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THE UNIVERSITY OF MINNESOTA.

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THE

CALENDAR

FOR THE YEAR

1874-5.

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MINNESOTA  
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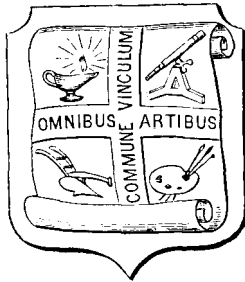
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THE  
UNIVERSITY OF MINNESOTA.

THE  
CALENDAR

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BY THE UNIVERSITY

THE ANNUAL CALENDAR published by authority of the Board of Regents, is a record of the condition and membership of the University for the given year, and contains also the necessary announcements for the University year following. The present issue, being the first, contains, in addition to the membership for the year, the names of all officers and students who have at any time been connected with the institution. The publication having been unavoidably delayed, a portion of the Almanac and Calendar is omitted.

TO VISITORS  
ATTENDING  
YEARLY

JOHNSON & SMITH, PRINTERS,  
MINNEAPOLIS, MINN.

# ALMANAC AND CALENDAR.

## APRIL, 1875.

- |   |                   |                         |
|---|-------------------|-------------------------|
| 1 Thursday,                                 | 16 Friday,        |                         |
| 2 Friday.                                   | 17 Saturday.      |                         |
| 3 Saturday.                                 | 18 <b>Sunday,</b> |                         |
| 4 <b>Sunday,</b>                            | 19 Monday,        |                         |
| 5 Monday,                                   | 20 Tuesday,       | Battalion Drills begin. |
| 6 Tuesday, <b>THIRD TERM BEGINS. Gen-</b>   | 21 Wednesday,     | General Faculty meet.   |
| 7 Wednesday, [eral Faculty meet 9 A. M.     | 22 Thursday,      |                         |
| 8 Thursday,                                 | 23 Friday,        |                         |
| 9 Friday,                                   | 24 Saturday.      |                         |
| 10 Saturday.                                | 25 <b>Sunday,</b> |                         |
| 11 <b>Sunday,</b>                           | 26 Monday,        |                         |
| 12 Monday, Literary Societies meet.         | 27 Tuesday,       |                         |
| 13 Tuesday, [Arts meet.                     | 28 Wednesday,     |                         |
| 14 Wednesday, Faculty of Sci. Lit. and      | 29 Thursday,      |                         |
| 15 Thursday, Faculty of Mechanic Arts meet. | 30 Friday.        |                         |

## MAY, 1875.

- |                                      |                                     |  |
|--------------------------------------|-------------------------------------|--|
| 1 Saturday.                          | 17 Monday,                          |  |
| 2 <b>Sunday,</b>                     | 18 Tuesday,                         |  |
| 3 Monday,                            | 19 Wednesday, General Faculty meet. |  |
| 4 Tuesday,                           | 20 Thursday,                        |  |
| 5 Wednesday, General Faculty meet.   | 21 Friday,                          |  |
| 6 Thursday,                          | 22 Saturday.                        |  |
| 7 Friday, } Special Examinations,    | 23 <b>Sunday,</b>                   |  |
| 8 Saturday, } Collegiate Department. | 24 Monday,                          |  |
| 9 <b>Sunday,</b>                     | 25 Tuesday,                         |  |
| 10 Monday,                           | 26 Wednesday,                       |  |
| 11 Tuesday,                          | 27 Thursday,                        |  |
| 12 Wednesday,                        | 28 Friday,                          |  |
| 13 Thursday,                         | 29 Saturday.                        |  |
| 14 Friday,                           | 30 <b>Sunday,</b>                   |  |
| 15 Saturday.                         | 31 Monday.                          |  |
| 16 <b>Sunday,</b>                    |                                     |  |

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## JUNE, 1875.

1 Tuesday,		16 Wednesday, General Faculty meet.
2 Wednesday,	General Faculty meet.	17 Thursday, Faculty of Mechanic Arts meet.
3 Thursday,		18 Friday,
4 Friday,	} Special Examinations, } Collegiate Department.	19 Saturday. General Examinations
5 Saturday,		20 <b>Sunday,</b> [begin.
6 <b>Sunday.</b>		21 Monday,
7 Monday,		22 Tuesday, Examinations continue.
8 Tuesday,		23 Wednesday, Examinations close.
9 Wednesday,		24 Thursday, THE COMMENCEMENT.
10 Thursday,		25 Friday, The Vacation begins and
11 Friday,		26 Saturday. [continues till Sept. 21.
12 Saturday.		27 <b>Sunday,</b>
13 <b>Sunday.</b>		28 Monday,
14 Monday,		29 Tuesday,
15 Tuesday.		30 Wednesday.

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*July and August omitted.*

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## SEPTEMBER, 1875.

