

TENTH ANNUAL CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF

Corvallis State Agricultural College,

CORVALLIS, OREGON,

1874---1875.



SALEM, OREGON :

E. M. WAITE, BOOK AND JOB PRINTER.

1875.

Small of 32-10-12 13aw



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HON. R. S. STRAHAN,
MR. B. R. BIDDLE.

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B. L. ARNOLD, A. M.,

PRESIDENT AND PROFESSOR OF MORAL PHILOSOPHY AND PHYSICS.

REV. J. EMERY, A. M.,

PROFESSOR OF MATHEMATICS.

B. J. HAWTHORNE, A. M.,

PROFESSOR OF LANGUAGES.

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MUSIC DEPARTMENT.

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PROFESSOR OF MILITARY SCIENCE.

Alumni et Alumnae.

1870.

JAS. K. P. CURRIN, B. S.....Cottage Grove.
ROBT. McVEATCH, B. S.....Cottage Grove.
ALICE E. BIDDLE, B. S.....Corvallis.

1871.

GEO. F. BURKHART, B. S.....Lebanon.
H. McN. FINLEY, A. B.....Corvallis.
JAS. D. FOUNTAIN, B. S.....Jacksonville.
W. R. PRIVETT, B. S.....Corvallis.
MARY J. HARRIS, B. S.....Corvallis.
FANNIE J. KENDOLL, B. S.....Corvallis.

1872.

THOMAS B. ALEXANDER, B. S.....Benton County.
JOHN EGLIN, B. S.....Benton County.
ROSA JACOBS, B. S.....Corvallis.
ALONZO J. LOCKE, B. S.....Corvallis.
JAS. K. P. WEATHERFORD, B. S.....Linn County.

1873.

LEANDER N. LIGGETT, B. S.....Albany.
CLARA THAYER, B. S.....Corvallis.
WILLIAM F. HERRIN, B. S.....Jacksonville.
OSCAR L. ISON, B. S.....Baker City.

1874.

JOHN R. BRYSON, B. S.....Brownsville.
THOMAS H. CRAWFORD, B. S.....Norton's.
EMMET H. TAYLOR, B. S.....Corvallis.
EMMA THAYER, B. S.....Corvallis.

The following were graduated in Moral Philosophy and Mathematics, and were proficient in Chemistry :

GEORGE A. GRIMES.....Harrisburg.
WILLIAM C. CRAWFORD.....Norton's.



Agricultural Department.

NAMES.	RESIDENCE.
Baxter, Perry F.....	Corvallis.
Bean, Riley.....	Junction City.
Bogue, Ami.....	Corvallis.
Brock, George A.....	“
Carter, Henry L.....	Albany.
Cauthorn, Frank.....	Corvallis.
Chrisinger, H. French.....	“
Cochran, William H.....	Willamette Forks.
Crees, Harris W.....	Corvallis.
Elliott, Dayton.....	“
Elliott, Marion B.....	“
Flett, James J.....	Roseburg.
Fuller, George W.....	Corvallis.
Fuller, Reuben A.....	“
Gerhard, George M.....	“
Glass, Elvin J.....	“
Glass, John H.....	Crawfordsville.
Guthrie, Franklin.....	Junction City.
Hodges, Robert D.....	Albany.
Horning, Thomas H.....	Corvallis.
Jacobs, Isaac.....	“
Jasper, William R.....	Union Town.
Jeffreys, Samuel F.....	Polk County.

NAMES.	RESIDENCE.
Job, Zephin.....	Corvallis.
Jones, Benjamin F.....	"
Justice, J. A.....	"
Keesee, Henry W.....	"
Ledgerwood, William E.....	Roseburg.
Lent, George P.....	East Portland.
Linn, Philip E.....	Eagle Creek.
Looney, Alexander.....	Starr's Point.
May, John W.....	Oregon City.
McConnell, Perry A.....	Junction City.
McDonough, Carlos.....	Willow Springs.
Mercer, Albert.....	Corvallis.
Moore, Charles H.....	"
Pelton, Horace.....	Rock Point.
Rickard, Peter.....	Starr's Point.
Rounds, Hezekiah K.....	Junction City.
Simpson, John H.....	Corvallis.
Tarter, Nicholas.....	Lewisville.
Thompson, Newton A.....	Corvallis.
Ward, Lucien A.....	Harrisburg.
Witham, Charles.....	Corvallis.
· Total.....	44.



