and development of ethical ideas as viewed in the light of modern philosophy. Text-books are used as guides, but the aim is to encourage individual research and original thought; to that end, topics are assigned at intervals during the course, and students are referred to a library of wide and well chosen reference books. Papers are written and discussed on the doctrine and influence of such men as Socrates, Plato, Kant, Berkeley, and others, and on the systems of thought advanced by the Stoics, Epicureans, Cynics, and Ascetics. The theoretical bearing of the contemporaneous problems of Education, Charities, Penology, Temperance, and Sociology is introduced and the fullest discussion invited.

**Ethics II.—(Second Half-Year.)—Mo., We., Fr., 8:40.**  
(Three term hours.) Continuation of Course I.  
with Natural Theology. Text-books: Mackenzie  
and Valentine.

During the last thirteen weeks of the second half-year, the course in Ethics is supplemented by a course in Natural Theology. The object of this course is to lead the student carefully to observe the phenomena of Nature, to trace their causes to their creative source, and to read from them the power, wisdom and beneficence of God. A text book is used as an outline, while the student is given problems for original investigation and application, and topics for library research.

## NATURAL SCIENCE.

PROFESSOR BROOKOVER.

THERON S. JACKSON, ASSISTANT.

A major in Natural Science shall consist of twenty-four term hours above Biology I. and II. of the Freshman year. Biology I. and II. are introductory to, and prerequisite for all the other courses of the Department. Students who take a major in Natural Science, should elect Zoology I. and II. in their Sophomore year, preferably with the History of Zoology.

The work of the Junior and Senior years is designed to meet the needs of two classes of students. Prospective medical students should take Histology, Embryology, and Physiology with any other courses needed to make the required number of number of hours. Those who expect to teach science or are taking the work as part of their general culture should elect Botany, Geology, Physiology and any of the other courses necessary to complete the necessary number of hours.

A major in Natural Science and Chemistry shall consist of twelve term hours in Chemistry above the Freshman year, and an equal amount of Natural Science in addition to Biology I. and II. It is necessary to have Zoology I. and II. for the proper understanding of Geology II.

The courses of the Junior and Senior years are given in alternate years as noted below:

### I. **Biology I.—(First Half-Year.)—(Three term hours.)**

One recitation Tuesdays at 10:30. Four periods of laboratory work. Division I. Mondays, 1 to 2:40 and Fridays 9:35 to 11:25. Division II. Tuesdays and Thursdays, 1 to 2:40. For Freshmen and Sophomores. Text-book: Animal Forms, Jordan and Heath.

The laboratory work is a training in exact observation. Some representative types of the animal and vegetable kingdom will be carefully dissected and drawn. Types that are common in our

own surroundings are taken as of most importance and interest. The relations of these types to man, and their interrelations to each other are brought out to as full an extent as time will permit by recitations, lectures and reports. The cell is studied as the unit of Biology and the use and care of the Compound Microscope taught.

**II. Biology II.—(Second Half-Year.)—**(Three term hours.) Recitations and laboratory at the same hours as in the first half-year.

This is a continuation of the biological studies commenced in Biology I. The Botanical side of the work commences with microscopic forms of Algae and Fungi. Emphasis is placed on their method of living and reproduction. Bacteria are studied in the laboratory, and sanitary conditions and infection by germs are discussed in the lectures. The relationship of plants to animals is discussed. The relation that animals bear to the life of man and to other animals is pointed out. These things should be of general interest to all. The work ends with a comparison of spores and seeds, and a study of the tissues and reproductive processes in the higher plants.

**III. Zoology I.—Invertebrate Zoology.—(First Half-Year.)—**Mo., We., Fr., 7:45. Laboratory, We., 1:00 to 4:00. (Four term hours.)

This is a course in Systematic Zoology. Freshman Biology prerequisite. A large number of types are examined, dissected, and drawn. Their relationships are brought out by lectures and a suitable text. The lectures are illustrated by charts and lantern-slides. The laboratory work is supplemented by a study of the College's collection of microscopic slides. Students are encouraged to make slides for themselves. The College furnishes the necessary reagents and a Minot Automatic Rotary Microtome.

**IV. Zoology II.—Vertebrate Anatomy.—(Second Half-Year.)—**Mo., We., Fr., 7:45. Laboratory, We., 1:00 to 4:00. (Four term hours.)

This continues the work of Zoology I, by dealing with the Chordates. As in the preceding course, one-half of the time is devoted to the examination of slides, to dissections, and to drawings.

**V. History of Zoology.—(First Half-Year.)—**Tu., Th., 7:45. (Two term hours.)

This course can be taken only by those who have had Zoology I. and II., or by those who are taking Zoology. It will be a course dealing with the evolution of the Evolutionary idea ending with present day Zoological problems. Given only when three or more students elect it.

The following courses will be given in 1909-10, and in alternate years thereafter:

**VI. Geology I. Structural and Dynamical and Mineralogy.—(First Half-Year.)—**(Three, four or five term hours, according to whether laboratory work in blowpipe analysis is taken.) Recitations, Mo., We., Fr., 8:40. Text-book: LeConte's Elements.

Laboratory work to be arranged. Cannot be taken before the Junior year, and one year of College Chemistry and at least an elementary course in Physics are prerequisites. Field work to cover the important points of interest near Akron, is a part of the course.

**VII. Geology II. Historical Geology.—(Second Half-Year.)—**Recitations Mo., We., Fr., 8:40. (Three term hours.) Four term hours may be offered by those who take a major in Geology and Chemistry by doing laboratory work in Paleontology. Text-book: LeConte. Open only to those who have completed Geology I. and have had a course in Systematic Zoology. It is much better to have had a course in Systematic Botany as well.

In this course the work of the preceding course is continued by a study of the development of the American continent, and of the life forms that dominated in the past. Reference to the U. S. Geological Survey reports and to many papers and monographs is encouraged.

**VIII. Physiology I.—(First Half-Year.)—**Recitations Tu., Th., 8:40. Laboratory, 1:00 to 4:00, Friday (Four term hours.) Biology I. and II. are prerequisite, and one year of College Chemistry in addition to Elementary Physics. It is preferable to have had Zoology I. and II. It is intended for Juniors and Seniors.

The course deals with the physiology of muscles, of respiration and circulation and digestion. Kymographs and other necessary apparatus for laboratory work are furnished.

**IX. Physiology II.—(Second Half-Year.)**—Recitations Tu., Th., 8:40. Laboratory, Friday p. m., 1:00 to 4:00. (Four term hours.) Same prerequisites as for Physiology I.

The course continues the work of the first half-year by an experimental and text-book course in the anatomy and physiology of the nervous system and sense organs.

The following courses are to be given in 1910-11, and in alternate years thereafter:

**X. Botany I.—Systematic Botany.—(First Half-Year.)**  
—Recitations, Tu., Th., 8:40. Laboratory, 1:00 to 4:00, Friday. (Four term hours.)

The laboratory work includes as many types of Thallophytes, Vryophytes and Pteridophytes as the time will permit. Their relationship are brought out by recitations and lectures. This course should precede Geology II.

**XI. Botany II.—Systematic and Physiological Botany.—(Second Half-Year.)**—Recitations, Tu., Th., 8:40. Laboratory 1:00 to 4:00, Friday. (Four term hours.)

The work of the previous half-year is continued to include the Spermaphytes. Cell and tissue structures are studied, and experiments in plant physiology are conducted. The student is encouraged to prepare and stain permanent microscopical preparations for his own collection.