1 Wednesday,		16 Thursday,
2 Thursday,		17 Friday,
3 Friday,		18 Saturday.
4 Saturday.		19 <b>Sunday,</b>
5 <b>Sunday,</b>		20 Monday, [meet 9 a. m.
6 Monday,		21 Tuesday, Year 1875 '6 begins. Gen. Faculty
7 Tuesday,		22 Wednesday, Entrance Examinations begin.
8 Wednesday,		23 Thursday, Ent. Examinations continue.
9 Thursday,		24 Friday, Examinations for Advanced Rank.
10 Friday,		25 Saturday. Recitations begin.
11 Saturday.		26 <b>Sunday,</b>
12 <b>Sunday,</b>		27 Monday, Literary Societies meet.
13 Monday,		28 Tuesday, Faculty, Coll. of Agr. meet.
14 Tuesday,		29 Wednesday, Fac. Sci. Lit. and Arts meet.
15 Wednesday,		30 Thursday. Faculty, Mechanic Arts meet.

OCTOBER, 1875.

- |   |  |                                       |
|---|--|---------------------------------------|
| 1 Friday,                               |  | 17 <b>Sunday</b> ,                    |
| 2 Saturday.                             |  | 18 Monday,                            |
| 3 <b>Sunday</b> ,                       |  | 19 Tuesday,                           |
| 4 Monday,                               |  | 20 Wednesday, General Faculty meet.   |
| 5 Tuesday, Military Exercises begin.    |  | 21 Thursday,                          |
| 6 Wednesday, General Faculty meet.      |  | 22 Friday,                            |
| 7 Thursday,                             |  | 23 Saturday.                          |
| 8 Friday,                               |  | 24 <b>Sunday</b> ,                    |
| 9 Saturday.                             |  | 25 Monday,                            |
| 10 <b>Sunday</b> ,                      |  | 26 Tuesday,                           |
| 11 Monday,                              |  | 27 Wednesday,                         |
| 12 Tuesday,                             |  | 28 Thursday,                          |
| 13 Wednesday, State Constitution adopt- |  | 29 Friday, } Special Examinations,    |
| 14 Thursday, [ed, 1857.                 |  | 30 Saturday, } Collegiate Department. |
| 15 Friday,                              |  | 31 <b>Sunday</b> ,                    |
| 16 Saturday.                            |  |                                       |
- 

NOVEMBER, 1875.

- |                                    |  |   |
|------------------------------------|--|---|
| 1 Monday,                          |  | 16 Tuesday,                             |
| 2 Tuesday,                         |  | 17 Wednesday, General Faculty meet.     |
| 3 Wednesday, General Faculty meet. |  | 18 Thursday,                            |
| 4 Thursday,                        |  | 19 Friday,                              |
| 5 Friday,                          |  | 20 Saturday.                            |
| 6 Saturday.                        |  | 21 <b>Sunday</b> ,                      |
| 7 <b>Sunday</b> ,                  |  | 22 Monday,                              |
| 8 Monday,                          |  | 23 Tuesday,                             |
| 9 Tuesday,                         |  | 24 Wednesday,                           |
| 10 Wednesday,                      |  | 25 Thursday, National Thanksgiving-Day. |
| 11 Thursday,                       |  | 26 Friday, } Special Examinations,      |
| 12 Friday,                         |  | 27 Saturday. } Collegiate Department.   |
| 13 Saturday.                       |  | 28 <b>Sunday</b> ,                      |
| 14 <b>Sunday</b> ,                 |  | 29 Monday,                              |
| 15 Monday,                         |  | 30 Tuesday.                             |

**DECEMBER, 1875.**

1 Wednesday,	General Faculty meet.	17 Friday,	
2 Thursday,		18 Saturday,	General Examinations begin.
3 Friday,		19 Sunday,	
4 Saturday,		20 Monday,	
5 Sunday,		21 Tuesday,	Examinations continue.
6 Monday,		22 Wednesday,	Examinations close.
7 Tuesday,		23 Thursday,	First Term closes. General
8 Wednesday,		24 Friday,	[Faculty meet 2:30 p. m. Recess
9 Thursday,		25 Saturday,	[till January 4, 1876.
10 Friday,		26 Sunday,	
11 Saturday,		27 Monday,	
12 Sunday,		28 Tuesday,	
13 Monday,		29 Wednesday,	
14 Tuesday,	ANNUAL MEETING of Board	30 Thursday,	
15 Wednesday,	[of Regents.	31 Friday,	
16 Thursday,	Faculty of Mechanic Arts meet		

**JANUARY, 1876.**

1 Saturday,	New Year's Day.	17 Monday,	
2 Sunday,		18 Tuesday,	
3 Monday,		19 Wednesday,	General Faculty meet.
4 Tuesday,	SECOND TERM BEGINS. Gen.	20 Thursday,	
5 Wednesday,	[Faculty meet. at 9 A. M.	21 Friday,	
6 Thursday,		22 Saturday,	
7 Friday,		23 Sunday,	
8 Saturday,		24 Monday,	
9 Sunday,		25 Tuesday,	
10 Monday,	Literary Societies meet.	26 Wednesday,	
11 Tuesday,	Faculty, Coll. Agr. meet.	27 Thursday,	
12 Wednesday,	Fac Sci. Lit. and Arts meet.	28 Friday,	
13 Thursday,	Faculty Mechanic Arts meet.	29 Saturday,	
14 Friday,		30 Sunday,	
15 Saturday,		31 Monday,	
16 Sunday,			



**THE BOARD OF REGENTS.**

---

The Hon. HENRY H. SIBLEY, St. Paul, - - - 1876.