Collegiate Department.

Allen, Addie M.....	Corvallis.
Applewhite, Lodie.....	“
Baldwin, Ida.....	“
Baxter, Katie.....	“
Bayley, Lizzie.....	“
Bayley, Eva.....	“
Bowerline, Maggie.....	“
Bell, Lizzie.....	“
Bourn, Mary F.....	Albany.
Burnett, Alice E.....	Corvallis.
Burnett, Ida.....	“
Butterfield, Ella.....	“
Butterfield, Maggie.....	“
Carlile, Katie.....	“
Chenoweth, Lizzie A.....	“
Davis, Ella.....	“
Elliott, Sue M.....	“
Dohse, Mary E.....	“
Dunn, Alwilda E.....	“
Dunn, Ida.....	“
Dunn, Madge.....	“
Eglin, Mary A.....	“
Felger, Mary.....	Philomath.
Friedly, Minnie.....	Corvallis.
Fuller, Lucy E.....	“
Glass, Estella.....	“

NAMES.	RESIDENCE.
Graves, Maria.....	Corvallis.
Graves, Mary.....	“
Hamilton, Lizzie.....	“
Harris, Paulina.....	“
Harris, Matilda.....	“
Horning, Alice.....	“
Horning, Jane.....	“
Jacobs, Eda.....	“
Johnson, Ethel.....	“
Kelsay, Annie.....	“
Keesee, Lizzie.....	“
Korthauer, Martha.....	“
Knight, Alma.....	“
Lent, Emma.....	East Portland.
Liggett, Emma.....	Corvallis.
Major, Mary B.....	“
Mercer, Laura.....	“
Montgomery, Scottie.....	“
Moore, Mary.....	“
Moore, Lily.....	“
Moore, Persis J.....	“
Motley, Hattie.....	“
Mulky, Alice.....	“
Mulky, Laurie.....	“
Neugass, Bertha.....	“
Osburn, Mary L.....	“
Owens, Alice.....	“
Robinson, Carrie.....	“
Rees, Emily.....	Monroe.
Rickard, Julia H.....	Starr's Point.
Right, Abbie.....	Corvallis.
Russ, Luella.....	“
Simon, Clara.....	“
Smith, Ellie.....	“

NAMES.	RESIDENCE.
Stilson, Eunice.....	Corvallis.
Strahan, Fannie H.....	"
Taylor, Jessie L.....	"
Thompson, Laura.....	"
Thompson, Mary.....	"
Tyler, Mary.....	"
West, Sarah.....	"
White, Minnie.....	"
Wilson, Belle.....	"
Avery, Napoleon B.....	"
Baxter, Charles.....	"
Baxter, Edward.....	"
Bayley, Marcus.....	"
Brock, Jacob.....	"
Brock, Russell.....	"
Brock, Vineyard.....	"
Brown, Jacob S.....	Brownsville.
Burnett, John C.....	Corvallis.
Carlile, Alonzo.....	"
Carter, Orville E.....	"
Chenoweth, Ulysses S.....	"
Chrisinger, Robert M.....	"
Diller, Eddie.....	"
Dohse, Charles.....	"
Emery, James.....	"
Eglin, George F.....	"
Eglin, James L.....	"
Friedly, Arthur.....	"
Fuller, Wesley.....	"
Gray, William.....	"
Hamilton, Milton.....	"
Holgate, Arthur E.....	"
Holgate, William W.....	"
Houck, Jesse J.....	"

NAMES.	RESIDENCE.
Jacobs, Isadore.....	Corvallis.
Job, Benjamin.....	“
Johnson, Robert C.....	“
Keesee, Andrew T.....	“
Kiessling, Ernest.....	“
King, Eli.....	“
Liggett, James A.....	Philomath.
Neugass, Moses.....	Corvallis.
Osburn, David A.....	“
Osburn, James L.....	“
Polley, Arthur.....	“
Robinet, Moses.....	“
St. Clair, Wayman.....	“
Vincent, Fred.....	“
White, Ernest.....	“
Witham, Henry.....	“
Witham, Edward.....	“
Witham, Elvin.....	“
Young, Frank.....	“
Total.....	157.