**XII. & XIII. Histology.**—A course in the preparation and study of animal tissues and cell structure will be offered for those expecting to go forward to medical school. Two recitations each week for a year and four periods of laboratory work are arranged on consultation with the instructor.

**XIV. Embryology.—(Second Half-Year.)**—(Two or three term hours, according to the amount of laboratory work.) One recitation at 7:45 on Tu., or Th. Only for students who have had Zoology or are taking it at the time.

A study of maturation, fertilization and development,—mainly the development of Vertebrates. Two or four hours of laboratory work in microscopical preparation and drawing.

## **COURSES IN PHYSICS.**

PROFESSOR BIEFELD.

Beginning with 1909 the following courses in Physics will be offered for both Classical and Scientific students running over two years as a four hour study, three hours of recitation and one laboratory period per week. This course will be begun every year, thus accommodating students who wish to spend only two years at college, continuing their studies at some engineering school.

Prerequisites for the course are: A year of elementary physics, a year of chemistry and at least the trigonometry of the Freshman year. Text: Crew's College Physics.

### **Majors in Physics and Astronomy.**

Physics, 16 term hours.

Astronomy, 6 term hours.

Analytics (Math. III.) 4 term hours.

Total, twenty-six term hours.

### **Majors in Physics and Chemistry.**

Physics III. and IV., 8 term hours.

Chemistry, 18 term hours.

Total, twenty-six term hours.

(These courses given in 1909 and every year thereafter.)

**I. Mechanics, Wave Motion.—(First Half-Year.)—**Three recitations, Mo., We., Fr., 9:35, and two laboratory hours. (Four term hours.)

**II. Light and Photography.—(Second Half-Year.)—**Three recitations, Mo., We., Fr., 9:35, and two laboratory hours. (Four term hours.)

I. and II. prerequisites for III. and IV., given in 1910 and thereafter.

- III. Sound, Heat and Magnetism.—(First Half-Year.)—**  
Three recitations, Tu., Th., Sat., 9:35, and two laboratory hours. (Four term hours.)
- IV. Electricity and its Applications.—(Second Half-Year.)—**Three recitations, Tu., Th., Sat., 9:35, and two laboratory hours. (Four term hours.)

I. and II. are required of students before taking up descriptive and practical Astronomy (Astr. I. and II.)

### **PUBLIC SPEAKING.**

PROFESSOR MERRILL.

**Major in Public Speaking and English Literature:** The minimum is ten term hours of Public Speaking and fourteen term hours of English Literature.

- I. Elementary Course.—(First Half-Year.)—**Mo., We., Fr., 8:40. (Three term hours.) Breath Control. Tone Placing, Tone Building, Enunciation, Emphasis, Inflection, Phrasing, Analysis, Gesture, Vocal and Physical Expression, Recitation, Declamation.
- II. (Second Half-Year.)—**Mo., We., Fr., 8:40. (Three term hours.) Declamation, Oration, Development of Imagination and Sympathetic Insight into Literature.
- III. Advanced Course.—(First Half-Year.)—**Tu., Th., 8:40. (Two term hours.) Original Oration and Debate.
- IV. (Second Half-Year.)—**Tu., Th., 8:40. (Two term hours.) Extempore Address. Literary, Dramatic and Artistic Interpretation. Character Study. Browning's Poems, Shakespeare's Plays.

A two years' course is offered in the department of Public Speaking. Progressive educators realize that the Spoken Word is an essential part of education. It is a recognized psychological fact that no one **knows** that which he is unable to present clearly to the

consciousness of another. A blurred, indistinct utterance is a poor introduction into the business, social and educational world, while a cultivated, distinct utterance wins respect and attention. The men and women, who can speak well have an advantage over those who cannot, even though the latter may possess superior ability in other lines. Educated men and women especially should be able to speak in a clear and forceful manner, free from mannerisms and localisms. Instruction will be furnished those students who enter the Oratorical and Prize Speaking contests.

## **DEPARTMENT OF PHYSICAL TRAINING.**

MR. SHIPMAN.

The regular gymnasium drill for young men will begin about the middle of November and will close the last of March. This work is required of all first year students of the College and all Academy students except Seniors, and may be elected by others.

The drill consists of light calisthenics, dumb-bell sets and club-swinging by the entire class, and the work is directed to develop good form and to give complete control of the muscles of the body by light exercises. It aims to secure lightness, agility and grace rather than strength. Those students who are far enough advanced will be formed into special classes for work on the bars, fancy club-swinging and track-work.

The gymnasium has been equipped with a very heavy running mat and a vaulting block, so that sprinting, hurdling and vaulting can be practiced during the winter. Near the close of March, a Men's Gymnastic Exhibition will be held and many of the events will be preparatory for the Track Meet in the spring. The Exhibition counts as the examination in this course. Work on any of the other teams does not excuse attendance from the regular drill.

The gymnasium will be open for visitors only on Visiting Days and on other occasions only by special permission of the President or the Instructor in this department.

A limited number of resident students may be admitted to the drill by application to the Committee of the Faculty on Athletics and the payment of the incidental fee of \$3.75 for the entire period of four months.

Lectures will be given upon the physiology of exercise, diet, etc. An examination upon them will be given at the end of the year.

The Athletic Association is honored by the gift of the Medal presented by Mr. Frank Talbot Fisher, of New York, and also by his very generous donation of prizes for the Track Meet. They consist of two cups of the value of \$50 each and a Medal and are given under the following conditions:

The Individual Cup is to be awarded to the Athlete making the greatest number of points in the Track Meet, and must be won by him three years in succession in order to become his permanent property.

The Class Cup is the permanent property of the Athletic Association and is to be competed for by classes each year. An honorary position upon the cup is awarded the name of the class scoring the greatest number of points in each annual Track Meet.

The Medal is to be given to the Athlete scoring the greatest number of points, and at once becomes his personal possession. One such Medal is to be offered for each annual Track Meet.

The Individual Cup and the Medal are open to all academic students of the College and Academy who are bona fide students (not counting courses in music and art). The Class Cup is open to the four College classes.

The annual Track Meet to compete for these prizes will be held early in June of each year.

## **PHYSICAL INSTRUCTION FOR YOUNG WOMEN.**

DR. WEAVER.

Recognizing the need of some specific instruction to young women in addition to physical training and exercise, a course of lectures is given to all first year young women, covering the field of hygiene, exercise, diatetics, and remedies of temporary relief. On certain afternoons of the week, the exclusive use of the gymnasium is reserved for young women. Athletic sports, in basket ball and lawn tennis, are encouraged.

**BUCHTEL  
ACADEMY**

# TEACHERS AND OFFICERS OF BUCHEL ACADEMY

For the Year, 1908-1909.

AUGUSTUS B. CHURCH, A. M., D. D., LL. D.,  
PRESIDENT.

CHARLES O. RUNDELL, B. S.,  
*Principal and Teacher of German*

CHARLES M. KNIGHT, A. M., Sc. D.,  
*Director of Chemistry*

ALBERT I. SPANTON, M. A.,  
*Teacher of English*

M. ALICE RINES, A. M.,  
*Assistant Principal and Teacher of Latin*

CHARLES H. SHIPMAN, A. B.,  
*Teacher of Physical Science, Mathematics, and Director of Athletics*

ELIZABETH A. THOMPSON,  
*Teacher of English and History*

KATHARINE MERRILL, A. B.,  
*Teacher of English and Oratory*

SARAH DE MAUPASSANT PLAISANCE, A. M.,  
*Teacher of French*

HAZEL VAN L. SMITH, Ph. B.,  
*Teacher of Latin*

MAY F. SANFORD,  
*Teacher of Drawing*

COTTIE P. SHUMAN, B. S.,  
*Instructor in Chemistry*

## GENERAL INFORMATION.

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Recognizing that students coming from all parts of Ohio and the adjoining states, to enter college, have not the same preparation, and that many of them are deficient in or lack some branch of study essential to College admission, the Trustees established an Academy, in which all deficiencies can be made up. The School also furnishes to such as live in towns not supplied with a high-grade High School an opportunity to acquire at moderate cost a thorough preparation for College classes. There are three courses of study of four years each, preparing for the corresponding College courses.

