CATALOGUE

—OF—

BUCHTEL COLLEGE

1885

AKRON, OHIO.

CATALOGUE

— OF —

BUCHTEL COLLEGE,

AKRON, OHIO.

COLLEGIATE DEPARTMENT.

PREPARATORY DEPARTMENT.

1884-5

PRINTED BY WERNER, AKRON, OHIO.
1885.

"LET THERE BE LIGHT."

Buchtel College

NAMED IN HONOR OF

HON. JOHN R. BUCHTEL,

Founded, owned, and controlled by the Ohio Convention of Universalists, open alike to students of both sexes, and of all religious opinions, and designed to furnish the highest grade of Classical, Scientific, and Literary Scholarship, under the immediate direction of thorough and experienced teachers.

COLLEGE CALENDAR.

1885.

Friday, June 19, 8 P. M.—Senior Preparatory Exercises.
Saturday, June 20, 8 P. M.—Buchtel Union Spring Publics.
Sunday, June 21, 11 A. M.—Baccalaureate Sermon.
Monday, June 22, 2:30 P. M.—Class Day Exercises.
Monday, June 22, 8 P. M.—Address before the Literary Societies.
Tuesday, June 23, 10 A. M.—Annual Meeting of the Alumni Association.
Tuesday, June 23, 8 P. M.—Address before the Alumni Association.
Wednesday, June 24.—Annual Meeting of the Board of Trustees.
Wednesday, June 24, 8 P. M.—Annual Address.
Thursday, June 25, 9 A. M.—Graduating Exercises.

FALL TERM.

Tuesday, September 8.—Registration and Entrance Examinations.
Wednesday, September 9.—Entrance Examinations continued.
Thursday, September 10.—Instruction begins.
Thursday, December 17.—Fall Term ends.

1886.

WINTER TERM.

Tuesday, January 5.—Registration and Entrance Examinations.
Wednesday, January 6.—Instruction begins.
Monday, January 18.—Founder's Day.
Thursday, March 25.—Winter Term ends.

SPRING TERM.

Tuesday, March 30.—Registration and Entrance Examinations.
Wednesday, March 31.—Instruction begins.
Saturday, May 30.—Senior Vacation begins.
Sunday, June 20, to Thursday, June 24.—Commencement Exercises.
Thursday, June 24.—Graduating Exercises.

FALL TERM.

Tuesday, September 7.—Registration and Entrance Examinations.
Wednesday, September 8.—Entrance Examinations continued.
Thursday, September 9.—Instruction begins.

BOARD OF TRUSTEES.

Hon. JOHN R. BUCHTEL	Akron	1885
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OFFICERS OF THE BOARD.

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Instructor in Instrumental Music.

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MRS. ADA E. METCALF,
Instructor in Painting and Drawing.

J. M. BALDWIN,
Instructor in Penmanship.

ENDOWMENTS.

MESSENGER PROFESSORSHIP.

The Messenger-Professorship of Mental and Moral Philosophy was endowed by Mrs. L. A. E. Messenger, 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, of Akron.

PIERCE PROFESSORSHIP.

The Pierce-Professorship of Rhetoric and English Literature was endowed by Mrs. Chloe Pierce, of Sharpsville, Pa.

BUCHTEL PROFESSORSHIP.

The Buchtel-Professorship of Physics and Chemistry was endowed by Mrs. Elizabeth Buchtel, of Akron.

AINSWORTH PROFESSORSHIP.

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

*Deceased.

PERPETUAL SCHOLARSHIPS FOUNDED BY INDIVIDUALS.

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

*Miss E. N. Steadman ..... Marietta.
*James Pierce ..... Sharpsville, Pa.
*Elijah Drury ..... Girard, Pa.
Mrs. Mary C. Martin ..... Hamilton.
James F. Davidson ..... Brimfield.
*†Mrs. Betsy Thomas ..... Irwin.
*John Purdue ..... Lafayette, Ind.
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John K. Smith ..... Auburn.
N. S. Olin ..... Streetsboro.
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*Joseph Espy ..... Kenton.
*Joseph Hidy, Sr ..... Jeffersonville.
Rev. H. P. and Mrs. D. E. Sage ..... Rochester.
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*E. F. Loudenback ..... Westerville.
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*Thomas Kirby ..... Muncie, Ind.
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*George Thomas ..... Greenwich.
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‡Mrs. Charlotte Robson ..... Newport, Ky.
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*Mrs. Louisa E. Forbes ..... Port Washington.
Samuel Grandin ..... Tidioute, Pa.
N. B. and A. E. Johnson ..... Mingo.
Lloyd Nichols ..... Walhonding.
Henry Ainsworth (10) ..... Lodi.
Lydia A. Drake ..... Norwood.
Miss Anna A. Johnson ..... Bay City, Mich.

A scholarship is in progress of endowment by the Alumni of the college.

These scholarships are intended to aid worthy and deserving students.

*Deceased.
†In honor of her father, Eliphas Burnham.
‡In memory of her deceased husband, William Robson.

GENERAL INFORMATION.

BUCHTEL COLLEGE was founded by the Ohio Universalist Convention in 1870, and took its name from its most generous benefactor, Hon. J. R. Buchtel, who has 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 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 25,000, is situated in the midst of hills and valleys, and is one of the most picturesque in the country. From the first, Akron has evinced its interest in the College by bestowing a generous patronage. It is a healthy city, and easy of access, being located on the line of the New York, Pennsylvania & Ohio; Cleveland, Akron & Columbus; Valley; and Pittsburgh, Cleveland & Toledo Railways, and having direct connection with all parts of the country.

COLLEGIATE DEPARTMENT.

The curriculum embraces:

FIRST: A Classical Course.
SECOND: A Philosophical Course.
THIRD: A Scientific Course.

These are four years' courses, and are equal to those adopted by the best institutions of the country.

PREPARATORY DEPARTMENT.

In connection with the College proper, the Trustees have established a Preparatory School, in which students are thoroughly fitted for the college classes. The course is full and practical, consisting of the studies usually found in High Schools and Academies.

NORMAL WORK.

Teachers, and those designing to teach, will receive special attention from thorough and experienced teachers in those studies

which Examining Boards make essential to a thorough professional education. Regular work will be given in Methods of Teaching, and in the Art of School Management, whereby students may be better prepared for good and successful work in their own school rooms. Certificates of proficiency will be given. See also under "Preparatory Department."

PAINTING AND DRAWING.

Instruction is given by a teacher of large experience, in Oil and Water Color Painting and Drawing, including landscape, flowers, and portraiture from nature and approved copies. Sepia drawing, painting on satin, velvet or plush, taught if desired.

MUSIC.

Superior advantages are afforded for the study of Music, both instrumental and vocal. Special attention is given to VOICE BUILDING.

LABORATORY AND APPARATUS.

The College is provided with an Astronomical Telescope, excellent Mathematical Instruments, and Philosophical and Chemical Apparatus of the most approved kind. It has a Laboratory open to students, well furnished with appliances for making chemical experiments and analyses. The department of Natural History is also well supplied with microscopes for the prosecution of biological work.

CABINET OF NATURAL HISTORY.

There is a collection of specimens intended to illustrate the various geological systems and their forms of life. Many of the orders of existing animals are represented by prepared specimens. As the museum increases in size it will be made more and more an aid to study, both by choice and by arrangement of specimens.

LIBRARY AND READING ROOM.

The College Library, containing a well selected assortment of books, together with the Reading Room, supplied with literary and scientific periodicals, is open to all students from 9 A. M. to 9 P. M. The students are expected to make use of these privileges in connection with their regular college work.

ASTRONOMICAL OBSERVATORY.

An Astronomical Observatory which will be furnished with the most approved instruments, is in progress of erection, and will be ready for use at the beginning of the Fall term.

LECTURES.

The instruction of the College aims to combine the advantages of the lecture and recitation systems.

Lectures are delivered before the College students on topics of general interest.

During the past year the following lectures have been delivered :

Supt. E. A. Jones.....“The Age of Steel.”
Rev. J. B. Helwig, D. D.....“The King’s English.”
Prof. R. B. Marsh.....“Orthoepy.”
Frank Smith.....“Andersonville.”
Prof. E. W. Claypole.....“Animal Instinct.”
Rev. D. L. Chapin.....“Fidelity.”
Rev. C. E. Nash..... “My Grandsire, the Worm; or, Between the Joints of Evolution.”

CO-EDUCATION.

The College is open to students of both sexes, who are admitted to equal educational privileges and honors.

The results achieved in Buchtel College testify to the ability of young ladies to compete successfully with young gentlemen for the honors of thorough scholarship.

RELIGION.

While the College is under the auspices of a religious denomination, no restriction is imposed upon the exercise of religious opinions.

Students attend whatever church their parents or guardians may elect. Nearly all denominations, both Protestant and Catholic, are represented in Akron by flourishing churches. While the College recognizes and honors religion, it is, in its internal economy, in no sense sectarian.

Religious opinions are respected, but not taught.

All students are required to attend morning prayers and the reading of the Scriptures in the chapel.

LITERARY WORK.