The Hon. CHARLES S. BRYANT, St. Peter, - - " "

The Hon. JOHN S. PILLSBURY, Minneapolis, - 1877

The Hon. PARIS GIBSON, M.A., Minneapolis, - " "

The Hon. MORRIS LAMPREY, M.A., St. Paul, - " "

The Hon. WILLIAM R. MARSHALL, St. Paul, - 1878.

The Hon. A. A. HARWOOD, Austin, - - - - " "

*AND EX OFFICIO,*

The Governor of the State,

The Hon. CUSHMAN K. DAVIS M.A., St. Paul.

The State Superintendent of Public Instruction,

The Rev. D. BURT, M.A., St. Paul.

The President of the University,

WILLIAM W. FOLWELL, M. A., Minneapolis.

## OFFICERS.

Hon. J. S. PILLSBURY, *President*.

Hon. PARIS GIBSON, *Recording Secretary and Treasurer*.

WILLIAM W. FOLWELL, *Corresponding Secretary*.

## STANDING COMMITTEES.

*Executive Committee*.—Regents PILLSBURY, GIBSON, and LAMPREY.

*Committee on Faculty and Courses of Study*.—Regents SIBLEY,  
MARSHALL, HARWOOD, BRYANT, and BURT.

*Committee on Agricultural College*.—Regents MARSHALL, HAR-  
WOOD, and BRYANT.

*Committee on Library*.—Regents GIBSON, BURT, and DAVIS.

*Auditing Committee*.—Regents SIBLEY, MARSHALL, and LAMPREY.

## MEETINGS.

The Annual Meeting takes place on the second Tuesday in December; other stated meetings occur on the Tuesday in the Spring Recess, and on Commencement Day.

**OFFICERS OF INSTRUCTION.**

---

WILLIAM W. FOLWELL, M.A., PRESIDENT,      *502 5th St. S. E.*  
Instructor in Political Economy and Librarian.

G. CAMPBELL, M.A., B.D., VICE PRESIDENT,      *1319 4th St. S. E.*  
Professor of Mental and Moral Philosophy.

VERSAL J. WALKER, M.A.,      *1003 6th St. S. E.*  
Professor of the Latin Language and Literature.

JABEZ BROOKS, M.A., D.D.,      *1706 Laurel Avenue, W. D.*  
Professor of the Greek Language and Literature.

EDWIN J. THOMPSON, M.A.,      *813 3d St. S. E.*  
Professor of Mathematics and Astronomy.

ELI I. HUGGINS, U. S. A.,      *902 3d St. S. E.*  
Professor of Military Science, and Instructor in French.

NEWTON H. WINCHELL, M.A., *State Geologist.*      *State St. E. D.*  
Professor of Geology and Mineralogy.

CHARLES N. HEWITT, M.D.,      *Red Wing.*  
Non-Resident Professor of Public Health.

MITCHELL D. RHAME, M.A., *1402 4th St. S. E.*  
Professor of Civil and Mechanical Engineering.

STEPHEN F. PECKHAM, M.A., *121 Pleasant St., E. D.*  
Professor of Chemistry and Physics.

JOHN G. MOORE, B.A., *814 5th St. S. E.*  
Professor of the German Language and Literature.

MOSES MARSTON, M.A., *702 3d St. S. E.*  
Professor of the English Language and Literature.

HELEN SUTHERLAND, M.A., *Preceptress. 719 3d St. S. E.,*  
Assistant Professor of Latin.

RICHARD W. LAING, LL.D., *1320 5th St. S. E.*  
Assistant Professor, in charge of History and Elocution.

CHARLES Y. LACY, B. Agr. *204 4th St. S. E.*  
Assistant Professor, in charge of Theory and Practice of Agriculture.

LOUIS W. PECK, *121 Pleasant St., E. D.*  
Instructor in Physics and Drawing.

#### OTHER OFFICERS.

WILLIAM T. SCOTT, *Farm Superintendent, 22 Prospect St., E. D.*

JOHN S. CLARKE, *First Assistant Librarian, Room 25.*

GRAHAM C. CAMPBELL, *Second Assistant Librarian, Room 25.*

ANDREW R. CASS, *Janitor, Room 26.*

FRED C. BOWMAN, *Carpenter, Room 41.*

MARSHALL F. HULET, *Fireman, Room 12.*

## FACULTIES OF THE UNIVERSITY.

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### THE GENERAL FACULTY.

