THIRTY-SIXTH

ANNUAL CATALOGUE

OF

BUCHTEL COLLEGE

AND

ACADEMY

FOR THE YEAR
1906-1907

AKRON : OHIO

PUBLISHED BY THE COLLEGE, APRIL, 1907.

BUCHTEL COLLEGE

AND

ACADEMY

Founded in 1870 by the
OHIO UNIVERSALIST CONVENTION

Named in honor of
HON. JOHN R. BUCHTEL

CO-EDUCATIONAL **NON-SECTARIAN**

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

CALENDAR.

1907.

February 4, Monday, 9 A. M.—Second Half-Year begins. Registration and Classification.
February 5, Tuesday, 8 A. M.—Class Work resumed.
March 13, Wednesday, 9:30 A. M.—Mid-Year Meeting of Board of Trustees.
March 15, Friday, 7:30 P. M.—Sophomore Ashton Prize Speaking.
March 30-April 8, Saturday to Monday, inclusive—Easter Recess.
May 17, Friday—Tree Holiday.
May 31, Friday, 4:15 P. M.—Senior Vacation begins.
June 14, Friday, 8 P. M.—Graduating Exercises of the Academy.
June 16, Sunday, 2:30 P. M.—Baccalaureate Services and Sermon.
June 17, Monday—Class Day; at 8 P. M. Senior Promenade.
June 18, Tuesday, 9:30 A. M.—Annual Meeting of Board of Trustees.
June 18, Tuesday, 2:30 P. M.—Junior Ashton Prize Speaking.
June 18, Tuesday, 8 P. M.—Alumni Social Reunion and Banquet.
June 19, Wednesday, 9:30 A. M.—Commencement Address and Conferring of Degrees.
June 19, Wednesday, 2 P. M.—Annual Business Meeting of Alumni Association.
June 19, Wednesday, 8 P. M.—President's Reception.
June 19 to September 16—Summer Vacation.
September 16, Monday, 1:30 P. M.—First half-year of College and Academy begins. Local registration and classification.
September 17, Tuesday, 9 A. M.—Registration and Classification of foreign students.
September 18, Wednesday, 7:45 A. M.—Regular Class Work begins.
November 22, Friday, 7:30 P. M.—Senior Ashton Prize Contest.
November 27-December 1, Thursday to Sunday, inclusive, Thanksgiving Recess.
December 20, Friday, 4:15 P. M.—Christmas Recess begins.

1908.

January 2, Thursday, 7:45 A. M.—Class Work will be resumed.
January 18, Saturday—Founder's Day.
January 23, Thursday, 4:15 P. M.—First Half-Year closes.
January 27, Monday—Second Half-Year begins. Registration and Classification.
January 28, Tuesday, 7:45. A. M.—Class Work begins.
March 11, Wednesday, 9:30 A. M.—Mid-Year meeting of Board of Trustees.
March 13, Friday, 7:30 P. M.—Sophomore Ashton Prize Speaking.
April 11, Saturday, to April 28, Monday, inclusive—Easter Recess.
May, Friday—Tree Holiday.
June 5, Friday, 4:15 P. M.—Senior Vacation begins.
June 12, Friday, 8 P. M.—Graduating Exercises of Academy.
June 14, Sunday, 2:30 P. M.—Baccalaureate Services and Sermon.
June 15, Monday, A. M.—Senior Class exercises; 8 P. M.—Senior Promenade.
June 16, Tuesday, 9:30 A. M.—Annual Meeting of Board of Trustees.
June 16, Tuesday, 2:30 P. M.—Junior Ashton Prize Speaking.
June 16, Tuesday, 8 P. M.—Alumni Social Reunion and Banquet.
June 17, Wednesday, 9:30 A. M.—Commencement Address and Conferring of Degrees.
June 17, Wednesday, 2 P. M.—Annual Business Meeting of Alumni Association.
June 17, Wednesday, 8 P. M.—President's Reception.

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I. A. PRIEST, D. D.....1897-1901
A. B. CHURCH, D. D., LL. D.....1901-

*Deceased.

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286 Carroll Street

HAZEL SMITH,
Assistant in Biology
99 Good Street

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Assistant in English
484 Carroll Street

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1906-07.

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PROFESSORS KNIGHT, OLIN, BIEFELD AND PRINCIPAL RUNDELL

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

*Miss E. V. Steadman.....Marietta
*James Pierce.....Sharpsville, Pa.
*Elijah Drury.....Girard, Pa.
Mrs. Mary C. Martin.....Lebanon
*James F. Davidson.....Brimfield
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*John Perdue.....Lafayette, Ind.
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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 55,000, 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 pleasantest 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 seven buildings on the campus, these being only the beginning of the prospective quadrangle of the Greater Buchtel.

Owing to the fire of 1899 the college 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.

BUCHTEL ACADEMY.

The Academy is designed for the convenience of the Preparatory, Oratory 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 Mechanical Drawing.

FIRE PROOF.

These two new buildings are fire-proof and have the heating, ventilating and sanitary arrangements 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.

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.

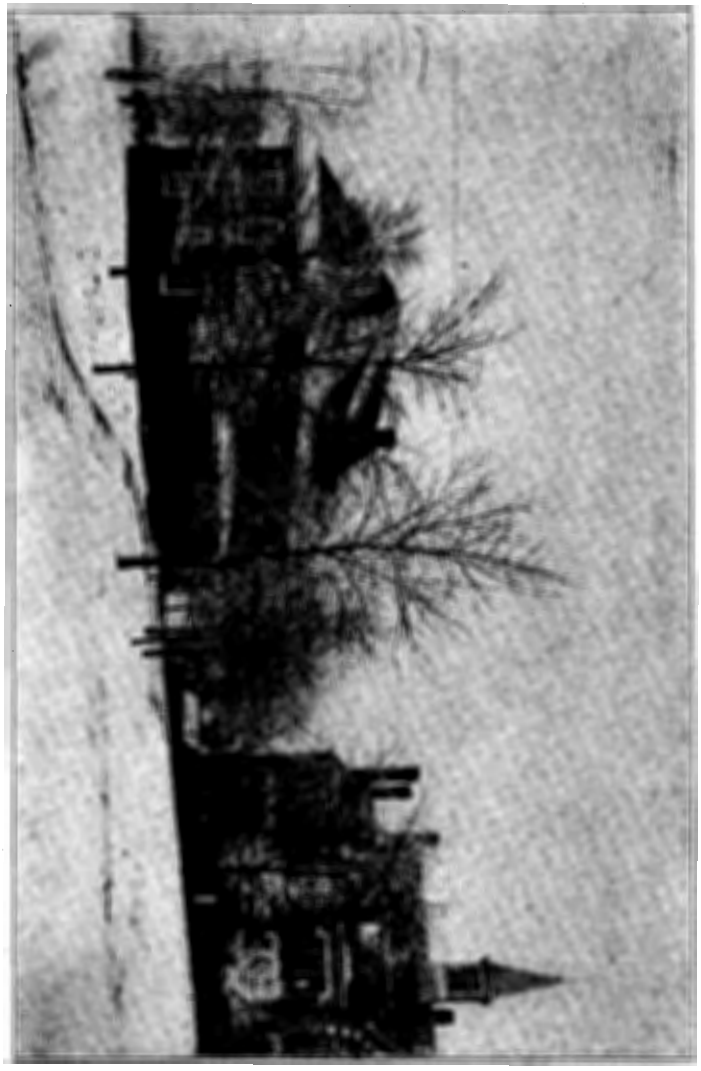
The Cottage is in charge of a preceptress of culture and school experience, and provides, at a moderate expense, a home for women students, which is most modern and sanitary in all of its appointments, convenient and comfortable in its arrangements, and delightful and elevating in its social life.

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.



CURTIS COTTAGE

stuff has been rearranged since the fire of 1899 for use as chemical laboratories consisting of five rooms. A general

laboratory for the use of students during the first year of work in chemistry has been fitted with all modern facilities. Drainage, gas, hot and cold water, and all necessary apparatus, are at each student's desk. The students pursuing quantitative methods have ample room and opportunities for the more refined and careful researches in a laboratory by themselves, undisturbed by other workers. The ventilation of the laboratories is good, special wall flues carrying off noxious vapors.

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. The whole Library is practically one of reference, as students have access to the shelves at all hours of the day. Books may also be drawn by students, professors, and officers, in accordance with the regulations, for use outside of the Library.

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.

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 sys-

tematic 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 ASSOCIATION.

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.

LITERARY AND DEBATING CLUB.

A Literary and Debating Club is organized among the students.

Regular meetings are held for the discussion and debating of topics of current interest. Often public debates are held with neighboring societies and colleges.

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 connection 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.

The presentation of a thesis showing original research by the student is necessary 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 resi-

dence, 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 college year's work in each of any two subjects to be chosen by himself, one of these to be known as Major and the other as Minor.

In the Minor, the work may be partly 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.

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.

PENDLETON 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 12 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.

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 conditions which may be learned on application to the President of Buchtel College.

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
TWO STUDIES—Each half-year	16.00
ONE STUDY—Each half-year	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
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

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 page 82, and address the **Principal**, or Pres. A. B. Church.

MUSIC AND ART.

For details of expenses see pages 96 and 97.

BUCHTEL COLLEGE

FACULTY, INSTRUCTORS AND OFFICERS
1906-1907

COLLEGE.