This Academy is under the same general administration as the College, and is under the immediate supervision of the Principal. All students are received as coming for the purpose of doing the best they can for themselves. All diligence will be used to advance them in their work, but as they do their studying in their own rooms, teachers cannot assume responsibility for those who, through want of application, fail to prepare their lessons. Self-government is the central idea.

Students who intend to take a College Course, are recommended to spend the last preparatory year in this School, on account of the better adjustment of the studies to the regular College work, and for the sake of mental discipline in accord with college methods of study.

Students will be examined and assigned to classes for which they are qualified. Those presenting certificates of promotion from good grammar schools or common school certificates under the Patterson law will be admitted without examination, subject to the condition that they sustain themselves in their work, but the right is always reserved to examine in English Grammar.

Those desiring to enter advanced work will be examined in the studies of the lower classes.

During the course of study, written reviews and unannounced examinations or tests are held at the discretion of the teachers, and final examinations made out by the Principal, are held in all subjects.

Original literary exercises are required of all students after the Preparatory year in connection with the reading of the books named on pages 97 and 98.

All the teaching will be done by regular instructors, some of them members of the College Faculty, and no pains will be spared to make this a school of thorough training in preparatory work.

At least fifteen (15) units are required for graduation. For definition of "unit" see Terms of Admission, page 42.

A certificate of graduation will be given to all who complete the course without conditions.

The School occupies a building by itself—a modern school building, thoroughly equipped, with class rooms, offices, art rooms, laboratory, and hall.

All students have the use of the College library.

Strong students are allowed to take more than the regular amount of work so that during the fourth year they may take part College work.

Students preparing for colleges whose entrance requirements are not the same as those of Buchtel College, may select such subjects as will prepare them for the college chosen.

**Special Students**—While we believe that our courses of study are so planned as to meet most requirements, there are nevertheless, cases where it is wise to depart from the regular course. Students not in good health may take as many subjects as they are able to carry. Students whose parents so desire, may select any subject which they are prepared to carry successfully.

## REGULATIONS.

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Regular class attendance, courteous deportment, and earnest endeavor are demanded of all.

Monthly reports of the progress of students will be sent to parents or guardians.

Parents will be requested to withdraw a student who, after full trial, fails to maintain himself in his studies.

No student will be allowed to take up or drop a study without the consent of the Principal.

The use of tobacco and alcoholic liquors in and about the buildings or on the campus is prohibited. It is useless to expect any pupil who indulges in either to make satisfactory progress in class work.

Parents are requested to co-operate with the Faculty in keeping pupils from these vicious indulgences.

All property destroyed, defaced or injured by students maliciously or carelessly must be paid for by such students.

All forms of hazing are prohibited.

Class "rushes" and class disturbances of every kind are forbidden.

All "initiations" of students are forbidden.

All term bills are due and payable on the first day of each half-year for the entire half-year. These bills must be paid, or arrangements for their payment made satisfactory to the Secretary of the College, before entering any classes.

For statement of expenses see page 32.

## DESCRIPTION OF COURSES OF INSTRUCTION.

### LATIN.

#### First Year.

**First Half.** Collar and Daniell's First Year Latin.

**Second Half.** Collar and Daniell's First Year Latin completed and Selections or Viri Romae.

#### Second Year.

**First Half.** Caesar's Gallic Wars, Pearson's Latin Prose, or text of similar grade.

**Second Half.** Caesar's Gallic Wars, 4 books completed and Prose Composition continued.

#### Third Year.

**First Half.** Cicero's Orations. Sight Work. Prose Composition continued one hour per week.

**Second Half.** Cicero's Orations, 6 orations completed. Sight work, amounting for the year to two orations or their equivalent. Prose Composition.

#### Fourth Year.

**First Half.** Vergil's Aeneid. Prosody. Systematic Review of Grammar with prose composition.

**Second Half.** Vergil's Aeneid, 6 books completed. Prosody. Review of grammar completed.

### GERMAN.

A full three years' course of five hours per week will be given. For students in regular course German may be elected in the third year. Students requiring three years' preparatory work in this subject should elect the same in the second year of the course.

The aim of the first year in German is to enable the student to acquire a good pronunciation, to familiarize him-

self with grammatical forms and principles, and with so much of a vocabulary as will make it possible for him to read simple German texts correctly and understandingly, and to answer questions upon them in German.

The aim in the second year of German is to review thoroughly the forms and principles of German grammar, putting them into constant use in translating English sentences of increasing difficulty into German; to acquire the ability to read easy German at sight and with sufficient ease so that the beauty of the original may be appreciated at first hand; to enable the student to give a brief account of the texts read, and to converse upon them in German.

The third year's work in German will be devoted to grammar review, prose composition, lectures in German, the reading of lighter works in prose and poetry, and the reading of classics.

#### First Year.

**First Term**—Bacon's German Grammar and selected stories with exercises based on the reading text.

**Second Term**—Bacon's German Grammar. Graded readings. Exercises. Grammar review.

#### Second Year.

**First Term**—Joynes-Meissner's Grammar, Part I.; Storm's Immensee, Heyse's L'Arrabiata; or texts of similar grade. German Prose Composition. Sight translation. Free reproduction.

**Second Term**—Moser's Der Bibliothekar; Schiller's Wilhelm Tell, or other texts. Joynes-Meissner, Parts I. and II. Prose Composition continued. Free sight translation. Free reproduction.

#### Third Year.

**First Term**—Review of Grammar. Prose composition. Lectures, dictated in German, on the History of German Literature. Sight translation. Reading of easier Prose or Poetical Works and Classics.

**Second Term**—Continuation of work of First Term. A study of German life and customs is substituted for the grammar review of the first term. Reading of more advanced works.

### **FRENCH.**

Two years of French are offered in the Academy at present, but more would probably be given, if the number of students electing it was large enough to warrant increasing the course.

#### **First Year.**

- I. **First Half-Year.**—Chardenal's Complete French Course. Reader, French Fairy Tales; written exercises from English into French. Drill in pronunciation and sight reading.
- II. **Second Half-Year.**—Grammar continued. Mairret's *La Tache du Petit Pierre*; Feullet's *Roman d'un jeune homme pauvre*.
- III. **First Half-Year.**—Grandgent's French Prose Composition; Bazin's *Contes Choisis*.
- IV. **Second Half-Year.**—Francois' French Prose Composition. *Lamartine Jeanne d'Arc*.

### **ENGLISH.**

The work in English has two definite aims—(1) it seeks a constantly increasing skill in the pupil's powers of language expression, and (2) it seeks at the same time to teach the pupil to appreciate good literature. It includes Grammar, Rhetoric and Composition, History of English Literature, Theme Writing, and the reading and study of the classics required for College entrance. The first-half of the first year is given to a review of grammar, and the simpler forms of discourse are taken up, and pupils are

taught to apply the broader rhetorical principles in writing without formal study of these principles. In the second-half of the first year, formal work in Rhetoric is begun together with the reading of the classics, and this work is continued throughout the course. From the first, exercises in oral and written composition are required—one theme a week is written by all pupils—and numerous additional written exercises are expected. The subjects of the themes are chosen not only from the books read, but are based largely on daily experience and observation; for it is believed that a pupil should write something he wishes to write, for an audience which wishes to hear it.

