

BUCHTEL COLLEGE CAMPUS.

THIRTY-FOURTH
ANNUAL CATALOGUE

OF

BUCHTEL COLLEGE

AND

ACADEMY

FOR THE YEAR
1904 - 1905

AKRON : OHIO

PUBLISHED BY THE COLLEGE, APRIL, 1905

BUCHTEL COLLEGE AND ACADEMY

Founded in 1870 by the
OHIO UNIVERSALIST CONVENTION

Named in honor of
HON. JOHN R. BUCHTEL

CO-EDUCATIONAL NON-SECTARIAN

Furnishes the highest grade of Classical, Literary
and Scientific instruction, under the immediate
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Three College Courses, leading to the Baccalaureate
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A. B. CHURCH, D. D., President : AKRON, OHIO

CALENDAR.

1905.

- September 18, Monday, 9 A. M.—First Half-Year of College and Academy begins. Registration and Classification.
- September 19, Tuesday, 9 A. M.—Opening Chapel Service with regular Class Work following.
- November 17, Friday, 7:30 P. M.—Senior Ashton Prize Contest.
- November 30-December 3, Thursday to Sunday, inclusive—Thanksgiving Recess.
- December 15, Friday, 4:15 P. M.—Christmas Recess begins.

1906.

- January 2, Tuesday, 8 A. M.—Class Work will be resumed.
- January 18, Thursday—Founder's Day.
- February 2, Friday, 4:15 P. M.—First Half-Year closes.
- February 5, Monday, 9 A. M.—Second Half-Year begins. Registration and Classification.
- February 6, Tuesday, 8 A. M.—Class Work resumed.
- February 16, Friday, 7:30 P. M.—Sophomore Ashton Prize Speaking.
- March 7, Wednesday, 9:30 A. M.—Mid-Year Meeting of Board of Trustees.
- April 7-16, Saturday to Monday, inclusive—Easter Recess.
- May —, Friday—Tree Holiday.
- June 1, Friday, 4:15 P. M.—Senior Vacation begins.
- June 15, Friday, 8 P. M.—Graduating Exercises of the Academy.
- June 16, Saturday, 8 P. M.—Junior Ashton Prize Speaking.
- June 17, Sunday, 2:30 P. M.—Baccalaureate Services and Sermon.
- June 18, Monday—Class Day; at 8 P. M. Senior Promenade.
- June 19, Tuesday, 9:30 A. M.—Annual Meeting of Board of Trustees.
- June 19, Tuesday, 8 P. M.—Alumni Social Reunion and Banquet.
- June 20, Wednesday, 9:30 A. M.—Commencement Address and Conferring of Degrees.
- June 20, Wednesday, 2 P. M.—Annual Business Meeting of Alumni Association.
- June 20, Wednesday, 8 P. M.—President's Reception.

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For the Year 1904, 1905 and 1906.

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President's House.

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DEAN OF THE FACULTY.

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129 S. Union Street.

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271 Rosedale Place.

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Professor of Latin and Greek, and Director of Gymnasium and Track Athletics for Young Men.
285 Rosedale Place.

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SECRETARY OF THE FACULTY.
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OSCAR E. OLIN, A. M.,

Professor of Economics and History, and Instructor in Mental and Moral Philosophy.
476 Orchard Court.

ANNA M. RAY,

Instructor in Oratory and Physical Culture for Young Women.
Curtis Cottage.

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

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Principal of the Academy.
480 Orchard Court.

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Teacher of German and English.
Curtis Cottage.

M. ALICE RINES, A. M.,
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374 E. Buchtel Avenue.

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Teacher of Mathematics.
421 Spicer Street.

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167 S. Union Street.

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494 W. Market Street.

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1904-1905.

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Professor ROCKWELL, Prin. G. C. SCHAIBLE and C. R. OLIN.

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

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

ENDOWMENTS.

MESSENGER PROFESSORSHIP.

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

HILTON PROFESSORSHIP.

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

PIERCE PROFESSORSHIP.

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

BUCHTEL PROFESSORSHIP.

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

AINSWORTH PROFESSORSHIP.

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

RYDER PROFESSORSHIP.

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

MESSENGER FUND.

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

ISAAC AND LOVINA KELLY FUND.

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

WILLIAM PITT CURTIS FUND.

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

PERPETUAL SCHOLARSHIPS.

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

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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 deceased husband, William Robson.

§In honor of her father and mother, Mr. and Mrs. Israel Allyn, and her sister, Lucy Allyn.

GENERAL INFORMATION.

FOUNDATION.

BUCHTEL COLLEGE was founded in 1870, 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 52,000, 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, and Barberton 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 by 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 the Oratory Studio.

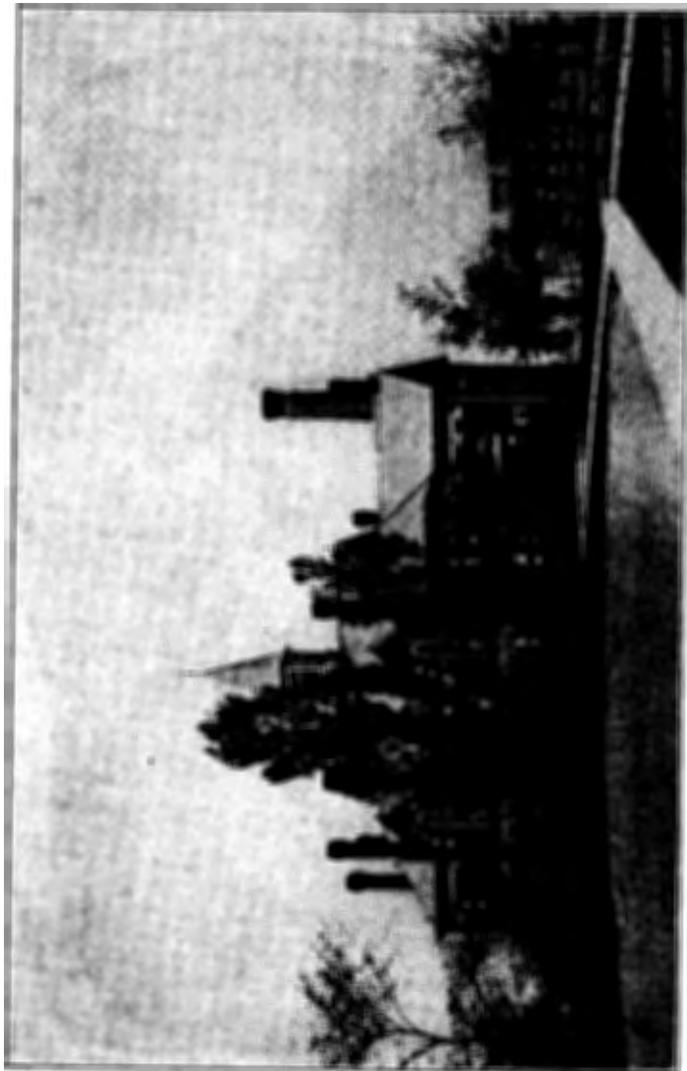
FIRE PROOF.

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.



CROUSE GYMNASIUM.

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

Two Astronomical Clocks, furnished with electric connections.

A Chronograph.

Various other minor apparatus.

CROUSE GYMNASIUM.

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

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

The Gymnasium is open at stated times for the exclusive use of the young women, and at other times for the exclusive use of the young men, in both instances under a trained director.

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

At present the Chemical Laboratory occupies a suite of six rooms in the basement of the Gymnasium and is modernly equipped for practical work.

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

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

THE HEATING PLANT.

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

CURTIS COTTAGE.

Curtis Cottage is the college home for young ladies. 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 young ladies' fraternities.

The Cottage is in charge of a preceptress of culture and school experience, and on the whole provides, at a moderate expense, the college young ladies with a home which is most modern and sanitary in all of its appointments, convenient and comfortable in its arrangements, and delightful and elevating in its social life.

THE PRESIDENT'S HOUSE.

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

AIM.

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

INSTRUCTION.

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



CURTIS COTTAGE.

COLLEGE COURSES.

The curriculum embraces:

FIRST: A Classical Course.

SECOND: A Philosophical Course.

THIRD: A Scientific Course.

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

ACADEMY COURSES.

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

BUCHTEL SCHOOL OF MUSIC.

The Music School is located at the College in Crouse Gymnasium. Thorough and technical training, beginning with fundamentals, is given in both vocal and instrumental courses by capable and experienced specialists.

BUCHTEL SCHOOL OF ART.

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

LABORATORY AND APPARATUS.

The larger portion of the basement of Crouse Gymnasium 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 six years' experience will have charge of the library to render it of greatest usefulness to the students.

ATHLETICS.

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

such as foot ball, base ball, basket ball and lawn tennis are permitted and encouraged so far as is consistent with the student's health and with his progress in the class-room.

ORATORICAL 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 residence, can devote the larger part of his time to the work, when the degrees may be granted in one year.

The candidate must accomplish the equivalent of a 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 con-

fined 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 without conditions at the beginning of the year—who attains the highest average grade during the year in not fewer than eight Freshman studies, shall be entitled to free tuition during the succeeding year.

3rd. That student—being a member of the Sophomore Class without conditions at the beginning of the year—who attains the highest average grade during the year in not fewer than eight studies above the Freshman year, shall be entitled to free tuition during the succeeding year.

4th. That student—being a member of the Junior Class without conditions at the beginning of the year—who attains the highest average grade during the year in not fewer than eight studies above the Freshman year, 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 Mr. Oliver C. Ashton, of Bryan, O., 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 Scholarships 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.....	\$20.00
TWO STUDIES—Each half-year.....	14.00
ONE STUDY—Each half-year.....	7.00
INCIDENTAL and LIBRARY FEE for all students each half-year...	3.50
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.....	2.25
Botany, I. and II., each.....	2.25
Zoology, I. and II., each.....	2.25
Geology, I.....	2.25
Neurology	2.25
Physiology	2.25

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.

The entire necessary living expense in Curtis Cottage is \$4.25 a week; bills rendered and payable at the end of each month.

All lady 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 young ladies opportunities are given for self help in the Cottage.