The PRESIDENT; Professors CAMPBELL (*Secretary*), WALKER, BROOKS, THOMPSON, HUGGINS, WINCHELL, RHAME, PECKHAM, MOORE, MARSTON; Assistant Professors LAING, and LACY.

### THE SPECIAL FACULTIES.

#### *I. Of the College of Science, Literature, and the Arts :*

The PRESIDENT; Professors CAMPBELL, WALKER, BROOKS, THOMPSON, (*Secretary*), HUGGINS, WINCHELL, PECKHAM, MOORE, and MARSTON; Assistant Professor, LAING.

#### *II. Of the College of Mechanic Arts :*

The PRESIDENT; Professors THOMPSON, WINCHELL, RHAME, (*Secretary*), PECKHAM, MARSTON.

#### *III. Of the College of Agriculture :*

The PRESIDENT; Professors THOMPSON, HUGGINS, WINCHELL, RHAME, PECKHAM, MOORE, MARSTON; Assistant Professors LAING and LACY (*Secretary*).

**GRADUATES.**

## BACHELORS IN ARTS.

Warren Clarke Eustis,	Hennepin Co.	1873.
Henry Martyn Williamson,	Nicollet “	“
George Edwin Ricker.	Hennepin “	1874.
Andrew Russell Cass.	Canada.	1875.
Julius Elliott Miner,	Goodhue “	“
Simon Peter Starritt,	Wright “	“

## BACHELORS IN SCIENCE.

Edward Chatfield,	Fillmore Co.	1874.
Clark Stewart,	Hennepin “	1875.

## BACHELORS IN LITERATURE.

Helen Mar Ely.	Winona Co.	1875.
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## BACHELORS IN CIVIL ENGINEERING.

Henry Clay Leonard,	Fillmore Co.	1875.
Samuel Addison Rank.	“ “	“

**STUDENTS.****ALPHABETICAL ROLL, 1874-5.**

Henry Clay Aldrich,	Minneapolis, W. D.	Scientific, 3.
Enos Stevens Alexander,	Urbana, Ill.	Scientific, 2.
Walter Barrett,	Wasioja.	Scientific, 2.
Lyman Ruggles Barto,	Sauk Rapids.	Scientific, 2.
William Lincoln Bassett,	Minneapolis, W. D.	Scientific, Jun.
Francis Collins Berry,	“ E. D.	Scientific, 4.
Frederic Gerald Berry,	Brooklyn.	Scientific, 4.
Covert De Bevoise Bennett,	Waseca.	Scientific, 4.
Fred Capin Bowman,	Litchfield.	Scientific, 3.
Edward Jerome Boylston,	Pleasantville, Pa.	Scientific, 4.
William Proctor Brackett,	Minneapolis, W. D.	Scientific, 3.
Victoria Rutledge Bragdon,	Brooklyn.	Scientific, 4.
Alberta Amelia Brockway,	Minneapolis, E. D.	Scientific, 3.
David Denslow Brooks,	“ W. D.	Scientific, 3.
Adin Pease Brooks,	“ “	Classical, 4.
Charles Irwin Brown,	Mankato.	Scientific, Jun.
Julian Clarence Bryant,	St. Peter.	Classical, 2.
James Francis Bryant,	St. Peter.	Classical, 4.

George Edgar Bryant,	Elgin.	Scientific, 3.
Catherine Amelia Burnes,	Minnetonka.	Scientific, 3.
Diana Burnes,	Minnetonka.	Scientific, 3.
Wilhelm Busch,	Richfield.	Classical, 2.
Charles Spencer Bushnell,	Minneapolis, E. D.	Scientific, 2.
Frederick Ware Buswell,	Afton.	Scientific, 3.
Martha Appleton Butler,	Franklin, Mo.	Scientific, Jun.
Charles Morey Butts,	Plainview.	Scientific, 2.
Graham Cox Campbell,	Mid. Stewiacke, N.S.	Classical, 1.
Margaret Agnes Campbell,	“ “ “	Modern, 4.
Matilda Jane Campbell,	Machias, Me.	Modern, 1.
Andrew Russell Cass,	L'Original, Canada.	Classical, Sen.
Francis Asbury Chamberlain,	Red Wing.	Modern, 2.
William Eugene Chamberlain,	Minneapolis, E. D.	Scientific, 4.
Clara Belle Childs,	Prescott, Wis.	Special, 1.
Joel Nathaniel Childs,	Prescott, Wis.	Classical, 1.
Frederick Hoag Clarke,	Richfield.	Scientific, 3.
John Sinclair Clarke.	Rushford,	Classical, Jun.
Elizabeth Clough,	Austin.	Modern, 4.
Warren Eames Colburn,	Preston.	Modern, 4.
Adoniram Judson Cole,	Minneapolis, W. D.	Classical, 4.
Charles Cole,	Chatfield.	Modern, 3.
John Franklin Collom,	Minneapolis, W. D.	Scientific, 3.
Thomas H. B. Columbia,	Winona.	Classical, 3.
John James Colwell,	Newport.	Classical, 2.
Ellen Louise Coolbaugh,	Minneapolis, E. D.	Modern, 4.