A more detailed statement of the course follows:

**English I. 5 hours. Review of Grammar.**—Drill in simple narration and description.

**English II. 5 hours. Rhetoric and Composition. Readings.**

Rhetoric.—Text-book: Brooks and Hubbard's *Composition Rhetoric*. Elementary study of expression of ideas arising from experience, imagination, or acquired through language. Letter Writing—More formal study of description, narration.

Readings.—*Snow Bound*, *The Courtship of Miles Standish*, *The Lady of the Lake*.

**English III. 5 hours. Rhetoric and Composition.**—Exposition and Argument.

Readings.—*Ivanhoe*, *Silas Marner*, *A Tale of Two Cities*.

**English IV. 5 hours. Rhetoric and Composition.**—Elements of Form, Rhetorical features of the sentence.

Readings.—*Lays of Ancient Rome*, *The Deserted Village*, *The Ancient Mariner*, *The Merchant of Venice*.

**English V. 4 hours. History of English Literature.**—

Theme writing, (at least one theme every two weeks), and Readings.

*Julius Caesar* and *Macbeth*.

**English VI. 4 hours.**—A continuation of English V.

Readings.—The Sir Roger de Coverley Papers, Sesame and Lilies, The Sketch Book, Washington's Farewell Address, Webster's Bunker Hill Oration.

**English VII. 2 hours.**—Theme Writing, and Readings.

Macaulay's Essay on Johnson, Milton's Minor Poems, Tennyson's Gareth and Lynette, Launcelot and Elaine, The Passing of Arthur.

**English VIII. 2 hours.**—Review and application of principles of Rhetoric in Theme Writing. The work of the first part of this term is devoted to the writing of shorter themes; and the work of the last half to longer themes and the preparation of a thesis of fifteen hundred words or more.

## **HISTORY AND GOVERNMENT.**

This course provides for four years' work in History and Government, the aim being to bring before the student the rise, development and influence of Greece, Rome, the nations of Medieval Europe, the British Empire, and the United States. Note-books, map drawing, and supplementary reading constitute a part of the work in all courses.

### **History I.—Ancient History.**

An introductory course, aiming to interest students in the earlier civilizations, and the history of Greece.

### **History II.**

The rise and development of Rome and its influence in shaping world history.

### **History III. and IV.**

The second year is devoted to the study of Medieval Europe and the great transitional changes of that period of history, and to the study of modern history; or

### **History V. and VI.**

This course presents the history of the English people, special attention being given to the causes and events in the development of the British constitution.

## History VII.

The work of this course embraces a broader study of American history. The rise and development of the American system of representative government is carefully traced.

## Civics.

The work in Civil Government is intended to impress upon the student's mind the responsibilities and duties of American citizenship and to familiarize him with the political and governmental institutions peculiar to our own country.

## MATHEMATICS.

### Algebra I.—Five hours a week. (First Half-Year.)

Text: Stone & Millis' Essentials of Algebra.

Fundamental operations, parentheses, simple integral equations, problems, special rules in multiplication and division, factoring, common factors and multiples.

### Algebra II.—Five hours a week. (Second Half-Year.)

Text: Stone & Millis' Essentials of Algebra.

Fractions, fractional equations, literal equations, general problems, simultaneous simple equations, involution and evolution, theory of exponents, surds and simple quadratic equations, physical equations and graphical solutions.

### Algebra III.—Five hours a week. (Second Half-Year.)

Text: Stone & Millis' Essentials of Algebra.

This term of Algebra is given after the pupil has taken Geometry, and during the last half of his Senior year in order that it may not be too far removed from the College Freshman Algebra. The term's work will include—Review of quadratic equations, equations in quadratic form, simultaneous quadratics, problems, ratio and proportion, permutations, logarithms, binomial theorem, physical equations and graphical solutions, etc.

### Geometry I.—Five hours a week. (First Half-Year.)

Text: Robbins' Plane and Solid Geometry, Books I., II.

### Geometry II.—Five hours a week. (Second Half-Year.)

Text: Robbins' Plane and Solid Geometry, Books III., IV., V.

**Geometry III.**—Five hours a week. (First Half-Year.)

Text: Robbins' Plane and Solid Geometry. Books VI., VII., VIII., IX.

**SCIENCE.**

**Physical Geography.**—Text: Salisbury's Physiography for High Schools.

This subject includes the study of the earth as a globe, the atmosphere, the bodies of water, land forms and changes, shore lines, and the distribution of plants and animals. The country about Akron is especially rich in illustrative features. Places of interest are visited and a brief study of local formations is undertaken. A note-book covering about fifty experiments must be kept.

**Botany.**—Text: Coulter's. A Text Book of Botany.

This course covers a study of seeds, food storage, stem structure and growth, roots, ecology of plants, families, habitat, etc. About thirty plants are analyzed and mounted, and a note-book covering about thirty experiments is kept.

**Physics.**—Required in all courses. Text: Millikan and Gale's First Course in Physics.

The first term covers Mechanics and Heat. A note-book (The National Physics Note-Book) is kept, covering about thirty-five experiments.

The second term covers Light, Electricity, and Sound. About twenty-five experiments are performed and recorded in the note-book. Credit is given for successful pieces of apparatus made by the student and the work is correlated with the daily life of the student to a large extent.

**Chemistry.**—Text: Hessler and Smith.

A course of one year in Elementary Chemistry is provided for students who are preparing for scientific courses of study. They are given regular practice in the College Laboratories. The course takes up the study of metals, non-metals and the great types in organic chemistry. A student who has completed this course, is better able to understand the chemical side of his other scientific work, such as the action of batteries in electricity, oxidations and reductions in physiology and the food reactions in the plants and animals.

# BUCHTEL ACADEMY COURSE OF STUDY.

1909-1910.

## First Year.

Hrs.	Hrs.
English I. ....5	English II. ....5
Latin I. or French I. ....5	Latin II. or French II. ....5
Ancient History .....4	Ancient History .....4
Physiography I. or .....5	Physiography II. or .....5
Botany I. ....5	Botany II. ....5
Drawing I. ....2	Drawing II. ....2
Gymnasium .....2	Gymnasium .....2

## Second Year.

Hrs.	Hrs.
English III. ....5	English IV. ....5
Latin III. or French III. ....5	Latin IV. or French IV. ....5
Algebra I. ....5	Algebra II. ....5
Medieval History .....4	Modern History .....4
or English History .....4	or English History .....4
Gymnasium .....2	Gymnasium .....2

## Third Year.

Hrs.	Hrs.
English V. ....4	English VI. ....4
Latin V. or German I. ....5	Latin VI. or German II. ....5
Geometry I. ....5	Geometry II. ....5
Chemistry I. ....4	Chemistry II. ....4
Gymnasium .....2	Gymnasium .....2

## Fourth Year.

Hrs.	Hrs.
Latin VII. or German III. ....5	Latin VII. or German III. ....5
Geometry III. ....5	Algebra III. ....5
Physics I. ....5	Physics II. ....5
U. S. History and Civics. ....4	U. S. History and Civics. ....4
German V. ....5	German VI. ....5
English VII. ....2	English VIII. ....2

Buchtel Academy is on the accredited list of the North Central Association of Colleges and Secondary Schools.

