

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.

<i>Second Term</i> begins.....	Wednesday, Feb. 6.
<i>Commencement Anniversary</i> at the the close of second term.....	Wednesday, June 26.
<i>First Term</i> 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.

" E. "

## CATALOGUE

OF THE

# OFFICERS AND STUDENTS

OF THE

## WISCONSIN STATE UNIVERSITY,

FOR THE

Year Closing June 26, 1861.

## BOARD OF REGENTS.

L. P. HARVEY, Secretary of State, <i>ex-officio</i> ,		Madison.
J. L. PICKARD, Supt. of Public Inst. <i>ex-officio</i> ,		Madison.
JOHN G. McMYNN, Term expires 1863,		Racine.
CARL SCHURZ,	" "	Milwaukee.
HORACE A. TENNEY,	" "	Madison.
LEVI B. VILAS,	" "	Madison.
O. M. CONOVER,	" 1865	Madison.
MOSES M. DAVIS,	" "	Portage.
NELSON DEWEY,	" "	Cassville.
HARRISON C. HOBART,	" "	Chilton.
M. FRANK,	" 1867	Kenosha.
JOHN W. STEWART,	" "	Monroe.
THEODORE PRENTISS,	" "	Watertown.
EDWARD SALOMON,	" "	Milwaukee.
D. H. TULLIS, <i>Secretary</i> ,		Madison.
TIMOTHY BROWN, <i>Treasurer</i> ,		Madison.

## GRADUATES OF THE UNIVERSITY.

### FACULTY.

JOHN W. STERLING, A. M., Dean of the Faculty, and Professor of Mathematics and Natural Philosophy.
DANIEL READ, LL. D., Professor of Mental, Ethical and Political Science, Rhetoric and English Literature.
EZRA S. CARR, M. D., Professor of Chemistry and Natural History.
JAMES D. BUTLER, A. M., Professor of Ancient Languages and Literature.
JOHN P. FUCHS, M. D., Professor of Modern Languages and Literature.
J. D. PARKINSON, A. B., Tutor.
DAVID H. TULLIS, Instructor in Commercial Calculations and Book-keeping.

A. L. Mortimer,	Madison,	"
John McNaughton,	"	"
Charles Miller,	"	"
Edward Noyes,	"	"
John Nickolds,	"	"
James Nickolds,	"	"
Otho H. Orton,	"	"
Warham Parks,	"	"
John Reynolds,	"	"
H. M. Robinson,	"	"
John Sumner,	"	"
Lucius Strolp,	"	"
J. F. Spencer,	"	"
R. H. Spencer,	"	"
Geo. W. Smith,	"	"
Geo. W. Stoner,	"	"
John Stock,	Markle,	Indiana.
Isaac Snyder,	Madison,	Wisconsin.
Wm. E. Spencer,	"	"
J. W. Staples,	Mineral Point,	"
Stephen C. Thomas,	Madison,	Wisconsin.
Geo. H. Ufford,	"	"
Edward Voigt,	"	"
J. J. Vankulen,	Cottage Grove,	"
H. Vandervort,	Black Earth,	"
William Welling,	Madison,	"
Edwin T. Williams,	Markesan,	"
A. J. Whittier,	Madison,	"
Fred. Wallen,		

SUMMARY.

Classical .....	34
Scientific .....	43
Preparatory .....	42
Commercial .....	68
Twice counted .....	187
Total .....	7
	180

SUBJECTS OF INSTRUCTION.

CLASSICAL COURSE.

FIRST YEAR.

- FIRST TERM.—*Mathematics*—Algebra, Loomis'.  
*Latin*—Livy, Lincoln's.  
*Greek*—Xenophon's Anabasis.  
*History*—United States.
- SECOND TERM.—*Mathematics*—Algebra completed—Solid and Spherical Geometry, Loomis'; Plane Trigonometry.  
*Latin*—Livy continued.  
*Greek*—Xenophon's Memorabilia.  
*History*—General.
- THIRD TERM.—*Mathematics*—Mensuration, Surveying, Navigation, use of Instruments, Spherical Trigonometry.  
*Latin*—The Odes of Horace.  
*Greek*—Xenophon's Memorabilia continued.  
*English Language*—

SECOND YEAR.

- FIRST TERM.—*Mathematics*—Analytical Geometry, Smith's.  
*Latin*—Horace—Satires.  
*Greek*—Homer—Iliad, Owen's.  
*French*—Fasquelle's Course.
- SECOND TERM.—*Mathematics*—Differential and Integral Calculus, Smith's.  
*Latin*—Horace—Epistles.  
*Greek*—Homer or Æschylus, Prometheus.  
*French*—Robertson's Method.
- THIRD TERM.—*Mathematics*—Applications of the Calculus.  
*Natural Philosophy*—Somatology, Lectures; Mechanics, Snell's Olmsted.  
*Latin*—Horace finished.  
*Greek*—Homer or Sophocles.  
*French*—Reading from Chapsal's Lecons et Models de Literature.

## THIRD YEAR.

FIRST TERM.—*Natural Philosophy*—Mechanics, Hydrostatics, Pneumatics, &c., Snell's Olmstead.

