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Catalogue [and circular] of the officers and students of the Wisconsin State University, for the year ending June 27th, 1860. 1860

[Madison, Wisconsin]: [The University], [s.d.]

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BOARD OF REGENTS

CATALOGUE

OF THE

OFFICERS AND STUDENTS

OF THE

WISCONSIN STATE UNIVERSITY

FOR THE YEAR ENDING JUNE 27TH, 1860.

THE UNIVERSITY OF WISCONSIN
OFFICE OF THE CHANCELLOR
MADISON, WISCONSIN

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OFFICE OF THE CHANCELLOR
MADISON, WISCONSIN

WISCONSIN STATE UNIVERSITY

FOR THE YEAR ENDING JUNE 27th, 1880.
The University of Wisconsin was founded in 1848, and has since that time been a center of learning and research. It is one of the oldest and largest universities in the United States, and is proud to have produced many of the nation's leading scholars and statesmen.

The University of Wisconsin is a public institution, and is supported by the state of Wisconsin. It is a member of the Association of American Universities, and is one of the leading universities in the world. The University is proud to have produced many of the nation's leading scholars and statesmen.

THE UNIVERSITY OF WISCONSIN
OFFICE OF THE CHANCELLOR
MADISON, WISCONSIN

FACULTY.

BOARD OF REGENTS.

HENRY BARNARD, Chancellor, <i>ex-officio</i> ,		Madison.
LOUIS P. HARVEY, Sec'y of State, <i>ex-officio</i> ,		Madison.
J. L. PICKARD, Sup't of Pub. Inst., <i>ex-officio</i> ,		Madison.
ALFRED L. CASTLEMAN, Term expires Jan. 1861,		Milwaukee.
NATHANIEL W. DEAN, " "		Madison.
SAMUEL L. ROSE, " "		Watertown.
LEVI B. VILAS, " "		Madison.
JOHN G. McMYNN, " Jan. 1863,		Racine.
B. E. HUTCHINSON, " "		Prairie du C.
CARL SCHURZ, " "		Milwaukee.
HORACE A. TENNEY, " "		Madison.
O. M. CONOVER, " Jan. 1865,		Madison.
MOSES M. DAVIS, " "		Portage City.
NELSON DEWEY, " "		Platteville.
HARRISON C. HOBART, " "		Chilton.
JAMES D. RUGGLES, Secretary,		Madison.
NATHANIEL W. DEAN, Treasurer,		Madison.

O. M. CONOVER, A. M.
Principal of Preparatory Department in Public High School.

Entered by the Registrar of J. M. Larned, 1860.

FACULTY.

HENRY BARNARD, LL.D.,
CHANCELLOR.

.....*
Professor of Ethical and Political Science.

DANIEL RFAD, LL.D.,
Professor of Mental Science, Logic, Rhetoric and English Literature.

JOHN W. STERLING, A. M.,
Professor of Mathematics and Natural Philosophy.

EZRA S. CARR, M. D.,
Professor of Chemistry and Natural History.

DAVID BOSWELL REID, M. D., F. R. S. E.,
Professor of Physiology and Hygiene, and Director of Museum of Practical
Science.

JAMES D. BUTLER, A. M.,
Professor of Ancient Languages and Literature.

JOSEPH C. PICKARD, A. M.,
Professor of Modern Languages and Literature.

THOMAS D. CORYELL, A. M.,
Instructor in Surveying and Engineering.

DAVID H. TULLIS,
Instructor in Commercial Calculations and Book-keeping.

O. M. CONOVER, A. M.,
Principal of Preparatory Department in Public High School.

*Vacant by the resignation of J. H. LATHROP, LL.D.

FACULTY.

HENRY BARNARD, LL.D.,
 CHANCELLOR.

*.....
 Professor of Ethical and Political Science.

DANIEL READ, LL.D.,
 Professor of Mental Science, Logic, Rhetoric and English Literature.

JOHN W. STERLING, A. M.,
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 Professor of Modern Languages and Literature.

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 Instructor in Surveying and Engineering.

DAVID H. TULLIS,
 Instructor in Commercial Calculations and Book-keeping.

O. M. CONOVER, A. M.,
 Principal of Preparatory Department in Public High School.

*Tolent by the resignation of J. H. Farnham, LL.D.

UNDERGRADUATES

(ALPHABETICALLY ARRANGED)

GRADUATING CLASS, JUNE 26, 1860.

NOTE.—C, Classical; S, Scientific; P, Preparatory.

NAME.	COURSE.	RESIDENCE.
George W. Bird,	C	Madison.
Leander M. Comings,	C	East Eddington, Me.
Thomas J. Hale,	C	Racine.
John B. Parkinson,	C	Fayette.
William P. Powers,	C	Madison.
Meilan W. Serl,	S	Springfield.
Fred. T. Starkweather,	C	Milwaukee.
John E. Sutton,	C	Hanchettville.
Richard D. Taylor,	S	Madison.
James Byrne,	P	Madison.
Gary M. Campbell,	P	Madison.
Wm. Campion,	P	Winged Point.
Geo. W. Carter,	S	Fair View.
Chas. G. Chittenden,	P	Madison.
William W. Church,	C	Madison.
Geol. P. Clark,	S	Lamar.
James Clark,	S	Madison.
Phineas J. Cowson,	C	Watkins.
Webster J. Cushman,	P	Felton.
Leander M. Cushman,	C	East Eddington, Me.
Ezekiel L. French,	P	Madison.
Joseph Curtis,	P	Richmond.
Wm. S. Davenport,	C	Madison.
Henry C. DeForest,	C	Madison.