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 for 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... ..	3.50
PHYSICAL LABORATORY FEE—Each half-year.....	1.50
CHEMICAL LABORATORY FEE—Each half-year.....	5.00

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

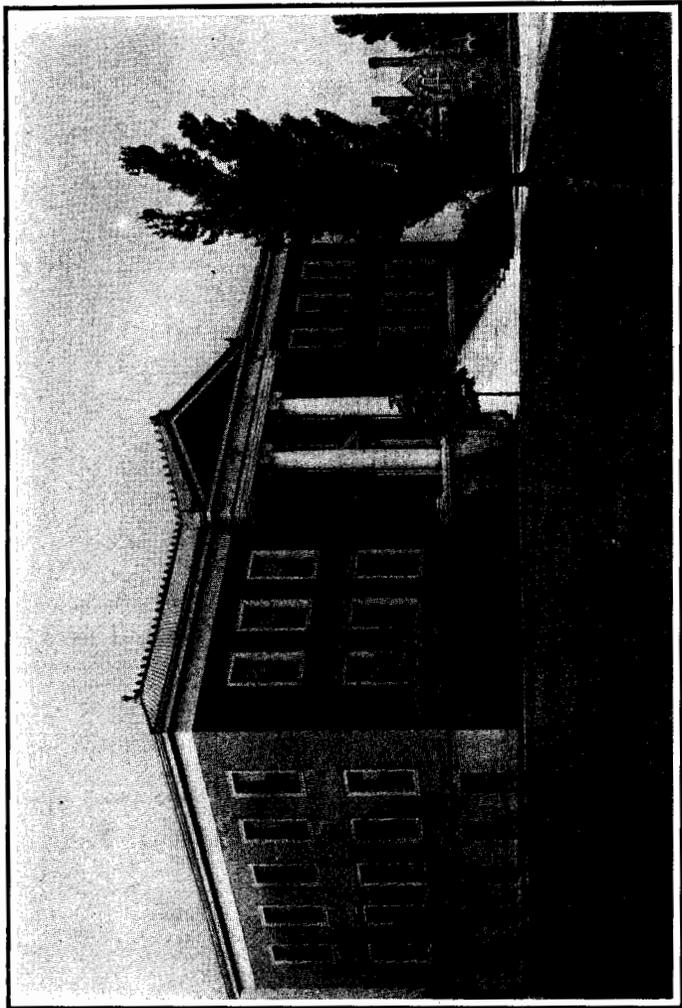
No tuition or other fees will be refunded except for absence on account of protracted sickness, and in such cases no reduction will be made in term bills if the student maintains his class standing.

For more detailed information in regard to College entrance, courses and expenses, address A. B. CHURCH, Pres., or C. R. OLIN, Sec'y.

For more detailed information regarding Buchtel Academy, see page 67, and address the PRINCIPAL, or Pres. A. B. CHURCH.

MUSIC AND ART.

For details of expenses see pages 82 and 83.



BUCHTEL HALL.

BUCHTEL
COLLEGE

FACULTY, INSTRUCTORS AND OFFICERS.

1905-1906.

COLLEGE.

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

Messenger-Professor of Mental and Moral Philosophy.

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

CARL F. KOLBE, A. M., Ph. D.,
Hilton-Professor of Modern Languages.

MARIA PARSONS, A. M.,
Pierce-Professor of English and Literature, and Instructor in English History.

JOSEPH C. ROCKWELL, A. M.,
Professor of Greek and Latin, and Director of Gymnasium and Track Athletics for Young Men.

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

FRANK M. MORRISON, A. M.,
Ainsworth-Professor of Mathematics and Astronomy.

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

ANNA M. RAY,
Instructor in Oratory and Physical Culture for Young Women.

ETHEL JEFFERSON, A. B.,
Assistant in Chemistry and Physics.

OSCAR R. SCHREIBER,
Librarian.

COLLEGIATE COURSES.

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

THREE COURSES OF STUDY.

The College offers three regular courses of study, requiring the same amount of preparatory work, and each requiring four years of study in the College. These courses are:

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

2. The Philosophical Course, substituting the study of German for Greek, and offering the same range of electives as the Classical Course. This course leads to the degree of Bachelor of Philosophy.

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

ELECTIVE AND REQUIRED WORK.

In keeping with the trend of higher education, Buchtel College offers opportunities for extensive elective work. But to avoid the evils of desultoriness, every student is advised to make out, at the beginning of the Sophomore year, a scheme for his elective work for the entire course. Members of the Faculty will gladly confer with students regarding this important matter.

REGULATIONS.

The following rules are to be observed by all students :

1. All freshman work is required.
 2. After the freshman year, four studies a half-year are counted full work.
 3. After the freshman year twenty-four credits are necessary for obtaining the Bachelor's degree, a "credit" meaning the completion of one study of four recitations per week, or its equivalent for one half-year, the full work of the student thus being four studies or sixteen recitations per week each half-year.
 4. After the freshman year, electives are not limited to any one year, *i. e.*, there are no sophomore, junior or senior electives, but under the direction of the Committee on Classification, the student may elect any course *which he is qualified to pursue*.
 5. 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.
 6. No student is allowed to take more nor less than four studies a half-year, without consent of the Faculty.
 7. No student is allowed to drop a study after the opening of a half-year without the consent of the Committee on Classification.
 8. No student will be allowed to postpone a required study, or take a study in place of those prescribed, without permission of the Faculty.
 9. 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.
10. The thesis for graduation shall be handed in to the Secretary of the Faculty on or before the beginning of the Senior vacation.

ADMISSION AND RECORD.

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

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.

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.

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.

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.

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.

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

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

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

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

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 same requirements as for the Scientific Course, and may elect such studies as they are qualified to pursue. They must file with the Committee on Classification certificates of their previous work.

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

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

TERMS OF ADMISSION.

The following work is required of candidates for entrance to the Freshman Class in each of the College courses:

CLASSICAL COURSE.

GREEK.—Grammar (Goodwin or equivalent); three books of Xenophon's Anabasis; three books of Homer's Iliad; Prose Composition, as found in Jones' Exercises; Greek history, as found in Pennell.

LATIN.—Grammar, including Prosody (Bennett, Allen & Greenough or Harkness) ; three books of Cæsar's Commentaries, or Arrowsmith & Whicher's First Latin Readings ; six of Cicero's Orations ; six books of Vergil's Æneid ; the first twenty lessons of Jones' Latin Prose Composition ; Roman History.

MATHEMATICS.—Arithmetic (including the Metric System) ; Algebra, Taylor's Algebra through Quadratic Equations or its equivalent ; Geometry, plane, solid, and spherical.

ENGLISH.—Composition, Grammar, Analysis, Elementary Rhetoric, Reading of English and American writers.

HISTORY.—United States.

POLITICAL SCIENCE.—Civil Government.

DRAWING.—Free Hand.

PHILOSOPHICAL COURSE.

LATIN.—Grammar, including Prosody (Bennett, Allen & Greenough or Harkness) ; three books of Cæsar's Commentaries, or Arrowsmith & Whicher's First Latin Readings ; six of Cicero's Orations ; six books of Vergil's Æneid ; the first twenty lessons of Jones' Latin Prose Composition ; Roman History.

MATHEMATICS.—Arithmetic (including the Metric System) ; Algebra, Taylor's Algebra through Quadratic Equations or its equivalent ; Geometry, plane, solid, and spherical.

NATURAL SCIENCE.—Physiology, Physical Geography.

ENGLISH.—Composition, Grammar, Analysis, Elementary Rhetoric, Reading of English and American writers.

HISTORY.—United States, General History.

POLITICAL SCIENCE.—Civil Government.

DRAWING.—Free Hand.

SCIENTIFIC COURSE.

LATIN.—Grammar, including Prosody (Bennett, Allen & Greenough or Harkness) ; three books of Cæsar's Commentaries, or Arrowsmith & Whicher's First Latin Readings ; six of Cicero's Orations, or,—

GERMAN.—Two years' work in German will be accepted in place of Latin.

MATHEMATICS.—Arithmetic (including the Metric System); Algebra, Taylor's Algebra through Quadratic Equations or its equivalent; Geometry, plane, solid, and spherical.

NATURAL SCIENCE.—Physiology, Physics, Physical Geography.

ENGLISH.—Composition, Grammar, Analysis, Elementary Rhetoric, Reading of English and American writers.

HISTORY.—United States, General History.

POLITICAL SCIENCE.—Civil Government.

DRAWING.—Free Hand.

Except in Languages and Mathematics a fair equivalent may be allowed for any academic study other than those mentioned above for College entrance.

In Science note books should be presented in evidence of laboratory work done.

REQUIREMENTS IN ENGLISH.—(Now practically uniform throughout the United States) :

READING AND PRACTICE.

Goldsmith—The Vicar of Wakefield.....	1903-1905
Tennyson—The Princess.....	1903-1905
Carlyle—Essay on Burns.....	1903-1905
Shakespeare—Julius Cæsar.....	1903-1905
Shakespeare—The Merchant of Venice.....	1903-1908
Addison—Sir Roger de Coverley.....	1903-1908
Lowell—The Vision of Sir Launfal.....	1903-1908
Scott—Ivanhoe.....	1903-1908
Coleridge—The Ancient Mariner.....	1903-1908
George Elliot—Silas Marner.....	1903-1908
Shakespeare—Macbeth.....	1906-1908
Scott—The Lady of the Lake.....	1906-1908
Tennyson—Lancelot and Elaine.....	1906-1908
Tennyson—The Passing of Arthur.....	1906-1908
Tennyson—Gareth and Lynette.....	1906-1908
Irving—Life of Goldsmith.....	1906-1908

STUDY AND PRACTICE.

Macaulay—Essay on Milton.....	1903-1905
Shakespeare—Macbeth.....	1903-1905
Macaulay—Essay on Addison.....	1903-1908
Burke—Speech on Conciliation.....	1903-1908
Milton—L'Allegro and Il Penseroso.....	1903-1908
Milton—Comus.....	1903-1908
Milton—Lycidas.....	1903-1908
Macaulay—Life of Johnson.....	1906-1908
Shakespeare—Julius Cæsar.....	1906-1908

Equivalent readings will be accepted.



ASTRONOMICAL OBSERVATORY.

REQUIRED
AND
ELECTIVE
COURSES

REQUIRED STUDIES.

1905-1906.

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.	Hrs.	Second Half-Year.	Hrs.
Greek I.....	4	Greek II.....	4
Latin I.....	3	Latin II.....	3
Mathematics I.....	4	Mathematics II.....	4
Biology I.....	2	Biology II.....	3
Rhetoric I. and Reading and Expression.....	3	Rhetoric II.....	2
Gymnasium	2	Gymnasium	2

PHILOSOPHICAL COURSE.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
German I.....	4	German II.....	4
Latin I.....	3	Latin II.....	3
Mathematics I.....	4	Mathematics II.....	4
Biology I.....	2	Biology II.....	3
Rhetoric I. and Reading and Expression.....	3	Rhetoric II.....	2
Gymnasium	2	Gymnasium	2

SCIENTIFIC COURSE.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
English I.....	3	English II.....	3
German I.....	4	German II.....	4
Mathematics I.....	4	Mathematics II.....	4
Biology I.....	2	Biology II.....	3
Or Mechanical Drawing and Descriptive Geometry.....	3	Or Mechanical Drawing and Descriptive Geometry.....	3
Rhetoric I. and Reading and Expression.....	3	Rhetoric II.....	2
Gymnasium	2	Gymnasium	2

After the Freshman year the following work is required:

For the degree of Bachelor of Arts—

One year of Latin or Greek.
One year of Philosophy.
One year of Physical Science.