*Latin*—Tacitus—Germania and Agricola.

*Greek*—Demosthenes—De Corona, or Thucydides.

*Rhetoric*—

*English Literature*—

SECOND TERM.—*Natural Philosophy* completed.

*Astronomy*—Olmsted, Snell's.

*Latin*—Tacitus or Juvenal.

*Greek*—Demosthenes, Thucydides, or the Clouds of Aristophanes.

*Mental Philosophy*—Intellectual Powers.

THIRD TERM.—*Astronomy*.—Snell's Olmsted, Loomis'.

*Latin*—Juvenal and Persius.

*Greek*—Æscylus.

*Mental Philosophy*—Active Powers.

*Logic*—

## FOURTH YEAR.

FIRST TERM.—*Ethics*—Haven.

*Christian Evidences*—Lectures.

*International Law*—Kent.

*History of Philosophy*—Lectures.

*Chemical Philosophy*—Lectures.

*German*—Ahn's Method.

SECOND TERM.—*Civil Polity*—

*Constitutional Law*—

*Chemistry*—The Metals—Organic Lectures.

*German*—Tiark's Grammar, Translations from English into German.

THIRD TERM.—*Political Economy*—Say's.

*Geology*—Lectures.

*Botany*—Lectures.

*Physiology*—Lectures.

*German*—Translations into German and select readings.

The SCIENTIFIC COURSE is the same as the Classical, omitting the *Ancient Languages*. Most of those, however, who pursue this course, take Latin, which is earnestly recommended.

Each student is expected to attend three recitations or lectures daily. There are also frequent exercises in Declamation and Composition.

The foregoing subjects of study are arranged under the following heads, each one of which is placed under the charge of a Professor, who is responsible for the progress and attainments of the students therein:

## ETHICAL AND POLITICAL SCIENCE.

[Chair vacant.—Instruction given by Prof. READ.]

The instructions of this chair are rendered in course, to subgraduates 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 society. 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. Algebra completed—Solid and Spherical Geometry—Plane Trigonometry.
  3. Applications of Trigonometry to Surveying, &c., and use of instruments—Spherical Trigonometry.

#### *Second Year.*

- Terms. {
1. Analytical Geometry—Smith's.
  2. Differential and Integral Calculus—Smith's.
  3. Applications of the Calculus, Mechanical Philosophy—Snell's Olmstedo—Lectures.

#### *Third Year.*

- Terms. {
1. Natural Philosophy—(Snell's, Olmsted.) Lectures on General Physics.
  2. Natural Philosophy, &c., continued.
  3. Astronomy—Olmsted, (Snell's)—Loomis.

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, Olmsted, Arnott, Muller, Library of Useful Knowledge, Brewster, (Optics,) Herschel, (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 necessarily acquiring 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.

*Fall Term.*

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

*Winter Term.*

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

*Spring and Summer Term.*

**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.**—Silliman, Regnault, Gmelin, Johnston's Chemistry of Common Life, Townsend's Hand Book of Household Science, Knapp's Technology.

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

**GEOLOGY.**—Hitchcock's Lyell, Delabèche, 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. Livy, continued.  
3. Horace—Odes.

*Greek.*

- Terms. { 1. Xenophon—Anabasis, or Cyropedia.  
2. Xenophon—Memorabilia.  
3. do do

## SECOND YEAR.

*Latin.*

- Terms. { 1. Horace—Satires—Prose Composition.  
2. Horace—Epistles— do  
3. Horace—Completed— do

*Greek.*

Homer, Iliad. Owen through the year.

## THIRD YEAR.

*Latin.*

- Terms. { 1. Tacitus, History or Annals.  
2. Tacitus, or Juneval.  
3. Juvenal and Persius.

*Greek.*

- Terms. { 1. Demosthenes de Corona, or Thucydides.  
2. do do do  
3. Plato or Æschylus.

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 Liddel and Scott for Greek, may be mentioned:

- Rich's Companion to the Latin Dictionary and Greek Lexicon.  
Smith's Dictionary of Greek and Roman Geography, Biography, Mythology and Antiquities. 6 vols. Svo.  
Doederlein's Latin Synonymes.  
Finlay's Classical Atlas.  
Becker's Gallus and Charicles.

## MODERN LANGUAGES AND LITERATURE.

J. P. FUCHS, M. D., *Professor.*

*a.—GERMAN.*1. *Class of Beginners.*

First Term.—Elements of the German Language, after Ahn's Method.

Second Term.—Tiark's Grammar. Translations from English into German. Woodburg's Reader.

Third Term.—Translations into German. Select readings from German Prose writers and Poets.

2. *Advanced Class.*

German Composition. Exercises in German Conversation. Readings from Goethe's or Schiller's Works. Synopsis of the German Literature.

b.—FRENCH.

First Term.—Fasquell's Course.

Second Term.—Robertson's Method.

Third Term.—Reading from Chapsal's *Lecons et Models de Literature.*

## 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 *Æneid*, (six books—the edition of Fricze 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 years 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 attended.

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. Students are received from other States.

## 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 year, the members of the regular classes will be examined in all the studies pursued during the year; and none