UNDERGRADUATES.

(ALPHABETICALLY ARRANGED.)

NOTE.—C, Classical; S, Scientific; P, Preparatory; † Studying Latin.

NANE.	COURSE	RESIDENCE.
John S. Abbott,	P	Madison.
Gideon W. Allen,	S	Trempealeau.
Arthur E. Arnold,	P	New Rutland, Ill.
Benj. D. Atwell,	P	Madison.
Wm. P. Atwell,	P	"
Farlin Q. Ball,	S	Monroe.
Wm. H. Ball,	P	"
John W. Blake.	S	Jefferson.
Geo. W. Bird,	C	Madison.
M. Leonard Bradley,	P	"
Jas. B. Britton,	C	"
Elliott K. Brown,	S	Fond du Lac.
Gustavus H. Bryant,	S	Lake Mills.
James H. Bull,	C	Middleton.
James D. Butler,	P	Madison.
Norman C. Butler,	P	Tallahassee, Fla.
Richard Butler,	S	Cambridge.
James Byrne,	P	Madison.
Cary M. Campbell,	S	"
Wm. Campton,	P	Mineral Point.
Geo. W. Carter,	S	Fair Water.
Chas. C. Chittenden,	P	Madison.
William W. Church,	C	"
Geo. F. Clark,	S	Lamartine.
James Clark,	S	Montrose.
Phineas J. Clawson,	C	Waukesha.
Webster J. Colburn,	P	Jefferson.
Leander M. Comings,	C	East Eddington, Me.
Ezkiel L. Craton,	P	Monroe.
Joseph Curtis,	P	Richland.
Wm. S. Davenport,	C	Monroe.
Henry C. De Forest,	C	Madison.

NAME.	COURSE.	RESIDENCE.
Elias B. Delamatyr,	P	Middleton.
Arthur Demming,	P	Terre Haute, Ill.
Edwin Alis De Wolf,	P	Madison.
Frank P. De Wolf,	P	"
John Dow,	S	Cambridge.
Melvill Eggleston,	P	Madison.
Braiser R. Ellis,	P	Westport.
William Fallows,	P	Hanchettville.
Edward J. Foster,	S	Mayville.
Dwight P. Frank,	P	Hanchettville.
Philander W. French,	S	Fitchburg.
Almerin Gillett,	S	Geneva.
Henry L. Gray,	P	Madison.
Peter Greeley,	S	Monroe.
Milton S. Griswold,	C	Waukesha.
Joseph L. Griswold,	P	Caldwell's Prairie.
Ambrose A. Grant,	P	Fall River.
Thomas J. Hale,	C	Racine.
Azariah S. Hall,	C	Hanchettville.
Joseph G. Hall,	P	Monroe.
Brant Hammond,	S	Verona.
Thomas M. Haynes,	S	Black Earth.
Henry H. Helms,	S	Fitchburg.
Rob't H. Henry,	S	Verona.
James L. High,	P	Black Earth.
Theodore May Hobby,	P	Madison.
Geo. B. Hopkins,	P	"
Alonza G. Jack,	P	"
Jay Jennings,	P	Caledonia.
Brown C. Johnson,	P	Madison.
Chas. D. Jones,	P	"
Eugene A. Jones,	P	"
John L. Joyce,	S	"
Perrin C. Judkins,	P	"
Clarence O. Kellogg,	P	"
Oscar H. LaGrange,	S	Ripon.
Michael Leahey,	C	Portland.
John Leahey,	S	"
Geo. M. Leland,	C	Ottawa, Ill.
Herbert A. Lewis,	S	Windsor.
Jas. O. Lyman,	S	Hartford.
Fielding Mansfield,	S	Madison, Indiana.
Rob't Mac McBride,	S	Mansfield, Ohio.
Benj. F. McCormick,	P	Madison.