For the degree of Bachelor of Philosophy—

One half-year of Logic.
One half-year of Political Economy.
One year of Philosophy.
One year of Physical Science.

For the degree of Bachelor of Science—

One year of Chemistry.
One year of Physics.
One year of Natural Science.

These required studies may be taken any year, at the option of the student, although it is recommended that the student take them in the order named.

SCHEDULE OF CLASSES.

1905-1906.

FIRST HALF-YEAR.

8:00	8:55 to 9:15	9:15	10:10	11:05	1:30	2:25	3:20
German V.	Chapel.	French I.	Physics III.	Physics I.	Chemistry I.	Chemistry I.	Chemistry III.
Astronomy I.	"	Mathematics I.	German I.	German III.	History I.	Chemistry III.	History of Greek
Rhetoric I.	"	Literature I. (3)	Mathematics V.	Mathematics I.	Oratory I.	Mathematics VII.	Sculpture. (2)
Reading and	} (3)	Greek I.	Literature III.	Literature V.	Mech. Drawing.	German VII. (2)	Gymnasium. (2)
Expression		Geology I.	Greek III., V., VII.	Latin I. (3)	Biology I. (2)	French III. (2)	
Latin III., V., VII.	"	Political Economy I.	Neurology	Botany I.		Logic.	
Zoology I.	"			Ethics I.		Biology I. (2)	

SECOND HALF-YEAR.

8:00	8:55 to 9:15	9:15	10:10	11:05	1:30	2:25	3:20
German VI.	Chapel.	French II.	Physics IV.	Physics II.	Chemistry II.	Chemistry II.	Surveying.
Meteorology.	"	Mathematics II.	German II.	German IV.	History II.	Chemistry IV.	History of Greek
Rhetoric II. (2)	"	Literature II. (3)	Mathematics VI.	Mathematics II.	Oratory II.	German VIII. (2)	Sculpture (2)
Latin IV., VI., VIII.	"	Greek II.	Literature IV.	Literature VI.	Mech. Drawing.	French IV. (2)	Gymnasium (2)
Biology II. (1)	"	Geology II.	Greek IV., VI., VIII.	Latin II.	Biology II. (2)	Surveying.	
Zoology II.	"	Political Economy II.	Psychology.	Botany II.		Biology II. (2)	
			Physiology.	Ethics II.		History III.	
				Natural Theology.			

Electives must be made out from this schedule. These courses are described on the following pages.
 Courses not otherwise marked are four hours a week.

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MENTAL AND MORAL PHILOSOPHY.

PRESIDENT CHURCH.
PROFESSOR OLIN, INSTRUCTOR.

One year of Philosophy is required of all students who are candidates for the degree of A. B. or Ph. B.

First Half-Year.

Ethics I. Tu., We., Th., Fr., 11:05.

Text-book, Mackenzie.

Moral Philosophy is an elective for two half-years. The subject embraces theoretical and practical ethics and is studied with reference to the origin and development of ethical ideas as viewed in the

light of modern philosophy. Text-books are used as guides, but the aim is to encourage individual research and original thought; to that end, topics are assigned at intervals during the course, and students are referred to a library of wide and well chosen reference books. Papers are written and discussed on the doctrine and influence of such men as Socrates, Plato, Kant, Berkeley, and others, and on the systems of thought advanced by the Stoics, Epicureans, Cynics, and Ascetics. The theoretical bearing of the contemporaneous problems of Education, Charities, Penology, Temperance, and Sociology is introduced and the fullest discussion invited.

Second Half-Year.

Psychology. Tu., We., Th., Fr., 10:10. Those electing this subject must have taken the half-year of College Physiology, giving special attention to Neurology.

Text-book, James' Psychology.

Psychology is an elective for second half-year and must be preceded by the course in Neurology. 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.

Ethics II. Tu., We., Th., Fri., 11:05. 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.

PHYSICAL SCIENCE.

PROFESSOR KNIGHT.

ETHEL JEFFERSON, PH. B., INSTRUCTOR.

One year of Physical Science is required of candidates for the A. B. and Ph. B. degrees.

One year of Chemistry and one year of Physics is required of candidates for the S. B. degree.

COURSES IN CHEMISTRY.

First Half-Year.

- I. *General Chemistry*. Mo., Tu., Th., Fr., 1:30 to 3:20. Eight hours per week. Descriptive Chemistry and Inorganic preparations.

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.

- III. *Quantitative Analysis*. Mo., Tu., Th., Fr., 2:25 to 4:15. Eight hours per week. Open to students who have completed courses I. and II.

Gravimetric and volumetric; examination of simple salts and minerals, coal, limestone, milk, water and foods.

- V. *Quantitative Analysis—Technical*. Eight hours per week of laboratory work required. Open to students who have taken courses I., II., III. and IV.

Any two consecutive afternoon hours may be chosen for this work. Topics from chemical journals are assigned for reading and study. Students may select the material for investigation.

Second Half-Year.

- II. *Inorganic Preparations and Qualitative Analysis.* Mo., Tu., Th., Fri., 1:30 to 3:20. Eight hours per week. Open to students who have finished course I.

Separation and testing of the common metals and acids; blow-pipe tests for metals in commercial ores; lectures and "quizzes" in addition to the laboratory work.

- IV. *Organic Chemistry.* Mo., Tu., Th., Fr., 2:25. Five hours per week. Open to students who have taken courses I. and II.

The instruction in Organic Chemistry consists of recitations and laboratory work. Conferences of teacher and students are held at which new theories are discussed and the latest researches are presented; work in the laboratory comprises proximate analyses and the preparation and testing of most organic products.

- VI. *Quantitative Analysis — Mineralogy and Assaying.* Ten hours per week. Assignment of hours after class is formed. Open to students who have taken courses I., II., III., IV. and V.

Students allowed to choose the line of investigation to be followed. The course involves such a variety of methods and processes as will enable the student to undertake most chemical separations and tests. Students who have taken the course in electricity will be allowed to pursue a course in electro-chemistry and the determination of physical constants.

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 manufacture of illuminating and water gas.

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 half-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.

First Half-Year.

I. *Mechanics, Pneumatics and Sound.* Mo., Tu., Th., Fr.,
11:05. Six hours per week.

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

III. *Electricity and Magnetism.* Mo., Tu., Th., Fr., 10:10.
Six hours per week. Open to students who have taken courses I. and II.

Recitations, lectures and laboratory practice. Various laboratory manuals used.

Second Half-Year.

II. *Heat, Light and Photography.* Mo., Tu., Th., Fr., 11:05. Six hours per week. 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.

IV. *Electricity and Its Applications.* Mo., Tu., Th., Fr., 10:10. Six hours per week. Open to students who have taken courses I., II. and III.

Recitations, lectures and laboratory practice. Visits to various manufactories where electricity is developed and applied. In this course a practical study of the application of the electric current to the telephone, telegraph, electric light, dynamo, motor and transmission of power will be undertaken.

MODERN LANGUAGES.

PROFESSOR KOLBE.

GERMAN.

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. Below are the details of the various courses.

First Half-Year.

I. Mo., Tu., We., Th., 10:10. Required of Philosophical and Scientific Freshmen.

Joynes-Meissner's Grammar, Part I.; written grammar exercises from English into German; Bronson's Prose and Poetry.

III. Mo., Tu., We., Th., 11:05.

Schiller's Maria Stuart; Von Jagemann's Materials for German Prose Composition; Lessing's Minna von Barnhelm; Schiller's Ballads; Dictation.

V. Mo., Tu., We., Th., 8:00.

Schiller's Wallenstein; German Essays and Letters; reading at sight; History of German Literature.

VII. Tu., Th., 2:25.

Schiller's Don Carlos; Goethe's Meisterwerke (Bernhardt); History of German Literature (Scherer); German Composition.

Second Half-Year.

II. Mo., Tu., We., Th., 10:10. Required of Philosophical and Scientific Freshmen.

Review of grammar; rapid oral translation of all English exercises of grammar into German; Storm's Immensee; Hillern's Hoehers als die Kirche; Gerstaecker's Germalshausen.

IV. Mo., Tu., We., Th., 11:05.

Heine's Harzreise; Sesenheim (Goethe's Dichtung und Wahrheit); Goethe's Hermann und Dorothea; German Prose Composition; History of German Literature.

VI. Mo., Tu., We., Th., 8:00.

Goethe's Egmont; Lessing's Nathan der Weise; Simm's Life of Lessing; History of German Literature; review of History of German Literature (written in German).

VIII. Tu., Th., 2:25.

Goethe's Faust (Part I.); Grimm's Life and Times of Goethe; History of German Literature (Scherer); German Composition.

FRENCH.

PROFESSOR KOLBE.

First Half-Year.

I. Mo., Tu., We., Th., 9:15.

Edgren's Grammar; written Grammar Exercises from English into French; Super's Reader; Berthet's Le Pacte de Famine.

III. Mo., We., 2:25.

Racine's Phedre; reading at sight; Prose Composition.

II. Mo., Tu., We., Th., 9:15.

Review of Grammar, written and oral; special drill on irregular verbs; Prose Composition; Erckmann-Chatrion's Le Conscrit de 1813; Musset's Pierre et Camille; Scribe's Le Verre d'Eau.

IV. Mo., We., 2:25.

Moliere's Le Misanthrope; Corneille's Le Cid; reading at sight; Prose Composition.

GREEK.

PROFESSOR ROCKWELL.

One year of elective work in Greek or Latin is required of candidates for the A. B. degree. The elective courses this year are V. and VI.

During the Freshman year the drill in forms and grammar is continued daily, and attention is given to the history and literature.

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.

First Half-Year.

- I. *Lysias (Selected Orations); Homer (Odyssey); Literature.* Tu., We., Th., Fr., 9:15. Required of Classical Freshmen.
- V. *Aristophanes (Birds, with special reference to Greek private Life); Thucydides (Book VII.).* Tu., We., Th., Fr., 10:10.
- III. *Herodotus (Book VI.); Aristophanes (Clouds, with special reference to Greek Private Life).* For 1906-1907.
- VII. *Isocrates (Panegyricus); Pindar (Selected Odes).* For 1907-1908.

Second Half-Year.