A. B. CHURCH, D. D., LL. D.,
PRESIDENT
Messenger-Professor of Mental and Moral Philosophy

CHARLES M. KNIGHT, A. M., Sc. D.,
Buchtel-Professor of Physics and Chemistry

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

CHARLES BROOKOVER, M. S.,
Professor of Natural Science
SECRETARY OF THE FACULTY

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 Modern Languages

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

PAUL BIEFELD, A. M., Ph. D.,
Ainsworth-Professor Mathematics and Astronomy

CHARLES R. OLIN, B. S.,
Instructor in Mechanical Drawing

ANNA M. RAY AND LOUISE FORSYTH
Instructors in Oratory and Physical Culture for Young Women

HEZZLETON SIMMONS,
Assistant in Chemistry

CHARLES BULGER,
Assistant in German

HAZEL SMITH,
Assistant in Biology

AMY L. SAUNDERS, B. S.,
Assistant in English

HALLIE TILLSON,
Librarian

BUCHTEL HALL

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 certificates 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 advance 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.

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 accomodated. 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 Gym. Drill shall count as one term hour.

3. The graduating theses, if presented, shall be taken in the subject chosen as the student's major and shall count for two term hours, if carried 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. 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.

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

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

10. 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.

11. 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.

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

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

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

Omitted Work and Conditions.

15. All omitted work occasioned by absence from class each month must be made up satisfactory to the teacher by the middle of the succeeding month, except the last month of the term, when work will close with the term. If not made up the omitted work will stand against the student as a condition in that subject.

16. Except by special arrangement conditions are not to be made up during the term, but at a time appointed by the teacher in charge at the end of the term, and a fee of one dollar must be paid by the student at the College office for each such privilege. All conditions not so removed will constitute a failure and the subject must be taken over in class.

17. An absence to be excused must be explained to the professor in charge on the student's first reappearance in class.

18. Six unexcused class absences subjects the student to exclusion from that class for the term by the President. Readmission can be gained by vote of the faculty only.

Chapel Absences.

19. 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.

Senior Conditions.

20. 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.)

CLASSICAL COURSE.

The candidate must present:

English (page 37) ..... 3 units
Mathematics (page 38) ..... 3 units
Latin (page 39) ..... 4 units
General History (page 42) ..... 1 unit
Elective (from the subjects on pages 39 and 42) ..... 4 units

PHILOSOPHICAL COURSE.

The candidate must present:

English (page 37) ..... 3 units
Mathematics (page 38) ..... 3 units
Foreign Languages (page 39) ..... 4 units
History, General (page 42) ..... 1 unit
Elective (from the subjects on pages 39 and 42) ..... 4 units

SCIENTIFIC COURSE.

The candidate must present:

English (page 37) ..... 3 units
Mathematics (page 38) ..... 3 units

Foreign Languages (pages 39 to 41).....4 units
Sciences (page 41) [1 unit must be Chemistry or Physics] 2 units
Elective (from the subjects on pages 39 and 42).....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 45.

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 39) .....½ unit
Botany (page 42) .....½ unit
Chemistry (page 41) .....1 unit
Civics (page 42) .....½ unit
History, General (page 42) .....1 unit
History, English (page 42) .....½ unit
History, Advanced U. S. (page 42) .....½ unit
Physics (page 41) .....1 unit
Physical Geography (page 42) .....½ unit
Physiology (page 42) .....½ unit
Zoology (page 41) .....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 1906, 1907, 1908.

Required for Careful Study:—Burke's "Speech on Conciliation with America," Macaulay's "Essay on Addison," Macaulay's "Essay on Johnson," Milton's "Minor Poems," Shakespeare's "Julius Caesar."

Required for General Reading:—Addison's "The Sir Roger de Coverly Papers," Coleridge's "The Ancient Mariner," Eliot's "Silas Marner," Irving's "Life of Goldsmith," Lowell's "Vision of Sir Launfal," Scott's "Ivanhoe," Scott's "Lady of the Lake," Shakespeare's "Macbeth," Shakespeare's "Merchant of Venice," Tennyson's "Gareth and Lynette," "Lancelot and Elaine," and "The Passing of Arthur."

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 at least four 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 vulgar 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 equations, simultaneous quadratics, binominal 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 are 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.

Beginners' Lessons in Greek. 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 beginner's 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 Hoeher 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 beside 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 Edgren (short course). 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. ½ 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. ½ 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. ½ 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. ½ 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. ½ 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. ½ Unit.

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

Civics. ½ Unit.

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

ASTRONOMICAL OBSERVATORY

REQUIRED AND ELECTIVE COURSES

REQUIRED STUDIES.

1906-1907.

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 or American History	3	*Mathematics II or English XIV	3
Biology I or Chemistry I.	3	Biology II or Chemistry II.	3
Rhetoric I	3	Rhetoric II	3
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 or American History	3	*Mathematics II or English XIV	3
Biology I or Chemistry I.	3	Biology II or Chemistry II.	3
Rhetoric I	3	Rhetoric II	3
Gymnasium	1	Gymnasium	1

SCIENTIFIC COURSE.

First Half-Year	Term Hrs.	Second Half-Year	Term Hrs.
English I	3	English II	3
German I	4	German II	4
Mathematics I	3	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.

Leading to the A. B. Degree.

Major	Required Minor, Term Hrs.	Prerequisite Entrance Requirement.
I. Greek. (See page 61.)	Science .....6 English .....6 Philosophy, or Logic and Economics...6	Latin .....4 units General History ..1 unit
II. Greek and Latin. (See pages 59 to 61.)	(Same as Major I.)	(Same as Major I.)

Leading to the Ph. B. Degree.

III. Latin. (See page 59.)	(Same as Major I.)	Latin .....4 units
IV. German and French. (See page 55.)	(Same as Major I.)	
V. Philosophy and Economics. (See page 76.)	Science .....6 English .....6 Foreign Language..6	General History ..1 unit
VI. English. (See page 69.)	Science .....6 English History ...6 Philosophy, or Logic and Economics ..6	
VII. English and Oratory. (See page 69.)	(Same as Major VI.)	

Leading to the B. S. Degree.

VIII. Chemistry and Physics. (See page 51.)	English .....6 Natural Science....6 Philosophy, or Logic and Economics ..6	
IX. Natural Science (See page 72.)	English .....6 Chem. or Physics..6 Philosophy, or Logic and Economics ..6	
X. Geology and Chemistry (See page 72.)	English .....6 Physics .....6 Philosophy, or Logic and Economics ..6	
XI. Mathematics. (See page 66.)	English .....6 Science .....6 Modern Language, or Philosophy, or Logic and Economics 6	Physics ...1 unit
XII. Mathematics and Physics (See page 66.)	(Same as Major XI.)	Physics ...1 unit
XIII. Mathematics and Astronomy (See page 66.)	(Same as Major XI.)	Physics ...1 unit

SCHEDULE OF CLASSES. First Half-Year, 1907-1908.

Mo.	Tu.	We.	Th.	Fr.	Sa.
		7:35 to 8:40.			
Psychology I.	Amer. Hist.	Psychology I.	Amer. Hist.	Psychology I.	Amer. Hist.
Latin III.	Latin I.	Latin III.	Latin I.	Latin III.	Latin I.
English XIII.		English XIII.		English XIII.	
Zoology I.	Hist. of Zoology.	Zoology I.	Hist. of Zoology.	Zoology I.	
French I.	German IX.	French I.	German IX.	French I.	
Math. IX.	Math. III.	Math. IX.	Math. III.	Math. IX.	Math. III.
		8:40 to 9:35.			
Physics I.	Physics V.	Physics I.	Physics V.	Physics I.	
Ethics I.	Economics III.	Ethics I.	Economics III.	Ethics I.	
Greek V., VII.	Greek Sculpt.	Greek V., VII.	Greek Sculpt.	Greek V., VII.	Latin IX.
English I. a.	English I. b.	English I. a.	English I. b.	English I. a.	English I. b.
Geology	Botany I.	Geology.	Botany I.	Geology.	
German VII.	French III.	German VII.	French III.	German VII.	
Math I. b.	Math. I. a.	Math. I. b.	Math. I. a.	Math. I. b.	
Oratory I.	Oratory III.	Oratory I.	Oratory III.	Oratory I.	Math. I. a.
		9:35 to 10:30.			
Physics III.	Physics V.	Physics III.	Physics V.	Physics III.	
History I.	Logic	History I.	Logic	History I.	
Greek I.	Greek I.	Greek I.	Greek I.		
English III.	English V.	English III.	English V.	English III.	
			Biology I. a.		
German I.	German I.	German I.	German I.	German XI.	
Math. V.	Math. VII.	Math. V.	Math. VII.	Math. V.	Math. VII.
		10:30 to 11:25.			
Chem. I. b.	Chem. V.	Chem. I. a.	Chem. V.	Chem. I. b.	
Economics I.		Economics I.		Economics I.	
Latin V., VII.	Latin XI., XIII.	Latin V., VII.	Latin XI., XIII.	Latin V., VII.	
English IX.	English VII., XI.	English IX.	English VII., XI.	English IX.	
Histology.	Biology I. a & b.	Histology.	Biology I. a.		
German III.	German V.	German III.	German V.	German III.	
Astronomy I.	Astronomy III.	Astronomy I.	Astronomy III.	Astronomy I.	Astronomy III.
		11:25 to 11:45.			
		CHAPEL.			
		1:00 to 2:45.			
Chem. I. c.	Chem. I. c.	Chem. I. b.	Chem. I. c.	Chem. I. a.	
		2:45 to 4:30			
Chem. III.	Chem. V.	Chem. III.	Physics I.	Chem. III.	
		1:00 to 2:45.			
Biology I. a.	Biology I. b.	Zoology I.	Biology I. b.	Botany I.	
		2:45 to 4:30.			
		Zoology I.		Botany I.	