Course of Study.

The Course of Study is distributed in Schools as follows:

- I.—School of Physics.
- II.—School of Mathematics.
- III.—School of Moral Science.
- IV.—School of Languages.
- V.—School of History and Literature.
- VI.—School of Engineering.
- VII.—Special Studies of Agriculture.

I.--SCHOOL OF PHYSICS.

This School comprises three Departments, viz:

- a.—Chemistry.
- b.—Natural Philosophy.
- c.—Biology.

A.—CHEMISTRY.

A.—Chemistry, Three Classes.

- I. JUNIOR.—Science Primers; Huxley & Roscoe. Experiments.
- II. INTERMEDIATE.—*General Chemistry*; Organic and Inorganic. Chiefly *Experiments*.
- III. SENIOR.—Analysis; Qualitative and Quantitative; the student must here do his own work.

Remark I.—No one can understand Biology, Mineralogy, Agriculture, Geology, in their principles without a knowledge of Chemistry; hence students must study Chemistry before entering upon these subjects, or they must be studied concurrently with Chemistry.

B.—NATURAL PHILOSOPHY.

The doctrines of Light, Heat and Electricity, are taught in

this department; also, Mechanics in its lower forms; Astronomy, and for the present, Mineralogy, Geology and Meteorology. These subjects will be discussed in the light of the Correlation and Conservation of forces. We are prepared to demonstrate experimentally the more important principles taught here.

TEXT BOOKS.—Silliman's (Physics), Dana, Loomis, Maury, Olmsted, Peck, Tyndall.

C.—BIOLOGY.

Here come to be considered the general principles of life on its physical side. Vegetable and Animal Physiology, Botany, Zoology.

TEXT BOOKS.—Huxley, Carpenter, Gray or Wood, Agassiz.

The more important principles will be demonstrated by microscope. We hope to have a Spectroscope this year, when spectroscopic analysis will be taught.

II.—SCHOOL OF MATHEMATICS.

This course is divided into three classes—Junior, Intermediate and Senior.

JUNIOR.—Algebra and Geometry completed. Trigonometry, Surveying and Engineering.

INTERMEDIATE.—Analytical Geometry. Descriptive Geometry, Differential Calculus.

SENIOR.—The Differential Calculus. The Integral Calculus. Mechanics and Astronomy.

PREPARATIONS NECESSARY FOR ENTERING THE JUNIOR CLASS.

Students must pass an examination on higher Arithmetic and higher Algebra to Quadratics, and on four books in Geometry before entering the Junior class.

TEXT BOOKS.—Davis, Loomis, Courtenay, and Todhunter for reference.

III.--SCHOOL OF MORAL SCIENCE.

Here are taught:

- 1.—Mental Philosophy.
- 2.—Logic.
- 3.—Political Economy.

TEXT BOOKS.—Hamilton, Mill, Wayland and Butler.

Post-Graduate Class in Moral Philosophy.

Ueherrweg's History of Philosophy will be constantly studied during the course.

Hamilton's Doctrine of Common Sense, Perception and the Conditioned, and Logic more thoroughly studied.

Cousin's History of Modern Philosophy. The True, Beautiful and Good.

Jouffroy's Ethical Theories.

Some portions of Aristotle's Rhetoric, Politics and Trendelenburg's *Elementa Logices Aristotelæ*.

Butler's Analogy.

Cousin will be studied with reference to Locke.

The Doctrines of Modern Sociology; a rigid Logical Analysis all along required.

IV.--SCHOOL OF LANGUAGE.

This school is divided into two Departments:

- A.—Ancient Language.
- B.—Modern.

A.—ANCIENT LANGUAGE.

Here are taught Greek and Latin.

FIRST—Greek. There are two classes, Junior and Senior.

Junior class will read Xenophon and Homer.

Senior will read Demosthenes, Plato, Thucydides and some Tragedy.

LATIN.—Two classes, Junior and Senior.

Junior—Books read—Cæsar, Virgil and Livy.

Senior—Books read—Horace, Cicero, Tacitus and Juvenal.

Exercises written in each Language, required throughout the course.

Greek Grammars.—Kuhner's Elementary, Hadley, Goodwin's Moods and Tenses. Liddell and Scott's Lexicon.