- II. *Plato (Apology and Crito); Euripides (Medea); Literature.* Tu., We., Th., Fr., 9:15. Required of Classical Freshmen.
- VI. *Demosthenes (De Corona); Euripides (Iphigenia among the Taurians).* Tu., We., Th., Fr., 10:10.
- IV. *Æschylus (Persians); Æschines (Against Ctesiphon).* For 1906-1907.
- VIII. *Sophocles (Edipus Tyrannus); Demosthenes (Philippics); Selections from Greek Lyric Poetry.* For 1907-1908.

LATIN.

PROFESSOR ROCKWELL.

One year of elective work in Greek or Latin is required of candidates for the A. B. degree.

The elective courses for 1905-1906 are V. and VI.

First Half-Year.

- I. *Cicero (De Senectute)*; *Plautus (Mostellaria)*. Tu., Th., Fr., 11:05. 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.

- V. *Tacitus (Germania and Agricola)*; *Juvenal (Satires)*. Tu., We., Th., Fr., 8:00.

During this year's work in Latin V. and VI. one recitation a week will be devoted to Roman Private Life. This work will consist of lectures and collateral reading designed to supplement the reading courses and will continue the work previously taken up. The domestic, social and industrial life, the customs, dress and implements of the Romans will be described and illustrated. The Private Life of the Romans by Johnston will be used as text-book.

- VII. *Tacitus (Annals XI.-XVI.)*; *Suetonius (Claudius and Nero)*. For 1906-1907.

- III. *Livy (Books XXI.-XXII.)*; *Plautus (Trinummus and Captivi)*. For 1907-1908.

The courses for the advanced classes are arranged to give a comprehensive view of the great productions of Latin authors, and these are interpreted so as to awaken an appreciation for the history and the spirit of the times in which they lived. To assist in this, one hour a week is devoted to a more detailed examination of the antiquities of Roman private life, by lectures and collateral reading. This work will be amply illustrated by cuts, photographs and colored plates.

The courses in Latin are supplemented by Latin Prose Composition and Roman Literature.

Second Half-Year.

- II. *Pliny (Selected Letters)*. Tu., Th., Fr., 11:05. Required of Classical and Philosophical Freshmen.
- VI. *Terence (Audria)*; *Horace (Satires and Epistles)*. Tu., We., Th., Fr., 8:00.
- VIII. *Cicero (Selected Letters)*; *Catullus (Selected Odes)*. For 1906-1907.
- IV. *Lucretius (De Rerum Natura)*; *Horace (Odes and Epodes)*. For 1907-1908.

HISTORY OF GREEK SCULPTURE.

PROFESSOR ROCKWELL.

Entire year. Two hours per week. Given in 1905-1906.

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 Phœnicia, 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.

The course must be taken the entire year to count in any way as a credit and it is open only to Juniors and Seniors.

MATHEMATICS.

PROFESSOR MORRISON.

The courses in Mathematics are designed to give, besides the inherent discipline, a foundation for further work in the pure science and in some applied lines, such as Engineering, Physics and Astronomy.

Courses I.-VIII. are given every year. Courses IX. and X. will be given when there is sufficient demand and time will permit.

Work additional to the courses stated below will be given in Machine Drawing and Machine Design in 1905 and 1906 if there is sufficient demand for it to form a class.

First Half-Year.

- I. *College Algebra*. Tu., We., Th., Fr., two sections, 9:15 and 11:05. Required of all Freshmen.

Text: Taylor, *College Algebra*.

Indeterminate equations, progressions, theory of limits, derivatives, development of functions in series, partial fractions, binomial theorem, convergency and summation of series, logarithms, permutations and combinations, elementary theorems in theory of equations, elements of determinants.

- III. *Mechanical Drawing and Descriptive Geometry*. Throughout year. Two hours each day, Tu., We., Fr., 1:30.

Texts: Anthony, *Elements of Mechanical Drawing*.

Sherman, *Lettering*.

Church, *Descriptive Geometry*.

An alternative with Biology for Scientific Freshmen.

Mechanical Drawing: use of drawing instruments, elementary geometrical drawing, lettering, projections, tracing, blue printing.

Descriptive Geometry: representation of points, lines, planes and intersections in orthographic projection; curved lines, tangents, normals, development and intersection of surfaces.

The first half of the year the most of the time is given to the *Mechanical Drawing*; the second half more time is given to the *Descriptive Geometry*, the drawing being mostly the solution of problems in *Descriptive Geometry*.

V. *Analytic Geometry.* Tu., We., Th., Fr., 10:10.

Text: Smith and Gale.

Prerequisite: Courses I. and II.

The point, right line, circle, parabola, ellipse and hyperbola in cartesian and polar coordinates; discussion of the general equation of the second degree; elements of Solid Analytic Geometry.

VII. *Integral Calculus.* Tu., We., Th., Fr., 2:25. Continuation of course VI.

Integration of elementary forms, of rational and irrational functions, of trigonometric and exponential functions; multiple integrals; rectification of curves; quadrature of plane and curved surfaces; cubature of volumes; applications to Mechanics.

IX. *Theory of Equations and Differential Equations.* Selected parts from Burnside and Panton's Theory of Equations and Murray's Differential Equations.

Some of the more important theorems in Theory of Equations, with an introduction of Differential Equations.

Second Half-Year.

II. *Plane and Spherical Trigonometry.* Tu., We., Th., Fr., two sections, 9:15 and 11:05. Required of all Freshmen.

Text: Crockett, Plane and Spherical Trigonometry.

Trigonometric functions and formulae, logarithmic functions trigonometric equations, solution of right and oblique angled plane triangles, De Moivre's Theorem and trigonometric series, solution of right and oblique angled spherical triangles, applications.

IV. *Mechanical Drawing and Descriptive Geometry.* Tu., We., Fr., 1:30. Two hours each day. Continuation of course III.

VI. *Differential Calculus.* Tu., We., Th., Fr., 10:10.

Text: Granville's Differential and Integral Calculus.

Prerequisite: Courses I., II., V.

Differentiation of functions of one and several variables, development of functions, indeterminate forms, maxima and minima of one and several variables, tangents and normals, asymptotes, direction, contact and curvature, evolutes and involutes, envelopes, singular points, curve tracing.

VIII. *Surveying.* Two hours each day for field work, Tu., We., Th., Fr., 2:25. Text: Raymond, Plane Surveying. Prerequisite: Courses I. and II.

Careful study of fundamental principles; adjustment of instrument; field work with tape, chain, level, transit; measuring angles, distances, areas; leveling; profile and contour work; land surveying; laying out of curves; drawings are made of all work.

X. *Analytic Mechanics.*

Fundamental principles in Statics and Kinetics, with applications, using the Analytic Geometry and Calculus; work about such as given in Bowser's Analytic Mechanics.

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. A 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.

The course in Mechanical Drawing and Descriptive Geometry is made an alternative with Biology in the Freshman year for Scientific students. The additional half-year's work in Physics consists of work in Applications of Electricity. With this two full years' work in Physics will be given.

As it is possible and it seems wise additional work in drawing and surveying will be given, also courses IX.-X. in Mathematics.

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.

ASTRONOMY.

PROFESSOR MORRISON.

Courses I. and II. are primarily for the general student and are given every year. They furnish an opportunity of becoming acquainted with the general facts and methods of Astronomy and Meteorology. Courses III. and IV. are for the student who wishes a foundation for extended work in Astronomy and will be given when there is sufficient demand.

First Half-Year.

I. *Descriptive Astronomy.* Tu., We., Th., Fr., 8:00.

Text: Young, Manual of Astronomy.

Prerequisite: Courses I. and II. in Mathematics.

The celestial sphere, astronomical instruments, introduction to fundamental problems of practical Astronomy and general laws of Celestial Mechanics, sun, earth, other planets, moon, stars, comets, nebulae; illustrated by the instruments of the observatory.

III. *Practical Astronomy.*

Text-book: Campbell's Practical Astronomy.

Methods of observation with the different instruments; methods of making corrections and reduction of observations; determination of time, latitude and longitude.

Second Half-Year.

II. *Meteorology.* Tu., We., Th., Fr., 8:00.

Text: Davis, Elementary Meteorology.

Temperature, air pressure, winds, clouds, moisture, precipitation, atmospheric optics and electricity; general, secondary and special circulation of the atmosphere; weather and weather predictions; general climate and climate of the United States.

IV. *Theoretical Astronomy.*

General laws of Kinetics; of Central forces; problems of two bodies; theories of solar heat; double star orbits.

Lectures, supplemented by reference reading.

ENGLISH LITERATURE, HISTORY, RHETORIC, LOGIC.

PROFESSOR PARSONS.

LITERATURE.

First Half-Year.

- I. *English and American Orators.* Mo., We., Fr., 9:15.
Required of Freshmen in the Scientific Course.

The purpose of courses I. and II. is to give some knowledge of the masters of the oration and the essay; to show how great thought may be greatly expressed; to trace, so far as may be, the parts in the whole and the whole in the parts—the unity of the one, the divisions of the other, the orderly disposition of the subject-matter, its diction, illustrations and examples.

- III. *History of English Literature to the Seventeenth Century.* Mo., Tu., We., Fr., 10:10.

Studies, Beowulf and fragments of Early English; Chaucer's Canterbury Tales; Spenser; Shakespeare begun.

- V. *History of American Literature.* Mo., Tu., We., Fr., 11:05.

Studies, Irving, Bryant, Emerson, Hawthorne, Whittier, Longfellow, Lowell, Holmes.

Second Half-Year.

- II. *English and American Essayists.* Mo., We., Fr., 9:15.
Required of Freshmen in the Scientific Course.

- IV. *History of English Literature, Seventeenth and Eighteenth Centuries.* Mo., Tu., We., Fr., 10:10.

Studies, Shakespeare continued; Milton, Bunyan, Dryden, Addison, Pope, Johnson, Goldsmith.

- VI. *English Authors of the Nineteenth Century.* Mo., Tu., We., Fr., 11:05.

Studies, Scott, Wordsworth, Byron, Shelley, Dickens, Thackeray, George Eliot, Macaulay, Carlyle, Arnold, Ruskin, Browning, Tennyson.

The best one-volume selection of poems is *British Poets of Nineteenth Century*, Curtis Hilden Page.

Courses III., IV., V., VI., in all, cover the history of English literature from the fifth to the twentieth century. This story is necessarily inwoven with the larger story of national life, its traits, its higher aims, its moral conquests. The chief purpose, however, is to know, with some reasonable fullness, a few great authors by the study of what they have written; and, in slighter fashion, to learn something of their contemporaries and their times. Any text-book of literature is helpful—Brooke, Shaw, Halleck, Johnson, Taine, Tyler, Mathews, Newcomer.

Green's Short History of the English People is valuable. For the study of three or four of Shakespeare's greater plays, such as Hamlet, Macbeth, Othello, Lear, the individual editions are good,—Hudson, Rolfe, the Cambridge, the Arden: for the hastier reading of ten or twelve other plays, to get some idea of their rich variety, a complete edition in one volume is convenient. The minor poems of Milton and the Paradise Lost, entire, are read; hence, a volume of his poems, any edition, is necessary.