Mo.	Tu.	We.	Th.	Fr.	Sa.
Psychology II.	History III.	Psychology II.	History III.	Psychology II.	
Latin IV.	Latin II.	Latin IV.	Latin II.	Latin IV.	Latin II.
English XIV.		English XIV.		English XIV.	
Zoology II.	Embryology.	Zoology II.	Embryology.	Zoology II.	
French II.	German X.	French II.	German X.	French II.	
Math. X.	Math. VIII.	Math. X.	Math. VIII.	Math. X.	Math. VIII.
		8:40 to 9:35.			
Physics II.		Physics II.		Physics II.	
Ethics II.	Economics II.	Ethics II.	Economics II.	Ethics II.	
Greek VI., VIII.	Greek Sculpt.	Greek VI., VIII.	Greek Sculpt.	Greek VI., VIII.	Latin X.
English II. a.	English II. b.	English II. a.	English II. b.	English II. a.	English II. b.
Geology.	Physiology.	Geology.	Physiology.	Geology.	
German VIII.	French IV.	German VIII.	French IV.	German VIII.	
Math. II. b.	Math. II. a.	Math. II. b.	Math. II. a.	Math. II. b.	Math. II. a.
Oratory II.	Oratory IV.	Oratory II.	Oratory IV.	Oratory II.	
		9:35 to 10:30			
Physics IV.	Chem. VI.	Physics IV.	Chem. VI.	Physics IV.	
History II.	Argumentation.	History II.	Argumentation.	History II.	
Greek II.	Greek II.	Greek II.	Greek II.		
English IV.	English VI.	English IV.	English VI.	English IV.	
				Biology II. a.	
German II.	German II.	German II.	German II.	German XII.	
Math. VI.	Surveying.	Math. VI.	Surveying.	Math. VI.	Surveying.
		10:30 to 11:25.			
Chem. II. b.		Chem. II. a.		Chem. II. b.	
Economics IV.	Economics V.	Economics IV.	Economics V.	Economics IV.	
Latin VI., VIII.	Latin XII., XIV.	Latin VI., VIII.	Latin XII., XIV.	Latin VI., VIII.	
English X.	English VIII., XII.	English X.	English VIII., XII.	English X.	
Botany II.	Biology II. a & b.	Botany II.		Biology II. a.	
German IV.	German VI.	German IV.	German VI.	German IV.	
Astronomy II.	Astronomy IV.	Astronomy II.	Astronomy IV.	Astronomy II.	Astronomy IV.
		11:25 to 11:45.			
		CHAPEL.			
		1:00 to 2:45.			
Chem. I. c.	Chem. I. c.	Chem. II. b.	Chem. I. c.	Chem. II. a.	
		2:45 to 4:30.			
Chem. IV.	Chem. V.	Chem. IV.	Physics II.	Chem. IV.	
		1:00 to 2:45.			
Biology II. a.	Biology II. b.	Zoology II.	Biology II. b.	Botany II.	
		2:45 to 4:30.			
		Zoology II.		Botany II.	
		1:00 to 4:00.			
Mech. Dr. II.	Mech. Dr. II.		Mech. Dr. II.		

DEPARTMENTS OF INSTRUCTION.

MENTAL AND MORAL PHILOSOPHY.

PRESIDENT CHURCH.
PROFESSOR OLIN, INSTRUCTOR.

For requirements in this department see statement of Majors and Minors page 45.

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., Fri., 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 thereotical 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 thereotical 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.

LOGIC.

PROFESSOR OLIN.

I. Logic. (First Half-Year.)—Tu., Th., 9:35. (two term hours.) The text-book, Jevon's Advanced Logic. Any other logic is good for reference, 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 analyzes 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 inductive and deductive reasoning are fundamental to all other studies.

Argumentation and Debate.—(Second Half-Year.)—Tu., Th., 9:35. (two term hours.)

References will be made to Baker and Huntington's "Principles of Argumentation," Alden's "Art of Debate," Perry's "Argumentation," and other standard works. This elective is designed to apply the principles of Logic and of Rhetoric, with emphasis

upon the Logic side. It deals with methods of proof, the nature, value, form, and order of arguments, the difference in methods for convincing and for refuting, etc.

A special feature of the course will be practice in Debating and frequent opportunities for impromptu discussion. Open to all who have taken Logic.

PHYSICAL SCIENCE.

PROFESSOR KNIGHT.
CHAS. H. SHIPMAN, INSTRUCTOR.
HEZZLETON SIMMONS, ASSISTANT.

COURSES IN CHEMISTRY.

Students selecting a major in Chemistry and Physics should consult the head of the department of Physical Science.

A suggested line of work is Chemistry III. and IV., Quantitative Analysis; V. and VI., Organic Chemistry; together with Physics I., II., III. and IV., covering Mechanics, Sound, Heat, Light and Electricity. It would make the physics course much more complete, if an additional three term hours were taken in the Applications of Electricity.

I. (a) **General Chemistry.—(First Half-Year.)**—Three hours per week. We., 10:30; Fr., 1:00 to 2:45. (Two 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.

I. (c) **General Chemistry.—(First Half-Year.)**—Five hours per week. Mo., Tu., Th., 1:00 to 2:45. (Three term hours.) This course is offered to Sophomores for the college year, 1907-'08, and is arranged for those beginning, as well as those who have pursued the study for a year in preparatory course.

II. (a) General Chemistry.—(Second Half-Year.)—Three hours per week. We., 10:30; Fr., 1:00 to 2:45. (Two 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.

II. (c) General Chemistry.—(Second Half-Year.)—Five hours per week, Mo., Tu., Th. 1:00 to 2:45. (Three term hours.) Inorganic Preparations. This course is offered to Sophomores who have covered course I. c., and is only for the college year, 1907-'08.

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.

[On account of a change in the courses of study, there will be no class in qualitative analysis during 1907.]

III. Quantitative Analysis; gravimetric and volumetric. —(First 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.

IV. Quantitative Analysis.—(Second Half-Year.)—Six hours per week, Mo., We., Fr., 2:45 to 4:30. (Three term hours.) There will be technical analyses, such as the examination of coal; limestone; water; milk and foods, for adulterations.

V. **Organic Chemistry.—(First Half-Year.)**—Four hours per week. Tu., Th., 10:30; Tu., 2:45 to 4:30. (Three term hours.) Open to students who have taken courses I. and II.

VI. **Organic Chemistry.—(Second Half-Year.)**—Four hours per week. Tu., Th., 9:35; Tu., 2:45 to 4:30. (Three term hours.) Open to students who have taken course V. Attention will be given to industrial applications, such as preservation of woods, manufacture of smokeless powder, artificial silk and other useful processes.

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.

COURSES IN PHYSICS.

The courses in physics presuppose, as preparation, a year of elementary physics, a year of chemistry and mathematics through analytical geometry. They include recitations and laboratory practice, together with readings from scientific journals, and cover mechanics, sound, heat, light and electricity. A simple exposition of the experimental facts of these branches is first undertaken, followed by theoretical discussions to show the connection of their principles and to bring out their common relation to the doctrine of the conservation of energy. Lectures and topic reading present the recent advances of Physical Science, and point out the practical application of its principles. Quantitative determinations in the laboratory are required in all parts of the course. The subject

of Photography, including its various applications in the sciences and arts, is taught by lectures and practical work.

Students are required to become familiar with the projecting lantern, as an instrument of demonstration in the lecture room, and in general, to perform with their own hands all experimental illustration. The apparatus is all new and for the most part quantitative. The class room and laboratory work is supplemented by frequent visits to manufacturing plants, to study the application of physical principles in machinery and other agents.

I. **Mechanics, Pneumatics and Wave Motion.—(First Half-Year.)**—Four hours per week. Mo., We., Fr., 8:40; Th., 2:45 to 4:30. (Three term hours.)

Extra laboratory hours required. Problems are given and readings from scientific journals required.

II. **Sound, Light and Photography.—(Second Half-Year.)**—Four hours per week. Mo., We., Fr., 8:40; Th., 2:45 to 4:30. (Three term hours.) Open to students who have finished course I.

Recitations, lectures and laboratory practice. The months of May and June are given to the practice of photography. Light is introduced early in the physics course to aid students intending to elect Astronomy.

III. **Heat and Magnetism.—(First Half-Year.)**—Four hours per week. Mo., We., Fr., 9:35. (Three term hours.) Extra hours in laboratory practice required. Open to students who have taken course I.

IV. **Electricity.—(Second Half-Year.)**—Six hours per week. Mo., We., Fr., 9:35. (Three term hours.) Extra hours in laboratory practice required. Open to students who have taken courses I. and III.

V. **Electricity and Its Applications.—(First Half-Year.)**—Four hours per week. Tu., Th., 8:40 to 10:30. (Three term hours.) Open to students who have completed course IV.

There will be recitations, lectures and laboratory practice. Frequent visits will be made to various manufactories where electricity is developed and applied. In this course, a practical study will be undertaken of the applications of the electric current to the telegraph, telephone, electric light and transmission of power.

MODERN LANGUAGES.

GERMAN.

PROFESSOR KOLBE.

MR. BULGER, ASSISTANT.

It is commonly conceded that to the average American student of the modern languages, German is the most important; consequently a large place is assigned to it. 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. From the beginning, the German language is used in the class room as the medium of teaching German. This well-tested method has yielded, during the many years of its use, very satisfactory results to all students who put forth proper efforts. Thus, 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 this department should be taken by those who enter unprepared in German and French. For those who have studied these languages in secondary schools, a personal conference with the instructor will be found necessary in planning major work.

Freshman Year.

Ger. I. and II. (as required) 8 hrs.
Fr. I. and II. (as required) 6 hrs.

Sophomore Year.

Ger. III. and IV. (elective) 6 hrs.
Ger. V. and VI. (elective) 4 hrs.
Fr. III. and IV. (elective) 4 hrs.

Junior Year.