College Rhetorical Work.—The students are organized into classes for exercises in orations, essays, and debate. These classes are under the direction of the Professor of Rhetoric and English Literature. Each student is required to prepare and deliver original performances at stated times during the college year.

Literary Societies.—There are three literary societies in the College, under the direction and control of the students—the Buchtel Union, for all students in the college department, and in the preparatory department the Everett, for the young gentlemen, and the Cary for the young ladies.

Regular weekly meetings are held by each of these societies.

ADMISSION AND RECORD.

Candidates for admission, who present satisfactory grades from schools of good standing, will be admitted without examination. All others will be examined.

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 the studies of the Preparatory Department 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.

No student who has absented himself from an examination will be permitted to continue in his class without making satisfactory arrangements with the Professor in charge.

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

Monthly reports of the grade of all students who fail, without good reason, to make 70 per cent., will be sent to parents and guardians.

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.

Bachelors of Arts, Bachelors of Philosophy, and Bachelors of Science, graduates of this College, who shall show special proficiency in literary and scientific studies, and present a satisfactory thesis or oration to the Faculty, will be, at a date not earlier than three years after graduation, recommended for the Master's Degree in their respective courses.

Candidates for the Master's Degree must present to the President a formal application, together with an oration or thesis, and a fee of five dollars, at least one month before the annual Commencement.

REDUCED RAILROAD FARES.

The New York, Pennsylvania & Ohio; Cleveland, Akron & Columbus; and Valley Railways, will sell to students at reduced rates round-trip tickets from Akron; and the Pittsburgh, Fort Wayne & Chicago, from Massillon and Orrville.

BOARDING ACCOMMODATIONS.

The College building affords ample accommodations for boarding one hundred and fifty students. There are eighty rooms in the building that can be used for students' purposes. The rooms are heated by steam and lighted by gas. The East Hall, above the first floor, is devoted exclusively to the young gentlemen, while the West Hall is occupied exclusively by young ladies. The Dining Hall will accommodate two hundred students.

Board may be secured in private families for $3.00 per week and upward.

It is, however, desirable that young ladies, especially, shall board and room in the college building. They are more "at home" in the building, and besides they are more thoroughly protected from inclement days in Winter and Spring.

BOARDING CLUBS.

Several clubs are in successful operation, in which board is obtained at prices ranging from $1.75 to $2.00 per week. Others

will be organized whenever there is sufficient demand for them. This mode of living is quite popular at the college, many of the students having adopted it.

GENERAL EXPENSES.

Tuition, Fall Term, College	$15.00
" " Preparatory and Normal	9.00
" Winter and Spring Terms, College	12.50
" " " " Preparatory and Normal	7.50
Music, Instrumental, 20 lessons	15.00
" Vocal, "	18.00
Use of Piano, per term, one hour per day	3.00
Oil Painting, 20 lessons	15.00
Mineral " "	15.00
Water Colors, "	15.00
Drawing, pencil or crayon, "	15.00
Room Rent, per week, in building, each student (depending on location and size of room)	25 to .75
Heat and Light, per week (each person 30c.), per room	.60
Board, per week, in building	3.00
Washing, per dozen, as per schedule	.60
Incidentals, including Library and Reading Room Fee, per term	1.00

REMARKS.

Each room is furnished with bedstead, matresses, pillows, chairs, table, stand, bureau, mirror, and commode. Those intending to room in the College building should bring sheets, pillow-cases, blankets, napkins, towels, &c.

All articles of clothing should be marked with the full name.

The College authorities reserve the privilege of locating two students in each room.

Rooms in the College are heated by steam and lighted by gas. They are commodious, well ventilated, and pleasant. Good board is furnished, sociables are held every evening after tea, good manners are cultivated, and every effort is put forth to make the College a HOME for the student.

To students working in the Chemical Laboratory a small charge will be made, to cover use of chemicals and breakage.

To students working in the department of Natural Science a charge will be made for the use of instruments and material.

Tuition and room rent for the term must be paid in advance. No tuition or room rent will be refunded, except for absence on account of protracted sickness.

For information in regard to accommodations and expenses, address A. B. TINKER, SECRETARY.

For information in relation to admission and course of study, address DR. O. CONE, PRESIDENT.

COLLEGIATE DEPARTMENT.

FACULTY AND OFFICERS.

REV. ORELLO CONE, D. D.,

PRESIDENT,

Messenger-Professor of Mental and Moral Philosophy.

CHARLES M. KNIGHT, A. M.,

Buchtel-Professor of Physics and Chemistry.

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Adjunct Professor of Mathematics.

ALBERT B. TINKER, M. S., LL. B.,

Instructor in Law.

CHARLES C. BATES, A. M.,

SECRETARY.

COLLEGIATE COURSES.

THREE COURSES OF STUDY.

To afford an extensive field for the choice of studies, three regular courses, each of four years, are provided, with three years of preparatory work. These are:

I. The Classical Course, with the Degree of Bachelor of Arts, for graduation.

II. The Philosophical Course, with the Degree of Bachelor of Philosophy.

III. The Scientific Course, with the Degree of Bachelor of Science.

All studies in these courses are elective after the first term of the Sophomore year. Each student is expected to select four studies, sixteen recitations, per week; and those electing studies will be required to satisfy the Faculty that they are qualified to pursue them.

I. THE CLASSICAL COURSE

affords an opportunity for the study of Greek, Latin, German, French, Comparative Philology, Mathematics, Natural Science, Physical Science, English Literature, Logic, Mental and Moral Philosophy, Political Science, etc., as pursued in the leading American colleges.

TERMS OF ADMISSION.

Candidates for the Freshman Class, in the Classical Course, not presenting satisfactory grades, will be required to pass an examination in the following branches:

GREEK.—Grammar, including Prosody, (Goodwin or Hadley); three books of the Anabasis; two books of Homer's Iliad; Prose Composition, as found in Jones' Exercises; Greek History.

LATIN.—Grammar, including Prosody, (Harkness or Allen &

Greenough); three books of Cæsar's Commentaries; six of Cicero's Orations; six books of Virgil's Æneid; the first twenty lessons of Jones' Latin Prose Composition; Roman History.

MATHEMATICS.—Arithmetic, (including the Metric System); Algebra through Quadratic Equations; Plane Geometry.

DRAWING.—Industrial and Free-Hand.

ENGLISH.—Geography; History of United States; Grammar; Orthography.

II. THE PHILOSOPHICAL COURSE

affords an opportunity for the study of Latin, Mathematics, Natural Science, Physical Science, English Literature, German, French, Logic, Mental and Moral Philosophy, Political Science, etc.

TERMS OF ADMISSION.

Candidates for the Freshman Class, in the Philosophical Course, not presenting satisfactory grades, will be required to pass an examination in the following branches:

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

DRAWING.—Industrial and Free-Hand.

NATURAL SCIENCE.—Physiology; Physical Geography.

MATHEMATICS.—Arithmetic, (including Metric System); Algebra through Quadratic Equations; Plane Geometry.

ENGLISH.—Orthography; Grammar; Advanced Analysis; General History; History of United States; Science of Government; Geography.

III. THE SCIENTIFIC COURSE

affords an opportunity for the study of Mathematics, German, French, Natural Science, Physical Science, Logic, Political Science, Mental and Moral Philosophy, English Literature, etc.

TERMS OF ADMISSION.

Candidates for the Freshman Class, in the Scientific Course, not presenting satisfactory grades, will be required to pass an examination in the following branches:

NATURAL SCIENCE.—Physiology; Natural Philosophy; Physical Geography.

DRAWING.—Industrial and Free-Hand.

MATHEMATICS.—Arithmetic, (including Metric System); Algebra through Quadratic Equations; Plane Geometry.

ENGLISH.—Grammar; Advanced Analysis; Elementary Rhetoric; Reading; Orthography; Etymology; Geography; History of United States; General History; Science of Government.

Equivalents for these requirements will be accepted in all the courses.

All students are advised and expected, as far as possible, to pursue a regular course of study, even if it cannot be completed. In cases where this is not practicable, a permit may be obtained, by petition to the Faculty, to select such branches and special lines of study as the student may be found fitted to pursue. On the completion of such studies the student will receive a certificate stating what work has been done. Such irregular students admitted to college classes must be prepared for entrance to the Freshman Class.

After the year 1887-88 the requirements for admission to the Freshman Class in the Scientific Course will correspond to the Preparatory Course as published in this catalogue.

COURSES OF STUDY.

FRESHMAN CLASS.

CLASSICAL.

FIRST TERM.

**English.*—Composition and Modern Authors.
†*Greek.*—Homer's Iliad, Prose Composition.
†*Latin.*—Livy, Prose Composition.
‡*Mathematics.*—Geometry.
†*Natural Science.*—Zoology.

SECOND TERM.

**English.*—Composition and Modern Authors.
¶*Greek.*—Homer's Odyssey, Prose Composition.
‡*Latin.*—Livy, Cicero de Amicitia, Prose Composition.
‡*Mathematics.*—Algebra.

THIRD TERM.