The College Library and the city library freely offer their large aid. Will it do to add that a knowledge of the Bible, in itself the noblest literature, is essential to the appreciation of all good literature? The wider the range, and the wiser the choice of a student's previous reading, the greater the benefit of these courses of study.

HISTORY.

First Half-Year.

I. *History of England in the Seventeenth Century.* Mo., Tu., We., Fr., 1:30.

Text-book, Terry. Green, Gardiner, Montgomery, 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 Europe 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.

Second Half-Year.

- II. *History of England to the Twentieth Century.* Mo., Tue., We., Fr., 1:30. A continuation of course I. Text-book and references as above.
- III. *History of Western Europe.* Mo., Tu., We., Fr., 2:25. Text-book: James Harvey Robinson's *History of Western Europe*.

ENGLISH.

First Half-Year.

PRESIDENT CHURCH.

- I. *Rhetoric and Expression.* Tu., We., Th., 8:00. Required of all Freshmen. Text-book: Hart's *Essentials of Prose Composition*, supplemented by lectures, quizzes, etc.

The first half-year is devoted to the study of diction and the structure of the sentence and paragraph, also to the principles of narration and description. Weekly drill in theme-writing and extempore composition will be given, especial attention being given to proper position, voice and enunciation in oral delivery.

Second Half-Year.

PROFESSOR PARSONS.

- II. *Rhetoric.* Mo., Fr., 8:00. Required of all Freshmen.

Verse Composition, study and practice of the chief varieties of English verse and stanza. Practice in criticism; subjects chosen from entrance requirements in English. Exercises on forms of discourse. One theme per week; one oral exercise per week.

LOGIC.

PROFESSOR PARSONS.

First Half-Year.

- I. *Logic.* Mo., Tu., We., Fr., 2:25. 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 except the mathematics.

NATURAL SCIENCE.

PROFESSOR BROOKOVER.

One year of Elective Natural Science required of candidates for the degree of B. S.

The courses in Natural Science are so arranged that students who plan early in their course, can probably cover them all without conflict. Zoology and Botany should be taken first in the Sophomore and Junior years. Geology should follow in the Senior year. Proficiency in Natural Science cannot be acquired in shorter time than is devoted to a foreign language. This time is usually not less than one subject for a period of three or four years.

First Half-Year.

1. *Biology I.* Four hours of laboratory work, Mo., Tu., or Th., Fr., 1:30 to 3:20. Required of Freshmen.

Text-book: Jordan and Kellogg's *Animal Life*.

This course is one in Zoology. The course is planned to accomplish two things. The first aim is to train pupils to accuracy of observation in laboratory work. The second is to gain some definite idea of the structure and function of living organism. As many of the fundamental animal types are studied and drawn as the time will permit. Two consecutive hours of laboratory work count as one recitation. Pupils learn the use and care of the compound microscope, and a study of some of the unicellular forms precedes lectures on the cell as the unit of biology.

2. *Zoology I.—Invertebrate Zoology.* Mo., Tu., Th., Fr., 8:00.

This is a course in Systematic Zoology. 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 the latest pattern of Minot Automatic Rotary Microtome. This course with Zoology II. forms an indispensable preparation for Geology II.

3. *Botany I.—Histology and Physiology.* Mo., Tu., Th., Fr., 11:05.

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.

4. *Geology I.—Structural and Dynamical Geology and Mineralogy.* Mo., Tu., Th., Fr., 9:15.

Text-book: Le Conte's Elements.

One day each week is devoted to mineral classification, blow-pipe analysis in the laboratory and to crystallography. A knowledge of chemistry is a prerequisite. Structural and Dynamic Geology are studied in the field as largely as conditions will permit. Excursions are made to the points of special interest near Akron.

5. *Neurology.* Mo., Tu., Th., Fr., 10:10.

This course is a preparation for Psychology. Half of the time is devoted to laboratory work. Drawings are made of sections of the brains of different vertebrates. Later the anatomy and physiology of the sense organs are taken up. Lantern slides and charts illustrate the lectures. The course is a prerequisite for Psychology.

Second Half-Year.

6. *Biology II.* Mo., Tu., or Th., Fr. Three hours, one recitation at 8:00 and laboratory two hours each day at 1:30 to 3:20. Required of Freshmen.

This is a continuation of the biological studies commenced in Biology I. The Botanical side of the work commences with microscopic forms of Algæ 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.

7. *Zoology II.—Vertebrate Anatomy.* Mo., Tu., Th., Fr.,
8:00.

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.

8. *Botany II.—Systematic Botany.* Mo., Tu., Th., Fr.,
11:05.

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

9. *Geology II.—Historical Geology.* Mo., Tu., Th., Fr.,
9:15. Text-book: Le Conte.

Open only to those who have completed Geology I., and Zoology I. and II. It is better to have Botany II. precede this course.

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 is encouraged.

10. *Physiology.* Mo., Tu., Th., Fr., 10:10.

This course may follow Neurology or be taken independently of it. It deals with the physiology of muscles, of respiration and circulation, and of digestion. If it is taken either before or after the Neurology it completes a course in General Physiology. About half of the time is to be devoted to laboratory work.

POLITICAL ECONOMY AND SOCIOLOGY.

PROFESSOR OLIN.

One year of Political Economy required of candidates for the degree of Ph. B.

Such students as desire to take all the work in this department are advised to take courses I. and II. in the Junior year and course III. in the Senior year.

The courses, in this department, after course I., are given in alternate order, thus enabling the student to take one and a half year's work in place of one. 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.

First Half-Year.

Economics I.—Political Economy. Tu., We., Th., Fr., 9:15.

Text-books: Ely's Outlines and Bullock's Introduction to Political Economy, supplemented by essays, collateral readings and observations.

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. Preceding the study of the text, a course of lectures is given upon the evolution of modern industrial society, embracing a study of the development of our modern industrial conditions from the twelfth century to the present time. Each student is required to devote considerable time to some local problem.

Second Half-Year.

Economics II. (Omitted in 1905-1906) a.—*Political Science.*

Tu., We., Th., Fr., 9:15. Four hours a week. Text-books: Fisher's Evolution of the Constitution, Cooley's Constitutional 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.

b.—*A Study of Federal Government.* Tu., We., Th., Fr.,
9:15. Four hours a week.

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 III. (Given in 1905-1906) a.—*Sociology.* Tu.,
We., Th., Fr. Four hours a week. Text-book: Fair-
bank'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.

b.—*Economic Problems.* Tu., We., Th., Fr., 9:15. Four
hours a week.

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.

ORATORY.

MISS RAY.

First Half-Year.

I. *Technique and Art of Expression.* Mo., Tu., We., Th.,
1:30. Oration. Literary interpretation.

Second Half-Year.

II. *Literary Interpretation. Dramatic Work.* Mo., Tu.,
We., Th., 1:30. Open to those who have completed
course I.

The object of this course is to acquire such harmony between mind and body that the body shall become the intelligible and agreeable medium of expression for the soul. Care is taken to develop

by proper breathing a musical, resonant and flexible tone of voice, and to develop grace and force in the intelligent interpretation of thought and feeling.

Text-book theories are supplemented by physical exercises, by analyzing thought compositions, and by the interpretation of authors.

The work will be pursued in connection with the work in Rhetoric and Literature throughout the course, and professional instruction will be furnished the students for drill in their preparation for public contests in the College.

DEPARTMENT OF PHYSICAL TRAINING.

PROFESSOR ROCKWELL.

The regular gymnasium drill for young men will begin the Wednesday following Thanksgiving Day and will close the last of March. This work is required of all first year students of the College and all preparatory school students, but may be elected by others.

The drill consists of light setting-up exercises, 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 \$3.50 for the entire period of four months.

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

The Individual Cup is to be awarded to the Athlete making the greatest number of points in the Track Meet, and must be won by him three years in succession in order to become his permanent property. In 1904 this cup was awarded to Raymond Harpham, '07.

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 1904 this cup was awarded to the class of 1907.

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 1904 this Medal was awarded to Raymond Harpham, '07.

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 CULTURE FOR YOUNG WOMEN.

MISS RAY.

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, 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.

BUCHTEL
ACADEMY



BUCHTEL ACADEMY.

TEACHERS AND OFFICERS OF BUCHEL ACADEMY

For the Year 1904, 1905 and 1906.

AUGUSTUS B. CHURCH, A. M., D. D.,
President.

GODFREY CHARLES SCHAIBLE, A. B.,
Principal, and teacher of Physical Science and History.

CHARLES M. KNIGHT, A. M., Sc. D.,
Director of Physics.

JOSEPH C. ROCKWELL, A. M.,
*Director of Greek and Latin,
And Director of Gymnasium for Young Men.*

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

ELIZABETH KINGSBURY, A. M.,
Teacher of Literature and German.

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

ETHEL JEFFERSON, Ph. B.,
Teacher of Mathematics and Science.

CHARLES R. OLIN, B. S.,
Teacher of Mathematics.

ANNA M. RAY,
Teacher of Expression and Physical Culture for Young Women.

MAY F. SANFORD,
Teacher of Drawing.

GENERAL INFORMATION.

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

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

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

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

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

During the course of study, written reviews and unannounced examinations or tests are held at the discretion of the teachers, and announced examinations are required in the case of absence or failure.

Original literary exercises are required of all students after the Preparatory year in connection with the reading of the books named on page 36.

Literary societies are formed with all classes under the direction of the instructors.

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

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

Those who desire to fit for the scientific schools will be given such work as will prepare them in the most direct and thorough way. Although the especial design of the Academy is to fit for Buchtel College, those who are preparing for other schools will be allowed to select from the courses offered such studies as will meet all requirements of the college chosen.

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

The Academy Course now includes four years' study, but provision is made whereby good students who have practically completed the studies of the Preparatory year before entrance may make the direct preparation for most colleges in three years.

REGULATIONS.

Regular class attendance, courteous deportment, and earnest endeavor are expected 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.

CLASSICAL COURSE.

First Year.

FIRST HALF—Collar and Daniell's First Latin Book.

SECOND HALF—Pearson's Latin Lessons completed.

Second Year.

FIRST HALF—Cæsar—Pearson's Latin Prose Composition.

SECOND HALF—Cæsar—4 books completed, Prose Composition continued, 23 lessons.

Third Year.

FIRST HALF—Cicero—4 orations against Catiline, Prose Composition continued.

SECOND HALF—Cicero—8 orations completed, including Pompey's Military Command, Archias, Marcellus and one Philippic. Prose Composition completed.

Fourth Year.