Ger. VII. and VIII. (elective) 6 hrs.

Senior Year.

Ger. IX. and X. (elective) 4 hrs.
Ger. XI. and XII. (elective) 2 hrs.

This plan gives the student 26 hours of modern language work after the Freshman required year. Care should, of course, be used to plan for all required minor studies as early as possible after the Freshman year.

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. Fables and poems from Carruth's German Reader. Simple conversation.

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

Review of grammar; rapid oral translation of all English sentences into German; Storm's Immensee; Hillern's Hoeher als die Kirche; Gerstaeker's Germelshausen.

III. (First Half-Year.)—Mo., We., Fr., 10:30. (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 grammar review (Joynes-Meissner), prose composition and reading of easier prose or poetical works. First text, Das Habichtsfraulein.

IV. (Second Half-Year.)—Mo. We., Fr., 10:30. (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.

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., 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. and IV. are required of all students taking a major in the modern langauge department, unless excused by special permission of

instructor. The work will consist of lectures, dictated in German, on the history of German literature, and of readings of somewhat more advanced nature than those of courses III. and IV.

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.

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 Schiller, Lessing, or Goethe; also, if time permits, one of the modern writers, such as Wildenbruch or Sudermann will be studied.

First text, Schiller's Maria Stuart.

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. Some time will also be given to a practical study of German daily life—its customs and vocabulary.

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 Schiller's "Don Karlos."

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

This course follows immediately upon course IX. The subject will be Goethe's "Faust."

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

This course is open to students 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 XI. 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; a historical study of German grammar.

XII. (Second Half-Year.)—Fr., 9:35. (One term hour.) See conditions for Course XI.

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

FRENCH.

PROFESSOR KOLBE.

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

Edgren's Grammar; written grammar exercises from English into French; Super's Reader.

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

Review of grammar; special drill on irregular verbs; prose composition; Musset's Pierre et Camille; La Brete's Mon Oncle et mon Curé.

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

Racine's Phèdre; Merimee's Colomba; prose composition.

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

Corneille's Le Cid; Sand's La Mare au Diable; selected short stories by modern authors; dictation and prose.

LATIN.

PROFESSOR ROCKWELL.

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

The elective courses for 1907-1908 are III. and IV., VII.-XIV.

Twenty-four hours elected above the 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. or XIII. and XIV. (Four hours.)

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

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

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

Students may combine courses in both Latin and Greek to constitute a major.

I. **Cicero (De Senectute); Plautus (Mostellaria).—(First Half-Year.)**—Tu., Th., Sa., 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.)**—Tu., Th., Sa., 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., 7:45. (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., 7:45. (Three term hours.)

V. **Roman Elegiac Poetry.—(First Half-Year.)**—Mo., We., Fr., 10:30. (Three term hours.) Not given in 1907-1908.

VI. **Cicero. Selected Letters.—(Second Half-Year.)**—Mo., We., Fr., 10:30. (Three term hours.) Not given in 1907-1908.

VII. Tacitus (Annals XI.-XVI.); Suetonius (Claudius and Nero.)—(First Half-Year.)—Mo., We., Fr., 10:30. (Three term hours.) Open to students who have completed III. and IV.

VIII. Juvenal (Selected Satires); Martial (Selected Epigrams).—(Second Half-Year.)—Mo., We., Fr., 10:30. (Three term hours.)

IX. Latin Prose Composition.—(First Half-Year.)—Sat. 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.)—Sat., 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., 8:40. (Two term hours.)

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., 8:40. (Two term hours.) Continuation of Course XIII.

GREEK.

PROFESSOR ROCKWELL.

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

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. **White's First Greek Book.—(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., Sa., 8:40. (Four term hours.)

IV. **Homer (Iliad Continued): (New Testament Greek.) (Second Half-Year.)**—Mo., We., Fr., Sa., 8:40. (Four 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.) Not given in 1907-1908.

VIII. **Thucydides (Book VI.); Aristophanes (Birds, with special reference to Greek Private Life).**—Mo., We., Fr., 9:35. (Three term hours.) Not given in 1907-1908.

HISTORY OF GREEK SCULPTURE.

PROFESSOR ROCKWELL.

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

MATHEMATICS. PURE AND APPLIED.

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. (Three term hours.) Mo., We., Fr., and Tu., Th., Sa., respectively. Required of all students in Science Course. Text: Hawke's Advanced Algebra.

Theory of Quadratics with graphical representations, Binomial Theorem, 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., and Tu., Th., Sa., respectively. Required of all students in Science Course. Text: Crocket's Elements of Plane and Spherical Geometry.

Goniometry, Trigonometric Equations, Solutions 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 7:45, and Six Weeks of Second Half-Year at 9:35.)**—Tu., Th., Sa. (Four term hours.) Elective for those who have completed Courses I. and II. Text: Smith and Gale, Elements of Analytic Geometry.

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. Elective for those who have taken Mathematics I., II., III., and First Half-Year of Mechanical Drawing. 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.)—Mo., We., Fr., 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.

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

VI. Integral Calculus.—(Second Half Year.)—Mo., We., Fr., 9:35. (Three term hours.) Elective for those who have completed V. Text: Osborne's Differential and Integral Calculus.

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 Equation.—(First Half-Year.)—Tu., Th., Sa., 9:35. (Three term hours.) Elective for those who have completed VI. Text: Cohen's Differential Equations and lectures on special topics with mimeograph notes.

Theory of Complex Variables, Hyperbolic functions and their development, 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, Application 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 Coefficients, Linear Differential Equations of the Second Order, Systems of Simultaneous Equations, Integration in Series of Equations of higher orders, Hypergeometric Series, Partial Differential Equations of the First and Higher Orders, Applications to Physics.

VIII. Advanced Calculus and Differential Equations, Continued.—(Second Half-Year.)—Tu., Th., Sa., 7:45. (Three term hours.) Continuation of Course VII.

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.

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.)

ASTRONOMY.

. Descriptive Astronomy.—(First Half-Year.)—Mo., We., Fr., 10:30. (Three term hours.) Elective for those who have completed Mathematics I., II., III., and IX., or who take III. and IX. parallel with it, and have taken Physics I. and II. Text: Young's Manual of Astronomy.

Celestial Sphere, Astronomical Instruments, Elementary Celesal Mechanics, Solar System, Fixed Stars, Double Stars, Nebulae, onstellation Study one evening a week, Demonstrations at Equarial, Meridian Circle and other Instruments of the Observatory.

II. Practical Astronomy.—(Second Half-Year.)—Mo., We., Fr., 10:30, or six hours' practical work in Observatory. (Three term hours.) Elective for those who have completed Mathematics I., II., III., V., VI., and IX. 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.

III. Least Squares.—(First Half-Year.)—Tu., Th., Sa. 10:30. (Three term hours.) Elective for those who have completed Astronomy I. and II. Given by lectures with mimeograph notes, Astronomical Observations with Least Square Reductions.

IV. Determination of Orbits of Comets and Planets.—(Second Half-Year.)—Tu., Th., Sa., 10:30. (Three term hours.) Elective for those who have completed Astronomy I., II. and III., and Mathematics X. Selected chapters from Watson's Theoretical Astronomy and Oppolzer "Bahnbestimmung der Kometen und Planeten." Courses III. and IV. are advanced courses and will be offered in alternate years; alternating with Astronomy I. and II. If however, not a sufficient number apply, Courses I and II. will be given.

MAJORS IN PURE AND APPLIED MATHEMATICS ASTRONOMY AND PHYSICS.

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 Equation, six term hours.

Total, twenty-four term hours

Mathematics and Physics.

Analytic Geometry, four term hours.
Analytic Mechanics, six term hours.
Differential and Integral Calculus, six term hours.
Advanced Calculus and Differential Equations, six term hours.
Mathematical Physics, two term hours.
(Sound and heat, two hours), (or Light and Electricity and Magnetism, two hours.)

Total, twenty-four term hours.

Mathematics and Astronomy.

Analytic Mechanics, six term hours.
Calculus, six term hours.
Advanced Calculus and Differential Equation, six term hours.
Descriptive and Practical Astronomy, six term hours.

Total, twenty-four term hours.

Mathematics and Astronomy.

Calculus, six term hours.
Advanced Calculus and Differential Equations, six term hours.
Descriptive and Practical Astronomy, six term hours.
Least Squares and Determination of Orbits, six term hours.

Total, twenty-four term hours.

MECHANICAL DRAWING AND DESCRIPTIVE GEOMETRY.

PROFESSOR BIEFIELD.

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.

ENGLISH

PROFESSOR SPANTON.

RHETORIC AND COMPOSITION.

I. Freshman Rhetoric.—(First Half-Year.)—Two sections; first section, Mo., We., Fr., 8:40; second section, Tu., Th., Sa., 8:40. (Three term hours.) A thorough review of the principles of Style. Text book. Frequent short themes and occasional longer themes.

II. **Freshman Rhetoric.—(Second Half-Year.)**—Two sections; first section, Mo., We., Fr., 8:40; second section, Tu., Th., Sa., 8:40. (Three term hours.) The forms of prose discourse. Text-book. Frequent themes in Narration, Description, Exposition, Argumentation and Persuasion.

The course in Argumentation, or Applied Logic, offered by Professor Olin (see page 50) may be counted as work for a major in English or for the six hours of English required of all students.

LANGUAGE AND LITERATURE.

Required work. All students are required to take at least six hours of English after the Freshman year. This requirement may be met by (1) English III. and IV., or (2) either English III. or IV. and two courses chosen from English V., VI., and Argumentation.

Majors. Students who choose English or English and Oratory as a major should confer about their work with the instructors in these departments at the beginning of the Sophomore year.