*Students.*

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Ellen Cooney,	Afton.	Modern, 3,
Thomas Cooney,	“	Scientific, 4.
Charles Arthur Couillard,	Richfield.	Scientific, 2.
Fred Leslie Couillard.	“	Scientific, 2.
Alice Cowell,	Newport.	Modern, 3.
Robert Henry Crafts,	Minneapolis, W. D.	Scientific, Jun.
Ebenezer Currie,	Rushford,	Classical, 1.
William Andrew Currie,	“	Scientific, 4.
Elizabeth Dare,	Elk River.	Special, 1.
Raymond Harris Day,	Castle Rock.	Scientific, 3.
Benjamin Franklin Davis,	Glen Roy, Iowa.	Scientific, 4.
William Sanborn Dawley,	Lake City.	Scientific, 4.
Arthur Eastman,	Minneapolis, E. D.	Scientific, 3.
Helen Mar Ely,	Winona.	Modern, Sen.
Frank Eustis,	Saint Anthony.	Classical, 1.
Fred Eustis,	“ “	Classical, 1.
John Bradley Eustis,	“ “	Classical, 1.
John Hersey Fairfield,	Saco, Me.	Scientific, 4.
Fred Hascal Foster,	Minneapolis, W. D.	Classical, 2.
Owen Foster,	“ “	Scientific, 4.
Henry Wright Foster,	“ “	Scientific, 4.
William Foster,	“ “	Scientific, 4.
Viola Fuller,	“ E. D.	Modern, 2.
Pierce Power Furber,	Cottage Grove,	Civ. Eng. Jun.
Nettie Getchell,	Minneapolis, E. D.	Scientific, 2.

Caroline Frances Gilbert,	Afton,	Scientific, 2.
Lewis Singer Gillette,	Niles, Michigan.	Civ. Eng. Jun.
Henry Slade Goff,	Mankato.	Modern, 2.
Calvin Gibson Goodrich,	Minneapolis, W. D.	Scientific, 3.
Herbert Goodrich,	Minneapolis, Tp.	Scientific, 4.
Ole Granum,	Mount Vernon, Wis.	Scientific, 4.
Horace Burnham Greeley,	Perch Lake.	Scientific, 4.
Charles Greer,	Lake City.	Scientific, 3.
Frank Sessions Griswold,	Minneapolis, E. D.	Elm. Agr., 4.
James Groenendyke,	LaFayette, Ind.	Scientific, 4.
Claus Gunderson,	Alexandria.	Scientific, 4.
Francis Wayland Hall,	Cutchogue, L. I.	Scientific, 3.
Abbie White Hall,	Minneapolis, E. D.	Scientific, 2.
Florence Elizabeth Hall,	Hudson, Wis.	Scientific, 4.
Carrie Addie Hayes,	Minneapolis, E. D.	Scientific, 3.
Nellie Hayes,	“ “	Scientific, 3.
Eugene Alvin Hendrickson,	St. Paul.	Civ. Eng., Jun.
Albert Preston Hendrickson,	St. Paul.	Scientific, 1.
John Douglass Henry,	Dassel.	Scientific, 4.
Walter Scott Hern,	Minneapolis, E. D.	Scientific, 4.
Alma Florence Hewes,	“ “	Scientific, 4.
Lester Wilmot Hewes,	“ “	Scientific, 4.
John Wicks Heywood,	Sandusky, Ohio.	Special, 4.
Alvin Hildreth,	Sumner.	Modern, 3.
James Hinton,	Little Valley.	Scientific, 4.
Andrew Holt,	Carver.	Scientific, 4.

Joseph Elisha Horton,	Preston.	Modern, 4.
Thomas Prentiss Allen Howe,	Minneapolis, W. D.	Scientific, 2.
Judson Torrey Howell,	Chatfield,	Scientific, 2.
Moses Gilbert Hubbard,	Minneapolis, W. D.	Scientific, 4.
Seymour Isaac Hudgins,	Grand Forks. D. T.	Classical, 3.
William Franklin Hurlbut,	Dayton.	Scientific, 2.
Daniel Leonard Husher,	Minneapolis, W. D.	Special, 2.
John Corrin Hutchinson,	Hastings.	Classical, Jun.
George Taylor Huy,	Minneapolis, W. D.	Classical, 4.
Marshall Fletcher Hulet,	“	Special, 3.
Ella Frances Hyde,	Mazeppa.	Scientific, 3.
Edward Stowell Hyde,	“	Scientific, Jun.
Judson De Forest Irwin,	Richfield.	Scientific, 1.
James Edwin Jackman,	Stillwater.	Scientific, 4.
Andrew Lambert Jackson,	Aurora, Ill.	Scientific, 4.
John Frederick Johnson,	Minneapolis, E. D.	Scientific, 3.
Mary Estelle Johnson,	“ “	Special, 3.
Samuel Paige Johnson,	“ “	Scientific, 3.
Everett Carpenter Johnson,	St. Charles.	Special, 4.
Fanny Ada Knox,	Spring Valley.	Classical, 4.
John Charles Kassube,	Minneapolis, E. D.	Scientific, 1.
John Washington Keating,	“ W. D.	Scientific, 4.
Eleanor Kelly,	Henderson.	Scientific, 4.
Ida Wilhelmina Maria Knaak,	Waterville.	Scientific, 4.
Minna Elinora Knaak.	“	Scientific, 4.
William Winchester Keysor,	Mankato.	Modern, 3.