Greek.—Herodotus and Thucydides, Prose Composition.
Latin.—Horace's Odes, Metres, Prose Composition.
Mathematics.—Trigonometry.
Natural Science.—Botany, Gray.

PHILOSOPHICAL.

FIRST TERM.

**English.*—Composition and Modern Authors.
†*German.*—Grammar, Exercises.
†*Latin.*—Livy, Prose Composition.
‡*Mathematics.*—Geometry.
†*Natural Science.*—Zoology.

SECOND TERM.

**English.*—Composition and Modern Authors.
¶*German.*—Grammar, Exercises, Reader.
‡*Latin.*—Livy, Cicero de Amicitia, Prose Composition.
‡*Mathematics.*—Algebra.

THIRD TERM.

German.—Grammar, Exercises; Das Wirthshaus zu Cransac, Zschokke.
Latin.—Horace's Odes, Metres, Prose Composition.
Mathematics.—Trigonometry.
Natural Science.—Botany, Gray.

SCIENTIFIC.

FIRST TERM.

**English.*—Composition and Modern Authors.
†*German.*—Grammar, Exercises.
†*History.*—English People, Greene.
‡*Mathematics.*—Geometry.
†*Natural Science.*—Zoology.

SECOND TERM.

**English.*—Composition and Modern Authors.
¶*German.*—Grammar, Exercises, Reader.
‡*History.*—English People, Greene.
‡*Mathematics.*—Algebra.

THIRD TERM.

German.—Grammar, Exercises; Das Wirthshaus zu Cransac, Zschokke.
History.—English People, Greene.
Mathematics.—Trigonometry.
Natural Science.—Botany, Gray.

*Two hours per week.
†Three hours per week.
‡Four hours per week.
¶Five hours per week.

Beginning with the third term of the Freshman Year, each class recites our hours per week, throughout the course.

SOPHOMORE CLASS.

CLASSICAL.

FIRST TERM.

Greek.—Xenophon's Memorabilia; Greek Literature.
Latin.—Horace's Satires and Epistles; Roman Literature.
Mathematics.—Trigonometry.
Physical Science.—Chemistry, with Laboratory Practice.

*SECOND TERM.

Greek.—Drama, Sophocles; Choral Scansion.
Latin.—Germania and Agricola of Tacitus.
Literature.—American Authors.
Mathematics.—{ Trigonometry. / Theory of Equations.
Natural Science.—Elementary Mineralogy and Geology.
Physical Science.—Chemistry, with Blow-Pipe Analysis.

THIRD TERM.

Greek.—Drama, Euripides.
Latin.—Cicero de Oratore.
Literature.—American Oratory.
Mathematics.—{ Conic Sections. / Surveying.
Physical Science.—Organic Chemistry.

PHILOSOPHICAL.

FIRST TERM.

German.—Jungfrau von Orleans, Schiller; Prose Composition.
Latin.—Horace's Satires and Epistles; Roman Literature.
Mathematics.—Trigonometry.
Physical Science.—Chemistry, with Laboratory Practice.

*SECOND TERM.

German.—Hermann und Dorothea, Goethe; Prose Composition.
Latin.—Germania and Agricola of Tacitus.
Literature.—American Authors.
Mathematics.—{ Trigonometry. / Theory of Equations.
Natural Science.—Elementary Mineralogy and Geology.
Physical Science.—Chemistry, with Blow-Pipe Analysis.

THIRD TERM.

German.—Goldelse, Marlitt; Prose Composition.
Latin.—Cicero de Oratore.
Literature.—American Oratory.
Mathematics.—{ Conic Sections. / Surveying.
Physical Science.—Organic Chemistry.

SCIENTIFIC.

FIRST TERM.

German.—Jungfrau von Orleans, Schiller; Prose Composition.
Literature.—Outline History.
. . . . . .
Mathematics.—Trigonometry.
Physical Science.—Chemistry, with Laboratory Practice.

*SECOND TERM.

German.—Hermann und Dorothea, Goethe; Prose Composition.
. . . . . .
Literature.—American Authors.
Mathematics.—{ Trigonometry. / Theory of Equations.
Natural Science.—Elementary Mineralogy and Geology.
Physical Science.—Chemistry, with Blow-Pipe Analysis.

THIRD TERM.

German.—Goldelse, Marlitt; Prose Composition.
. . . . . .
Literature.—American Oratory.
Mathematics.—{ Conic Sections. / Surveying.
Physical Science.—Organic Chemistry.

***Studies elective from this point. See page 17.**

JUNIOR CLASS.

CLASSICAL.

FIRST TERM.

German.—Grammar, Exercises.
Latin.—Plautus' Mostellaria and Terence's Adelphi.
Mathematics.— { Differential Calculus. / Mechanics.
Natural Science.—Biology (Botany and Zoology).
Physical Science.—Qualitative Analysis.
Political Science.—Political Economy.

SECOND TERM.

German.—Grammar, Exercises; Reader.
Latin.—Juvenal's Satires.
Logic.—Deductive.
Mathematics.— { Advanced Conic Sections. / Differential Calculus.
Natural Science.—Elementary Mineralogy and Geology.
Philosophy.—Psychology.
Physical Science.— { Matter and Motion. / Quantitative Analysis.

THIRD TERM.

German.—Grammar, Exercises; Das Wirthshaus zu Cransac, Zschokke.
Greek.—Drama, Aeschylus.
Latin.—Pliny's Letters and Seneca's Moral Essays.
Logic.—Inductive.
Mathematics.— { Integral Calculus. / Solid Analytical Geometry.
Philosophy.—Psychology.
Physical Science.—Sound and Heat.

PHILOSOPHICAL.

FIRST TERM.

German.—Nathan der Weise, Lessing.
Latin.—Plautus' Mostellaria and Terence's Adelphi.
Mathematics.— { Differential Calculus. / Mechanics.
Natural Science.—Biology (Botany and Zoology).
Physical Science.—Qualitative Analysis.
Political Science.—Political Economy.

SECOND TERM.

German.—Wallenstein, Schiller.
Latin.—Juvenal's Satires.
Logic.—Deductive.
Mathematics.— { Advanced Conic Sections. / Differential Calculus.
Natural Science.—Elementary Mineralogy and Geology.
Philosophy.—Psychology.
Physical Science.— { Matter and Motion. / Quantitative Analysis.

THIRD TERM.

German.—Faust, Goethe.
. . . . . .
. . . . . .
Latin.—Pliny's Letters and Seneca's Moral Essays.
Logic.—Inductive.
Mathematics.— { Integral Calculus. / Solid Analytical Geometry.
Philosophy.—Psychology.
Physical Science.—Sound and Heat.

SCIENTIFIC.

FIRST TERM.

German.—Nathan der Weise, Lessing.
. . . . . .
Mathematics.— { Differential Calculus. / Mechanics.
Natural Science.—Biology (Botany and Zoology).
Physical Science.—Qualitative Analysis.
Political Science.—Political Economy.

SECOND TERM.

German.—Wallenstein, Schiller.
. . . . . .
Logic.—Deductive.
Mathematics.— { Advanced Conic Sections. / Differential Calculus.
Natural Science.—Elementary Mineralogy and Geology.
Philosophy.—Psychology.
Physical Science.— { Matter and Motion. / Quantitative Analysis.

THIRD TERM.

German.—Faust, Goethe.
. . . . . .
. . . . . .
. . . . . .
Logic.—Inductive.
Mathematics.— { Integral Calculus. / Solid Analytical Geometry.
Philosophy.—Psychology.
Physical Science.—Sound and Heat.

SENIOR CLASS.

CLASSICAL.

FIRST TERM.

Astronomy.—Descriptive.
French.—Grammar, Exercises; Reader.
German.—Jungfrau von Orleans, Schiller; Prose Composition.
Greek.—Oratory, Demosthenes and Lysias; Comparative Philology.
Law.—Constitutional.
Literature.—Milton and Spenser.
Mathematics.—Integral Calculus.
Philosophy.—History of Philosophy.
Physical Science.—Light and Photography.

SECOND TERM.

Astronomy.—Practical.
French.—Grammar; Corinne.
German.—Hermann und Dorothea, Goethe; Prose Composition.
Greek.—Philosophy, Plato; Comparative Philology.
Law.—International and Municipal.
Literature.—Shakespeare and 16th Century Authors.
Mathematics.—Advanced Mechanics.
Natural Science.—Anatomy and Physiology.
Physical Science.—Electricity and Magnetism.
Social Science.—Sociology.

THIRD TERM.

Astronomy.—Practical.
French.—Phedre, Racine.
German.—Goldelse, Marlitt; Prose Composition.
Greek.—New Testament.
Law.—International and Municipal.
Literature.—Chaucer and 14th Century Authors.
Mathematics.—Advanced Mechanics.
Natural Science.—Geology.
Philosophy.—Ethics.

PHILOSOPHICAL.

FIRST TERM.

Astronomy.—Descriptive.
French.—Grammar, Exercises; Reader.
. . . . . .
. . . . . .
. . . . . .
Law.—Constitutional.
Literature.—Milton and Spenser.
Mathematics.—Integral Calculus.
Philosophy.—History of Philosophy.
Physical Science.—Light and Photography.