Order of work. Courses III. and IV. cover in outline the whole field of English Literature, and 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 English.

All students taking their majors in Science or Mathematics are urgently recommended to elect English V. and VI.

III. **General Introduction to English Literature.—(First Half-Year.)**—Mo., We., Fr., 9:35. (Three term hours.)

The work includes:

(a) The history of English Literature. Text-book. Students will find any text-book helpful—Brooke, Pancoast, Simonds, Halleck, Johnson, Moody and Lovett. Especially valuable for sup-

plementary reading is Green's Shorter History of the English People.

(b) The reading of masterpieces illustrating literary types and representing the main movements in English Literature. Much reading is required, still more is recommended.

IV. General Introduction to English Literature.—(Second Half-Year.)—Mo., We., Fr., 9:35. (Three term hours.) A continuation of III. Courses III. and IV. cover in outline the entire field of English Literature and are prerequisite to the more advanced courses.

V. Word Study.—(First Half-Year.)—Tu., Th., 9:35. (Two term hours.)

Elective for all students, but designed especially for Sophomores who are specializing in Science or Mathematics. After a few introductory lectures on language, the work centers in the study of words—their origin, development, significance, and habits—with special reference to the needs of scientific students. The aim is to make this an intensely practical course. Students who have had but little Latin and Greek will find this course very helpful.

VI. The History of the English Language.—(Second Half-Year.)—Tu., Th., 9:35. (Two term hours.) Text-book. Recitations and lectures. Elective for all students, whether they have taken V. or not.

VII. Chaucer.—(First Half-Year.)—Tu., Th., 10:30 (Two term hours.) Given only in alternate years. Offered in 1907-8.

A close study of some of the Canterbury Tales and the more important Minor Poems, and a rapid reading of much of the rest of Chaucer's work. Recitations, lectures, oral and written reports. Prerequisites, English III. and IV.

VIII. The English Bible as Literature.—(Second Half-Year.)—Tu., Th., 10:30. (Two term hours.) Given only in alternate years. Offered in 1907-8.

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. Prerequisites, English III. and IV.

IX. Shakespeare.—(First Half-Year.)—Mo., We., Fr., 10:30. (Three term hours.)

A close study of the language and the structure of three or four of the best dramas of Shakespeare, chosen from the tragedies, the comedies, and the historical plays. In 1907-8, King Lear, Henry IV. (both parts), and Much Ado About Nothing will be studied. Text-books: Rolfe's revised edition of Shakespeare's plays. Prerequisites, English III. and IV.

X. Shakespeare and the English Drama.—(Second Half-Year.)—Mo., We., Fr., 10:30.. (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 IX.

XI. Victorian Poets.—(First Half-Year.)—Tu., Th., 10:30. (Two term hours.) Given only in alternate years. Offered in 1908-9.

A study of the best poems of Browning and Tennyson, with some attention to the work of Mrs. Browning, Clough, Arnold, Rossetti, Morris, and Swinburne. Recitations, lectures, oral and written reports. Prerequisite, English III. and IV.

XII. Victorian Prose.—(Second Half-Year.)—Tu., Th., 10:35. (Two term hours.) Given only in alternate years. Offered in 1908-9.

Studies in Carlyle and Ruskin, with some attention to the best work of Arnold, Newman, Pater, and Stevenson. Recitations, lectures, oral and written reports. Prerequisite, English III. and IV.

XIII. American Literature.—(First 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, Bryant,

Poe, Hawthorne, Emerson, Thoreau, Longfellow, Whittier, Lowell, Holmes, Whitman, and Lanier. In the study of the poets, Page's Chief American Poets is used as a text-book. Recitations, lectures, written reports. Prerequisite, English III. and IV.

XIV. Masterpieces.—(Second Half-Year.)—Mo., We., Fr., 7:45. Required of Freshmen who do not elect Trigonometry.

The study of a number of masterpieces in prose and poetry representing various literary types. Only such selections are chosen as have genuine literary worth and are both interesting and helpful to the young student.

NATURAL SCIENCE.

PROFESSOR BROOKOVER.

A major in Biological subjects shall consist in Biology I. and II. in the Freshman year, Zoology I. and II. in the Sophomore year, preferably with the History of Zoology and Embryology. In the Junior and Senior years Physiology and Histology should be taken by those going to medical school, while those who take it as a general culture course or for the profession of teaching should take the Botany and Geology.

A major in Geology and Chemistry shall consist of Biology I. and II., preferably Zoology I. and II., for the proper understanding of the second half-year of Geology. In the Junior year all of the Geology offered should be taken. Also twelve term hours should be offered in Chemistry above the first year course in College Chemistry.

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 12:25. 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 traning 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 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 such 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 drawings. The embryology of at least one type from the five great classes of Vertebrates, will be studied from laboratory preparations.

*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.

VI. **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.

*VII. **Botany I.—Histology and Physiology.—(First Half-Year.)**—Recitations Mo., We., 10:30. Four periods laboratory. (Four term hours.)

In this course the cell and tissue structure are studied, and experiments in Plant Physiology conducted. The student is encouraged to prepare and stain permanent microscopic preparations for himself. One-half of the time is devoted to recitations and lectures.

*VIII. **Botany II.—Systematic Botany.—(Second Half-Year.)**—Recitations Mo., We., 10:30. Four periods of laboratory. (Four term hours.)

Half of the time is devoted to the laboratory study of types of Thallophytes, Bryophytes, Pteridophytes, and Spermaphytes. Their relationships are brought out by lectures and recitations. This course should precede Geology II.

IX. **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 and prerequisites. Field work to

cover the important points of interest near Akron is a part of the course.

X. 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.

***XI. 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.

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

***XII. 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.

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* The courses in Physiology are given only in alternate years. It will not be given in 1908-9. Botany I. and II. will be offered in the years when Physiology is not given.

ECONOMICS AND HISTORY.

PROFESSOR OLIN.

ECONOMICS.

For requirements in this department, see statement of majors and minors, page 45.

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.

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

Economics II.—Political Science.—(Second Half-Year.)—Tu., Th., 8:40. (Two term hours.) Text-books: Fisher's Evolution of the Constitution, Cooley's Constitutional Law. Reference: Goodnow's Administrative Law.

A study of the outlines of American Constitutional History and the interpretation of the American Constitution by the Federal Courts. The student is familiarized with the main landmarks of our constitutional life and given a clear conception of the meaning of our constitutional government.

Economics III.—A Study of 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, literary and research work.

Economics 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.

Economics V.—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.

HISTORY.

I. 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.

II. **History of England to the Twentieth Century.—(Second Half-Year.)**—Mo., We., Fr., 9:35. (Three term hours.) A continuation of Course I. Text-book and references as above.

III. **History of Western Europe.—(Second Half-Year.)**—Tu., Th., 7:45. (Two 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.

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 44.)

ORATORY.

MISS FORSYTH.

I. **Elementary Oratory.—(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 Oratory.—(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 Oratory. 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.

Besides the regular classes in Oratory, each student will be required to appear several times during the year in either recitation, declamation, oration or debate, before the assembled faculty and student body. A limited amount of instruction will be furnished for these appearances.

Instruction will also 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 other 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 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. In 1906 this cup was awarded to Frank S. Goehring, '08.

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. In 1906 this cup was awarded to the class of 1909.

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. In 1906 this Medal was awarded to Frank S. Goehring.

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 TRAINING FOR YOUNG WOMEN.

MISS FORSYTH.

The gymnasium drill for young women will begin about the middle of November and close about the first of April. This work is required of all first year College students and all Academy students except the Seniors, and may be elected by others. The purpose of this work with the young women is practically the same as that with the young men, and will be conducted under regulations and with apparatus suitable to secure this end. The Gilbert system of Physical Training forms a prominent and pleasing part of the work.

BUCHTEL ACADEMY

BUCHTEL ACADEMY

TEACHERS AND OFFICERS OF BUCHTEL ACADEMY

For the Year 1906-1907.

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

OSCAR E. OLIN, A. M.,
Teacher of English

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

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

CHARLOTTA H. OLIN, Ph. B.,
Teacher of English and History

LOUISE FORSYTH,
Teacher of Oratory and Physical Culture for Young Women

NELL L. CAMPBELL, Ph. B.,
Teacher of Latin and Civics

CHARLES BULGER,
Acting Teacher of German

MAY F. SANFORD,
Teacher of Drawing

REGULATIONS.

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 28.

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.

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.

The aim of the first year in German is to enable the student to acquire a good pronunciation, to familiarize himself 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 Germán 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.

TEXT-BOOKS.

First Year.

First Term—Lange's German Method for Beginners.

Second Term—Lange's German Method for Beginners.

Second Year.

First Term—Joynes-Meissner's Grammar, Part I.; Storm's In St. Jürgen, or Immensee; Hillern's Höher als die Kirche; or German texts of similar grade; Bernhardt's Prose Composition.

Second Term—Goethe's Hermann und Dorothea; Prose Composition continued.

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.

First Term—Aldrich and Foster's Foundations of French.

Second Term—Aldrich and Foster's Foundations of French completed; Mairet's La Tâche du Petit Pierre. Exercises in dictation, in conversation and in oral translation of English sentences from the grammar or based upon the text read.

Second Year.

First Term—Review of grammar; Labiche and Martin's Voyage de Monsieur Perrichon; memorizing of French poems and especial practice in conversation.

Second Term—Sand's Mare au Diable; Sandeau's Mlle, de La Seiglière; Lazare's Contes et Nouvelles.

ENGLISH.

The work in English includes Grammar, Rhetoric and Composition, and the reading and study of the English Classics required for college entrance. The first half of the first year is given to Grammar; work in Rhetoric and Composition and the reading of the Classics is begun, and then continues until the middle of the last year, the oral and written exercises being based on the readings so far as possible. The second half of the last year is given partly to theme-writing and partly to drill in oratory.