FIRST HALF—Vergil—books I., II., half of III.

SECOND HALF—Vergil—6 books completed—Roman History.

PHILOSOPHICAL COURSE.

First Year.

FIRST HALF—Collar and Daniell's First Latin Book.

SECOND HALF—Cæsar 40 chapters of the first book.

Second Year.

FIRST HALF—Cæsar completed, books I., II., III. Cicero—first oration against Catiline.

SECOND HALF—Cicero—six orations completed; four against Catiline; Pompey's Military Command; The Citizenship of Archias.

Third Year.

FIRST HALF—Vergil—Books I., II., and half of III.; Pearson's Latin Prose Composition.

SECOND HALF—Vergil—six books completed; Latin Prose Composition completed.

SCIENTIFIC COURSE.

Two years of the above course, i. e., through Cicero, or its equivalent in German will be required in the Scientific Course.

GREEK.

Two full years of Greek are required in preparation for the Classical Course. The Course includes:

FIRST YEAR—White's First Greek Book; Xenophon's Anabasis, Books I., II., III.

SECOND YEAR—Greek Prose; Homer's Iliad, Books I., II., and III.

MATHEMATICS.

Arithmetic—Five hours a week during the first half-year.

Text: Robinson's New Higher Arithmetic.

Percentage, interest, discount, bank discount, equation of payments, ratio, proportion, progressions, mensuration, arithmetical analysis, square root and metric system.

Algebra I.—Five hours a week.

Text: Wentworth's New School Algebra.

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

Algebra II.—Five hours a week.

Text: Wentworth's New School Algebra.

Review of factoring, common factors and multiples, fractions, fractional equations, literal equations, general problems, simultaneous simple equations, involution and evolution, theory of exponents, surds and quadratic equations.

Algebra III.—Five hours a week.

Text: Taylor's Elements 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 Freshman Algebra. The term's work will include—Surds, imaginaries, review of quadratic equations, equations in quadratic form, simultaneous quadratics, problems, ratio and proportion.

Geometry I.—First half-year, five hours a week.

Text: Wells' Essentials of Plane and Solid Geometry, Books I., II., and III.

Geometry II.—Second half-year, five hours a week.

Text: Wells' Essentials, Books IV., V., VII., VIII., IX.

Bookkeeping.—First half-year, three hours a week.

The course in Bookkeeping is introduced for the purpose of giving the student a practical knowledge of the fundamental principles of Single and Double Entry systems of accounts. The student will also become familiar with the actual business forms used in the business of every-day life.

BUSINESS LAW.

FIRST HALF-YEAR—Two hours a week.

This course is intended to supplement the course in Bookkeeping and to afford an opportunity for the student to become informed as to some of the legal principles affecting ordinary business transactions.

ENGLISH.

ENGLISH ANALYSIS.

One-half year is given to the construction of English sentences, including analysis, synthesis, difficult constructions, and the complete uses of the various parts of speech.

RHETORIC AND COMPOSITION.

This work is begun in the second term of the Preparatory year, with Scott and Denney's Elementary English Composition as text-book.

Lockwood's Composition and Rhetoric is used throughout the Junior year. Besides the text-book work, written themes partly based on the readings in English Classics are required in the Junior year and continued during the first term of the Middle year and the first term of the Senior year. During the last term of the Senior year two days in the week are devoted to theme-writing and one day a week to oratory.

LITERATURE.

The second term of the Middle year is devoted to the study of the History of English Literature. The reading of English Classics begins in the first year and continues throughout the course, subject to the changes in the Requirements in English for College Entrance.

READINGS:

English II.—Scott—Lady of the Lake and Ivanhoe.

English III.—Addison's Sir Roger de Coverley.

English IV.—Macaulay's Essay on Addison; Lowell's Vision of Sir Launfal.

English V.—George Eliot's Silas Marner; (Macaulay's Essay on Milton); Shakespeare's Merchant of Venice; Irving's Life of Goldsmith.

English VI.—Milton's Minor Poems; Coleridge's Rime of the Ancient Mariner.

English VII.—Shakespeare's Macbeth and Julius Cæsar; Macaulay's Life of Johnson; Milton's Comus; Burke's Speech on Conciliation; Tennyson's Idylls of the King.

SCIENCE.

PHYSIOLOGY. Required of all students. Students must become familiar with the parts of the body, the functions of the organs, and the proper care of all parts. The compound microscope will be used in examination of cells and tissues.

BOTANY. Required of all students. This course deals largely with flowering plants, the necessary conditions of soil and proper temperature for plant growth. Tests are made of the food elements in plants commonly used for food. All experiments are carefully written up.

PHYSICS. Required of scientific and philosophical students. First half-year will consist of recitations and laboratory work in mechanics, pneumatics and sound, while the second half will be devoted to heat, light, and electricity. Students will become familiar with the use of scientific instruments.

CHEMISTRY (Hessler and Smith). A course of one year in Elementary Chemistry is provided for students who are preparing for Scientific schools. They are given regular practice in the College Laboratories.

GERMAN.

Two years of German are offered to students desiring it for entrance to other colleges, or as an alternative with two years of Latin for entrance to the Scientific Course of Buchtel College.

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

TEXT-BOOKS.

Junior Year.

FIRST TERM—Joynes-Meissner's Grammar, Part I.; Glück-Auf to page 37.

SECOND TERM—Grammar reviewed; Glück-Auf finished; Zschokke's Der Zerbrochene Krug; Gerstaecker's Germelshausen.

Middle Year.

FIRST TERM—Grammar, Part II.; Storm's In St. Jürgen; Niese's Aus dänischer Zeit; Hillern's Höher als die Kirche; Prose Composition.

SECOND TERM—Flachsmann als Erzieher; Dippold's Scientific Reader to Geologie; Prose Composition.

HISTORY AND CIVICS.

An advanced course in U. S. History is given in the first year of the Philosophical and the Scientific courses.

ANCIENT HISTORY. 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. Emphasis is placed on the development of institutions rather than on the memorizing of isolated facts and dates.

MODERN HISTORY. Required of philosophical and scientific students. From 800 A. D. to the present time. A good part of the time is given up to the history of England, the French revolution, and European conditions of the present time. Special reports on assigned topics will be required of every student in both Ancient and Modern History.

CIVICS includes an analysis and study of the U. S. Constitution and the forms of State and local government.

ACADEMY COURSES OF STUDY.

CLASSICAL COURSE.

Preparatory Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Arithmetic	5	English Composition	3
English, Analysis	5	English Readings	2
Latin	5	Civics	4
		Latin	4
		Drawing	2

Junior Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Latin	4	Latin	5
Algebra	5	Algebra	5
English	3	English	3
Physiology	3	Botany	3
Gymnasium	2	Gymnasium	2

Middle Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Latin	5	Latin	5
Geometry	5	Geometry	5
Greek	4	Greek	4
English	3	English	3
Gymnasium	2	Gymnasium	2

Senior Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Latin	5	Latin	5
Greek	4	Greek	4
Ancient History	4	Advanced Algebra	5
English	3	Oratory and Themes	3
Gymnasium	2	Gymnasium	2

PHILOSOPHICAL COURSE.

Preparatory Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Arithmetic	5	U. S. History	4
English Grammar	5	English Composition	3
Commercial Geog. or Eng. Hist.	5	English Readings	2
		Civics	4
		Drawing	2

Junior Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Latin	5	Latin	5
Algebra	5	Algebra	5
English	3	English	3
Physiology	3	Botany	3
Gymnasium	2	Gymnasium	2

Middle Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Latin	5	Latin	5
Geometry	5	Geometry	5
English	3	English	3
Physics	4	Physics	4
Gymnasium	2	Gymnasium	2

Senior Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Latin	5	Latin	5
Bookkeeping and Business Law	5	Advanced Algebra	5
English	3	Oratory and Themes	3
Ancient History	4	Med. and Mod. Hist.	4
Gymnasium	2	Gymnasium	2

SCIENTIFIC COURSE.

Preparatory Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Arithmetic	5	U. S. History	4
English Grammar	5	English Composition	3
Commercial Geog. or Eng. Hist.	5	English Readings	2
		Civics	4
		Drawing	2

Junior Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Latin or German	5	Latin or German	5
Algebra	5	Algebra	5
English	3	English	3
Physiology	3	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	5	Geometry	5
English	3	English	3
Chemistry	4	Chemistry	4
Gymnasium	2	Gymnasium	2

Senior Year.

First Half-Year.	Hrs.	Second Half-Year.	Hrs.
Physics	4	Physics	4
Bookkeeping and Business Law	5	Advanced Algebra	5
English	3	Oratory and Themes	3
Ancient History	4	Med. and Mod. Hist.	4
Gymnasium	2	Gymnasium	2

Rhetorical work is required of all students.

MUSIC SCHOOL
AND
ART SCHOOL
OF
BUCHTEL COLLEGE

BUCHTEL SCHOOL OF MUSIC.

LUCY IONE EDGERTON, DIRECTOR AND INSTRUCTOR IN PIANO,
ORGAN, AND HARMONY.

HAROLD G. HUTCHINS, INSTRUCTOR IN VOICE BUILDING.

MARIE AREND, TEACHER IN VOCAL MUSIC.

OBJECTS OF THE SCHOOL.

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.

In carrying out these aims the school has a corps of instructors who are specialists of ability and high standing in their particular lines.

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 L. Ione Edgerton 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 L. Ione Edgerton, Director, Buchtel College, Akron, Ohio.

PIANO AND ORGAN.

MISS EDGERTON.

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 Edgerton is a graduate of the Oberlin Conservatory of Music, having taken the full courses covering her lines of work. In addition to this she has had sixteen years of practical and successful experience in teaching her branches, and for nearly that time has been a popular organist of the city.

TERMS.

MISS EDGERTON.

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

MR. HUTCHINS.

Voice Building—per term of 20 lessons.....\$30.00
Arrangements for other work made with Mr. Hutchins.

MISS AREND.

Vocal Lessons—per term of 20 lessons.....\$20.00

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.



ART STUDIO.

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, or call at the Studios, Academy Building, College Grounds, on or after September 15.

REGISTER OF STUDENTS OF BUCHEL COLLEGE

For 1904-1905.

SENIOR CLASS.

	COURSE.	
Crist, Robert	S	Cuyahoga Falls.
Dawson, Emily Sarah	P	Sterling.
Faunce, Charles Darwin	S	Conneautville, Pa.
Lynn, Ella Viva	P	Akron.
*Reynolds, Dana Farnum	C	Leroy.
Reynolds, Harriet Emeline	C	Leroy.
Rockwell, Mary	C	Akron.
		Senior.....7.

JUNIOR CLASS.