SECOND TERM.

Astronomy.—Practical.
French.—Grammar; Corinne.
. . . . . .
. . . . . .
. . . . . .
Law.—International and Municipal.
Literature.—Shakespeare and 16th Century Authors.
Mathematics.—Advanced Mechanics.
Natural Science.—Anatomy and Physiology.
Physical Science.—Electricity and Magnetism.
Social Science.—Sociology.

THIRD TERM.

Astronomy.—Practical.
French.—Phedre, Racine.
. . . . . .
. . . . . .
Law.—International and Municipal.
Literature.—Chaucer and 14th Century Authors.
Mathematics.—Advanced Mechanics.
Natural Science.—Geology.
Philosophy.—Ethics.

SCIENTIFIC.

FIRST TERM.

Astronomy.—Descriptive.
French.—Grammar, Exercises; Reader.
. . . . . .
. . . . . .
. . . . . .
Law.—Constitutional.
Literature.—Milton and Spenser.
Mathematics.—Integral Calculus.
Philosophy.—History of Philosophy.
Physical Science.—Light and Photography.

SECOND TERM.

Astronomy.—Practical.
French.—Grammar; Corinne.
. . . . . .
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. . . . . .
Law.—International and Municipal.
Literature.—Shakespeare and 16th Century Authors.
Mathematics.—Advanced Mechanics.
Natural Science.—Anatomy and Physiology.
Physical Science.—Electricity and Magnetism.
Social Science.—Sociology.

THIRD TERM.

Astronomy.—Practical.
French.—Phedre, Racine.
. . . . . .
. . . . . .
Law.—International and Municipal.
Literature.—Chaucer and 14th Century Authors.
Mathematics.—Advanced Mechanics.
Natural Science.—Geology.
Philosophy.—Ethics.

SUMMARY OF INSTRUCTION

BY DEPARTMENTS.

MENTAL AND MORAL PHILOSOPHY.

PRESIDENT CONE.

Psychology, which is an elective for the Juniors in the second and third terms, is taught by text-books and oral instruction. Theses on important topics in the science are required of students pursuing the study, and are subjected to criticism and discussion in the class. The study and discussion of questions of metaphysics proper constitute the larger part of the work during the latter half of the third term.

Moral Philosophy is an elective in the last term of the Senior year, and embraces theoretical and practical ethics, and discussions of the origin of ethical ideas in the light of modern philosophy.

The History of Philosophy, which is an elective for the Seniors in the first term, embraces a historical exposition of the systems of ancient and modern philosophy, and is taught by lectures, recitations, and discussions.

POLITICAL SCIENCE.

PRESIDENT CONE.

Political Economy is an elective for the Juniors in the first term, and is taught so as to present the history of the science and lead to a thorough comprehension of established principles. The reading of the works of the masters of the science is called for in the preparation of the theses required of the class. Sociology is pursued as an elective in the Senior year.

PHYSICAL SCIENCE.

PROF. C. M. KNIGHT, A. M.

Chemistry.—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 every statement shall be illustrated and confirmed by experiment; each student is further required to manufacture one or more salts under each basic element, and to explain fully the process and principles involved.

A course in blow-pipe analysis includes the tests for elements as they occur in ores of greatest economic value. The instruction in organic chemistry consists of recitations, lectures, and laboratory work. The lectures discuss the theories and present the latest researches; work in the laboratory comprises proximate analysis and the preparation, by synthesis, of organic products.

The instruction in analytical chemistry extends through the larger part of the Junior year; the course, including qualitative and quantitative analysis, involves such a variety of methods and processes as will enable the student to undertake any chemical analysis.

Industrial chemistry is taught by lectures and laboratory practice. Whenever practicable, actual products are exhibited to 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 taught to see the true economy of production. Illustrative of the topics studied, visits are made to various manufacturing establishments, and an opportunity given to see manufacturing operations in actual working.

Physics.—The course includes recitations, lectures, and laboratory practice in Optics, Heat, Acoustics, 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 present the recent advances of Physical Science, and point out the practical application of its principles. The subject of Photography, including its various applications in the sciences and arts, is taught by 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 for illustrating general principles is being supplemented by instruments for making accurate measurements.

MODERN LANGUAGES.

PROF. C. F. KOLBE, A.M.

The German and French languages are taught in Buchtel College as the leading ones among the Modern Languages. The German language, especially, to which, in most colleges, a subordinate place is assigned, receives full recognition in Buchtel College. It is on an equal footing with other studies in the results obtained from a several years' course. It is taken up, as a new study, in the Freshman Class, and is made obligatory during this year, as well as the first term of the Sophomore year. It may be continued during the remainder of the Sophomore and the entire Junior year.

Thus, a three years' course with requirements corresponding to a systematic progress, guarantees to the faithful student an accurate and comprehensive knowledge, furnishing the key to the vast field of literature vouchsafed by this language.

Beyond this, however, the course of instruction recognizes the practical claims to 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 a living language in the mouth of the student. To obtain this end, in its widest possible range, the German language is spoken, by the teacher and student, from the first moment the latter enters the class-room for his first recitation, and this practice is continued throughout the entire course. The student who gradually becomes accustomed to the sounds of the foreign language, soon learns to use and express himself in the same.

Buchtel College, then, uses the "Natural Method" of teaching German, and it can be said truthfully that, during the many years of its use, satisfactory results, in general, and surprising results in very many cases, have been obtained by this well-tested "Natural Method." With this experience of past years, the College is prepared to extend its requirements, in this department, with each succeeding year, securing thereby to the student increased benefits.

The French language is studied during the Senior year—at a time when the discipline of years of study of other languages enables the student of a more ripened judgment and increased ability of observation to rapidly acquire and apply an extended

knowledge of this language, far in advance of requirements generally resulting from the study of this language, for a similar period, under ordinary circumstances.

DEPARTMENT OF GREEK.

PROF. W. D. SHIPMAN, A. M.

After a thorough course of preparation, following the Harvard system, we aim to study the masterpieces of Ancient Greece, from a literary point of view. This includes a study of the different kinds of composition; written translations of select passages, both in prose and in verse; a consideration of the plan and outline of all works studied, even though they are read but in part; written sketches of the life, the style, and the works, of each author read; and a study of the logical and rhetorical features which we are constantly meeting.

The first term of the Freshman year, the Iliad is continued, selecting from Books IV, IX, XV, XVI, and XXIV. The second term we read the Odyssey, selecting from Books I, IX, XI, and XXIII. The third term, selections from the histories of Herodotus and Thucydides. Throughout the year Prose Composition is continued, the aim being to train the student thoroughly in the fundamental principles of the language.

During the fall term of the Sophomore year we read Xenophon's Memorabilia, and study in connection a brief history of Greek Literature, aiming to give a systematic idea of its development and leading forms. The second term, passing the elective point, we begin the Drama, reading a play of Sophocles—Antigone or Oedipus Tyrannus—and taking up choral scansion. In the third term the Sophomore and Junior classes recite together, reading Aeschylus and Euripides on alternate years. The first term of the Senior year is devoted to Oratory, *as a subject*, reading from Demonsthenes and Lysias. The second term is given to Philosophy, reading Plato—the Apology and Crito, or the Gorgias—and studying the general character and development of philosophic thought among the Greeks. During these two terms we also take up Comparative Philology, aiming to gain a knowledge of its history, principles, and methods, and to do some original work. The last term we study the New Testament, using Westcott and Hort's text. We give attention to the peculiarities of dialect, the most important MSS. and versions, and the principles of textual criticism.

DEPARTMENT OF LATIN.

PROF. CHAS. C. BATES, A. M.

The course in Latin, embracing a period of six years, three in the Preparatory and three in the Collegiate Department, is designed to furnish the student with a thorough knowledge of the grammatical and rhetorical features of the Latin language, and also acquaint him with the principal productions of the foremost prose and poetical writers in the various periods of Roman Literature.

The list of authors whose works are studied comprises Cæsar, Cicero, Virgil, Livy, Horace, Tacitus, Terence, Plautus, Juvenal, Pliny, and Seneca.

These are supplemented by Latin Prose Composition, Roman History and Antiquities, Roman Literature, and the Elements of Philology.

The foundation is laid by the requisite drill upon grammatical forms, syntactical principles, and idiomatic expressions, while careful comparisons are instituted between the literal and the smooth rendition of passages.

At an early period the student is thereby enabled to intelligently appropriate the truths inculcated by the author, and appreciate the beauties of the language employed.

Two methods of pronunciation, the English and the Roman, are used, but the preference is given to the former.

In poetry, familiarity with prosody and scansion is acquired.

Translation at sight constitutes a prominent feature in the work of advanced classes.

Throughout the course considerable attention is devoted to English derivation, a subject absolutely essential to an adequate comprehension of scientific terminology.

It is believed that by the plan adopted the interests of culture and utility are equally subserved.

NATURAL SCIENCE.

PROF. E. W. CLAYPOLE, B. A., B. SC., (LOND.), F. G. S.

