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UNIVERSITY OF MINNESOTA,  
SAINT ANTHONY, MINN., }  
December 1st, 1869. }

*To the Hon. Mark H. Dunnell, Superintendent of Public  
Instruction, for the State of Minnesota:*

SIR: I have the honor herewith to transmit the third  
annual report of the University of Minnesota, for the year  
ending this date.

Very respectfully,

Your obedient servant,

WILLIAM W. FOLWELL,

President of the University.

# REPORT

OF THE

## PRESIDENT OF THE UNIVERSITY.

It will be convenient to separate the time covered by this report into two periods; the former extending from the date of the last report, November 28, 1868, to June 24th, 1869, the close of the last academic year; the latter embracing so much of the current academic year as has now elapsed.

Not having been connected with the Institution during the greater of these periods, the writer is necessarily obliged to restrict this report to such matters as he finds on the records of the department of Elementary Instruction, the only one in operation.

The objects and organization of that department, the courses of studies, and the Faculty employed, have been sufficiently set forth in the second annual report already mentioned and to which you are respectfully referred.

The year appears, from all accounts, to have been a prosperous and successful one. At its close a number of young gentlemen were found to be prepared to enter upon the studies of the Freshman year of the University courses, or, at least, of a part of them.

The attendance was as follows, viz:

Young gentlemen,	-	-	-	-	108
Young ladies,	-	-	-	-	38
Total,	-	-	-	-	146

and as follows, viz:

In the Latin and Greek Course,	-	-	16
“ Latin and German Course,	-	-	14
“ Scientific and Agricultural Course,	-	-	75
“ Scientific and Latin Course,	-	-	5
“ Scientific and German Course,	-	-	30
Total,	-	-	140

As the Scientific and Agricultural courses are the same for the first two years, the students in them have not been separated.

I have to record the retirement from office, at the close of the Academic year, 1868-69, of three members of the Faculty of the Department of Elementary Instruction; to Rev. W. W. Washburn, Principal, to enter upon the duties of his profession, Professor Ira Moore, to take charge of the State Normal School at St. Cloud, and Mr. A. J. Richardson.

In the course of the year, the culinary department, which had been opened, was given up, it having been found to be under the circumstances, unprofitable.

II. I do not deem it necessary, nor within my province to call your attention to the acts of the Board of Regents, but it will be convenient to note that during the vacation which preceded the opening of the present Academic year progress was made in the matter of permanent organization; a Faculty was elected, and the intention of opening certain of the University courses proper was announced.

#### THE FACULTY.

WILLIAM W. FOLWELL, M. A.,  
 PRESIDENT and Professor of Mathematics.\*

GABRIEL CAMPBELL, M. A., B. D.,  
 Professor of Moral and Intellectual Philosophy, and Instructor in German.

EDWARD H. TWINING, M. A.,  
 Professor of Chemistry, and Instructor in Natural Science and in French.

\*Includes for the present Astronomy and Civil Engineering.

VERSAL J. WALKER, M. A.,

*Professor of the Latin Language and Literature.*

JABEZ BROOKS, M. A., D. D.,

*Professor of the Greek Language and Literature.*

ARIS B. DONALDSON, B. A.,

*Professor of Rhetoric and English Literature.*

R. W. JOHNSON, MAJ. GEN., U. S. A., M. A.,

*Professor of Military Science.*

DANIEL A. ROBERTSON,

*Professor of Agriculture.*

ARTHUR BEARDSLEY, C. E.,

*Assistant Professor of Mathematics, and Instructor in Industrial Drawing.*

#### ORGANIZATION.

All the members reported for duty at the beginning of the present term. At an early meeting, the Faculty, so constituted, elected Professor Twining to be their Secretary, and requested him to prepare minutes of their proceedings in a suitable form for preservation. The Faculty meets regularly at two o'clock P. M. on Mondays. Reports of the students in all the class rooms during the previous week, and of all absences and delinquencies are laid before them. In the absence of legislation by the Board of Regents defining their powers, the Faculty have been obliged to use their discretion and to do accordingly whatever has seemed necessary for the good order and prosperity of the school. Their relations have been eminently harmonious.

#### FRESHMAN CLASS.

Immediately to the announcement of the Board of Regents, the first freshman class was formed at the beginning of the present year and term. Fourteen young men have been admitted at that rank. It occurs to me as not improper that their names be on record in your department. They are as follows:

Material may be, Prof...