Latin.—Gildersleeve's Grammar, Harrison's, Gildersleeve's Exercise book. Andrew's Lexicon.

PREPARATION NECESSARY TO ENTER THIS SCHOOL.

I.—GREEK.

Xenophon's Anabasis entire, and five books of Homer. The pupil must have written all the exercises in Kuhner's Elementary Greek Grammar, as far as Syntax; must be able to give with readiness all the synopses of the verbs; give mode-vowels and personal endings.

2.—LATIN.

Cæsar entire, Sallust and Ovid; Andrew's edition of the latter will be sufficient.

The students must be able to inflect nouns and verbs with facility; must have written through the 1st and 2d courses of Gildersleeve's Latin Exercise book, or be able to write it with correctness and some degree of ease.

B.—MODERN LANGUAGE.

This course comprehends French, German and Anglo-Saxon.

1. GERMAN.—Comfort's Grammar for beginners and Whitney's for advanced students; besides the readers, such authors and parts of authors will be read as the teachers may deem fit.

2. FRENCH.—De Vere's Grammars and Readers; besides Readers, such authors and parts of authors will be read as the teachers may deem fit.

3. ANGLO-SAXON.—Grammar, March; Reader, March.

V.--SCHOOL OF HISTORY AND LITERATURE.

1. HISTORY.—History of Greece, of Rome, of England, of United States.

2. LITERATURE.—History of the English Language and Literature; English Grammar; a portion of Aesthetics; Anglo-Saxon form of English.

TEXT BOOKS.—Smith's Smaller Histories of Greece and Rome; Smith's Student's Gibbon's Decline and Fall, and the Student's Hume's History of England by the same author; Taylor's Manual of Modern History.

TEXT BOOKS IN LITERATURE.—Kames's Criticism; Brown's English Grammar; Hart's English Literature and American Literature; Shakespeare; Corson's Hand-book of Early English.

VI.--SCHOOL OF ENGINEERING.

This department cannot be fully organized yet for want of funds. Besides what of this course is taught in the schools of Mathematics and Physics, we teach Drawing and Descriptive Geometry, Shades and Shadows, and general principles of Civil Engineering.

TEXT BOOKS.—Warren, Church, Mahan.

VII.--SPECIAL STUDIES OF AGRICULTURE.

The general principles of Agriculture are taught in the Chemical department. The following *special* studies are taught: Composition and analysis of soils; preparation of soils, manures, modes of drainage, etc. Method of preparing farm buildings, stock raising, fruit culture, and as soon as possible the special Geology of Oregon.

TEXT BOOKS.—Caldwell's Agricultural Analysis. How Plants Grow; Liebig; Allen's Farm Book; Goodales on Stock-Breeding, and Downing on Fruit Culture, and, at an advanced point in the course, Kemp's Landscape Gardening.

All agricultural students must recite daily in this department.

MILITARY DRILL AND MANUAL LABOR.

All State students are required to drill once a day, and to perform a small amount of manual labor on the farm.

NOTE.—PRACTICAL MECHANICS.—As soon as funds and circumstances justify, Practical Mechanics will be taught, when the student will have an opportunity of acquiring a practical dexterity in various trades.



Degrees and Examinations.

DEGREES.

There are four degrees conferred in this Institution:

1. The degree A. M., conferred on all who complete the course in the study of Physics, Mathematics, Moral Philosophy, History and Literature and Language.
2. The degree A. B., on such as complete the course in the schools of Physics, Moral Philosophy, Mathematics and Ancient Language.
3. The degree B. S., on such as complete the course in the schools of Physics, Mathematics, Moral Philosophy, Engineering, and Special Department of Agriculture.
4. The degree of Graduate of a School on such as complete the course in any school.

Remark. The title Proficient will be granted to any candidate for degrees, who shall have passed two successful examinations, one of which must be final.

EXAMINATIONS.

Stated examinations all done in writing; they are of two kinds—Intermediate and Final. The Final examination occurs at the end of the year.

Failures to pass at examination.—No student failing to pass at examination on any study, will be admitted to a second examination on that study during the same year.

Candidates for degrees, will, at their final examination, be examined on the *entire course*. Students in the Ancient Languages will be examined for degrees in the Classical Authors at the will of the Professor, and this examination will not be confined to the authors read by the student during the session in the lecture room.

Regulations.