A more detailed statement of the work follows:

English I.—5 hours. Grammar; analysis, synthesis, difficult constructions, and the complete uses of the parts of speech.

English II.—(a) Rhetoric and Composition, 3 hours.

An elementary study—preparatory to the more detailed study later—of the selection and arrangement of material; the structure of the sentence, the paragraph, and the whole composition; diction; and letter-writing. Frequent exercises in oral and written composition.

(b) Readings, 2 hours. Snow Bound, The Courtship of Miles Standish, The Lady of the Lake.

English III.—(a) Rhetoric and Composition, 2 hours.

The sentence and the paragraph, punctuation, narration. Oral and written work in narration.

(b) Readings, 1 hour.

Ivanhoe, Silas Marner, A Tale of Two Cities.

English IV.—(a) Rhetoric and Composition, 2 hours.

Diction and figures of speech; description. Oral and written exercises in description.

(b) Readings, 1 hour.

The Sir Roger de Coverley Papers, The Ancient Mariner, The Merchant of Venice.

English V.—(a) Rhetoric and Composition, 1 hour.

English prosody; exposition. Oral and written exercises in expository composition.

(b) Readings, 2 hours.

Irving's Sketch Book, Sesame and Lilies, Palgrave's Golden Treasury, Books II. and III.

English VI.—(a) Rhetoric and Composition, 1 hour.

Argumentation and Persuasion. Oral and written exercises.

(b) Readings, 2 hours.

Julius Caesar, Macbeth, Burke's Conciliation.

English VII.—(a) Rhetoric and Composition, 1 hour.

Review of principles. Themes.

(b) Readings, 2 hours.

Macaulay's Essay on Johnson, Milton's Minor Poems, Tennyson's Idyls of the King.

English VIII.—3 hours a week.

Theme-writing and oratory, with special reference to the public literary exercises at graduation.

U. S. History.—Text: Hart's Essentials in American History.

An advanced course in U. S. History is given in the first year. Early explorations and colonizations are carefully studied. Special emphasis is laid upon colonial development, and upon the growth and adoption of constitutional government. From this point the history is traced along governmental, social, and economic lines, culminating in the national questions of the present day.

Ancient History.—Text: West's Ancient World. Required of all students.

While this course traces the history of civilization from the earliest historical times to Charlemagne, a good part of the time is given to the history of Greece and Rome. The influence of the Oriental nations on these great states is carefully studied. Especial consideration is given to the social conditions, conquests, and governmental power that made Greece and Rome influential in world civilization. The barbaric invasions are followed up to the time when Charlemagne commenced bringing order out of chaos.

In the present division this marks the end of Ancient History and the beginning of Modern History.

Modern History.—Text: West's Modern History.

The period considered extends from 800 A. D. to the present time. Early conditions and governmental beginnings of European states are studied. Consideration is given to the growth and power of the papal states. The growth of nation states is traced rather minutely, ending in a study of the most representative of European nations, and of European conditions of the present time. The discussion of special topics on assigned subjects will be required of students in both Ancient and Modern History.

Civics.—Text: Boynton-Harvey's School Civics.

The course in Civics includes the analysis and study of the Constitution of the United States, together with the history of the development of our government from the early colonial times to the present day. Politics and political parties with their relation to government are studied, and general debate is encouraged. Special attention is given to the study of state and local governments, and the discussion of actual conditions as they exist about the pupil.

MATHEMATICS.

Arithmetic—Two hours a week in connection with Geometry II. **(Second Half-Year.)** Progressions, mensuration, arithmetical analysis, square root and metric system, and arithmetic of Physics.

Algebra I.—Five hours a week. **(First Half-Year.)** Text: Stone & Milli's 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 & Milli's 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 & Milli's 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—Surds, imaginaries, 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: Wentworth's Plane and Solid Geometry, Books I., II., III.

Geometry II.—Three hours a week. **(Second Half-Year.)**
Text: Wentworth's Plane and Solid Geometry, Books IV., V.

Geometry III.—Five hours a week. **(First Half-Year.)**
Text: Wentworth's Plane and Solid Geometry. Books VI., VII., VIII., IX.

SCIENCE.

Physical Geography.—Required of all students. Text: Davis's Elementary Physical Geography.

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.—Required of all students. Text: Bergen's Elements 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.—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.

Chemisty.—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.

ACADEMY COURSE OF STUDY.

Preparatory year.

First Half-Year	Hrs.	Second Half-Year	Hrs.
Latin or French	5	Latin or French	5
English I	5	English II	5
U. S. or Eng. History	5	Civics	5
Drawing	2	Gymnasium	2
Gymnasium	2		

Junior Year.

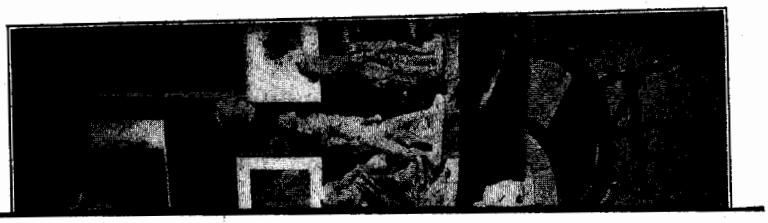
First Half-Year	Hrs.	Second Half-Year	Hrs.
Latin or French	5	Latin or French	5
Algebra	5	Algebra	5
English III	3	English IV	3
Physical Geography	4	Botany	3
Gymnasium	2	Gymnasium	2

Middle Year.

First Half-Year	Hrs.	Second Half-Year	Hrs.
Latin or German	5	Latin or German	5
Geometry I	5	Geometry II	3
Ancient History 5, or Chemistry	4	Arithmetic	2
English V	3	Modern History 5, or Chemistry	4
Gymnasium	2	English VI	3
		Gymnasium	2

Senior Year.

First Half-Year	Hrs.	Second Half-Year	Hrs.
Latin or German	5	Latin or German	5
Physics	4	Physics	4
Geometry III	5	Advanced Algebra	5
English VII	3	English VIII. (Oratory and Themes)	3



BUCHTEL SCHOOL OF MUSIC.

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

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 ad-

vantage of study under Armine W. Doerner, J. A. Broekhoven, 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 students' 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, Buchtel College, Akron, Ohio.

REGISTER OF STUDENTS OF BUCHTEL COLLEGE.

For 1906-1907.

Graduate.

Feudner, Grace		Akron

Graduate—1.

SENIOR CLASS.

	COURSE.	
Carns, Ethel May	P	Akron
Hotchkiss, Ruth	P	Akron
Kinley, Elizabeth	P	Corry, Pa.
Mallison, Blanche Janet	C	Akron
Olin, Blanche Marie	P	Akron
Rickert, Ura Garfield	S	Medina
Rockwell, Ida	P	Akron
Smetts, Adah	P	Akron
Smith, Hazel	P	Akron
Tillson, Hallie	P	Greenwich

Senior—10.

JUNIOR CLASS.

	COURSE.	
Bulger, Charles Levi	S	Canton
*Goehring, Frank Sturgeon	P	Akron
King, Lucian Loomis	S	Akron
Myers, Carl Metz	S	Akron
Penrod, Walter Wellington	S	Sterling
Reynolds, Don Sidney	P	Leroy
Roach, Elizabeth Meikle	C	Akron
Roach, Ethel Minerva	C	Akron
Schnee, Frederick	C	Akron
Schuman, Cottie Pruella	S	Akron
Simmons, Hezzleton Erastus	S	Leroy
*Smith, Hugh M.	S	Sterling
Sumner, Beatrice	S	Akron
Sumner, Mac Albert	S	Akron
Tomlinson, Irene Lucretia	S	Perry, N. Y.
Wilcox, Mabel	P	Cuyahoga Falls

Junior—16.

SOPHOMORE CLASS.

	COURSE.	
Bull, Sleeter	S	Sidney
Bunker, Jessie	S	Kent
Carpenter, Ford L.	S	Akron
Catlin, Pearl	S	Fairmont, Minn.
*Chrisman, Berenice	C	Kent
*Cole, Hazel Lane	P	Akron
Ewart, Claude E.	S	E. Akron

*—Not in full class standing.

Fouch, Honor C.	S	Sterling
*Greer, Blanche Clare	P	Akron
Iredell, Robert	S	Akron
James, Nellie R.	P	Cuyahoga Falls
Jones, Cyrinthia	S	New Lebanon, Ind.
*McNeil, Cecil	S	Akron
Mignin, George	S	Stryker
Richardson, Reed	S	Westville
*Simmons, Marie	C	Leroy
Sippy, Burne Olin	S	Akron
Terbush, Martin Linabury	S	Akron
Thomas, Ralph Gordon	P	Akron
Tuttle, Elizabeth F.	S	Akron

Sophomore—20.

FRESHMAN CLASS.

	COURSE.	
Arbogast, Harry	S	E. Akron
Babb, Lois	P	Akron
Baker, J. Clarence	P	Barberton
Beardsley, Edna	S	Akron
Belden, Russell	S	Akron
Botzum, Lida	P	Akron
Bowers, J. Homer	S	Akron
Bowen, N. Earl	P	Akron
Catlin, Leona	P	Fairmont, Minn.
Chandler, Harriett	P	Akron
Cowan, Anna	P	Hudson
Daniels, Fred	S	Seville
Dunn, Earl	S	Sidney
Ebright, Mary Rachel	S	Akron
Feudner, Lloyd	S	Akron
Ford, Martha Eleanor	S	Milledgeville
Haines, Harold	S	Leroy
Harrington, Harry A.	S	Akron
Harter, Helen	P	Akron
Hotchkiss, Robert	S	Akron
Hunsberger, Ford F.	S	New Portage
Jahant, Charles	S	Akron
Kelley, William Harold	S	Sidney
Knight, Helen Lillian	S	Akron
Knight, John S.	S	Attica
Koplin, Thomas Myron	P	Akron
Krohngold, Jacob Benjamin	S	Akron
Lowry, Jessie MacDowell	S	Akron
Mars, Willis G.	S	Akron
McChesney, Lura Louise	P	E. Akron
Means, Marjorie	P	Akron
Moore, Floyd B.	S	Leroy
Musson, Irvin J.	S	Kent
Proehl, Bessie	P	Akron
Ranney, Luella	P	Akron
Read, Max R.	S	Akron
Read, Verne R.	S	Akron

*—Not in full class standing.