Cornelius C. Adams,\*  
 James C. Campbell,\*  
 Frank W. Farnham,  
 Edward M. Johnson,  
 Edwin T. Mercer,  
 Albert E. McMullen,  
 Henry M. Williamson,\*

Washington Boright,  
 Warren F. Eustis,\*  
 Alfred B. Johnson,  
 Henry C. Leonard,  
 Newton McKusick,  
 Edward M. Van Cleve,  
 Sumner B. Woodsum.\*

Those marked with a \* have chosen the Latin and Greek course, called here for convenience the A Classical. The others are following Scientific courses. A course of study has been provisionally arranged for each of the two sets. The classical students are pursuing at the present time Algebra, Homer and Livy, with various appropriate exercises in History, Mythology, Greek and Latin composition, additional. The scientific students have Algebra with the others, Chemistry and German.

#### REQUISITES FOR ADMISSION.

The requisites for admission to the freshman class as fixed for the present, are as follows:

All candidates for admission, (to whatever course,) shall be examined in Arithmetic, (including the metric system and Weights and Measures,) English Grammar, Geography, and American History.

The following are the additional qualifications required for the respective courses:

#### I. CLASSICAL COURSES.

##### A. Latin and Greek Course.

1. *Latin*.—Grammar, (Harkness preferred,) Latin Reader, Caesar's Commentaries, Cicero's Orations, First two books of the *Aeneid*, Harkness' Latin Prose Composition, page 166, or forty-four exercises in Arnold's.

2. *Greek*.—Grammar, (Hadley preferred, with White Lessons,) Three books of Xenophon's *Anabasis*, Book I, and Greek Composition.

3. *Mathematics*.—Algebra to Quadratics, Plane Geometry, or the whole of Evans'.

4. *History*.—An outline of Roman History to the fall of the Republic, and of Grecian History from the first Persian war through the Alexandrian period, with a corresponding amount of Ancient Geography.

B. *Latin and German Course.*

For this course the requirements are the same as above, with the substitution of equivalent *German* for *Greek*.

## II. SCIENTIFIC COURSES.

1. *Mathematics*.—Algebra to Quadratics, Plane Geom.
2. *Natural Science*.—Physical Geography, and the elements of Natural Philosophy.
3. *History*.—Same as in classical courses.

## C. COURSES IN AGRICULTURE, MECHANICS, AND MILITARY AND SPECIAL SCIENCE.

The qualifications for entering upon these courses are the same as those required for the scientific course.

Partial EQUIVALENTS for any of the foregoing requirements may be accepted.

## THE PREPARATORY DEPARTMENT.

The Department being that designated by the statute as the "Department of Elementary Instruction," has been conducted in cooperation upon the same plan and with the same kind of studies, substantially, as heretofore. The instruction is given by the University Faculty. Although the Department is intended for the benefit of students preparing for the University courses proper, the *Faculty* stand ready to receive others who may be prepared to enter and to attend with the classes as long as there is room.

## REQUISITES FOR ADMISSION.

Applicants for admission will be carefully examined in Reading, Writing and Spelling, in Practical Arithmetic, In-termediate Grammar and Local Geography. The studies of the Department will embrace the branches requisite for admission to the University courses.

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## ATTENDANCE.

The following table shows the attendance and classification of this department for the present term to date:

	Young Gentlemen.	Young Ladies.
Latin and Greek course	19	1
Latin and German course	16	12
Scientific and agricultural courses	30	16
Scientific and Latin course	14	5
Scientific and German course	15	20
Unclassified	3	3
	97	57

Total attendance 154.

## RELATION OF UNIVERSITY TO PUBLIC SCHOOL SYSTEM

How long it will be necessary to devote University funds to the maintenance of this department, repeatedly announced as a temporary one, cannot be foretold, but it is clear that it cannot be dispensed with until other institutions, whether public high schools or private academies, are in condition to do the work of preparing students for the University. We desire here to suggest, as a matter eminently worthy of consideration, whether some legislation ought not presently to be had which shall enable the high schools of the State to provide courses properly preparatory to those of the University. Our system of public instruction will not be organized whole until the "secondary schools" are graded not merely with reference to the primary schools below, but to the University above. This can be done not only without detriment, but with advantage to that great class of students who will choose to content themselves with academic education only. Let this be done and the influence of the University will be felt not only in the high schools, but throughout them in every primary school in the State. The present policy, reacting, will stimulate the University to more energetic and more thorough work.

It remains to add some items of general interest which may apply to all the departments.

Recapitulation of attendance for the year ending December 31, 1869.