We require but two things of students, viz: *Gentlemanly conduct and good lessons*—these are unconditionally required.

By gentlemanly conduct, we mean that all students are required to behave toward one another and toward teachers as the laws of refined society direct.

GOOD LESSONS.—We mean by “good lessons” that students will be required to attain in daily recitation at least 50; our standard of perfect lessons being 100. Everything like inattention, talking, communicating in any way whatever during recitations, and being tardy at recitation, will detract from merit of recitation. Students persisting in a violation of these rules will be promptly dismissed.

We sincerely hope that no student who does not intend to obey *cheerfully* these simple laws, will apply for admission.

REMARK 1.

No student from another school will be admitted to this school, unless he bring a certificate of good conduct from the President of that school.

REMARK 2.

No student will be allowed to take up less than three studies, or more than five, except in special cases.

REMARK 3.

No student will be allowed to change a study in any case, or discontinue a study, unless, in case of ill health, he bring a certificate from a physician of good standing that such change or

discontinuance is absolutely necessary, or the Faculty see fit to allow such change or discontinuance.

REMARK 4.

All cases of disorder at recitation, absence from recitation, &c., will be reported and students permitted to render their own excuses upon honor, and in writing; their excuses to be submitted to the entire Faculty for examination, and demerits awarded accordingly. But in all cases students must state *special*, not *general* reasons. It will not do to say, "I had important business," but the kind of business must be stated, and the Faculty must decide its *importance*.

REMARK 5.

The laws of the State forbid drunkenness, gambling, riotous conduct of any kind, attending saloons; penalty for persistence—expulsion.

REMARK 6.

All communications between ladies and gentlemen on the College premises are expressly forbidden.

REMARK 7.

Any student leaving this College without the permission of the Faculty, is liable to be declared expelled.

SCALE OF DEMERITS.

Absence from recitation.....	5 to 10
Late at recitation.....	5 to 10
Failure at recitation.....	5 to 10
Leaving recitation without excuse.....	5 to 30
Ladies and gentlemen conversing on College premises...	5 to 25
Disorder at recitation.....	5 to 50
General disorder.....	5 to 100
100 demerits dismiss.	

Miscellaneous.

LOCATION.

The College is located at Corvallis, Benton County, Oregon. This is a pleasant and healthful place.

SESSIONS.

The scholastic year consists of ten months, of twenty days each. This is divided into three equal terms as heretofore.

EXPENSES.

TUITION PER TERM.

Tuition charged from date of entrance to end of Term. No deduction except for sickness.

Primary Department.....	\$ 6 00
Preparatory (English) Department.....	10 00
Preparatory (Classical).....	12 00
Collegiate (Irregular).....	13 00
Collegiate (Regular).....	15 00
Laboraty fee for students of Chemistry.....	1 00

EXTRAS.

Modern Language, each.....	5 00
Graduating fee, Classical course.....	10 00
Graduating fee, Scientific	8 00

All this must be paid in U. S. gold coin. Tuition at the beginning of each Term.

BOARD.

Board costs from three to four dollars per week.

STATE STUDENTS.

The law provides for the free tuition of sixty young men, over sixteen years old. Young men may secure appointments by applying to the Senator for the district in which they reside, or to the President.

TO THE PUBLIC.

Let no one trust a minor without the permission of his or her parent or guardian.

REPORTS.

Regular monthly reports are sent to parents; these reports show the standing, deportment, &c.

There are two Literary Societies, the Adelpian, and Gamma Chi. These societies meet weekly for literary exercises.

CALENDAR FOR 1875-76.

FIRST TERM begins September 27, 1875.

SECOND TERM begins December 27, 1875.

THIRD TERM begins April 1, 1876.

Commencement Day, July 1, 1876.

1. It is presumed that all students attending this school, seek honor in scholarship; this they *cannot get* without passing a thorough examination, for we will pass no person to degrees unless that person pass the examination required.

2. All undergraduates attaining at examination 75 per cent., will receive a certificate of distinction.

3. All graduates of this school can attend lectures in any school in which they may have been passed to graduation, *free of charge*.

4. There will be no holidays except one or two days at Christmas, and this at the option of the Faculty.

All absentees from recitation will receive the mark of failure at recitation, whether absent with excuse or without it, unless in case of protracted, serious sickness.