**BUCHTEL ACADEMY REQUIREMENTS FOR  
GRADUATION.**

**REQUIRED.**

English .....	C. P. S.	3	units
Mathematics .....	C. P. S.	3	"
Foreign Languages .....	C. P. S.	(4)	"
Latin .....	C.	4	"
Latin .....	P.	2	"
History and Government .....	C. P. S.	(2)	"
Ancient History .....	C. P. S.	1	"
U. S. History and Civics .....	C. P. S.	1	"
Science .....	C. P.	(1)	"
Science .....	S.	(3)	"
Physics .....	C. P. S.	1	"
Chemistry .....	S.	1	"
Physiography .....	S.	1	"
or Botany .....	S.	1	"
Drawing .....	C. P. S.		
Gymnasium .....	C. P. S.		

**ELECTIVE.**

Latin .....	P.	1 or 2 units additional
Latin .....	S.	2, or more units
French .....	C. P. S.	2, or more "
German .....	C. P. S.	2, or more "
Medieval and Modern History .....	C. P. S.	1 unit
English History .....	C. P. S.	1 "
Chemistry .....	C. P.	1 "
Physiography .....	C. P.	1 "
Botany .....	C. P.	1 "

C.—Classical. P.—Philosophical. S.—Scientific.

**MUSIC SCHOOL**  
AND  
**ART SCHOOL**  
OF  
**BUCHTEL COLLEGE**

## **BUCHTEL SCHOOL OF MUSIC.**

ISABEL STUART KENNEDY, DIRECTOR AND INSTRUCTOR IN  
PIANO, ORGAN AND HARMONY.

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The first aim of this school is to gain artistic results. It is conducted on the idea that interpretation and conception of music are the highest attainments of the art. To acquire these artistic results, uniformity of method and strict technical training are held to be of first importance.

Practice pianos will be furnished students at low rates.

A large pipe organ has been placed in the music room for college use and instruction. It is a two-manual organ of a capacity for practice and execution sufficient for the work required on any organ in the city.

It is connected with a motor, and practice hours may be arranged with Miss Kennedy for pupils and organists of the city.

Certificates of attainment will be issued to students who have completed certain prescribed courses of study.

For further particulars as to courses, hours and tuition, address, Isabel S. Kennedy, Director, Buchtel College, Akron, Ohio.

### **Piano and Organ.**

MISS KENNEDY.

The instruction in this department seeks to develop a clear, musical touch, a correct ear, and a recognition of the best in music, as well as a technical skill. Attention is paid to sight-reading where students are deficient in that branch, and in all respects the effort is made, by the careful consideration of individual needs, to arouse in the student a genuine interest in the work. Particular attention is given to methods of practice.

Miss Kennedy's musical instruction was received at the Cincinnati College of Music, where she had the advantage of study under Armine W. Doerner, J. A. Broek-

hoven, Mrs. Lillian Arkell Rexford, Leandro Campanari and the late Otto Singer.

It is her aim to give to her pupils the broad course of study she received from these instructors.

Following these five years of musical study she has continuously striven to perfect her acceptance of their methods and feels prepared to give her pupils a thorough training in the branches mentioned above.

#### TERMS.

Piano and Organ—per term of 20 lessons, one-half hour each .....	\$20.00
Theory—private lessons, per term of 20 lessons.....	20.00
In classes of six or more, 2 hours a week, per term of 20 lessons .....	10.00

All bills for music tuition and organ practice are payable monthly at the Office in Buchtel Hall.

#### SCHOOL OF ART.

MAY FAIRCHILD SANFORD, INSTRUCTOR.

The Buchtel College School of Art offers advantages superior to most colleges and equal to the best art schools in the country, in both its primary and higher branches.

Two principal ideas prevail in the Art School. All practical knowledge of Art is based upon drawing. All drawing is from nature.

The students follow a progressive course, passing from step to step as they show proficiency. Students are not kept back for a class, each one being advanced as fast as his ability or effort will allow. Quality of the work done, not a given number of works or a fixed length of time, determines the advancement.

The course embraces work in charcoal, crayon, pen and ink, pencil, pastel, water color and oil. Pupils work from still life, cast and life.

Students may enter the school at any time by presenting themselves and registering. It is to their advantage,

however, to do so as near the beginning of the year as possible. Pupils may work all day, half a day, or by the hour. A portrait class will be formed, and drawings from the living model will be one of the advantages offered advanced pupils.

Those desiring to prepare themselves for teaching will receive special attention.

A class for children will be held Saturdays from 8:30 to 11:30.

The studios are open all day five days and Saturdays in the forenoon.

Exhibitions of student's work are held during the year, besides special exhibitions of the work of resident and foreign artists.

**TUITION.**

Each half-year, (20 weeks), all day .....	\$50.00
Each half-year, half day, five times a week .....	29.00
Each half-year, half day, three times a week .....	22.00
One month, all day .....	12.00
One month, half day .....	8.00
Children's class, twelve weeks .....	9.00
All other arrangements, per hour .....	.50

Visitors are always welcome, and the public is invited to all receptions and exhibitions.

All communications should be addressed, May F. Sanford, Buechtel College, Akron, Ohio.

# REGISTER OF STUDENTS OF BUCHEL COLLEGE.

For 1908-1909.

## SENIOR CLASS.

Bull, Slector	S	Sidney
Carpenter, Ford L.	S	Akron
Cole, Hazel Lane	P	Akron
Ewart, Claude E.	S	E. Akron
Fouch, Honor C.	S	Sterling
Frederick, Irl A.	S	Copley
Greer, Blanche Clare	P	Akron
Iredell, Robert	S	Akron
Jackson, Theron S.	S	Cleveland
Jahant, Charles	S	Akron
James, Nellie R.	P	Cuyahoga Falls
Jones, Cyrintia	S	New Lebanon, Ind.
McNeil, Cecil	S	Akron
Pfaff, Herman H.	S	Akron
Rentschler, Beatrice Dacotah	C	Akron
Richardson, Reed W.	S	Westville
Simmons, Marie	C	Le Roy
Sippy, Burne Olin	S	Akron

Senior—18

## JUNIOR CLASS.

*Arbogast, Harry	S	Akron
Botzum, Lida	P	Akron
Cowan, Anna	C	Hudson
Ford, Martha Eleanor	S	Milledgeville
Hanan, Joseph Bradford	P	Wadsworth
Harter, Helen	C	Akron
Koplin, Thomas Myron	P	Akron
Means, Marjorie	P	Akron
Pfaff, Helen	S	Akron
Proehl, Bessie	P	Akron
Read, Verne R.	S	Akron
Risch, Walter H.	S	Akron
Rohan, Howard	S	Plainville
*Swanson, Harriet E.	P	Grand Valley, Pa.
Theiss, Fred C.	S	Akron
Tomlinson, Agnes Martha	S	Perry, N. Y.
Wells, Ethel J.	C	Akron
Wright, Harry E. G.	S	Rittman

Junior—18

## SOPHOMORE CLASS.

*Babb, Lois	P	Akron
Bailey, Asa D.	S	Akron
*Belden, Russell	S	Akron
Buel, Walker S.	S	Akron
Cruickshank, Maggie	P	Akron
Dodge, Harriet D.	P	South Berwick, Me.