NAME.	COURSE.	RESIDENCE.
Aaron McCracken,	S	Monroe.
Andrew J. McFarlane,	C	Portage.
Jefferson C. McKinney,	S	North Leeds.
Edward G. Miller,	P	Sweet Home.
Henry C. Miller,	P	Monroe.
John N. O'Brien,	P	Cascade.
William L. O'Connor,	S	Ripon.
Ceylon Henry Olney,	P	Madison.
Torge J. Olesen,	P	"
Orlando B. Orton,	P	"
Otho S. Orton,	P	"
Obed A. Palmer,	C	Milwaukee.
John B. Parkinson,	C	Fayette.
John D. Parkinson,	C	Madison.
Samuel Porter,	C	Tonica, Ill.
William P. Powers,	C	Madison.
James Sans. Prentis,	P	Milwaukee.
Miron H. Puffer,	S	Jefferson.
Volney Rattan,	S	Morefield.
Edward Harrison Reed,	P	Madison.
Hugo A. B. Reid,	P	"
Otis Remick,	S	Cornish, Me.
R. A. Remick,	S	Detroit, Mich.
Stark S. Reque,	C	Deerfield.
Peter S. Repue,	P	"
Orson Rice,	P	Orion.
William Risk,	S	Easton.
Augustus H. Salisbury,	P	Orion.
William A. Salisbury,	S	Ghent, Ohio.
Jotham Scudder,	P	Juda.
Milan W. Serl,	S	Springfield.
William T. Shrewsbury,	S	Madison, Indiana.
Harrison W. Sigworth,	S	Fryburg, Penn.
Edwin Dwight Simmons,	P	Lake Mills.
Almon Smith,	S	Monroe.
Algemon Sidney Smith,	S	Louisville, Ky.
Henry D Smith,	C	Verona.
John M. Smith,	P	Monroe.
William E. Spencer,	C	Madison.
James C. Spencer,	P	"
Albert T. Spooner,	P	Rutland.
John C. Spooner,	P	Madison.
Asher Starkweather,	P	Columbus.
Fred. S. Starkweather,	C	Milwaukee.

NAMES.	COURSE.	RESIDENCE.
William C. Stevens,	P	Madison,
Isaac N. Stewart,	S	Waukesha.
James W. Stillman,	S	Westerly, R. I.
Emory F. Stone,	P	Oxford, Mass.
John E. Sutton,	C	Hanchettville.
J. Dwight Tredway,	C	Madison.
Thomas Van Matre,	P	"
Henry Vilas,	C	Mineral Point.
Levi M. Vilas,	C	"
Chas. H. Vilas,	P	"
Washington I. Wallace,	P	"
Samuel H. Watson,	S	Baraboo.
Daniel Le Roy Webster,	P	Foulton.
Chandler S. Whittier,	S	Madison.
Conelius E. Williams,	S	Markison.
Daniel G. Williams,	P	Sweet Home.
Edwin E. Woodman,	S	Monroe.
William Wyse,	P	Sauk City.

COMMERCIAL CLASS.

NAME.	RESIDENCE.	
Benj. F. Atwell,	Madison,	Wisconsin.
E. P. Brooks,	"	"
Wilmot Booth,	"	"
William Booth,	"	"
F. B. Bryant,	"	"
J. S. Babcock,	Columbus,	"
Wm. S. Bradbury,	Madison,	"
N. C. Butler,	"	"
H. D. Cox,	Milford,	"
C. P. Chapman,	Madison,	"
F. C. Corbett,	Corbettsville,	New York.
A. A. Dutcher,	Madison,	Wisconsin.
Sam'l Fernandez,	"	"
K. J. Fleisher,	"	"
John Fleischer,	"	"
D. Fernandez,	"	"
P. W. French,	"	"
F. C. Fester,	"	"
W. H. Filkins,	"	"
E. D. Griswald,	"	"
E. B. Guild,	Lawrence,	"
Arthur Gleason,	Madison,	"
Neil Howie,	"	"
Paul Halverson,	Cottage Grove,	"
Joseph Heathcock,	Linden,	"
Wm. C. Jackson,	Madison,	"
A. J. Jackson,	"	"
C. Judkins,	"	"
Charles Jones.	"	"
C. H. Kellogg,	"	"
Clarence Kellogg,	"	"
T. M. Lewis,	"	"
Frederick La Rogee,	"	"
Chas. Miller,	"	"

MEMBERS OF THE NORMAL CLASS.

LADIES.	RESIDENCE.	
Martha A. Chamberlain,	Dane County.	
Mary H. Chamberlain,	" "	
Hannah J. Crocker,	" "	
Frances J. Duncan,	Rock	
Hennetta Davis,	Dane	
M. M. Luness,	" "	
Kate Kavenaugh,	" "	
Louisa Larkin,	" "	
Julietta S. Mann,	" "	
Mary E. Peaslee,	" "	
Fannie C. Quiner,	" "	
Rosa Rogers,	" "	
H. A. Sweeney,	" "	
Sarah E. Farner,	" "	
Helen J. Tripp,	Columbia	
Lydia Sharp,	Dane	
Henrietta I. Lovewell,	" "	
Mrs. E. K. Hooker,	" "	
Josephine M. Rice,	Grove	Illinois.
Laura D. Barron,	Pepin	Wisconsin.
Hattie A. Hough,	Dane	"
Emily C. Quiner,	" "	"
Amanda Wright,	" "	"
Sophia O. Smith,	" "	"
Lottie Lattimer,	" "	"
Hattie Vroman,	" "	"
L. M. Powley,	" "	"
R. J. Spooner,	" "	"
M. M. Quiner,	" "	"
Lucy L. Cowes,	" "	"
GENTLEMEN.		
J. S. Babcock,	Columbia	"
E. F. Brown,	Dane	"
Norman O. Butler,	" "	"
B. R. Ellis,	University,	

GENTLEMEN.

RESIDENCE.