	COURSE.	
Adams, Mina L.	P	Akron.
Brouse, Clara Florine	P	Akron.
Brown, Albert	S	Mt. Gilead.
*Carns, Ethel May	P	Akron.
Carter, Homer Wilbur	S	Everett.
Clark, Hazel Ione	S	Pittsburg, Pa.
*Ebright, Ruth Bissell	S	Akron.
Evans, Esther Alice	S	Akron.
Heacock, Edith Hannah	C	Chicago.
Hemington, Lucretia Emmerson	P	Akron.
Knight, Hal	S	Akron.
*Knight, Maurice Acomb	S	Akron.
Parshall, Edward Pardee	S	Akron.
Saunders, Amy Lillian	S	Akron.
*Wells, James Raymond	P	Akron.
		Junior.....15.

SOPHOMORE CLASS.

	COURSE.	
Conner, Chester Farnham	P	Akron.
Ganyard, Geneveah Garnetta	P	Akron.
Longcoy, Grant	S	Kent.
Mallison, Blanche Janet	C	Akron.
Olin, Blanche Marie	P	Akron.
Rickert, Ura Garfield	S	Medina.
Rockwell, Ida	P	Akron.
Schreiber, Oscar Randolph	S	Toledo
Simmons, Hezzleton Erastus	S	Leroy.
Smetts, Adah	P	Akron.
Smith, Hazel	P	Akron.
*Sommerville, Ralph Moore	S	Akron.
*Spangler, George Howard	S	Clinton.
Tillson, Hallie	P	Greenwich.
Whiton, Agnes Lillian	P	North Amherst.
Zepp, Amanda Elida	P	Wadsworth.
		Sophomore.....16.

* Not in full class standing.

FRESHMAN CLASS.

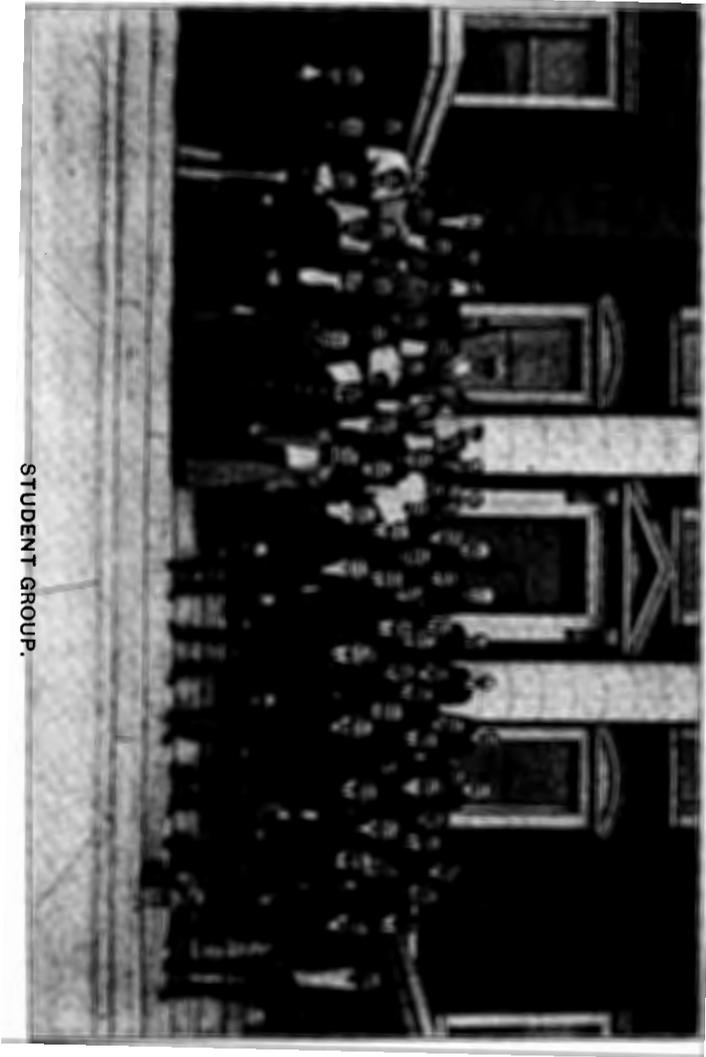
	COURSE.	
Bailey, Katherine Ruth.....	P.....	Akron.
Bell, Albert Westfield.....	S.....	Peninsula.
Bulger, Charles Levi.....	S.....	Canton.
Goehring, Frank Sturgeon.....	S.....	Akron.
Griffin, Herbert Johnson.....	S.....	Akron.
Guiley, Tenia E.....	P.....	Tallmadge.
Hale, Rose Hazel.....	P.....	Cuyahoga Falls.
Harpham, Raymond Lee.....	S.....	Akron.
Hotchkiss, Ruth.....	P.....	Akron.
Houghton, Harry Benjamin, Jr.....	S.....	Akron.
Huggins, Sylvester Williams.....	S.....	Kent.
Iredell, Mary Katherine.....	P.....	Akron.
Iredell, Robert.....	S.....	Akron.
Jackson, Theron S.....	S.....	Cleveland.
Laidlaw, Ethel Orinda A.....	P.....	Akron.
Myers, Carl Metz.....	S.....	Akron.
Penrod, Walter Wellington.....	S.....	Sterling.
Prier, Maude Irene.....	P.....	Akron.
Quayle, Thomas James, Jr.....	S.....	Cuyahoga Falls.
Reynolds, Don Sidney.....	P.....	Leroy.
Roach, Elizabeth Meikle.....	C.....	Akron.
Roach, Ethel Minerva.....	C.....	Akron.
Sauder, Edith May.....	P.....	Akron.
Schnee, Frederick.....	P.....	Akron.
Shuman, Cottie Pruella.....	S.....	Akron.
Steele, Lester Henderson.....	S.....	Cuyahoga Falls.
Steele, Jessie Benton.....	S.....	Mogadore.
Stoner, Roxy May.....	S.....	New Madison.
Sumner, Beatrice.....	S.....	Akron.
Sumner, Mac Albert.....	S.....	Akron.
Terbush, Martin Linabury.....	S.....	Akron.
Tomlinson, Irene Lucretia.....	S.....	Perry, N. Y.
Turner, Alexander Leigh.....	P.....	Ravenna.
Walk, Grace Della.....	S.....	Akron.
Wilcox, Mabel.....	P.....	Cuyahoga Falls.
		Freshman..... 35.

SPECIALS.

Allen, Julia Tift.....	Akron.
Butler, Henry Karl.....	Akron.
Horn, Ray Clifford.....	Akron.
Lloyd, Ethel Mae.....	Barberton.
Pfeiffer, George Frederick.....	Uniontown.
Pouchot, Grace Catherine.....	Akron.
Russ, Jesse Eldon.....	Kent.
Slabaugh, Ruth Alicia.....	Akron.
	Specials..... 8.

ACADEMY STUDENTS TAKING COLLEGE WORK.

Chapman, George Byron.....	<i>Akron.</i>
Dahlquist, Charles Seiver.....	<i>Akron.</i>
Gillen, Keziah Marian.....	<i>Akron.</i>
Jahant, Charles.....	<i>Akron.</i>
Jones, Cyrinthia.....	<i>New Lebanon, Ind.</i>
King, Lucian Loomis.....	<i>Akron.</i>
MacNeil, Glenn Marie.....	<i>Akron.</i>
Miller, Margaret.....	<i>Akron.</i>
Smith, Hugh M.....	<i>Sterling.</i>
Tuttle, Elizabeth.....	<i>Akron.</i>
Weeks, Lula Lovina.....	<i>Akron.</i>
Wilbur, Earl Holden.....	<i>Weymouth.</i>
	Total.....12.



STUDENT GROUP.

REGISTER OF STUDENTS OF BUCHEL ACADEMY

For 1904-1905.

SENIOR CLASS.

	COURSE.	
Carpenter, Ford L.	S.	Akron.
Chandler, Harriet G.	Ph.	Akron.
Chapman, Jennie E.	Ph.	Mogadore.
Collier, Gertrude E.	Ph.	Akron.
Dahlquist, Charles S.	S.	Tallmadge.
Davis, Lisle L.	S.	Cuyahoga Falls.
Gillen, Keziah M.	Ph.	Akron.
*Hale, Ralph, P.	S.	Cuyahoga Falls.
Heald, Lloyd L.	C.	Akron.
Jones, Cyranthia	S.	New Lebanon, Ind.
King, Lucian L.	S.	Akron.
Knight, Helen L.	S.	Akron.
Loomis, Fannie L.	Ph.	Akron.
MacNeil, Glenn M.	Ph.	Akron.
Olin, Robert R.	Ph.	Akron.
Pfaff, Hermann H.	S.	Whipple.
Randall, Carlton W.	S.	Akron.
Reemsnyder, Viola M.	Ph.	Akron.
Smith, Hugh M.	S.	Sterling.
Thomas, John Warren.	S.	Akron.
Tuttle, Elizabeth F.	S.	Akron.
White, William R.	S.	Akron.
Wilbur, Earl H.	S.	Weymouth.
Williard, Anna E.	Ph.	Akron.
Yerrick, Clayton	S.	Myersville.
		Senior Academy . . . 25.

MIDDLE CLASS.

Appleton, Hazel B.	Cuyahoga Falls.
Cowan, Anna	Hudson.
Ebright, Mary R.	Akron.
Hallinan, William V.	Akron.
Haspelmath, Elizabeth M.	Akron.
Lepper, Frank B.	Akron.
McChesney, Lura L.	Akron.
Miller, Ruth	Akron.
	Middle Academy 8.

JUNIOR CLASS.

Bauer, Fred O.	Mogadore.
Cassidy, Elizabeth I.	Akron.
Flickinger, Tressie S.	Barberton.
Fritz, E. Grace.	Akron.
Hawkins, George H.	Akron.
Inman, Hesper K.	Akron.

*Not in full class standing.

Jackson, Leland C.....	Findlay.
Moore, Mary W.....	Salem.
Noble, Will H.....	Akron.
Patterson, Arthur E.....	Akron.
Richmond, Ralph M.....	Old Portage.
Robinson, Helen E.....	Akron.
Roose, Murel A.....	Peninsula.
Sims, Mary R.....	Cuyahoga Falls.
Welsh, Edward J.....	Akron.

Junior Academy...15.

PREPARATORY CLASS.

Brewster, David D.....	Thomastown.
Brewster, James G.....	Thomastown.
Bucklin, Ardis A.....	Cuyahoga Falls.
Cranz, Pauline.....	Akron.
Emmett, Mary I.....	Springfield
Ganyard, Ervin D.....	Medina.
Johnston, Joseph J.....	Akron.
Klein, Raymond W.....	Northampton.
Lang, William A.....	Akron.
McGarry, James F.....	Akron.
Olin, S. Estella.....	Akron.
Olson, Arthur J.....	Akron.
Sawyer, Lucy M.....	Akron.
Selden, Howard G.....	Akron.
Sullivan, May.....	Boston.
Tritt, Edith M.....	Akron.
Wylie, Marcia E.....	Akron.