This Department includes the subjects of Botany, Zoology, Geology and Palæontology, Anatomy and Physiology. Most of these subjects are studied during two terms, the former of which is devoted to the elementary and the latter to work of a rather more difficult nature.

Methods of study are adopted which are sufficient to make in-

dustrious and well prepared students familiar with the principles of the Natural Sciences, and competent to pursue the study in later years in its higher branches.

Mere text-book work is not used, but special subjects for investigation and report are set from time to time in the higher classes, the results of which are produced in class either in the form of written papers or oral addresses. These results are then discussed by the members of the class, and summarized in writing.

Lectures, dealing chiefly with topics on which information is otherwise inaccessible to students, alternate with other work throughout all the course.

Direct contact with nature, rather than reliance on authority, is encouraged, and students are employed in the study of the local fauna and flora as far as possible, with the object of developing their own powers of observation and deduction. In addition to this, the College possesses a fair and increasing Museum, lately increased by the addition of the collections of the Akron Natural History Society, whose meetings are now held at the College. Students have the opportunity of attending these meetings and of becoming members of the Society. This affords an invaluable opportunity to those who desire to do special work in Science beyond what can be provided for in the ordinary classes.

The Department possesses a set of simple microscopes for general use in the classes, and superior instruments for the advantage of students in the higher branches.

By these various means an opportunity is afforded to students of making acquaintance with the general scope of Natural Science, and of carrying on minute investigation in a limited portion of this great field.

MATHEMATICS AND ASTRONOMY.

PROF. C. S. HOWE, B. S.

ADJUNCT PROF. P. G. WRIGHT, A. M. B.

FRESHMAN CLASS.

FIRST TERM.—*Geometry* (Wentworth's), solid and spherical.

SECOND TERM.—*Algebra* (Todhunter's), including exponential and logarithmic series, indeterminate equations, partial fractions, and binomial theorem.

THIRD TERM.—*Trigonometry* (Olney's), plane.

SOPHOMORE CLASS.

FIRST TERM.—*Trigonometry* (Olney's), plane.

SECOND TERM.—*Trigonometry* *(Chauvenet's), spherical. *Theory of Equations* (Todhunter's), including cubic and biquadratic equations, Sturm's theorem, and Horner's method.

THIRD TERM.—*Conic Sections* *(Puckle's), including conic sections and general equations of the second degree. *Surveying* (Murray's), including the use of the compass, transit and level, the theory of railroad curves, and road-making.

JUNIOR CLASS.

FIRST TERM.—*Differential Calculus* *(Todhunter's), including the first twelve chapters. *Mechanics* *(Todhunter's), including forces, center of gravity, laws of motion, and motion in a conic section.

SECOND TERM.—*Differential Calculus* *(Todhunter's), including maxima and minima, tangents, asymptotes, curvature, etc. *Conic Sections* (Salmon's), including trilinear co-ordinates and reciprocal polars.

THIRD TERM.—*Integral Calculus* *(Todhunter's), including first eight chapters. *Solid Analytical Geometry* *(Frost's), including straight line and plane.

SENIOR CLASS.

FIRST TERM.—*Astronomy* *(Newcomb and Holden's), descriptive. *Integral Calculus* *(Todhunter's), including rectification of curves, definite integrals, etc.

SECOND TERM.—*Astronomy* (Chauvenet's), Vol. I, first six chapters. *Mechanics* (Minchin or Tait and Steele), advanced course in statics or dynamics of a particle.

THIRD TERM.—*Astronomy* (Chauvenet's), including theory of eclipses and occultations. *Mechanics* (Minchin or Tait and Steele), advanced course in statics or dynamics of a particle.

*Students wishing to take the advanced astronomy must elect those subjects marked with an asterisk.

ENGLISH LITERATURE.

PROF. MARY B. JEWETT, A. B.

Throughout the first two terms of the Freshman year, weekly instruction is given to the class in English Composition by means of lectures. Practical work is required in preparing exercises and outlines in the different kinds of written discourse. The nature of

the essay, the oration, and debate are discussed, and the aim throughout is to make the work practical and helpful.

A course of weekly lectures on the Nineteenth Century Authors of England will be given to the Freshmen during the first two sessions, and to accompany these a course of reading will be mapped out by means of library topic books.

In the Sophomore year, the history of English and American literature is studied in the first two sessions; in the third session some of the most prominent American orations are read, and the aims and methods of true oratory are discussed.

Logic is taught in the second and third terms of the Junior year.

In the Senior year, the subjects of study are the classical authors of the English language: Milton, Spenser, Shakespeare, and Chaucer. The life of the author and the period in which he lived are taken up in outline. The time is given, for the most part, to a critical study of some representative work or works of each of these four authors.

All through the course the aim is to encourage and require constant and thorough use of the college library.

LAW.

A. B. TINKER, M. S., LL. B.

It is the design of this department to furnish instruction in the Science of Civil Government.

The Fall Term is occupied in studying the principles of Constitutional Law, with special reference to the constitutional history and law of the United States.

The Winter Term is devoted to the study of Municipal Law. No attempt is made to fit men for legal practice; neither will the details of law be attempted, except so far as may be necessary to illustrate and explain the general principles which lie at the foundation and compose the frame-work of legal science.

International Law is the subject for discussion in the Spring Term. This will include not only the rules by which the intercourse between foreign nations is governed, but the obligations which one nation or state is under, at times, to enforce the laws of another.

PREPARATORY DEPARTMENT.

GENERAL INFORMATION.

In connection with the College proper, the Trustees have established a Preparatory School, in which students are fitted for the college classes and for teaching. There are three courses of study, of three years each, corresponding to the courses of the College.

This department is under the same general administration as the other departments of the College and the immediate supervision of the Principal. All are received as coming for the purpose of doing the best they can for themselves. As students do their studying in their own rooms, teachers do not assume responsibility over those who, through want of self-control, or for any other reason, 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 department, on account of the better adjustment of the studies to the regular college work. To save time, they are advised to omit in their preparatory work all studies not required for admission to College.

All students in this department are required to declaim, and to prepare and deliver original literary exercises.

EXAMINATIONS.

Students will be examined, and assigned to classes for which they are qualified. Examinations will not be required of those presenting satisfactory grades from schools of good standing. To enter the Preparatory Department, applicants will be examined in Elements of Arithmetic as far as Partial Payments, of Grammar as far as Syntax, and of Descriptive Geography.

Those desiring to enter in advance of this point, will be examined in the studies of the lower classes.

At the end of each term, all classes in this department will be examined.

Any student failing to appear at an examination, will not be permitted to re-enter his class until a satisfactory arrangement has been made with the Professor in charge.

FACULTY AND OFFICERS.

REV. ORELLO CONE, D. D.,

PRESIDENT.

JENNIE GIFFORD, A. M.,

PRINCIPAL,

Professor of Science and School Management.

WILLIAM D. SHIPMAN, A. M.,

Professor of Greek.

SUSIE E. CHAMBERLAIN, M S.,

Professor of English and Rhetorical Work.

HELEN S. PRATT, L. A.,

Professor of English and Latin.

CHARLES C. BATES, A. M.,

Professor of Latin.

PHILIP G. WRIGHT, A. M. B.,

Professor of Mathematics.

LILLIE R. MOORE,

FRANK S. PIXLEY,

MARY E. GLADWIN,

Tutors.

PHILIP G. WRIGHT, A. M. B.,

Secretary.

PREPARATORY COURSE.

JUNIOR CLASS.

CLASSICAL.

FIRST TERM.

English.—Grammar.
Latin.—Grammar and Lessons.
Mathematics.—Percentage Arithmetic.

SECOND TERM.

English.— {Geography. Grammar.
Latin.—Grammar and Lessons.
Mathematics.—Completing Arithmetic.

THIRD TERM.

English.— {Analysis, Harvey. U. S. History.
Latin.—Grammar and Cæsar.

PHILOSOPHICAL.

FIRST TERM.

English.—Grammar.
Latin.—Grammar and Lessons.
Mathematics.—Percentage Arithmetic.

SECOND TERM.

English.— {Geography. Grammar.
Latin.—Grammar and Lessons.
Mathematics.—Completing Arithmetic.

THIRD TERM.

English.— {Analysis, Harvey. U. S. History.
Latin.—Grammar and Cæsar.

SCIENTIFIC.

FIRST TERM.

English.—Grammar.
Latin.—Grammar and Lessons.
Mathematics.—Percentage Arithmetic.

SECOND TERM.

English.— {Geography. Grammar.
Latin.—Grammar and Lessons.
Mathematics.—Completing Arithmetic.

THIRD TERM.

English.— {Analysis, Harvey. U. S. History.
Latin.—Grammar and Cæsar.

MIDDLE CLASS.

CLASSICAL.

FIRST TERM.

Drawing.—Industrial and Free-Hand.

Greek.—Grammar and Lessons.

Latin.—Cæsar, Grammar; Prose Composition.

Mathematics.—Algebra.

SECOND TERM.

Drawing.—Industrial and Free-Hand.

Greek.—Grammar and Lessons.