James R. Hanan,	Dane County	Wisconsin.
Lyman Hutchinson,	" "	" "
John J. Lewis,	Iowa	" "
J. O. Lyman,	Wash'ton	" "
A. Starkweather,	Columbia	" "
Isaac N. Stewart,	Waukesha	" "
M. A. Strong,	Columbia	" "
W. A. Delamatyr,	Dane	" "
W. H. Ball,	Green	" "
J. C. McKenney,	Columbia	" "
H. W. Ligworth,	Green	" "
A. Gillett,	Walworth	" "
F. Q. Ball,	Green	" "
L. M. Comins,	"	" "
M. H. Paffer,	"	" "
Wm. Risk,	Adams	" "
Richard Butler,	Dane	" "
Emory F. Stone,	Dane	" "
O. Remick,	Dane	" "
R. A. Remick,	"	" "
A. H. McCracken,	Green	" "
J. L. Potter,	Dane	" "
J. L. High,	"	" "
S. H. Watson,	"	" "
J. S. Lovewell,	"	" "

CIRCULAR

[illegible]

GENTLEMEN.

RESIDENCE.

James R. Hany,	Dane County	Wisconsin.
Lyman Hutchinson,	"	"
John J. Lewis,	Iowa	"
J. O. Lyman,	Washington	"
A. Starkweather,	Columbia	"
Isaac N. Stewart,	Waukesha	"
M. A. Strong,	Columbia	"
W. A. Delamater,	Dane	"
W. H. Ball,	Green	"
J. C. McKenney,	Columbia	"
H. W. Ligworth,	Green	"
A. Gillett,	Walworth	"
F. Q. Ball,	"	"
L. M. Comins,	"	"
M. H. Puffer,	"	"

SUMMARY.

Wm. Risk,	Adams	"
Richard Butler,	Dane	"
James F. Stone,	Dane	"
G. Bunick,	Dane	"
R. A. Bunick,	"	"
A. H. McCracken,	Green	"
J. L. Foster,	Dane	"
L. L. High,	"	"
H. Watson,	"	"
J. S. Lowry,	"	"
222	Total Number of Students	

Classical,
Scientific,
Preparatory,
Commercial,
Normal Class, Ladies,
" " Gents,
In all Departments,
Twice Counted.

SUBJECTS OF INSTRUCTION

CIRCULAR

OF THE

WISCONSIN STATE UNIVERSITY,

FOR THE

YEAR 1881, 1861,

SECOND YEAR

First Term.—Analytical Geometry—Smith's.

Horace—Satires.

Homer—*Iliad*—Owen's.

French—Fasquelle's French Course.

Second Term.—Differential Calculus—Smith's.

Integral Calculus—

Tacitus—Annals.

Boethius—*Prometheus*.

French—Robertson's Method.

Exercises in French Conversation.

Racine's *Athalie* and *Phedre*.

SUBJECTS OF INSTRUCTION

CLASSICAL COURSE.

FIRST YEAR.

First Term.—Algebra—Loomis'.

Livy—Lincoln's.

Xenophon's Memorabilia—Robbins.

History of United States.

Second Term.—Solid Geometry—Loomis'—Plane Trigonometry—Loomis'.

Mensuration, Surveying, Navigation—Loomis.

Horace—Odes.

Homer—Iliad—Owen's.

English Language.

SECOND YEAR.

First Term.—Analytical Geometry—Smith's.

Horace—Satires.

Homer—Iliad—Owen's.

French—Fasquelle's French Course.

Second Term.—Differential Calculus—Smith's.

Integral Calculus—

Tacitus—Annals.

Æschylus—Prometheus.

French—Robertson's Method.

Exercises in French Conversation.

Racine's Athelie and Phedre.

THIRD YEAR.

First Term.—Mechanical Philosophy—Peck's.
 General Physics—Lectures.
 Tacitus—Germania and Agricola.
 Demosthenes—De Corona.
 Rhetoric.
 English Literature.
 Mental Philosophy.

Second Term.—Spherical Trigonometry—Loomis'.
 Astronomy—Robinson's and Loomis'.
 General Physics—Lectures.
 Juvenile and Persius.
 Plato—Gorgias, or the Clouds of Aristophanes.
 Mental Philosophy.
 Logic.

FOURTH YEAR.

First Term.—Chemical Philosophy.
 Inorganic Chemistry.
 Ethics.
 International Law.
 Civil Polity.
 History of Philosophy.
 Christian Evidences.

Second Term.—Organic Chemistry.
 Geology.
 Botany.
 Constitutional Law.
 Political Economy.
 History of Civilization.
 Physiology of Public Hygiene.

SCIENTIFIC COURSE.

A course of study, under the above designation, equivalent to the classical course, occupying four years, has been established by an ordinance of the Board of Regents for the benefit of such students as desire to substitute advanced scientific studies for the Latin and Greek languages. It includes all the studies of the classical course, except the ancient languages; and in addition, the German language, and the Applications of

Science to Agriculture, Architecture, Mining, Surveying, Engineering, Public Health, &c.