Elizabeth Amelia Kirkwood,	Crystal Lake.	Modern, 2.
Nils Kolkin,	Willmar.	Classical, 3.
John Henry Laramy,	Cottage Grove.	Scientific, 4.
Joseph Yendall Laramy,	“ “	Scientific, 4.
Bessie Sumner Lawrence,	Minneapolis, E. D.	Modern, 4.
Horace Ward Le Blonde,	Brownsville.	Modern, 2.
Henry Clay Leonard,	Washington.	Civ. Eng., Sen.
William Edwin Leonard,	Minneapolis, W. D.	Classical, Jun.
John Hamilton Lewis,	Monticello.	Classical, 3.
Laura Albert Linton,	Cook's Valley.	Modern, 3.
William Herod Locke,	Minnetonka.	Scientific, Jun.
Samuel Allen Locke,	“	Scientific, 4.
Albert David Locke,	“	Scientific, 4.
Albert Carpenter Loring,	Minneapolis.	Scientific, 4.
Charles Frederick McComb,	Stillwater.	Scientific, 3.
Alfred Grieece McCord,	Monticello.	Classical, 3.
Frank Smith McKean,	Lakeland.	Classical, 3.
Dugald Archey McLarty,	St. Thomas, Ont.	Scientific, 2.
Duncan McLellan,	Alexandria.	Scientific, 2.
Anna McLeod,	Minneapolis, E. D.	Scientific, 4.
George McMurphy,	Prescott, Wis.	Scientific, 3.
Peter McNulty,	Elliota.	Classical, 4.
Mary Anna Maes,	Minneapolis, E. D.	Special, 2.
Stephen Mahoney,	Belle Plaine.	Classical, 1.
Augusta Fannie Mansfield,	Minneapolis, E. D.	Scientific, 4.
Edgar Watrous Markell,	Duluth.	Scientific, 3.

*Students.*

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Luke Arthur Marvin,	Duluth.	Scientific, 2.
Samuel Johnson Mealey,	Monticello.	Scientific, 3.
Julius Elliott Miner,	Pine Island.	Classical, Sen.
Patrick Eugene Nagle.	Meeme, Wis.	Scientific, 3.
Ida Neher,	Wurtemberg, Ger.	Scientific, 4.
Thomas Rogers Newton,	Osseo.	Classical, 2.
Isabell Alice Newton,	“	Scientific, 3.
Robert Peter Andrew Nix,	New Ulm.	Scientific, Jun.
Nelson Paul Olson,	Litchfield.	Scientific, 4.
Lyman Ressegine Palmer,	Minneapolis, W. D.	Classical, 4.
Walter Stone Pardee,	“ E. D.	Arch't., Jun.
Augusta Wymond Parke,	Leech Lake.	Modern, 4.
Clara Elizabeth Parker,	Minneapolis, Tp.	Modern, 1.
George Henry Partridge,	Winona.	Scientific, 3.
Louise Emily Perkins,	Minneapolis, E. D.	Modern, 2.
John Waldo Perkins,	Monticello.	Classical, 1.
Helen Winifred Perley,	Carlisle, Iowa.	Modern, 4.
Edward Peterson,	Litchfield.	Scientific, 4.
Mary Ambrosia Pierson,	Owatonna.	Modern, 3.
George Francis Piper,	Garden City.	Scientific, 3.
Henry Tomlinson Plant,	Minneapolis, W. D.	Classical, 4.
Byron Preston,	Postville, Iowa.	Scientific, 3.
Edwin Burnam Pribble,	Osseo.	Scientific, Jun.
Evan Rowland Pritchard,	Judson.	Classical, 2.
William Putnam,	Minneapolis, W. D.	Scientific, 3.
James Almond Quinn,	Saint Paul.	Scientific, 1.