\*Fouch, Glen .....S..... Sterling  
 \*Gulick, Robert A. ....S..... Akron  
 \*Haas, Elma .....P..... Akron  
 \*Hardgrove, Arden Ellwood .....P..... Akron  
 Hart, Hazel Bessey .....P..... Girard, Pa.  
 Hotchkiss, Robert P. ....P..... Akron  
 \*Jackson, Gertrude H. ....P..... Akron  
 McMillan, Frank O. ....S..... Akron  
 \*Minor, Hazel .....P..... Akron  
 Moore, Floyd .....S..... Le Roy  
 Myers, Albert B. ....S..... Akron  
 Olin, Leona Genevieve .....P..... Kent  
 \*Patterson, Arthur Ellsworth.....P..... Akron  
 Penrod, Bernice Lucille .....P..... Sterling  
 \*Reese, Thomas Edward .....S..... Akron  
 Rothenhoefer, Bessie .....P..... Chicago Junction  
 Schmidt, Eleanor .....P..... Canton  
 \*Schultz, Orlo B. ....S..... Ravenna  
 Seymour, W. Ruth .....P..... Akron  
 Townsend, Helen Louise .....P..... Akron  
 Tremelin, Myrl D. ....P..... Cuyahoga Falls  
 Wileox, Ralph J. ....S..... Akron  
 Youtz, Claremont D. ....P..... Akron

Sophomore—29

**FRESHMAN CLASS.**

Brown, Mabel M. ....P..... Tidioute, Pa.  
 Booth, Edwin W. ....S..... Akron  
 Buckman, Helen L. ....P..... Akron  
 Conner, Mary V. ....P..... Akron  
 Converse, Alice .....P..... Plain City  
 Converse, E. Mary .....P..... Mantua, Sta.  
 Cruickshank, James A. ....S..... Akron  
 Davison, P. C. ....S..... Akron  
 Eskesen, Lillian .....P..... Akron  
 Fehr, Celia .....P..... Warrensville  
 Fehr, Inez .....P..... Warrensville  
 France, Marjorie .....C..... Kent  
 Franks, Harry C. ....S..... Barberton  
 Fuchs, Fred .....S..... Akron  
 Geer, John H. ....S..... Akron  
 Gibbons, Leo .....S..... Akron  
 Ginther, Ralph B. ....P..... Akron  
 Grafton, Elvah H. ....S..... Barberton  
 Hanson, Frank W. ....S..... Akron  
 Hart, Montgomery L. ....S..... Akron  
 Herberich, Alfred .....P..... Akron  
 Herriff, Dene M. ....P..... Kent  
 Hirleman, Grace .....P..... Akron  
 Hitchcock, Fred A. ....P..... Akron  
 Jacobs, Ira .....S..... Akron  
 Kreider, Zella I. ....C..... Wadsworth  
 Laubach, Mabel .....P..... Akron  
 Lichtenwalter, Floyd .....S..... Akron

Manthey, Fred	S	Akron
Minor, Seth	S	Akron
Moody, Jeannette L.	P	Penninsula
Otis, Katharine L.	P	Akron
Pence, Lillian	P	Urbana
Pfeiffer, Raymond	S	Akron
Pittman, Naomi B.	P	Caledonia
Read, Fred K.	P	Akron
Roetzel, Cletus J.	P	Randolph
Rothenhoefer, Bertha	P	Chicago
Sladden, Lucille	P	Cleveland
Slaybaugh, D. Harrison	S	Akron
Stumpf, Edward F.	S	Barberton
Sullivan, Mae A.	P	Hudson
Thomas, Merthyn A.	P	Akron
Walker, Grover	C	Ravenna
Waltz, Raymond M.	S	Akron
Weltner, Dora M.	P	Cuyahoga Falls
Wirth, Franklin J.	C	Kenmore
Wolf, Frances	P	Akron
Wuchter, H. Charles	S	Akron

Freshman—49

**SPECIAL STUDENTS.**

Burnett, Mildred	Akron
Cassidy, Elizabeth	Akron
Haines, Harold	Le Roy
Hanks, Nellie	Akron
Holdstein, Max B.	Akron
Holton, Hamilton F.	e. Akron
Kerch, Frances	Akron
Knight, Helen	Akron
Miller, Eva I.	Akron
Miller, Margaret	Akron
Richards, Laila M.	Cuyahoga Falls
Steele, Lester H.	Cuyahoga Falls
Tanaka, Yutaka	Tsnyama, Japan
Tillson, Hallie	Akron
Williams, Charles E.	Akron

Special Students—15

# REGISTER OF STUDENTS OF BUCHEL ACADEMY.

1908-1909.

## FOURTH YEAR.

Alderfer, Walter ..... Sharon Center  
Carpenter, Adele Laurene ..... Akron  
Church, Evelyn ..... Akron  
Crissinger, Donna ..... Marion  
Fiebeger, Ruth Elevena ..... Akron  
Gilbert, Walter ..... Deerfield  
Keys, Chester ..... Atwater  
Lee, Ruth K. .... Akron  
Libis, Ethel ..... Akron  
Marvin, Helen Dorena ..... Akron  
Olin, S. Estella ..... Akron  
Rinehart, May ..... Akron  
Selden, Marie ..... Akron  
Seward, Martha ..... Akron  
Wanamaker, Laurine ..... Akron  
Fourth Year—15

## THIRD YEAR.

Arbogast, Hazel ..... Akron  
Dallinga, Charles ..... Akron  
Elwood, Mitchell ..... Peninsula  
Hall, Lloyd ..... Akron  
Jacobs, Huldah ..... Akron  
Miller, Ruth A. .... Barberton  
Roach, Alberta ..... Akron  
Sisler, Cassius ..... Minisila  
Tanner, Lucile ..... Akron  
Taylor, Raymond S. .... East Akron  
Thornton, Russell ..... Akron  
Wells, Harold B. .... Akron  
Wise, Daisy ..... Boston  
Third Year—13

## SECOND YEAR.

Blaser, Ailee Mary ..... Ira  
Cole, Winifred ..... Akron  
Currie, Bessie ..... Akron  
Foree, Wilbert ..... Tallmadge  
Habe, Lawrence ..... Cuyahoga Falls  
Hardy, Margery ..... Cuyahoga Falls  
Hays, J. Milo ..... Akron  
Hopkins, Gertrude C. .... Akron  
Joy, Josephine F. .... Akron  
Konrad, Charles ..... Akron  
Lloyd, Elsie W. .... Ira  
Miller, Elizabeth ..... Akron  
Rowe, Gertrude E. .... Akron  
Scott, Winifred ..... Cuyahoga Falls  
Sullivan, Julia ..... Hudson

Treap, Grace M. .... Peninsula  
 Waters, Mary Hyde ..... Akron  
 Wise, Myer ..... Akron  
 Woodbridge, Dwight ..... Barberton  
 Wright, Harriet B. .... Akron  
 Second Year—20

**FIRST YEAR.**

Anderson, Mildred ..... Akron  
 Anger, Clarence ..... Akron  
 Boley, Marcella ..... Akron  
 Briggs, Cameron Carl ..... Cleveland  
 Brinkman, V. Harley ..... Akron  
 Christy, Helen ..... Akron  
 Cole, Nellie ..... Akron  
 Cook, Celia ..... Akron  
 Deakin, Myrtle H. .... Akron  
 Gilcrest, Lois ..... South Akron  
 Hammond, Grace ..... Akron  
 Hart, Willard ..... Akron  
 Hartenstein, E. Hazel ..... Akron  
 Heer, Helen ..... Akron  
 Hull, Florence ..... Akron  
 Inskip, Marie ..... Akron  
 Inskip, Raymond ..... Akron  
 Jacobs, Harriet ..... Akron  
 Jenkins, S. Walter ..... Akron  
 Kile, Agnes ..... Akron  
 Klein, Mabel ..... Cuyahoga Falls  
 Kneifel, Lawrence ..... Kent  
 Knofler, Leone ..... Akron  
 Krause, Dwight ..... Akron  
 Leavitt, Thelma ..... Akron  
 McTammany, Ruth ..... Akron  
 Manton, Margaret ..... Akron  
 Marson, Marjorie ..... Akron  
 Mentzer, Claire E. .... Sherbondy  
 Miller, Guy E. .... Barberton  
 Musser, Philip ..... Akron  
 Neust, Florence C. .... Copley  
 Olin, Esther R. .... Akron  
 Raleigh, Francis ..... Cuyahoga Falls  
 Rankin, Fred ..... Akron  
 Rawson, Earl B. .... Akron  
 Roberts, Gladys ..... Akron  
 Rock, Hazel ..... Akron  
 Roth, Wilbur ..... Akron  
 Schumacher, Janet ..... Akron  
 Thomas, Harold ..... Cuyahoga Falls  
 Tobin, Dorothy M. .... Akron  
 Viall, Hannah G. .... Akron  
 Voris, Edwin F., Jr. .... Akron  
 \*Wadsworth, George Henry, Jr. .... Cuyahoga Falls  
 White, Burton M. .... Elba, N. Y.