The following table exhibits the subjects of study in this course for the year, arranged by terms:

FIRST TERM.	SECOND TERM.
Algebra.	Plane Trigonometry and Applications.
Solid and Spherical Geometry.	Differential and Int. Calculus.
Analytical Geometry.	Spherical Trig. and Astrono'y.
Mechanical Philosophy.	Natural Philosophy.
Natural Philosophy.	Organic Chemistry.
Inorganic Chemistry.	Geology, Botany.
History.	Constitutional Law.
Rhetoric.	Political Economy.
English Literature.	History of Civilization.
History of Philosophy.	English Language.
Christian Evidences.	Mental Philosophy.
Ethics.	Logic.
Internation Law.	Physiology, Public Hygiene &c
Civil Polity.	Practical Surveying, Engineering, Drafting, &c.
Practical Surveying, Engineering, Drafting, &c.	Speaking and Composing.
Speaking and Composition.	French Language.
French Language.	German Language.
German Language.	

The subjects of study belonging to the Department of Science, Literature and the Arts, are discussed under the following heads; each one of which is placed under the charge of a Professor, with such assistance as may be necessary, who is responsible for the progress and attainments of the students therein:

ETHICAL AND POLITICAL SCIENCE.

[Chair vacant.]

The instructions of this chair are rendered in course, to sub-graduates of the fourth year, and to such other students of the University as elect to attend. The subjects of instruction are eminently adapted to prepare the student to become a good and useful citizen of the Republic, and to fit him for civil service in the same. The course occupies a year, one exercise each day, as follows :

ETHICS—Moral Obligation ; Development of Moral Law ; Sanctions of Moral Law ; Practical application of the Science.

The text-book, Wayland's Elements of Moral Science, is used, merely as suggesting a convenient series of topics for oral lecture, and for familiar discussion in class.

CIVIL POLITY—Political Ethics ; Science of Government ; The American Constitution ; International Law ; History of Civilization.

This class of subjects is taught wholly by lecture, with intermediate examination and discussion. The student is required to write out his views on each topic, and at stated periods, to read his results before the class.

POLITICAL ECONOMY---Production of Material Wealth ; Distribution ; Exchange and Consumption ; Applications of the Science ; Relations to Civilization.

The discussion of this subject in class, is in the order of topics suggested by Say in his Treatise on the Production and Consumption of Wealth.

MENTAL PHILOSOPHY, LOGIC, RHETORIC, AND LITERATURE.

DANIEL READ, LL. D., *Professor.*

The instructions of this chair are rendered to subgraduates of the first, third and fourth years. An *extra* course on English Literature will be given annually to students not of the regular classes.

The course of instruction in *Intellectual Philosophy*, embraces an analysis of the powers of the human mind, *active* and *moral*, as well as those denominated *intellectual*, the examination of those powers in reference to criticism, to teaching, to the improvement of the individual and the progress of so-

ciety. It includes also, a critical review of the systems of philosophy, which have prevailed among men.

Logic is taught as to its principles and application; an outline of the laws of evidence and human belief is given; and in connection with this part of the subject, the evidences of Christianity are examined.

Rhetoric, so far as it relates to the subject of *invention* and *disposition*, is taught by lectures, upon the basis of Quintilian and Cicero; and as regards *style* and *criticism*, upon that of modern writers.

In the course of English Literature are included the history of the English language, an examination of its elements, powers and grammar, and the history of English Literature in its various departments.

In *history*, Webber's outlines will be used as a text-book. and a course of lectures will be given on the civil history of the United States.

The course in this department for the term beginning February 8th, will be the following:

I. MENTAL PHILOSOPHY—Embracing analysis of the faculties of the human mind, *active* and *moral*, as well as those denominated *intellectual*; examinations of these powers in reference to criticism, to teaching, to the improvement of the individual and the progress of society.

The course embraces a critical review of the systems of Philosophy which have prevailed among men.

The instruction of the department is conducted by means of text-books (Haven) and lectures. The student is required to give orally or upon the blackboard, an analysis of every subject, as well as to prepare carefully written abstracts and dissertations upon assigned topics. Hour from 10—11 A. M.

II. CLASS IN ENGLISH—History of English Language; its composition, grammar structure of sentences, punctuation. History of the progress of English Literature in its various departments. Hour 11—12—A. M.

III. SPEAKING AND COMPOSITION—All students required to engage in these exercises. 3. P. M.

MATHEMATICS AND NATURAL PHILOSOPHY.

J. W. STERLING, A. M., *Professor.*

COURSE OF STUDY.

FIRST YEAR.

Terms. { 1. Algebra—Loomis.
2. Solid and Spherical Geometry—Loomis; Plane
Trigonometry—Loomis; Mensuration, Sur-
veying and Navigation—Loomis.

SECOND YEAR.

Terms. { 1. Analytical Geometry—Smith's.
2. Differential and Integral Calculus—Smith's.

THIRD YEAR.

Terms. { 1. Mechanical Philosophy—Peck's; General
Physics (Lectures.)
2. Spherical Trigonometry—Loomis; Astronomy
—Robinson and Loomis; General Physics,
(Lectures.)

For admission to this course, candidates will, in future, be required to have a thorough knowledge of Arithmetic, Mental and Written; The Elements of Algebra, (Ray's) and Plane Geometry, (Loomis'.)

In this department there is one exercise daily for three years.

To secure thoroughness there will be frequent reviews, and written examinations on the subjects passed over.

On the various subjects of General Physics or Natural Philosophy, there will be weekly, extending throughout the year, at least two lectures accompanied by experimental illustrations. All who choose are permitted to attend these exercises.