Rufus Randall Rand,	Minneapolis, W. D.	Scientific, 3.
Samuel Addison Rank,	Dover Center.	Civ. Eng., Sen.
John Henry Reppy,	Rushford.	Scientific, 2.
Flora Mattie Rich,	Minneapolis, E. D.	Scientific, 2.
Charles Henry Rickert,	Rochester.	Classical, 1.
Martha Anna Riheldaffer,	Saint Paul.	Special, 4.
Mary Minnesota Roberts,	Wabashaw.	Special, 4.
Mary Warwick Robinson,	Minneapolis, W. D.	Scientific, 2.
Alva Lucius Roe,	Afton.	Scientific, 4.
Marion Hooker Roe,	“	Scientific, 2.
Charlotte Adelaide Rollit,	Minneapolis, E. D.	Modern, 1.
Caroline Rollit,	“ “	Modern, 3.
Dickinson Logan Rose,	Belle Plaine.	Scientific, 2.
Edward Emmore Salls,	Minneapolis, E. D.	Classical, 4.
Minnie Savage,	“ “	Scientific, 4.
Charles William Savidge,	Cleveland.	Classical, 1.
Walter Haviland Scott,	Minneapolis Tp.	Elm. Agr., 4.
Caroline Eastman Secombe,	“ E. D.	Modern, 1.
Peter Felix Shillock,	“ “	Classical, 4.
Mary Elizabeth Shoppe,	“ “	Scientific, 3.
Edward Sears Smith,	Duluth.	Scientific, 4.
Fred Alvyn Smith,	Minneapolis, E. D.	Scientific, 4.
George Murray Smith,	Caledonia.	Special, 4.
Harvey Jay Smith,	Minneapolis, E. D.	Scientific, 1.
Mary Abbie Stanchfield,	Nora, Illinois.	Scientific, 4.
Simon Peter Starritt,	Monticello.	Classical, Sen.

Emmore Eugene Sterling,	Elysian.	Scientific, 4.
Clark Stewart,	Minneapolis, E. D.	Scientific, Sen.
Katie Stoneman,	“ “	Scientific, 4.
John Aiken Sweat,	Brownfield, Me.	Classical, Jun.
Myron Devere Taylor,	Long Hill.	Scientific, 2.
William Leonard Taylor,	Danville, Ill.	Special, 4.
Burdett Thayer,	Spring Valley.	Modern, 3.
Charles Edward Thayer,	Minneapolis, E. D.	Civ. Eng., Sen
Henry Woodbridge Thayer,	“ “	Classical, 3.
Marcus Dow Thayer,	“ “	Classical, 1.
Alfred Lenore Thomas,	“ “	Modern. 4.
Edward Robert Thompson,	Newburg, N. Y.	Scientific, 3.
Ellen Rebecca Thompson,	Pilot Mound.	Scientific, 4.
George Burt Thompson,	Minneapolis, E. D.	Classical, 3.
Lillian Sanborn Todd,	“ W. D.	Scientific, 4.
Eva Town,	Owatonna.	Scientific, 3.
Wilber Lewis Trumble,	Minneapolis, E. D.	Scientific, 4.
Edward Francis Upton,	Battle Creek, Mich.	Scientific, 4.
William Amos Upton,	Minneapolis, E. D.	Scientific, 4.
Effie Inez Valentine,	Rushford.	Scientific, 4.
Thomas Talbot Vincent,	Farmington.	Scientific, 4.
Clarence Tully Ward,	Waseca.	Classical, 2.
William John Warren,	Medford.	Scientific, 2.
Alphonso Rudolph Walker,	Burr Oak, Iowa.	Modern, 4.
Clarence Wedge,	Albert Lea.	Scientific, 2.

Albert McClure Welles,	Farmington,	Classical, 1.
Mattie Isabell West,	Minneapolis, E. D.	Scientific, 3.
Willis Mason West,	Saint Cloud.	Classical, 2.
Mary Buckley Whitney,	Minneapolis. E. D.	Special, 3.
Lucy Louisa Whittier,	“ “	Scientific, 4.
Helen Josephine Wilcox,	Plainview.	Modern, 2.
Minnie Ethlyn Wilcox,	“	Modern, 2.
Herbert Milo Wilcox,	Greenwich, N. Y.	Special, 4.
Edward Willes,	Saint Paul.	Classical, 2.
Daniel Williams,	Glen Roy, Iowa.	Classical, 2.
William Wadsworth Williams,	“ “	Classical, 4.
George Alfred Wood,	Elliot.	Scientific, 2.
Howell Winthrop Young,	Minneapolis, E. D.	Scientific, 2.

## SUMMARY.

COLLEGE OR DEPARTMENT.	CLASS.	GENTLEMEN.	LADIES.	TOTAL.
Science, Literature and the Arts,	{ Seniors,	4	1	5
	{ Juniors,	11	1	12
Mechanic Arts.	{ Seniors,	3		3
	{ Juniors,	4		4
Agriculture, Elementary Course,		2		2
	{ First,	17	3	20
Collegiate Department,	Second,	29	10	39
	Third,	42	10	52
	Fourth,	68	18	86
	Special,	8	6	14
Totals, . . . . .		188	49	237

## OR BY CLASSES ONLY,

Seniors,—of all Departments, . . . . .	8
Juniors,—“ “ “ “ . . . . .	16
Sophomores,—First Class, Collegiate Department, . . . . .	20
Freshmen,—Second “ “ “ “ . . . . .	39-83
Preparatory, { Third “ “ “ . . . . .	52
Preparatory, { Fourth “ “ “ . . . . .	86
Special,—14; Agricultural, 2, . . . . .	16
Total, . . . . .	237



## THE UNIVERSITY.

### HISTORICAL.

In the act erecting the Territory of Minnesota, approved March 9th, 1849, the Congress of the United States granted two sections of public lands for the endowment of a University.