Rentschler, Ruby	P	Akron
Risch, Walter H.	S	Akron
Rohan, Howard	S	Plainville
Sapp, John	S	Kent
Shuman, Mabel	P	Akron
Simmons, Lucille	P	Leroy
Smith, Donald S.	S	Attica
Stutzman, Charles A.	S	Kent
Swanson, Harriett E.	P	Grand Valley, Pa.
Thiess, Fred C.	S	Akron
Tomlinson, Agnes Martha	P	Perry, N. Y.
Trask, Harry Wellman	S	Kent
Tucker, Otto N.	S	Akron
Way, Raymond B.	S	Akron
Wilhelm, William Herman, Jr.	S	Akron
Young, Clifford Bachman	S	Stryker

Freshman—53.

SPECIAL.

Allen, Julia Tifft	Akron
Barnett, Louise	Akron
Burnett, Catherine Frances	Akron
Carnahan, Harry Renwick	Akron
Dick, James	Akron
Durfee, Anna	Akron
Harpham, Raymond Lee	Akron
Houghton, Harry Benjamin	Akron
Iredell, Mary K.	Akron
Jackson, Theron S.	Cleveland
Loomis, Fannie Lodema	Akron
Miller, Ruth Adeline	E. Akron
Ranney, Archie E.	Akron
Rentschler, Beatrice Dacotah	Akron
Roy, Katherine Salome	Woodsfield
Steele, Lester H.	Cuyahoga Falls
Stump, Mae	Manchester
Thomson, Agnes Margaret	Akron
Wells, Ethel J.	Akron
Wheeler, Ruth May	Akron
Wilbur, Earl Holden	Medina
Williard, Anna Emily	Akron
Youtz, Hazel May	Akron

Special—23.

REGISTER OF STUDENTS OF BUCHTEL ACADEMY.

1906-1907.

SENIOR CLASS.

Cassidy, Elizabeth	Akron
Diers, Carlton L.	Akron
Lyon, Ned	Akron
Mishler, Carlos M.	Akron
Patterson, Arthur E.	Akron
Roose, Murel A.	Peninsula
Selden, Howard G.	Akron
Sims, Mary R.	Akron
Thompson, Frank	Cuyahoga Falls
Welsh, Edward J.	Akron

Senior—10.

MIDDLE CLASS.

Biglow, Cragne	Bryan
Breen, Loretto	Akron
Bucklin, Ardis A.	Cuyahoga Falls
Cassidy, Mary E.	Boston
Clevenger, Herbert	Cuba
Cole, Helen L.	Akron
Converse, Vera M.	Copley
Davis, Frank A.	Cuyahoga Falls
Feederle, Donna M.	Akron
Ganyard, Carl E.	Akron
Hallinan, Neal	Akron
Hatch, Asa	Akron
Ikins, George	Akron
Jackson, Leland C.	Findlay
Klein, Raymond W.	Cuyahoga Falls
Olin, Sara Estella	Akron
Otis, Kathrine L.	Akron
Pfeiffer, Raymond	East Akron
Rawson, Laura	Akron
Rockrise, Thomas	Akron
Sidnell, Harold	Cuyahoga Falls
Stumpf, Edward	Barberton
Stumpf, Elmer	Barberton
Sullivan, Mae A.	Hudson
Treap, Howard G.	Peninsula
Weaver, Harold	Akron
Williams, Edna	Akron

Middle—27.

JUNIOR CLASS.

Ball, Gretchen	Akron
Bower, Ethel	Wadsworth
Church, Evelyn	Akron
Dallinga, Charles	Sherbondy
Dickinson, Hazel H.	Peninsula

Elwood, Mitchell ..... Peninsula
Emmett, Mary I. ..... East Akron
Glasgow, George L. ..... Akron
Heacock, Edgar E. ..... Chicago
Henry, James H. ..... Barberton
Hunt, Julia L. ..... Peninsula
Jones, W. Hermon ..... New Lebanon, Ind.
Lee, Ruth K. ..... Akron
Libis, Ethel M. ..... Akron
Morris, Nettie ..... Copley
Prentiss, Edna ..... East Akron
Reed, Josephine ..... Akron
Robinson, Helen E. ..... Akron
Seiberling, Willard P. ..... Akron
Thornton, Russell A. ..... South Akron

Junior—20.

PREPARATORY CLASS.

Arbogast, Hazel L. ..... Akron
Barker, Mary E. ..... Akron
Black, James Y. ..... Akron
Blaser, Alice M. ..... Ira
Blessman, Freeda ..... Akron
Brittain, Gertrude ..... Tallmadge
Carpenter, Adele ..... Akron
Chamberlain, Lucile ..... Akron
Christy, Helen ..... Akron
Conner, Imogene F. ..... Akron
Dague, Mary E. ..... Akron
Dobson, Russell T. ..... Akron
Fischer, Mae S. ..... Akron
Gall, Ruby E. ..... Akron
Gridley, Ruth ..... Akron
Hall, Lloyd ..... Akron
Hays, J. Milo ..... Akron
Howland, Josephine ..... Akron
Jacobs, Huldah ..... Akron
Kolp, Mildred ..... East Akron
Konrad, Charles ..... Akron
Lloyd, Winifred E. ..... Ira
Loomis, Harriet ..... Akron
Marsh, Harry ..... Akron
Marvin, Helen D. ..... Akron
Miller, Elizabeth ..... Akron
Miller, Ruth ..... Barberton
O'Hara, Edith ..... Akron
Perry, John H. ..... Cuyahoga Falls
Prentiss, Sadie ..... East Akron
Rinehart, May ..... Akron
Roach, Alberta ..... Akron
Sisler, Cassius ..... Akron
Standish, Clark E. ..... Lyons
Teeple, Edna P. ..... Akron
Wells, Harold B. ..... Akron
Wightman, Earl ..... Akron
Wild, Harold ..... Cuyahoga Falls

Williams, Vernon ..... Akron
Wise, Daisy ..... Boston
Woodbridge, Dwight ..... Sherbondy
Wright, Harriett B. ..... Akron
Preparatory—42.

SPECIAL STUDENTS.

Andrews, Helen M. ..... Akron
Bradley, Iza M. ..... Akron
Bradley, Nellie M. ..... Akron
Denmead, Perry ..... Akron
Eddy, Ethel A. ..... Akron
Frederick, Irl A. ..... Copley
Geisinger, Lourena ..... Kent
Hanan, Joseph B. ..... Wadsworth
Hill, Will K. ..... Akron
Kelley, Margaret L. ..... Akron
McGalliard, Margaret A. ..... Akron
Pepple, Winfield ..... Butte, Mont.
Rankin, Fred M. ..... Akron
Raymond, Mary P. ..... Akron
Robertson, Virginia ..... Akron
Smith, Effie N. ..... Clinton
Thompson, Marjorie M. ..... Akron
Whyte, Anna Willa ..... Akron
Wright, Harry E. G. ..... Rittman
Special—19.

COLLEGE STUDENTS.

Baker, J. Clarence ..... Barberton
Barnett, Louise ..... Akron
Belden, Russell ..... Akron
Catlin, Leona ..... Fairmont, Minn.
Hunsberger, Ford ..... Barberton
McNeil, Cecil C. ..... Akron
Rentschler, Ruby ..... Akron
Rohan, Howard ..... Cuba
Steele, Lester ..... Cuyahoga Falls
Swanson, Harriett ..... Grand Valley, Pa.
Tucker, Otto ..... Akron
Wilhelm, William H. ..... Akron
Witteman, Robert J. ..... Springboro
College—13.

ART STUDENTS.

Academy Drawing Class.

Arbogast, Hazel L. ..... Akron
Black, James Y. ..... Akron
Blaser, Alice M. ..... Ira
Bower, Ethel M. ..... Wadsworth
Chamberlain, Lucile ..... Akron
Church, Evelyn ..... Akron
Fischer, Mae S. ..... Akron
Gall, Ruby E. ..... Akron
Hall, Lloyd ..... Akron
Hays, J. Milo ..... Akron

Jacobs, Huldah	Akron
Kolp, Mildred	East Akron
Konrad, Charles O.	Akron
Lee, Ruth K.	Akron
Libis, Ethel M.	Akron
Lloyd, Winifred E.	Ira
Marsh, Harry	Akron
Marvin, Helen D.	Akron
Miller, Ruth	Barberton
O'Hara, Edith	Akron
Prentiss, Sadie	East Akron
Rinehart, May	Akron
Roach, Alberta	Akron
Sisler, Cassius	Akron
Teeple, Edna P.	Akron
Wild, Harold	Cuyahoga Falls
Wise, Daisy	Boston
Woodbridge, Dwight	Sherbondy
Wright, Harriett B.	Akron
Wright, Harry E. G.	Rittman

Art—30.

PRIVATE STUDENTS IN ART.