\*Deceased.

Whitner, Lucile C. .... Akron  
 Wild, Harold ..... Cuyahoga Falls  
 Wilhelm, Edith ..... Akron  
 Woodbridge, Blythe ..... Barberton  
 Yerrick, Ethel K. .... Myersville  
 First Year—51

**SPECIAL STUDENTS.**

Arend, Geo. C. .... Akron  
 Blessman, Freda ..... Akron  
 Callin, Maland G. .... Akron  
 Campbell, Florence ..... Akron  
 Canfield, Hubert ..... Woodstock, Vt.  
 Costigan, Charles ..... Akron  
 Deakin, Ruth ..... Akron  
 Dobson, R. T., Jr. .... Akron  
 Dutt, Robt. D. .... Akron  
 Easton, Leonard ..... Akron  
 Emmitt, James ..... Tallmadge  
 Gall, Ruby E. .... Akron  
 Gilcrest, Frank ..... South Akron  
 Hill, Emerson ..... Kent  
 Horn, Arthur C. .... Cuyahoga Falls  
 Jones, W. Hermon ..... New Lebanon, Ind.  
 Kelley, B. Leo ..... Sidney  
 Kimmel, Elda ..... Rootstown  
 Kraus, Charles M. .... Akron  
 Logan, George M. .... Akron  
 Loomis, Harriet ..... Akron  
 Lytle, John M. .... Wadsworth  
 McAllister, James ..... Akron  
 McGarry, Arthur ..... Akron  
 Mankin, Clarence E. .... Wadsworth  
 May, Clarence N. .... Akron  
 Minor, Seth ..... Copley  
 Pence, Ruby G. .... Akron  
 Porter, Pearl ..... Everett  
 Rabe, Mary ..... Akron  
 Smith, Frank ..... Atlantic Mine, Mich.  
 Walton, J. Russell ..... Cuyahoga Falls  
 Watters, M. Aubrey ..... Akron  
 Whigam, James E. .... Barberton  
 Specials—34

**COLLEGE STUDENTS.**

Brown, Mabel ..... Tidioute, Pa.  
 Converse, Mary ..... Mantua  
 Fuchs, Fred ..... Akron  
 Swanson, Harriet ..... Grand Valley, Pa.  
 Wirth, Franklin J. .... Kenmore  
 College—5

**ART STUDENTS.**

**Academy Drawing Class.**

Anderson, Mildred ..... Akron  
 Briggs, Carl ..... Cleveland

Campbell, Florence	Bellefontaine
Carpenter, Adele	Akron
Gilcrest, Lois	Akron
Hammond, Grace	Akron
Hart, Williard	East Akron
Hale, Lawrence	Cuyahoga Falls
Jacobs, Harriet	Akron
Jenkins, Scott	Akron
Kile, Agnes	Akron
Klein, Mabel	Cuyahoga Falls
Krause, Dwight	Akron
Leavitt, Thelma	Akron
Marson, Marjorie	Akron
Mentzer, Claire	Sherbondy
Miller, Guy	Barberton
Musser, Philip	Akron
Neust, Florence	Copley
Olin, Esther	Akron
Raleigh, Francis	Cuyahoga Falls
Thomas, Harold	Cuyahoga Falls
Tobin, Dorothy	Akron
Voris, Edwin	Akron
Wadsworth, George	Cuyahoga Falls
Walton, Russell	Cuyahoga Falls
Woodbridge, Blythe	Barberton
White, Burton	Elba, N. Y.
Yerrick, Ethel	Myersville
Total—29	

**PRIVATE STUDENTS IN ART.**

Anderson, Ruth	Akron
Boley, Marcella	Akron
Cook, Celia	Akron
Heighton, Helen R.	Kent
Henry, Edna	Akron
Homeier, Ruth	Akron
Hopkins, Gertrude	Akron
Inskeep, Marie	Akron
Jones, Cyinthia	New Lebanon, Ind.
Kile, Agnes	Akron
Lattin, Elsie	Akron
Parthe, Mabel	Akron
Rabe, Mary	Akron
Sauder, Helen	Akron
Scott, Winifred	Cuyahoga Falls
Treap, Grace	Peninsula
Viall, Hannah	Akron
Warner, Delia	Akron
Total—18	

**MUSIC STUDENTS.**

**Piano.**

Bates, Mrs. George J.	Akron
Cassidy, Elizabeth	Akron
Church, Evelyn	Akron
Conner, Mary V.	Akron

\*Emmitt, Iris M. .... East Akron  
 Kerch, Frances ..... Akron  
 Knofler, Leone ..... Akron  
 Kraus, Dwight ..... Akron  
 Lee, Ruth K. .... Akron  
 Loomis, Harriet ..... Akron  
 Lyons, Mareta ..... Akron  
 Olin, S. Estella ..... Akron  
 Rowe, Gertrude E. .... Akron  
 Schaefer, Victor ..... Akron  
 Tinker, Albert ..... Akron  
 Wuchter, Ruth ..... Akron  
 Whitner, Lucile C. .... Akron

**Organ.**

Shirliff, Elsie ..... Kent

**Piano, Organ and Harmony.**

Ailes, Ruth M. .... Anna  
 Currier, Elizabeth ..... Akron  
 Wilhelm, Edith ..... Akron

**Piano and Harmony.**

Ball, Gretchen ..... Akron  
 Gall, Ruby ..... Akron  
 Whyte, A. Willa ..... Akron

**Organ and Harmony.**

Sauder, May ..... Akron

\*Deceased.

## SUMMARY.

1908-1909.

### COLLEGE STUDENTS.

Senior Class .....	18
Junior Class .....	18
Sophomore Class .....	29
Freshman Class .....	49
Special Students .....	15
Total College .....	—129
Classical Students .....	9
Philosophical Students .....	53
Scientific Students .....	52
Special Students .....	15
Men .....	69
Women .....	60

### ACADEMY.

Fourth Year .....	15
Third Year .....	13
Second Year .....	20
First Year .....	51
Special Students .....	34
College Students in Academy Classes .....	5
Total Academy .....	—138
Men (Exclusive of College Students) .....	60
Women (Exclusive of College Students) .....	73

### SCHOOL OF MUSIC.

Men .....	3
Women .....	22
Total .....	—25

### SCHOOL OF ART.

Academy Students in Drawing .....	29
Private Students .....	18
Total .....	— 47
Men .....	4
Women .....	43

	<b>339</b>
Number counted more than once .....	44
Total in all Departments .....	295

## DEGREES CONFERRED.

### CLASS OF 1908.

#### Bachelor of Arts.

ELIZABETH MEIKLE ROACH - - - - - Akron  
ETHEL MINERVA ROACH - - - - - Akron

#### Bachelor of Philosophy.

FRANK STURGEON GOEHRING - - - - - Akron  
DON SIDNEY REYNOLDS - - - - - Le Roy  
MABEL WILCOX - - - - - Cuyahoga Falls  
COTTIE PRUELLA SHUMAN - - - - - Akron  
LUCIAN LOOMIS KING - - - - - Akron  
CHARLES LEVI BULGER - - - - - Canton

#### Bachelor of Science.

JESSIE BUNKER, - - - - - Kent  
CARL METZ MYERS - - - - - Akron  
WALTER WELLINGTON PENROD - - - - - Sterling  
HEZZLETON ERASTUS SIMMONS - - - - - Le Roy  
HUGH M. SMITH - - - - - Sterling  
BEATRICE SUMNER - - - - - Akron  
MAC ALBERT SUMNER - - - - - Akron  
IRENE LUCRETIA TOMLINSON - - - - - Perry, N. Y.