Preparatory Academy...17.

UNCLASSIFIED.

Allyn, Harry C.....	Fairlawn.
Auble, Gertrude R.....	Akron.
Carnahan, Harry R.....	Akron.
Elvin, Helen E.....	Akron.
Immler, Leola M.....	Akron.
Immler, Samantha M.....	Akron.
Jahant, Charles J.....	Akron.
Laidlaw, Gladys A.....	Akron.
Logan, Arthur D.....	Akron.
Meibert, Martha E.....	Clinton.
Miller, Margaret.....	Akron.
Reilly, Anthony R.....	Akron.
Rockwell, Wade.....	Akron.
Sippy, Burne O.....	Akron.
Tinker, Abby L.....	Akron.
Weeks, Lulu L.....	Akron.
Wright, Gladys I.....	Akron.

Unclassified Academy...17.

COLLEGE STUDENTS.

Ganyard, Geneveah G.....	<i>Akron.</i>
Guiley, Tenia E.....	<i>Tallmadge.</i>
Harpham, Raymond L.....	<i>Akron.</i>
Houghton, Harry B.....	<i>Akron.</i>
Iredell, Robert	<i>Akron.</i>
Jackson, Theron S.....	<i>Cleveland.</i>
Laidlaw, Ethel O. A.....	<i>Akron.</i>
Myers, Carl M.....	<i>Akron.</i>
Reynolds, D. Sidney.....	<i>Leroy.</i>
Rickert, U G.....	<i>Medina.</i>
Schnee, Frederick	<i>Akron.</i>
Steele, Jessie B.....	<i>Mogadore.</i>
Turner, Alexander L.....	<i>Ravenna.</i>
Wilcox, Mabel	<i>Cuyahoga Falls.</i>
Zepp, Amanda E.....	<i>Wadsworth.</i>

College Students also in Academy....15.

MUSIC STUDENTS.

Allison, Adelaide	Akron.
Adams, Rosa	Akron.
Carl, Bessie	Akron.
Caine, Harriett	Barberton.
Carter, Bina	Akron.
Church, Evelyn	Akron.
Cole, Helen	Akron.
Crapper, Grace	Akron.
Daily, Loia	Barberton.
Enzenauer, Emma	Akron.
Folger, Elizabeth	Akron.
Glantz, Edmund	Akron.
Griner, Metta	Akron.
Heacock, Edith	Chicago.
Himmelman, Elizabeth	Akron.
Horix, Louise	Akron.
Kelley, Louise	Akron.
Kelley, Mary	Akron.
Knight, Hal	Akron.
La Croix, Augustus L.	Akron.
Leonard, Myrtle	Akron.
Loomis, Fannie	Akron.
Luxmore, Geraldine	Akron.
May, Mary L.	Akron.
McGarry, Margaret	Akron.
Reed, Josephine	Akron.
Rines, M. Alice	Akron.
Sauder, May	Akron.
Saunders, Amy	Akron.
Shenkel, Laura	Akron.
Sisler, Bessie	Akron.
Stahl, Gertrude	Akron.
Veon, Bertha	Akron.
Williard, Anna	Akron.
Wright, Gladys	Akron.
Zettle, Nellie	Akron.
Total.....35.	

ART STUDENTS.

Bucklin, Ardis	Cuyahoga Falls.
Bauer, Fred	Mogadore.
Cowan, Anna	Akron.
Cranz, Pauline	Akron.
Emmett, Iris	Springfield.
Fritz, Grace	Akron.
Flickinger, Tressie	Barberton.
Inman, Hesper	Akron.
Immler, Leola	Akron.
Klein, Raymond	Cuyahoga Falls.
Miller, Ruth	Springfield.
Pfaff, Hermann	Whipple.
Sullivan, May	Hudson.
Tritt, Edith	E. Akron, R. F. D.
Olin, Estella	Akron.
Olson, Arthur	E. Akron.
Johnston, Joseph	Akron.

PRIVATE STUDENTS IN ART.

Bradley, Iza	Akron.
Brunskill, Hazel	Akron.
Fritzinger, Leroy	Kent.
Fiebeger, Ruth	Akron.
Good Albert	Akron.
Hale Andrew	Akron.
Humphrey, Leo	Akron.
Krebs, Lillie	Akron.
Lubesh, Anna	Akron.
Olin, Estella	Akron.
Olin, Ralph	Akron.
Oakley, A. T.	Akron.
Russ, J. E.	Kent.
Stoner, Roxie	New Madison.
Sanford, Mabel	Akron.
Smith, Helen	Akron.
Selden, Howard	Akron.
Williamson, Pansy	Akron.
Williamson, Daisy	Akron.
Whyte, Lauretta	Akron.
Total	37.

SUMMARY.

1904-1905.

COLLEGIATE STUDENTS.

Senior Class	7	
Junior Class	15	
Sophomore Class	16	
Freshman Class	35	
Special Students	8	
Total Collegiate	—	81
Classical Students	7	
Philosophical Students	28	
Scientific Students	38	
Special Students	8	
Men	37	
Women	44	

ACADEMY.

Senior Class	25	
Middle Class	8	
Junior Class	15	
Preparatory Class	17	
Unclassified Students	17	
College Students in Academy Classes	15	
Total Academy	—	97
Men (exclusive of College Students)	39	
Women (exclusive of College Students)	43	

SCHOOL OF MUSIC.

Men	3	
Women	32	
Total	—	35

SCHOOL OF ART.

Men	12	
Women	25	
Total	—	37

Number counted more than once	250	
	43	
Total number in all Departments	—	207

DEGREES CONFERRED.

CLASS OF 1904 AND TITLES OF THESES.

BACHELOR OF PHILOSOPHY.

- CLARENCE CLAY CARLTON.....*Akron*
Ship Subsidies.
- KATHERINE KENT HUGGINS.....*Kent*
Pliny's Social Relation with the Stoics.
- CHARLOTTA HARRIET OLIN.....*Akron*
Sir Walter Scott, His Life and His Works.
- FREDERIC GLENN SWANSON.....*McGraw, Pa.*
Strikes.
- JOHN WEBSTER THOMAS.....*Tallmadge*
Summit Lake Water and White Pond Water.

BACHELOR OF SCIENCE.

- FRANK HOWARD BROWN.....*East Akron*
Goethe, with Special Reference to His "Faust."
- CHARLES CARLOMAN NARDIN.....*Stryker*
Moliere and His Comedies.
- FRANK ALDIS WELTON.....*Medina*
Chemical Analysis of Soils.

PRIZES.

THE ALUMNI PRIZES.

Awarded for excellence in scholarship.

1903-1904.

In the Senior Preparatory Class to Mac Sumner.

In the Freshman Class to Hallie Tillson.

In the Sophomore Class to Clara Brouse.

In the Junior Class to Charles D. Faunce.

THE OLIVER C. ASHTON PRIZES.

Awarded for excellence in declamation.

1903-1904.

In the Junior Class:—First prize to Esther Evans, and second prize to Harriett Reynolds.

1904-1905.

In the Sophomore Class:—First prize to Ethel Carns, and second prize to Hallie Tillson.

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

In the Senior Class:—First prize to Harriett Reynolds, second prize to Mary Rockwell.

BUCHTEL COLLEGE ALUMNI ASSOCIATION.

Organized July, 1874. Incorporated October 19, 1899.

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 THAD. W. RICE, '97.....Akron
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Annual meeting of the Association, June 21, 1905, 2 P. M.

Stated meetings of the Board of Trustees, June 22, 1905; November 16, 1905; February 15, 1906; May 17, 1906.

DONATIONS.

From April 5, 1904, to April 18, 1905, the College has received the following gifts:

WM. PITT CURTIS FUND.

Mr. Curtis, of Wadsworth, has increased the above fund by the addition of \$5,000 to his former gift of \$20,000.

GIFTS TO THE PHYSICAL SCIENCE DEPARTMENT.

Spectroscope from Dr. S. H. McCollester.
Colorado Ores from Boston Zinc Co.
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Collection of Minerals from C. S. Howland.

LADIES' DORMITORY FUND.

Contributions toward the construction and furnishing of Curtis Cottage amounting to \$4,782.83 have been received as follows:

a. From citizens of Akron,

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b. From friends outside of Akron,

Mr. and Mrs. C. F. Mignin, Stryker, O.; Mrs. Mollie L. Jones, Merom, Ind.; Mr. and Mrs. Wm. Pitt Curtis, Wadsworth, O.; Wm. Getz, Kent, O.; Edgar Heacock, Chicago, O.; Bert Swan, Kent, O.; Rev. O. G. Colgrove, Woodstock, O.; Mrs. Magdalena Olds, Attica, O.; E. A. Kelley, Lakewood, O.; Mrs. Martha Spencer, Attica, O.; Mrs. S. T. Moon, Cuba, O.; The Ohio Universalist Convention; Mrs. Emma L. James, Cincinnati, O.; E. T. Binns, Bryan, O.; Rev. and Mrs. Jno. Richardson, Westville, O.; J. M. Silcox, Attica, O.; Rev. C. F. Henry, Cleveland, O.; P. L. Frazier, Plattsville, O.; Philip McKinney, Bellville, O.; Wilde Stephens, Wilmington, O.; Ohio Woman's Universalist Missionary Alliance; Norwalk W. U. M. A.; Myrtle and Lida Conant, Van Wert, O.; J. L. Sweet, Attleboro, Mass.; Mrs. F. A. Snear, Bryan, O.; Ohio Y. P. C. U.; Women's Centenary Association; Conover, O., Universalist Church; Eldorado, O., Universalist Church; Miami City, O., Universalist Church; Mrs. Paul Tinkham, Rochester, Vt.; Cleveland W. U. M. A.; O. F. Haymaker, Kent, O.

LIBRARY.

Gifts to the Library have been received from the following sources:

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Smithsonian Institute.....	5
U. S. Dept. of Education.....	1
U. S. Dept. of the Interior.....	4
Prof. Chas. B. Wright.....	1

MISCELLANEOUS GIFTS.

From Prof. Chas. C. Bates, of Pasadena, Cal., a large framed engraving, "Cleopatra's Galley"; also an oak table.

From Buckley Relief Corps, of Akron, a "History of the Stars and Stripes," framed.

From C. F. Ames, of Akron, the "Pistol-Cane," which was carried by Hon. John R. Buchtel during his mining operations in the Hocking Valley.

From Mr. Jones, of Cuyahoga Falls, a collection of minerals.

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PRESIDENT'S HOUSE.