Each regular member is expected to take notes of the lectures, and is frequently required to lecture on subjects previously discussed by the professor, repeating the experiments. This exercise is deemed important to cultivate in the student the habit of investigation and facility in communicating his knowledge.

Books of Reference in Natural Philosophy.—Loomis, Lardner, Silliman, Olmstead, Arnott, Muller, Library of Useful Knowledge, Brewster (Optics), Hershell (Light and Sound), Jackson, (Optics.)

CHEMISTRY, NATURAL HISTORY AND THEIR APPLICATIONS.

EZRA S. CARR, A. M., M. D., *Professor.*

The instruction in this department is given by lectures and demonstrations on the part of the professor and students, together with examinations.

The recitation of the student consists in his giving a lecture, illustrated with experiments and demonstrations on the same subject and after the manner of the Professor, thus not only requiring an intimate knowledge of the subject discussed, but at the same time the faculty of communicating his knowledge.

The subjects discussed embrace a full illustration of all the topics of theoretical or practical importance, and their applications to the useful arts, the processes of common life, Agriculture, Philosophy, &c.

FIRST TERM.

Chemical Philosophy, Chemistry of the Non-Metallic Elements, Fuel, Heating, Lighting, Ventilation, &c.

SECOND TERM.

Chemistry of the Metals and Metallurgy, Organic Chemistry, including the Chemistry of Animal and Vegetable Life; the Preparation, Preservation, Uses of Food, &c.

BOTANY.—The Plant being first considered as an individual in reference to the nature and processes of vegetable life; Second, its relation to other plants, or the Vegetable Kingdom; Third, its uses.

GEOLOGY.—Considered especially in relation to the uses of rocks, and their relations to useful minerals.

TEXT BOOKS.

CHEMISTRY.—Able & Bloxam, Regnault, Gmelin, Johnston's Chemistry of Common Life, Youman's Hand Book of Household Science, Knapp's Technology.

BOTANY.—Wood, Grey's Works, Lindley's Vegetable Kingdom.

GEOLOGY.—Hitchcock's, Lyell, Delabecche, Geological Reports of the different States.

ANCIENT LANGUAGES AND LITERATURE.

JAMES D. BUTLER, A. M. PROFESSOR.

COURSE OF STUDY.

FIRST YEAR.

Latin.

- Terms. { 1. Livy.
2. Horace—Odes.

Greek.

- Terms. { 1. Xenophon—Memorabilia—Robbins' Edition.
2. Homer—Iliad—Owen's Edition.

SECOND YEAR.

Latin.

- Terms. { 1. Horace—Satires.
2. Tacitus—History.

Greek.

- Terms. { 1. Homer—Iliad.
2. Æschylus—Prometheus.

THIRD YEAR.

Latin.

- Terms. { 1. Tacitus—Germania and Agricola.
2. Juvenal.

Greek.

- Terms. { 1. Demosthenes de Corona.
2. Plato—Gorgias.

The grammars used, are Crosby for Greek, and Andrews' (Revised Ed.) for Latin. For all but the most advanced students, the new Latin Dictionary by Crooks and Schem is recommended as by far the best.

Classical Geography will be illustrated by Kiepert's mural maps, the whole series of which hangs in the class-room. The light always radiating from words upon things, as on religion, art, philosophy, nationality, and the whole manner of ancient life, will be daily traced. No pains will be spared to make the classical languages elucidate our own vernacular. Throughout the curriculum, the study will be an exercise, not of mere verbal memory, but of philosophical memory, of discrimination, of rendering reasons, and of research concerning things, no less than words.

The time needful for completing this course will vary with the diligence and previous attainments of students.

Among the reference books which it is desirable that philological students should have on their tables—in addition to the grammars, of Crosby for Greek, and Andrews for Latin, and Liddell and Scott for Greek, may be mentioned :

Rich's Companion to the Latin Dictionary and Green's Lexicon.

Smith's Dictionary of Greek and Roman Geography, Biography, Mythology and Antiquaries. 6 vols. 8vo.

Doederlein's Latin Synonymes.

Finlay's Classical Atlas.

Becker's Gallus and Charicles.

MODERN LANGUAGES AND LITERATURE.

J. P. FUCHS, M. D., PROFESSOR.

COURSE OF STUDY.

Regular instruction will be given in the French and German Languages and Literature.

To the study of French, the student's attention will be constantly called to the etymological analogies of the Latin and French languages.

Extra instruction when desired, in Spanish and Italian.

French.

First Term.—Fasquelle's Course.

Second Term.—Robertson's Method. Exercises in French Conversation, Racine's *Athalie* and *Phedre*.

German.

FIRST YEAR.

First Term.—Ahn's Method.

Second Term.—Ahn's Method. Adler's Handbook.

SECOND YEAR.

First Term.—Fiark's Grammar. Schiller's Ballads and Plays.

Second Term.—Schiller's Plays. Goethe's *Faust*. Translations into German.

BOOK-KEEPING AND COMMERCIAL CALCULATIONS.

DAVID H. TULLIS, INSTRUCTOR.