Theses being elective, the titles are not announced.

### HONORARY DEGREES.

#### Doctor of Literature.

FRANK S. PIXLEY, Ph. B., '87 - - - - - Chicago, Ill.

#### Doctor of Humane Letters.

S. H. MCCOLLESTER, D. D., St. Lawrence University, 1874  
- - - - - Marlborough, N. H.

#### Doctor of Divinity.

REV. L. WALTER MASON - - - - - Pittsburg, Pa.

**BUCHTEL COLLEGE ALUMNI ASSOCIATION.**

Organized July, 1874.

Incorporated October 19, 1899.

**OFFICERS FOR 1908-1909.**

- President, PARKE R. KOLBE, '01.....Akron
- Vice-Presidents, E. A. PRIOR, '74.....Cuyahoga Falls
- MRS. C. W. MILLIKIN, '79.....Akron
- REV. C. N. CHURCH, '85.....Alliance
- J. ASA PALMER, '89.....Akron
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- MRS. G. H. BROWN, '00.....Avon Beach
- LUCRETIA HEMINGTON .....Huntington, Ind.
- Secretary, HALLIE TILLSON, '07.....Akron
- Treasurer, M. A. KNIGHT, '06.....Akron

**ALUMNI BOARD OF TRUSTEES.**

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**Term Expiring June, 1911.**

- CHAS. R. OLIN, '85.....Akron
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- FRANK GOEHRING, '08.....Akron
- IDA ROCKWELL, Ph. B.....Akron

**Term Expiring June, 1909.**

- E. B. FOLTZ, '96.....Akron
- P. R. KOLBE, '01.....Akron
- GLADYS PARSHALL, '03.....Akron
- BERTHA SCHOENINGER, '02.....Akron

**Term Expiring June, 1910.**

- MRS. SUSIE C. COLE, '73.....Akron
- MRS. JENNIE ROOD, '91.....Akron
- MISS EMILY HARPHAM, '96.....Akron
- J. ASA PALMER, '89.....Akron

Annual meeting of the Association, June 16, 1909, 3 P. M.

Stated meetings of the Board of Trustees, June 17, 1909; November 18, 1909, February 17, 1910; May 19, 1910.

## **PRIZES.**

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### **THE ALUMNI PRIZES.**

Awarded for excellence in scholarship.

1907-1908.

In Senior Preparatory Class to Katharine Louise Otis.  
In Freshman Class to Bess Rothenhoefer and Eleanor Schmidt.  
In Sophomore Class to Agnes Tomlinson.  
In Junior Class to Honor Fouch.

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### **THE OLIVER C. ASHTON PRIZES.**

Awarded for excellence in declamation.

1907-1908.

In the Junior Class: First prize to Ford L. Carpenter; and second prize to Cecil McNeil.

1908-1909.

In Sophomore Class: First prize to Eleanor Schmidt, and second prize to Hazel Minor.

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Junior contest held after date of publication.

In Senior Class: First prize to Cecil McNeil, second prize to Marie Simmons.

## DONATIONS.

From April 16, 1908 to March 13, 1909 the College has received the following contributions:

### SOPHIA KNIGHT McCOLLESTER FUND.

Dr. S. H. McCollester, of Marlboro, N. H., first President of the College, has established the above fund in the sum of \$1,000 for the benefit of the Library of the Knight Chemical Laboratory.

### SALARY FUND.

Mrs. Eva. D. Greenwood, of Marlboro, N. H., and Mrs. Lillian Hunter of Tidioute, Pa., have each contributed \$1,500 for the purpose of increase of salaries.

### FLAG POLE.

The Class of 1906 presented the College with an 80 foot iron flag pole which has been set up on the campus near Buchtel Hall.

### FLAG.

Mr. Louis Annin Ames, of New York City, presented a 20 foot flag made of standard U. S. bunting.

### ALUMNI PRIZE FUND.

At the solicitation of the Alumni Association new contributions to this fund have been received from J. Asa Palmer, '89, H. W. Kennedy, '95, and W. P. Putnam, '93.

### LIBRARY BOOK FUND.

At the solicitation of the Alumni Association contributions for binding and purchase of books and periodicals have been received from,—H. A. Kelly '79, E. A. Prior '74, Robt. J. Osborne '93, A. I. Spanton '99, J. Asa Palmer '89, Thad W. Rice '97, Adele Miller '03, A. W. Maynes '87, W. P. Putnam '93, H. W. Kennedy '95, Rev. C. F. Henry '91, Hazel Smith '07, Susie C. Cole '73, Miss Lucy J. Cobb and Frank A. Welton '04. Also other contributions for this same purpose have been received from Thos. Rhodes, Akron; Elmina Bessie, of Delaware, Ohio, and Col. Geo. T. Perkins, of Akron.

### Gifts to the Library.

Name.	No. Vols.
Akron Public Library .....	4
American Bar Association .....	2
Prof. C. C. Bates, bequest .....	300
Dr. A. B. Church .....	6

Name.	No. Vols.
Columbia University .....	1
W. B. Doyle .....	1
Miss Rena B. Findley .....	23
Dr. E. B. Foltz .....	50
Rev. F. M. Green .....	1
Hon. Andrew L. Harris .....	1
Halbert Hitchcock .....	6
J. H. Howard .....	1
Mrs. H. H. Jacobs .....	5
Dr. C. M. Knight .....	6
Prof. P. R. Kolbe .....	1
Rev. E. G. Mason .....	25
National Education Association .....	1
New Jersey State Board of Health .....	1
New York—Agricultural Experiment Station .....	5
New York—State Education Department .....	10
Oberlin College Library, on exchange account .....	62
Ohio Bureau of Labor Statistics .....	1
Ohio Geological Survey .....	1
Ohio State Board of Health .....	1
Miss Inez Parshall .....	1
Railway News Bureau .....	1
George Lansing Raymond .....	1
Religious Education Association .....	1
St. Mary's Falls Canal Semi-Centen. Com. ....	1
Class of 1908, Buchtel .....	2
Smithsonian Institution .....	3
Rev. Irving C. Tomlinson .....	7
United Engineering & Foundry Co. ....	1
U. S. Government .....	23
University of Pennsylvania .....	2
<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>	
Total .....	558

Special mention should be made of the gift of the private library of the late Professor Charles Clements Bates. This collection adds greatly to the department of Latin and Greek.

And also of the gift by Edwin F. Voris, class of '75, from the private library of his father, the late Gen. A. C. Voris, of a complete set of the Official Records of the Union and Confederate Armies of the War of the Rebellion, consisting of 129 volumes.

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