Latin.—Cicero, Grammar; Prose Composition.

Mathematics.—Algebra.

THIRD TERM.

Greek.—Grammar, Anabasis.

Latin.—Cicero, Grammar; Prose Composition.

Mathematics.—Algebra.

PHILOSOPHICAL.

FIRST TERM.

Drawing.—Industrial and Free-Hand.

English.—Advanced Analysis.

Latin.—Cæsar, Grammar; Prose Composition.

Mathematics.—Algebra.

SECOND TERM.

Drawing.—Industrial and Free-Hand.

English.—Civil Government.

Latin.—Cicero, Grammar; Prose Composition.

Mathematics.—Algebra.

THIRD TERM.

Latin.—Cicero, Grammar; Prose Composition.

Mathematics.—Algebra.

Natural Science.—Physiology.

SCIENTIFIC.

FIRST TERM.

Drawing.—Industrial and Free-Hand.

English.—Advanced Analysis.

Latin.—Cæsar, Grammar; Prose Composition.

Mathematics.—Algebra.

SECOND TERM.

Drawing.—Industrial and Free-Hand.

English.—Civil Government.

Latin.—Cicero, Grammar; Prose Composition.

Mathematics.—Algebra.

THIRD TERM.

Latin.—Cicero, Grammar; Prose Composition.

Mathematics.—Algebra.

Natural Science.—Physiology.

SENIOR CLASS.

CLASSICAL.	PHILOSOPHICAL.	SCIENTIFIC.
FIRST TERM.	FIRST TERM.	FIRST TERM.
Greek.—Grammar, Anabasis; Prose Composition; Greek History.	*Latin.*—Virgil, Grammar; Prose Composition; Roman History.	*Mathematics.*—Algebra.
Latin.—Virgil, Grammar; Prose Composition; Roman History.	*Mathematics.*—Algebra.	*Physical Science.*—{Natural Philosophy. / Physical Geography.
Mathematics.—Algebra.	*Physical Science.*—Physical Geography.	
SECOND TERM.	SECOND TERM.	SECOND TERM.
Greek.—Anabasis; Prose Composition.	*English.*—General History.	*English.*—General History.
Latin.—Virgil, Grammar; Prose Composition.	*Latin.*—Virgil, Grammar; Prose Composition.	*Mathematics.*—Geometry.
Mathematics.—Geometry.	*Mathematics.*—Geometry.	*Physical Science.*—Natural Philosophy.
THIRD TERM.	THIRD TERM.	THIRD TERM.
Greek.—Homer's Iliad; Prose Composition.	*English.*—General History.	*English.*—{General History. / Rhetoric.
Latin.—Virgil; Prose Composition.	*Latin.*—Virgil; Prose Composition.	
Mathematics.—Geometry.	*Mathematics.*—Geometry.	*Mathematics.*—Geometry.

ENGLISH AND NORMAL STUDIES.

In addition to the regular collegiate preparatory work, classes will be organized every term in English Grammar, Arithmetic, Geography, U. S. History, and School Management. Classes in Book-Keeping will be formed every Fall and Spring term; in English Composition, every Fall term; in Etymology, every Fall and Winter term; and in Elocution and Reading, every Spring term.

NORMAL WORK.

The special aim of the Normal Instruction is to present such methods of teaching as have proved valuable in practice, and such as every young teacher will be safe in adopting. In the class in School Management special attention is given to the philosophy of teaching and governing.

BOOK-KEEPING.

This branch, as taught here, will give the student a good knowledge of Double Entry Book-Keeping, and will enable him to manage a set of books in any ordinary retail or wholesale business.

DRAWING.

The Drawing of the preparatory department (for which no extra charge is made) includes mathematical, free-hand, perspective and shading, principles of designing, and the construction of original designs. The hand is trained and the eye is cultivated for mathematical, scientific, and other purposes.

TEXT-BOOKS.

Though certain text-books are adopted and used as such, the works of other authors are consulted and their relative merits discussed. This method, always modified and adapted to the particular subject in hand and the advancement of the class, incites to determined and self-reliant effort on the part of the student.

DEPARTMENT OF MUSIC.

JENNIE P. JOHNSTON,
Professor of Instrumental Music.

EDWIN S. METCALF,
Professor of Vocal Culture and Harmony.

In this department, classes are formed in:

1. Instrumental Music.
2. Vocal Music.
3. Theory.
4. Chorus Singing.

CHORUS CLASSES.

In this department the student will receive all elementary instruction in music—lines and spaces, notes, clefs, and their use, time, signature, rhythm, the scales, chromatic and diatonic, the interval system, and instruction in chorus singing.

All students in music will be required to obtain their elementary instruction in these classes, unless they pass an examination in the studies there pursued.

From time to time, during the year, important works of the masters are performed at the College and in the city. To appreciate and enjoy this music, it is necessary to have some previous acquaintance with the work to be performed, and for this purpose especially a class will be formed for the analysis of important vocal and instrumental compositions. A portion of this hour will also be given to answering questions on musical subjects.

The College Glee Club is an organization consisting of a limited number of ladies' voices, to which persons passing a satisfactory examination will be admitted.

VOICE CULTURE.

In this department is included the formation and cultivation of correct tones, according to the principles of the best Italian masters.

To give control, flexibility, and execution to the voice, students are carefully drilled in vocal techniques and vocalizes by Concone, Panofka, Vaccai, Marchesi, Bordogni, etc.

COURSES OF STUDY IN VOCAL MUSIC.

After the formation of good tones, pure intonation, flexibility, and generally easy delivery of the voice, the study in vocal music is divided into three courses—Oratorio, Operatic, and German Lieder, which will be followed according to the desire and adaptation of the pupil.

In the Oratorio Course are included selections from works of Handel, Bach, Mendelssohn, etc., and sacred songs by Gounod, Barnby, Leslie, Sullivan, and other English composers.

The Operatic Course includes selections from the Italian composers Verdi, Bellini, Donizetti, etc., and also from the operas of Mozart, Gluck, Thomas, Gounod, and others who have written in the Italian style.

To the German Lied, which is so rapidly coming into favor in this country, particular attention will be given. In the songs of Schubert, Schumann, Franz, Jensen, Rubinstein, Reinecke, etc., are found some of the highest forms of musical art.

PIANO.

PREPARATORY.

The first half term will be devoted to still-hand exercises, slow trills. easy scales, and arpeggios in similar and opposite movements. Special attention is paid to the position of the hands, and to the development of power and independence in the fingers. When satisfactory progress has been made, the student will pass to studies of Lebert and Stark, Mees, Loeschorn, Plaidy, Heller, Kœhler, Duvernoy, Czerny, and Bach; sonatines and sonatas by Clementi, Kuhlau, and Beethoven; little pieces by Lichner, Schumann, etc.

ACADEMIC COURSE.

Practice of five-finger exercises, scales and arpeggios in all different keys and positions; transposition of studies to different

keys; Czerny's Fifty Daily Studies, Czerny's School of Velocity, Clementi and Kœhler's Scale Studies, Heller, Loeschorn and Cramer (Von Bulow); Haydn, Mozart, and Beethoven sonatas, Haydn Impromptus, pieces by Mendelssohn, Weber, Moschelles, Chopin, etc.

There will be an examination for admission to this department. The time required to complete this course cannot be stated. This will depend on the knowledge and capacity of the pupil.

ORGAN.

Elementary instruction, Whiting's First Six Months, First Studies, Chorals, Preludes, etc. Rink's Third and Fourth books, Bach's Preludes, pieces for church.

HARMONY.

The system of Harmony is substantially the same as that taught at the New England Conservatory, Boston, Mass. The text-books used are Emery's Elements of Harmony and Richter's Manual (J. C. D. Parker.)

This course embraces a thorough knowledge of the staff notation, the relationship of keys, the major and minor modes; a familiarity with the intervals and construction of chords, and the laws governing their melodic and harmonic progressions.

A certificate will be given to students completing this course.

STUDENTS.

COLLEGIATE DEPARTMENT.

SENIOR CLASS.

COURSE.

Lillian Tude Acomb,.....S.....Tidioute, Pa.
May Cecilia Bock,.....C.....Akron.
Charles Shultes Bock,.....PH.....Akron.
Charles Newton Church,.....C.....Akron.
Daniel Richard Crissinger,.....S.....Caledonia.
William John Emery,.....PH.....Green Spring.
Frank Samuel Grandin,.....PH.....Tidioute, Pa.
John Garibaldi Koon,.....S.....Lancaster, Ia.
Marie Gertrude Krenzke,.....S.....Akron.
Charles Russell Olin,.....S.....Windsor.
Frank Adolph Schumacher,.....S.....Akron.
Abby C. Soule,.....PH.....Norwalk.

JUNIOR CLASS.

COURSE.

Maurice Bettes,.....S.....Cuyahoga Falls.
Lucy Danforth,.....PH.....Peru.
James Ford,.....S.....Milledgeville.
Calvin Josiah Hill,.....S.....Inland.
William Edgar Hugill,.....PH.....Akron.
Lillie Richards Moore,.....C.....Akron.
Ernest Clifford Page,.....PH.....Columbus, Pa.
James Douglas Pardee,.....S.....Akron.
Ellery Orvin Phillips,.....PH.....Medina.
James Kirby Pleasants, Jr.....PH.....Vevay, Ind.