FRESHMAN CLASS.

In the Classical Course, - - - - -	Gentlemen,	5
" Scientific " - - - - -	"	9
		<hr/>
		14

PREPARATORY DEPARTMENT.

In the Latin and Greek Course, - - - - -	Gentlemen,	Ladies,	
" Latin and German Course, - - - - -	20	1	
" Scientific and Agricultural Course, - - - - -	20	13	
" Scientific and Latin Course, - - - - -	56	24	
" Scientific and German Course, - - - - -	31	24	
Not classified - - - - -	16	5	
	3	3	
	<hr/>	<hr/>	
Gentlemen, - - - - -	146	70	
Ladies, - - - - -	160		
	70		
	<hr/>	<hr/>	
Grand Total, - - - - -	230		

EXAMINATIONS.

Seventeen applicants have been rejected, most of them for want of skill in reading, writing and spelling. Inasmuch as the Faculty cannot undertake to instruct in these elementary branches, the Faculty will continue to assure themselves, by oral examinations, of the qualifications of applicants in these respects. If the primary schools do nothing else they should teach them these indispensable things, thoroughly. In speaking of examinations, I think myself at liberty to say that those of the University, whether for entrance or graduation, shall not become at any time a farce, but that they should, without being unnecessarily severe, be strict and equitable. In order to this the system of written examinations should be used when practicable.

MARKING SYSTEM.

It has been decided by the Faculty to retain the marking system, not to be used directly as a motive for diligence and industry, but rather as a convenient means of information to the government of the institution.



## RELIGIOUS EXERCISES.

The University does not undertake to give religious instruction as such. At the morning roll call a hymn or ecclesiastical choral is sung by a volunteer choir, a lesson read from the English Bible without comment, and a short prayer said. All students are required to be present. All other religious exercises are private and voluntary.

## BUILDINGS.

Every effort will be made to get through the year with such accommodations as are now provided, but the necessity of enlargement and re-arrangement is already apparent. Additional sittings, blackboards, and recitation rooms have already been called for.

## LIBRARY.

The condition of the library has not materially changed since the last report. The following additions have been reported to me:

There have been presented to the Library of the University, by the Minnesota Historical Society, through its Secretary, Mr. J. Fletcher Williams, the following works:

Discoveries among the Ruins of Nineveh and Babylon; History of the Origin of the Mexican War; Callista; Cyclopedia of Universal Geography; Lectures on the Progress of Arts and Sciences, resulting from the Great Exhibition of London; Rivero and von Tschudi's Peruvian Antiquities; Neilson's Greek Exercises; Wilson's Hebrew Grammar; Davidson's Virgil, vol. 2; Murphy's Dialogues of Lucretius; Annual Reports of School Committee of City of Boston from 1857 to 1865 inclusive, 8 vols.; Industry of Massachusetts, for 1865; Census of Massachusetts, for 1865; Annual Reports of Board of State Charities of Massachusetts, for 1867-8, 2 vols.; Annual Reports of State Board of Education of Massachusetts, 8 vols.; Magnetic and Meteorological Observations made at Girard College, 1845, 3 vols.; Documentary History of New York, 1848; Transactions of Wisconsin State Agricultural Society, 8 vols.; Eighth Census of the United States, 1860; Explorations and Surveys for a Railroad from the Mississippi River to the Pacific Ocean, vols. 6, 7 and 12; and, in addition to these, some thirty other volumes, being mostly and college text books.

Mr. Wm. H. H. Taylor has presented volumes 1, 2, 3, 4, 5, 9 and 10 of "Explorations and Surveys for a Railroad from the Mississippi River to the Pacific Ocean," and Mr. Richard Chute, of St. Anthony, has completed the set by presenting the eleventh volume.

Mr. W. H. H. Taylor has also presented "Major Emory's Report on the United States and Mexican Boundary Survey," p. 11.

Mr. J. Hill, of St. Paul, has presented "Physical Geology and Geography of Great Britain, by A. C. Ramsey, F. R. S."

Mr. S. Ventres, of Chicago, has presented "Alden's Science of Government."

At the request of the Executive Committee of the Board of Regents, the Faculty have with much care prepared a list of books, such, as in their opinion, ought to be purchased with the funds, twenty-five hundred dollars, already appropriated for that purpose. They are almost exclusively works of practical necessity for the departments now represented in the Faculty.

The first great interest of the University is, of course, instruction. Next to that comes the Library, and it is hoped that the Board of Regents may have means at their command in some measure adequate to the object, and commensurate with their liberality.