This School has for two years been in successful operation in the City of Madison under the denomination of "Bacon's Commercial College." It is now a part of the University, and will soon be transferred to the rooms designed for it in the main edifice. At present rooms are occupied in Bruen's Block. The course of study consists of,

1st. Single and Double Entry Book-Keeping, embracing the various departments of Trade and Mercantile accounts, viz: Wholesale and Retail, Stock and Partnership Books, Shipping, Steam Boating, Railroad, Banking, Manufacturing, Commission, Joint Stock and Company Business.

2d. Commercial calculations, comprising the system of calculations appertaining to Percentage, Equation of Payments, Compound Equations, Exchange, (Domestic and Foreign,) Arbitration of Exchange, General Average, Arbitration of Merchandise, Tonnage of Vessels, Storage, and Custom House Transactions.

3d. Business Penmanship.

4th. Commercial Forms and Correspondence, including Forms of Invoices, Accounts current, Account Sales, Bills of Lading, Promissory Notes, Orders, Checks, Drafts, Bills of Exchange, Articles of Copartnership, and Business Letters.

5th. Lectures on Customs of Merchants, Rules of Trade, Commercial Law, Political Economy, &c., &c.

It is the purpose of the Board of Regents in the establishment of this Instructorship, to afford the student an ample opportunity to qualify himself for prosecuting the Mercantile Profession in any Department, and to any extent.

Students are taught separately, and not in classes, and can enter at any time they choose.

PREPARATORY DEPARTMENT.

Experience in this University, as in our Western Universities generally, has demonstrated the necessity of provision for instruction in branches which are properly preparatory to the different University courses. Young men of mature age often come to the University for instruction in some of its appropriate subjects, who wish also to perfect themselves in more elementary branches. To close the doors of the University

upon this class of young men, or not to afford them the facilities of instruction which they need, would be greatly to limit the sphere of its usefulness as a State Institution.

Provision is therefore made for full preparatory instruction, at the University Buildings. This instruction, under the direction and supervision of the Faculty, will be rendered by a competent Tutor. Those wishing preparation for the regular classes, merely a business education, or improvement in preparatory studies, with reference to teaching, will find within the University instruction adapted to their especial wants.

Students, of a suitable age, in this department, are allowed to occupy rooms in the University buildings.

TERMS OF ADMISSION.

Candidates for admission to the first year of the *Classical Course*, must pass a satisfactory examination in the Common Branches, the elements of Algebra (Ray's), Plane Geometry, (Loomis'), Latin Reader, Cæsar or Cornelius Nepos, Virgil's Aeneid, (6 books; the edition of Frieze is preferred as far the best), Crosby's Greek Lessons, and the Anabasis of Xenophon.

Instead of these particular works in Latin and Greek, any equivalent will be accepted.

For admission to the first year of the *Scientific Course*, the requirement is the same as for the Classical Course, omitting the Ancient Languages.

Candidates for advanced standing are also examined in the studies to which the class they propose to enter, have attained.

Such as desire to pursue a select course, will be admitted to any of the recitations for which they may be prepared.

Applicants for admission must present testimonials of good moral character.

It is provided in the by-laws, that no student shall be admitted by the Chancellor to residence in the buildings, or to the exercises of any term, till the charges for tuition, and room for study and lodging, shall have been paid, in advance.

RECITATIONS, ETC.

Each class attends three recitations or lectures, daily. There are also frequent exercises in declamation and composition.

EXAMINATIONS.

Each term is closed by a public examination of all the classes, at which every member of each class is required to be present. At the close of the second term the members of the regular classes will be examined in all the studies pursued during the year; and none will be allowed to advance whose examinations are not satisfactory.

These examinations will be both oral and written, and such as to furnish a thorough test of the students' acquirements.

LIBRARY APPARATUS, Etc.

The library of the University comprises over three thousand volumes.

In the cabinet of minerals, there are over four thousand specimens, and the whole is of great scientific value. Full suits of specimens, collected in the geological survey of the State, are directed by law to be deposited in the University.

The Farwell collection of specimens in natural history, recently donated to the University, is in excellent condition, and is of high scientific and instructional value.

The philosophical and chemical apparatus is well selected for most purposes of scientific illustration.

LITERARY SOCIETIES.

The literary societies, the Hesperian and Athenæan, are valuable aids in the intellectual training of the student. Each has a library of several hundred volumes.

Spacious and commodious rooms have been provided and furnished, and are now occupied in the new building for society halls.

MERIT ROLL.

A permanent record is kept of the daily attendance, conduct, and recitations of each student; and information of his standing communicated from time to time, to his parent or guardian.

RELIGIOUS EXERCISES.

The students are assembled at prayers daily in the chapel of the University, fifteen minutes before the morning hour for commencing study and recitation.

TERMS, VACATIONS, &c.

Commencement anniversary will hereafter be on the last Wednesday of June. And there will be but two terms in the collegiate year.

The *first term* will open six weeks from commencement, and continue nineteen weeks.

At the close of the first term there will be a *winter vacation* of seven weeks.

The *second term* will commence at the close of the winter vacation, or seven weeks from the Wednesday next before Christmas, and will continue twenty weeks, or till commencement.

The *summer vacation* will commence the last Thursday of June, and will continue six weeks.