Edgar Sylvanus Rothrock,.....C.....Akron.
Marion Belle Slade,.....S.....Columbus.
Samuel Lennon Thompson,.....C.....Gann.
Mary Grace Webb,.....C.....Mogadore.
Elmer Ellsworth Welsh,.....S.....Eaton.

Maud Alberta La Fevre,.....S.....Akron.
Carita McEbright,.....C.....Akron.

SOPHOMORE CLASS.

COURSE.

Sarah Emma Cadwallader,.....PH.....Akron.
Emma Eliza Clark,.....C.....Rochester, Minn.
Nell Frances Dages,.....PH.....Gallipolis.
Elmer Jay Felt,.....S.....Kent.
William Sherman Ford,.....S.....Milledgeville.
William Getz,.....S.....Kent.
Mary Elizabeth Gladwin,.....PH.....Akron.
Gracia Belle Gorton,.....PH.....Charlotte, Mich.
Herbert Hack Henry,.....S.....Bissell's.
Cary Jones,.....S.....Jeffersonville.
Bessie Kingsbury,.....PH.....Defiance.
Albert Andrew Kohler,.....C.....Akron.
Alexander William Maynes,.....S.....Evansville, Ind.
James Davis Olin,.....S.....Windsor.
Luella Zeruah Rummel,.....PH.....Bellville.
Benjamin Walter Shaw,.....S.....Lodi.
Luna Viola Shear,.....C.....Richfield.
Mary Dow Sibley,.....C.....North Lewisburgh.
John Robert Smith,.....C.....Bissell's.
Frederick Harvey Stuart,.....C.....Akron.

Addie Louise Bleekman,.....PH.....Fort Wayne, Ind.
Henry Crittenden Morris,.....C.....Chicago, Ill.
Oliver Morton Pleasants,.....S.....Vevay, Ind.

FRESHMAN CLASS.

COURSE.

Jessie Loretta Chaney,.....PH.....Canal Winchester.
Edwin Burton Christy,.....C.....Akron.
Gertrude Packard Commins,...PH.....Akron.
George Burson Emerson,.....C.....Salesville.
Herbert Spencer Gorton,.....PH.....Charlotte, Mich.
Edith Maynard Lawrance,.....C.....Akron.
Mabel Marvin,.....PH.....Harrison.
Mary McMillen.....C.....Akron.
Frank S. Pixley,.....PH.....W. Richfield.
Ada Ralston,.....S.....Madison, Ind.
William Thomas Sawyer,.....S.....Akron.
Clara Amelia Slade,.....S.....Columbus.
Carl Newton Thomas,.....S.....W. Springfield, Pa.
Edwin Wagner,.....S.....Hartville.

Iola Westburn Brown,.....S.....Warren.
Florence Erwin,.....PH.....Canton.
Fannie Fell,.....S.....Greenville, Pa.
Laura May Findley,.....S.....Akron.
Carrie Glines,.....S.....Canton.
Lizzie Theresa Griffin,.....S.....Akron.
Carrie Winifred Herrick,.....S.....Akron.
Clara Triphena Limbert,.....S.....Akron.
Lutie Erwin Matthias,.....S.....Hamilton.
Emma Louise McIntosh,.....C.....Akron.
Dorotha Ray,.....S.....Tallmadge.
Joseph Marion Seaton,.....S.....Medina.
Grace Irene Seiberling,.....S.....Akron.
Frank Norman Slade,.....PH.....Columbus.
Mina Coresta Smith,..... .....S.....Cuyahoga Falls.
Grove Eliger Walter,.....S.....Hanover, Mich.
Hattie Wise,.....PH.....Akron.

SPECIAL STUDENT.

Anna Upson,.....MATHEMATICS.....Akron.

PREPARATORY DEPARTMENT.

SENIORS.

Lottie Belle Allen,.....S.....Brecksville.
Herbert Bruce Briggs,.....S.....Sharon Centre.
Lotta Amelia Brown,.....S.....Akron.
Charles Frederick Chamberlain, S.....Whittlesey.
Edwin Frank Cone,.....C.....Akron.
Harry Edwin Crankshaw,.....S.....Akron.
Mary Frederika Crispin,.....C.....Akron.
Jessie Emma Dice,.....S.....Akron.
Mary Jane Ellet,.....S.....Akron.
Frank Aldis Gilbert,.....S.....Minneapolis, Kan.
Alice Louise Graves,.....C.....Castalia.
Emma Jessie Heppleston,.....S.....Akron.
Louise Belle Hickox,.....S.....Akron.
Willard Anselm Holcomb,.....C.....Jackson.
Della Louise Houghton,.....PH.....Akron.
Marian Huber,.....S.....Akron.
John Robert Keller,.....S.....Nimisila.
Lizzie Lasher,.....S.....Akron.
Sarah Ella Mansur,.....S.....Kent.
Gertrude Helen Mathews,.....C.....Jackson.
Florine Celestine Mitchell,.....S.....Akron.
Jennie May Noland,.....S.....Akron.
Clara Belle Ritchie,.....S.....Tallmadge.
John Lincoln Roemer,.....C.....Wheeling, W. Va.
William Aaron Sackett,.....C.....Akron.
Allen Lee Schryver,.....S.....Buffalo, N. Y.
Willis Henry Small,.....PH.....Casstown.
Clement Augustus Snyder,.....C.....Le Roy.
Sherman Swigart,.....S.....Copley.
Bessie Coe Voris,.....PH.....Akron.

MIDDLES.

Alice Baker,.....S.....Akron.
Roberta Bell,.....S.....Toledo.
John A. Botzum.....S.....Buckeye.
Elgenie H. Bowman,.....C.....Akron.

Mary E. Campbell,.....s.....Akron.
Lillie A. Carbaugh,.....PH.....Akron.
Minnie A. Carpenter,.....C.....Akron.
Agnes M. Clarke,.....C.....Gibbon, Neb.
Agnes M. Claypole,.....C.....Akron.
Edith J. Claypole,.....C.....Akron.
Stella E. Cranz,.....s.....Ira.
Helen A. Curtis,.....s.....Athens.
David F. Felmly,.....s.....Cuyahoga Falls.
Anna L. Flemming,.....PH.....Akron.
Willis P. Hardy,.....s.....Akron.
Jay B. Hilliard,.....s.....Wadsworth.
E. Maud Holt,.....PH.....Rutland.
Joel F. Kyser,.....s.....Copley.
Lucien G. Locke,.....s.....Haverhill.
Nettie A. McAlpine,.....s.....Campbellsville, Ky.
Kittie M. McGillicuddy,.....C.....Akron.
Sarah G. McNeil,.....PH.....Akron.
Ida M. Memmer,.....s.....Akron.
Maggie B. Mitchell,.....s.....Akron.
Frederick F. Mull.....s.....Akron.
Howard C. Oberholtzer,.....s.....Wadsworth.
Ethelbert K. Pardee,.....s.....Cuyahoga Falls.
Lewis M. Pettitt,.....s.....Akron.
Scott Pierce,.....s.....Sharpsville, Pa.
Gertrude R. Price,.....s.....Akron.
Eugene Ransom,.....s.....Akron.
Florence A. Sherman,.....s.....Brimfield.
Mary E. Tomlinson,.....PH.....Akron.
Frank B. Theiss,.....PH.....Akron.
M. Kittie Walker,.....s.....Lansing, Mich.
Charles E. Warrens,.....PH.....Ft Vancouver, W.T.
Cyrenius O. Weaver,.....C.....Hartville.
Minnie A. Weston,.....PH.....Akron.
Clark M. White,.....PH.....Newark.
Edith A. Wilson,.....s.....Liberty.

JUNIORS.

Arthur F. Baldinger,.....Mantua.
Philander M. Boyer,.....Akron.
Samuel R. Briner,.....N. Springfield.

Clifford D. Burnham,.....Akron.
Louis M. Cadwallader,.....Akron.
Della G. Campbell,.....Akron.
Lola F. Clarke,.....Haddam, Ct.
Mabel M. Clarke,.....Gibbon, Neb.
William Clerkin,.....Hudson.
Fred H. Cole,.....Peninsula.
Addie H. Commins,.....Akron.
A. Daisy Commins,.....Akron.
Fannie F. Crispin,.....Akron.
Alben Crist,.....Lake.
Eugene E. Durr,.....Germany.
R. Belle Fenton,.....Akron.
Della E. Gehman,.....Akron.
M. Louise Guth,.....Akron.
John W. Hamby,.....Akron.
Nettie J. Hardy,.....Whipple.
John E. Hilbish,.....Akron.
Lucius W. Hitchcock,.....Akron.
Emma Horix,.....Akron.
Anna B. Huntly,.....Sayre, Pa.
Mary C. Huntly,.....Sayre, Pa.
William E. Jones,.....Akron.
George C. Kohler,.....Akron.
Mary G. Morecraft,.....Woodstock.
Gouverneur C. Morey,.....Hamilton.
Emery Morrison,.....Akron.
James B. Mourn,.....Akron.
Frank S. Mull,.....Akron.
Robert A. Myers,.....Montrose.
Frederick H. O'Brien,.....Akron.
Mary Parisette,.....Akron.
Birdie A. Pendleton,.....Akron.
Regina O. Rinner,.....Akron.
Henry J. Ritchie,.....Hudson.
Edna A. Rogers,.....Castalia.
Irvin W. Spade,.....Brittain.
Charles E. Stetler,.....N. Springfield.
Lizzie A. Stickel,.....Casstown.
Irving E. Stowe,.....Akron.
Irene L. Stouffer,.....Akron.