#### APPARATUS.

The Professor of Chemistry, who is also instructing in the Natural Sciences generally, has been furnished with a small amount of apparatus, which, though far from being equal to the present needs, will answer the present demands.

#### THE AGRICULTURAL DEPARTMENT OR COLLEGE.

As I can claim no share in what has been done in this department as very properly speak of the progress made in it as very commendable. It has been, and is now, in the immediate charge of a committee of the Board of Regents, with whom the Professor of Chemistry has been associated. The farm of 143 acres, lying about one mile from the University, which had been previously acquired, and during the past season, enclosed with a substantial fence, and twenty-five acres were broken. This farm happily presents a considerable variety of soil and exposure, a feature of great importance from an educational point of view. I

am informed that it is the intention of the Board of Regents to fill the Professorship of Agriculture\* within a short time, in such a manner as will not only assure the success of the department, but will give great satisfaction to the agriculturists of the state.

It appears to me that we have been more successful here than in some other states, in grasping the full meaning and intent of the trust instituted by the act of Congress granting lands for agricultural colleges, which act sets forth the grant as made IN ORDER to promote the *liberal and practical* education of the industrial classes. Very wisely, and with a surprisingly clear perception of the real wants of those classes, Congress placed the *liberal*, not mere *practical* side of, but before the practical training. Mere manual dexterity and technical cleverness, are not the first wants of American farmers and artisans. What they need, and what they demand, is liberal scientific training in the principles which govern and condition their work. Workers do not now demand of schools to teach apprentices to handle and strike, but the chemistry of metals, and the principles of mechanics. Dairy men can already milk and feed, but they want to know about the mysterious chemistry which converts grains and grasses into milk, and that and its ultimate products—butter and cheese. The farmer already hold the plow; what he wants the school to teach is the principles which govern the construction of all his implements, so that he may choose the best, and use them most economically. Recognizing then the liberal education of our industrial classes, as not merely first in the *prescribed* order, but in the natural one, the Regents of the University have been laying foundations accordingly. In the event, I am certain, will satisfy all concerned of the wisdom of their action.

#### MILITARY INSTRUCTION.

The Professor of Military Science has organized the freshmen men into a battalion of two companies A and B, with twelve sergeants appointed from the freshmen class and has begun their practical instruction. Arms and accoutrements have been promptly furnished upon the Professor's requisition.

As no drill hall has been provided the instruction has unavoidably, been suspended since the setting in of winter.

\*Since this report was sent to the printer the Board of Regents has appointed Robert O. Robertson, to this Professorship, and his name has accordingly been inserted in the Faculty.

On the recommendation of Major General Johnson a neat uniform of gray cloth, of home manufacture, with scarlet trimmings, and the state button, has been adopted. Its cost, cap and cap ornaments included, need not exceed \$24. Further action of the Board of Regents will be needed before this department can be fully organized.

## EXPENSES.

A few young men are accommodated with furnished rooms in the University building at a charge of \$3 a term per week. Beyond this the University is not now charged with the maintenance of students. They are left to procure such accommodations in and around the cities of St. Anthony and Minneapolis as they find agreeable and convenient. Many young men board themselves. A few, to whom we are able to give employment about the University building, are earning a large part of their living. It is hoped that at the opening of the spring session it will be possible to furnish employment to a considerable number of young men upon the University campus and farm. Every effort will be made to assist those students who are working their way. Good board, in respectable families, costs now \$4 per week. Education is free, and there are, as yet, no charges for incidentals.

## CALENDAR.

The calendar for the current academic year is the following:

First Term begins	-	-	Sept. 15th, 1869
First Term ends	-	-	Dec. 22d, 1869
Second Term begins	-	-	Jan. 5th, 1870
Second Term ends	-	-	March 30th, 1870
Third Term begins	-	-	April 6th, 1870
Third Term ends	-	-	June 22d, 1870

## CONCLUSION.

The University of Minnesota may now at length be announced as on foot, prepared to give full academic and college instruction. It is intended that there shall be no barrier for any student to go beyond the boundaries of our State for such instruction. In due time the professional and normal schools will be organized. We need only the assistance and the support of the people, under Divine

guidance, to build up here an institution which shall be an untold blessing to all coming generations. I have the great pleasure of testifying to the zeal, and cordial co-operation of all my colleagues, in the duties of instruction and government.

WILLIAM W. FOLWELL.

Dec. 1, 1869.

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REPORTS  
OF  
COUNTY SUPERINTENDENTS.

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