ACCOMMODATIONS.

University Hall, costing \$50,000, has just been completed. This building contains commodious public rooms for recitation, lecture, library, cabinets, literary societies, &c. There are also two large buildings provided with pleasant study and lodging rooms for students, and apartments for boarding clubs, &c. These buildings are warmed, in the winter, by furnaces in the basement.

ROOMS, &c.

Rooms in the University, under certain restrictions and conditions, can be secured by early application to the locating officer.

No student will be allowed to occupy a room until his bills for the term are settled.

Students in the regular University classes, in previous occupancy, will be allowed to retain their rooms, if on the ground at the opening of the term.

Students from abroad, admitted to the University classes, and intending to complete the collegiate or scientific course, will be permitted first to draw by lot for vacant rooms.

Rooms are furnished at the expense of the students, who should bring their own bedding, towels, &c.; other furniture can be obtained here second-hand or new, at moderate prices.

Students, not accommodated in the University, and not residing with their parents in Madison, will lodge and board in town, under such regulations as the Faculty may prescribe.

Young pupils not prepared to enter either of the regular University courses, will board in private families, and parents

and guardians are particularly requested to make suitable arrangements in this regard, as no supervision on the part of the Faculty, can form an adequate substitute for the regular habits of the family.

EXPENSES.

Tuition per term of 20 weeks.....	\$6 00
Room " " " "	5 00
Fuel " " " "	5 00

Those who do not occupy private rooms are charged \$2 for fuel, besides tuition fees.

The above items comprise all University charges—except for damages actually done by students—and must in all cases be paid *in advance*.

The charge for a full course in the commercial college, time unlimited, is.....\$25 00

Good board, in private families, can be obtained for, from \$1 50 to \$2 50 per week; in clubs, from \$1 00 to \$1 50 per week.

ABSENCE.

The importance of punctual and continued attendance of students, from the beginning to the end of each term, cannot be too highly estimated. The loss of a single day bears unfavorably on the character and the progress of the scholar. The distribution of vacations, and their aggregate length, leave no justification for the encroachment upon term time by further unnecessary absence. It is to be hoped that parents and guardians will concur with the Faculty in refusing leave of absence in ordinary cases.

CALENDAR FOR 1861.

Second Term begins.....Wednesday, Feb. 6.

Commencement Anniversary at the the close

of second term.....Wednesday, June 26.

First Term begins.....Wednesday, Aug. 7.

" " closes.....Wednesday, Dec. 18.

Communications addressed to Prof. J. W. Sterling, respecting board, rooms, and other particulars, will receive prompt attention.

DEDICATION

ILLUSTRISSIMO.

ALEXANDRO W. RANDALL,
Armigero Reipublicae Wisconsinensis Gubernatori,

HONORATISSIMO.

BUTLER G. NOBLE,
Armigero Vice-Gubernatori,
Honorandis Curatoribus Hujusce Universitatis.

DOCTISSIMO.

HENRICO BARNARD LL.D
CANCELLARIO.

Omnibus denique, ubi cumque terrarum, humanitatis Cultoribus,
Reipublicae nostrae literariae Fautoribus

EXERCITATIONES HASCE JUVENES IN ARTIBUS
INITIATI.

GEO. W. BIRD,
LEANDER M. COMINS,
THOS. J. HALE,
WM. P. POWERS.

MILAN W. SERL,
F. T. STARKWEATHER
JOHN E. SUTTON,
JOHN B. PARKINSON.

HUMILLIME DEDICANT.

Nunc Statim habendas in comitiis universitatis,
Madisonae, Wisconsinensium, die Junii
Septimo vicesimo, anno
salutis MDCCLXX.

State University

COMMENCEMENT

Wednesday, June 27th, 1860

ORDER OF EXERCISES.

PRAYER.

MUSIC.

SALUTATORY ADDRESS. - G. W. Bird

MUSIC.

ORATION—The Philosopher the true Utilitarian, L. M. Comins
Language. - T. J. Hale

MUSIC.

ORATION—Decay of Nations. - W. P. Powers
" Mental Power. - M. W. Serl

MUSIC.

ORATION—Faith in the Union. - F. T. Starkweather
" Monuments. - J. E. Sutton

MUSIC.

ORATION—Ultima Thule. - G. W. Bird
MASTER'S ORATION. - J. F. Smith

MUSIC.

ORATION—"Learn to labor and to wait"
with Valedictory Addresses. - J. B. Parkinson

MUSIC.

CONFERRING OF DEGREES.

MUSIC.

BENEDICTION.

and guardians are particularly requested to make suitable arrangements in this regard, as no supervision on the part of the Faculty, can form an adequate substitute for the regular habits of the family.

Tuition per
Room "
Fuel "

Those who
fuel, besides

The above
for damages
be paid *in a*

The charge
time until
Good boy
\$1 50 to \$2
week.

The imp-
students, fr
be too high
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distribution
justification
unnecessar-
dians will c
in ordinary

Second Term
Commencement

of second term..... Wednesday, Aug. 7.
First Term begins..... Wednesday, Dec. 18.

Communications addressed to Prof. J. W. Sterling, respect-
ing board, rooms, and other particulars, will receive prompt
attention.