Frank J. Teeple,.....Akron.
Gertrude A. Tibbals,.....Akron.
Edward S. Underwood,.....Akron.
Ellsworth C. Watters,.....Akron.
Christopher Wilson,.....Akron.
Elno O. Woodward,.....Sharon Centre.

UNCLASSIFIED.

Gustav Leipold,..... .....Germany.

SUMMARY.

COLLEGIATE DEPARTMENT.

Seniors,	12
Juniors,	17
Sophomores,	23
Freshmen,	31
Special Student,	1
Classical,	19
Philosophical,	24
Scientific,	40
Special (Mathematics),	1
Gentlemen,	42
Ladies,	42

PREPARATORY DEPARTMENT.

Seniors,	31
Middles,	39
Juniors,	50
Unclassified,	1
Gentlemen,	58
Ladies,	63

MUSIC DEPARTMENT.

Total Number for the Year,	63

PAINTING AND DRAWING DEPARTMENT.

Total Number for the Year,	10

RECAPITULATION.

Collegiate Students,	84
Preparatory,	121
Music,	63
Painting and Drawing,	10
Gentlemen—Collegiate and Preparatory,	100
Ladies—Collegiate and Preparatory,	105
Total Attendance in Collegiate and Preparatory Departments,	205
Number in Music, Painting, etc., exclusive of Collegiate and Preparatory Students,	59
Total Attendance in all Departments,	264

STUDENTS BY STATES.

Ohio	236
Pennsylvania,	7
Indiana,	5
Michigan,	4
Nebraska,	2
Germany,	2
New York,	1
Iowa,	1
Illinois,	1
Minnesota,	1
Kansas	1
Wyoming Territory,	1
West Virginia,	1
Connecticut,	1

CLASSIFICATION BY CHURCH RELATION.

Universalist,	102
*Unclassified,	49
Methodist,	32
Congregationalist,	26
Episcopal,	15
Reformed	9
Baptist,	6
Lutheran,	6
Presbyterian,	6
Catholic,	5
Disciple,	5
Mennonite,	1
United Brethren,	1
Evangelical	1

*Includes Music, Painting, and other students whose church relations are not registered.

DONATIONS AND IMPROVEMENTS.

Under this head the College takes pleasure in recording, from year to year, with grateful appreciation, the contributions of its friends to its development and progress.

First in importance is the endowment of the Chair of Mathematics by Mr. Henry Ainsworth, of Lodi, O., who, for this purpose, has executed his note for $30,000, to bear interest from the first of June, 1890.

Mr. Ainsworth has also given the College three properties, valued at $9,000, for the endowment of Scholarships.

A Scholarship Note for $1,000, payable at death, has been given by Mrs. Anna Johnson, of Bay City, Mich.

Another Scholarship Note, subject to the same conditions, has been given by a person whose name is for the present withheld.

Bequests to the amount of about $11,000 have been made by different persons.

By the death of Mr. Isaac Kelly, of Mill Village, Pa., the College comes into possession of about $40,000 by bequest, subject to payment of an annuity of 3 per cent. to each of his two daughters during life.

The Apparatus of the Physical Laboratory has been increased by the purchase of delicate instruments for the measurement of quantities in Electricity as follows:

A Thomson Differential Galvanometer;
A Galvanometer Shunt of three bobbins;
A Lamp with reflective scale;
A Resistance Block of ten bobbins;
A Divided-metre Bridge.

These instruments were imported for the College from the celebrated manufacturers Breguet, of Paris, and Elliott Bros., of London, and are the finest instruments made.

Through the generosity of the citizens of Akron, and the liberality of the Trustees, the College is able to build an Astronomical Observatory during the coming summer, and equip the transit-room. The following instruments have been ordered, and will be ready for use at the beginning of the Fall Term of 1885:

A Transit Circle of three inches aperture, with circles sixteen inches in diameter, by Fauth & Co., of Washington. One of the circles is coarsely divided on the edge, and serves as a finder; the other is divided into five-minute spaces, read by two micrometer microscopes to single seconds. It is also provided with a right ascension and declination micrometer, a sensitive striding level, read by means of a mirror, and a level attached to the telescope for measuring differences of zenith distances. The illumination of the micrometer wires and the reading microscope is by incandescent electric lights.

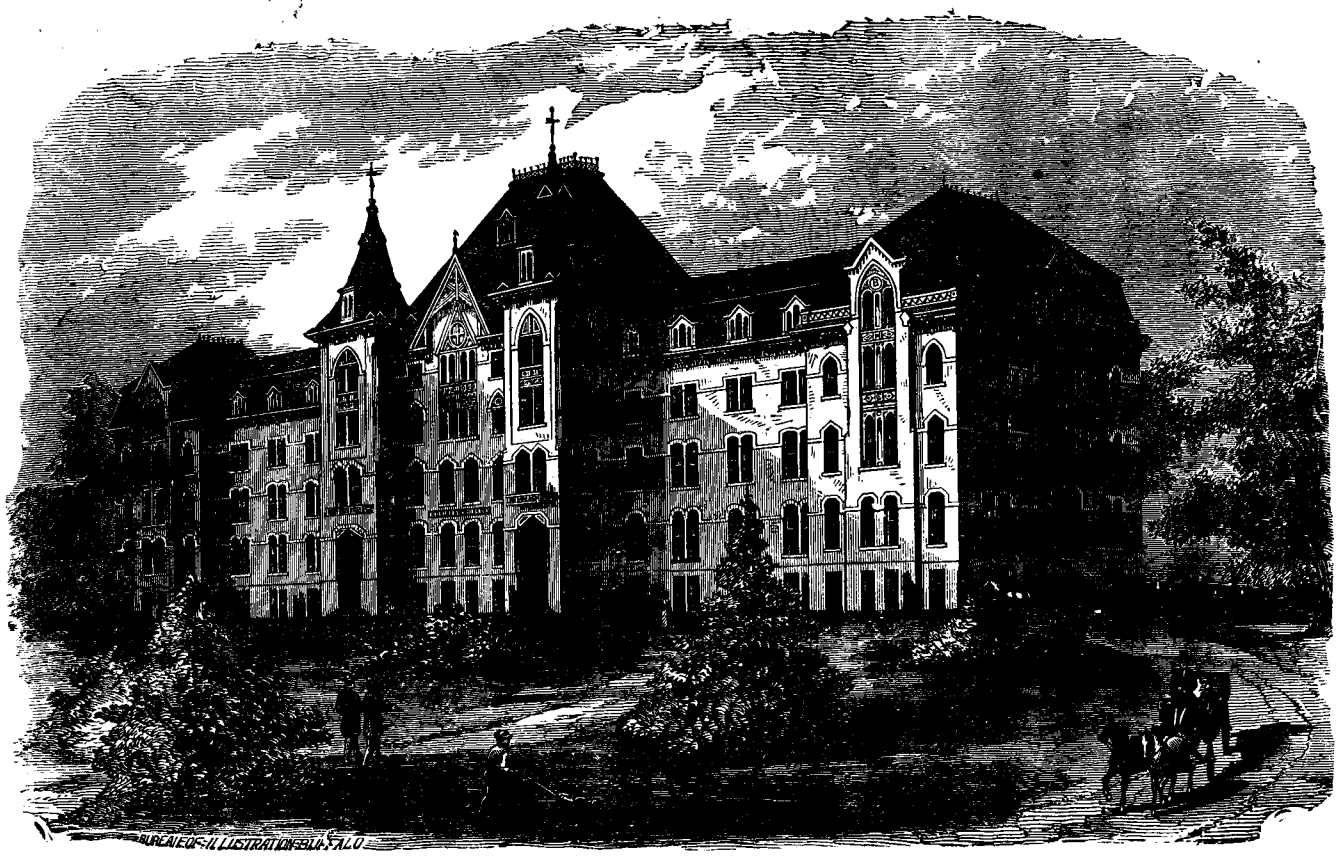
A Sidereal Clock by Howard, of Boston, presented by the jewelers of Akron.

A Mean-time Clock with electrical attachments for distributing time-signals and dropping a time-ball.

A Chronograph, by Fauth & Co.

A Sextant of seven and a half inches radius, reading to ten seconds, by Fauth & Co.

The College has also a small portable Telescope of four and a half inches aperture, by Pike, of New York.



BUCHTEL COLLEGE, AKRON, OHIO.