Bradley, Iza	Akron
Brunskill, Hazel	Akron
Catlin, Pearl	Kent
Caruthers, Ralph	Akron
Conner, Imogene	Akron
Hale, Andrew	Akron
Marrero, Federico R.	Island of Cuba
O'Hara, Rosalind	Akron
Welling, Anna	Akron
Williamson, Daisy	Akron
Williamson, Pansy	Akron

Total—41.

MUSIC STUDENTS.

Church, Evelyn	Akron
Emmett, Iris	East Akron
Fischer, Mae	Akron
Gilbert, Gladys	Ravenna
Heacock, Lenore	Chicago
Hendricks, Paul	Akron
Heminger, Vesta	Kenmore
Kile, Mrs. W. L.	Akron
Loomis, Fannie	Akron
Lytle, Mrs. Orin	Akron
O'Hara, Rosalind	Akron
Olin, Charlotte	Akron
Olin, Estella	Akron
Otis, Kathryn	Akron
Poole, Bernice	Peninsula
Robertson, Virginia	Akron
Snyder, Grace	Barberton
Wildroudt, Ruth	Akron
Whyte, Willa	Akron

Total—19.

SUMMARY.

1906-1907.

COLLEGIATE STUDENTS.

Post Graduate	1
Senior Class	10
Junior Class	16
Sophomore Class	20
Freshman Class	53
Special Students	23
Total Collegiate	—123
Classical Students	6
Philosophical Students	33
Scientific Students	60
Special Students	23
Men	63
Women	60

ACADEMY.

Senior Class	10
Middle Class	27
Junior Class	20
Preparatory Class	42
Special Students	19
College Students in Academy Classes	13
Total Academy	—131
Men (exclusive of College Students)	52
Women (exclusive of College Students)	66

SCHOOL OF MUSIC.

Men	1
Women	18
Total	— 19

SCHOOL OF ART.

Academy Students in Drawing	30
Private Students	11
Total	— 41
Men	10
Women	31
	314
Number counted more than once	45
Total number in all Departments	269

DEGREES CONFERRED.

CLASS OF 1906 AND TITLE OF THESES.

Bachelor of Arts.

EDITH HANNAH HEACOCK - - - - - - - - Chicago
The Roman Banquet as Illustrated from Horace

Bachelor of Philosophy.

MINA LUCY ADAMS - - - - - - - - - - Akron
Tennyson's Idylls of the King

CLARA FLORINE BROUSE - - - - - - - - - Akron
The Medulla Oblongata of Polyodon

CHESTER FARNUM CONNER - - - - - - - - Akron
The Present Strike of the Typographical Union for an Eight Hour Day

LUCRETIA EMERSON HEMINGTON - - - - - - - Akron
A Study of Mirabeau and His Times

JAMES RAYMUND WELLS - - - - - - - - - Akron
Quantitative Estimation of Resins in Crude Rubbers as a Means of Determining Commercial Values

AGNES LILIAN WHITON - - - - - - - North Amherst
The Autobiographical Value of the Lyrics of Goethe and Heine

AMANDA ELIDA ZEPP - - - - - - - - - Wadsworth
The Scientific Position of Henry Drummond

Bachelor of Science.

ALBERT BROWN - - - - - - - - - - - Mt. Gilead
Chemical Analysis of Rhodochrosite, and Fluorite from the Bonanza Mine, Colorado

HOMER WILBUR CARTER - - - - - - - - - Everett
Chemical Analysis of Molding Sand of the Cuyahoga Valley

HAZEL IONE CLARK - - - - - - - - Pittsburg, Pa.
Labor Unions—their Relations to Social Advancement

ESTHER ALICE EVANS - - - - - - - - - Akron
The Poetry of Wordsworth

HAL GREENWOOD KNIGHT - - - - - - - - - Akron
Electrolysis as a Means of Purifying the Akron Water Supply

MAURICE ACOMB KNIGHT - - - - - - - - - Akron
Geological Examination and Chemical Analysis of the Economic Clays of Summit County

EDWARD PARDEE PARSHALL - - - - - - - - Akron
A Search for Bromine in the Residue of the Colonial Salt Wells

AMY LILLIAN SAUNDERS - - - - - - - - - Akron
The Evolutionary Significance of the Dwelling

GEORGE HOWARD SPANGLER - - - - - - - - Clinton
An Economic Digest of the Bituminous Strike of 1906

PRIZES.

THE ALUMNI PRIZES.

Awarded for excellence in scholarship.

1905-1906.

In the Senior Preparatory Class to Elizabeth Haspelmath.
In the Freshman Class to Honor Fouch.
In the Sophomore Class to Mabel Wilcox.
In the Junior Class to Adah Smetts.

THE OLIVER C. ASHTON PRIZES.

Awarded for excellence in declamation.

1905-1906.

In the Junior Class:—First prize to Ida Rockwell, and second prize to Blanche Mallison.

1906-1907.

In the Sophomore Class:—First prize to Hugh Smith, and second prize to Marie Simmons.

In the Junior Class:—Contest not held at date of publication.

In the Senior Class:—First prize to Ethel Carns, second prize to Blanche Olin.

BUCHTEL COLLEGE ALUMNI ASSOCIATION.

Organized July, 1874. **Incorporated October 19, 1899.**

OFFICERS FOR 1906-1907.

President, ALBERT I. SPANTON, '99.....Akron
Vice-Presidents, HON. JOSEPH HIDY, '76.....Cleveland
HON. D. A. DOYLE, '78.....Akron
MRS. LILLIAN HUNTER, '85.....Tidioute, Pa.
GERTRUDE MATTHEWS, '89.....Jackson
DR. L. R. C. EBERHARD, '93.....Akron
GRACE MITCHELL, '00.....Akron
ETHEL JEFFERSON-ROWELL, '03.....London, Ont.
Secretary, MRS. M. S. GARDNER, '88.....Akron
Treasurer, MAUDE HERNDON, '01.....Akron

ALUMNI BOARD OF TRUSTEES.

Officers.

JNO. R. SMITH, '87.....President ex-officio
MRS. M. S. GARDNER, '88.....Secretary ex-officio
MAUDE HERNDON, '01.....Treasurer ex-officio

Term Expiring June, 1907.

MRS. SUSIE C. COLE, '73.....Akron
DR. A. A. KOHLER, '87.....Akron
ROBERT A. MYERS, '91.....Akron
WM. J. TRACHSEL, '02.....Canton

Term Expiring June, 1908.

CHAS. R. OLIN, '85.....Akron
JOHN W. THOMAS, '04.....Akron
ROBERT CRIST, '05.....Cuyahoga Falls
A. V. CANNON, '95.....Cleveland

Term Expiring June, 1909.

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

Annual meeting of the Association, June 19, 1907, 2 P. M.

Stated meetings of the Board of Trustees, June 20, 1907; November 14, 1907; February 20, 1908; May 14, 1908.

DONATIONS.

From April 10, 1906 to April 8, 1907 the College has received the following gifts:

CARNEGIE SCIENCE BUILDING FUND.

Contributions have been received, since the publication of the last catalog, towards securing the $25,000, offered by Andrew Carnegie for a new Science Building aggregating $556.00, from the following persons, viz.: C. O. Rundell, Akron, O.; Hazel Ione Clark, Pittsburg, Pa.; Ohio Women's Universalist Missionary Alliance; Fremont C. Hamilton, East Liberty, O.; Mrs. Harriett F. Steckel, Mulberry, Ind.; Lee Highlen, Markle, Ind.; Miss Belle Grant, South Berwick, Mass.; E. T. Binns, Bryan, O.; Robert Crist, Muskegon, Mich.; Minnie J. Ellett, East Akron, O.; Mr. and Mrs. Wm. H. Upson, Akron, O.; F. A. Seiberling, Akron, O.; Harper Drug Co., Akron, O.; P. T. McCourt, Akron, O.; A Friend.

INTER-COLLEGIATE PEACE PRIZES.

For the purpose of encouraging study and investigation along the lines of international peace, the Inter-Collegiate Peace Association contributed $25.00 to be offered in prizes for the best essays on the subject. Rabbi Isador Philo, of Akron, O., contributed a like sum for the same purpose and Mr. Thomas Rhodes, of Akron, contributed $25.00 for the purchase of literature on the subject for the library.

GIFTS TO THE PHYSICAL SCIENCE DEPARTMENT.

From D. A. Messner, samples of limestone and clays from Virginia.

From Hal G. Knight, '06, Tungsten and Vanadium ores from Colorado.

From Julius S. Lane, a miscellaneous collection of ores and minerals.

GIFTS TO THE NATURAL SCIENCE DEPARTMENT.

From Dr. Esgar B. Foltz, '96, Akron, O., about 200 microscopic slides, mounted preparations in Histology, Bacteriology, etc.

GIFTS TO THE LIBRARY.

From the following sources:

(a) Of money from Prof. C. M. Knight, Akron; and Rev. Carl F. Henry, '91.

(b) Of books from,—

Name	No. Vols.
American Bar Associations	1
Mrs. L. W. Brown, Akron	16
Buchtelite Staff	1
Ethel Louise Cox	1
Frank Goehring, Akron	1
Harvard University	3
Prof. C. M. Knight, Akron	1
Maurice A. Knight, Akron	1
Rev. E. G. Mason, Akron	14
New Jersey State Board of Health	2
New York State Dept. of Agriculture	2
New York State Library	19
New Zealand Government	1
Ohio State Bureau of Labor	1
Ohio State Geological Survey	2
State of Ohio	4
C. R. Olin, Akron	1
Anna M. Ray, Albion, Mich.	1
Prof. A. I. Spanton, Akron	3
Arthur A. Stearns, Cleveland	1
Tufts College	1
U. S. Government	21
University of West Virginia	2
Miss Lulu L. Weeks, Akron	2
Total	102

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