The Territorial Legislature of 1851, on the thirteenth day of February, passed an act providing for the establishment of "an institution under the name and style of THE UNIVERSITY OF MINNESOTA," and for its location "at or near the Falls of Saint Anthony."

The State Constitution, adopted by the people on the thirteenth day of October, 1857, confirmed the previous action, as follows:

"THE LOCATION OF THE UNIVERSITY OF MINNESOTA AS ESTABLISHED BY EXISTING LAWS, IS HEREBY CONFIRMED, AND SAID INSTITUTION IS HEREBY DECLARED TO BE THE UNIVERSITY OF THE STATE OF MINNESOTA. ALL THE RIGHTS, IMMUNITIES, FRANCHISES AND ENDOWMENTS HERETOFORE GRANTED OR CONFERRED, ARE HEREBY PERPETUATED UNTO THE SAID UNIVERSITY; AND ALL LANDS WHICH MAY BE GRANTED HEREAFTER BY CONGRESS, OR OTHER DONATIONS FOR SAID UNIVERSITY PURPOSES, SHALL VEST IN THE INSTITUTION REFERRED TO IN THIS SECTION."—*Article VIII., Sec. 4, p. 37 of the General Statutes of Minnesota, 1869.*

An effort was at once made to organize and open the institution. A plan of a building was adopted, and a portion of it erected. The financial revulsion of 1857-8, followed closely by the War of the Rebellion, checked the progress of the enterprise, and left the institution heavily encumbered.

In 1864 the Legislature appointed a special commission, composed of Hon. J. S. Pillsbury, Hon. John Nicols, Hon. O. C. Merriman, to liquidate the accumulated indebtedness, by selling a portion of the public lands. About fourteen thousand acres were thus disposed of, and all debts and obligations were discharged.

The University dates its present and actual organization from the law of the State approved February 8th, 1868, entitled "An Act to Re-organize the University of Minnesota, and to establish an Agricultural College therein." This act, as modified in some details by an act approved March 4th, 1872, reads as follows:

#### CHAPTER I. GENERAL LAWS 1868.

AN ACT to re-organize and provide for the Government and Regulation of the University of Minnesota, and to establish an Agricultural College therein.

As amended by Chapter X. of the General Laws of 1872 :

AN ACT to amend Chapter one of the Session Laws of 1868, relating to the University of Minnesota.

- Object. SECTION 1. The object of the University of Minnesota, established by the Constitution at or near the Falls of St. Anthony, shall be to provide the means of acquiring a thorough knowledge of the various branches of literature, science and the arts, and such branches of learning as are related to Agriculture and the Mechanic Arts, including military tactics and other scientific and classical studies.
- Colleges. SECTION 2. There shall be established in the University of Minnesota, five or more colleges or departments, that is to say, a College of Science, Literature and the Arts, a College of Agriculture, including "military tactics," a College of the Mechanic Arts, a College or Department of Law, and also a College or Department of Medicine. The department of Elementary Instruction may be dispensed with at such rate and in such wise as may seem just and proper to the Board of Regents.
- Regents, how appointed. SECTION 3. The government of the University shall be vested in a board of ten regents, of which the Governor of the State, the State Superintendent of Public Instruction, and the President of the University shall be members *ex officio*, and the remaining seven members

thereof shall be appointed by the Governor, by and with the advice and consent of the Senate. Whenever a vacancy occurs therein, for any cause, the same shall be filled for the unexpired term in the same manner. Of the regents thus appointed, two shall be commissioned and hold their offices for one year, and two for two years, and three for three years. Their successors shall be appointed in like manner, and shall hold their office for the full term of three years from the first Wednesday of March succeeding their appointments, and until their successors are appointed and qualified. The president of the University shall have the same rights, powers and privileges as other members, except the right of voting, and he shall be, *ex officio*, the corresponding secretary of the board of regents.

SECTION 4. The regents of the University shall constitute a body corporate under the name and style of "The University of Minnesota;" and by that name may sue and be sued, contract and be contracted with, make and use a common seal and alter the same at pleasure; a majority of the voting members shall constitute a quorum for the transaction of business, and a less number may adjourn from time to time.

Incorporation.

SECTION 5. The board of regents shall elect from the members of the board, a president of the board, [a] recording secretary and [a] treasurer, who shall hold their respective offices during the pleasure of the board. And the president and treasurer each before entering upon the duties of his office, shall execute a bond in the penal sum of fifty thousand dollars, with at least two sufficient sureties, to the State of Minnesota, to be approved by the Governor, conditioned for the faithful and honest performance of the duties of his office according to law, which bonds, when so approved, shall be filed in the office of the Secretary of State.

Officers of the Board.

Bonds.

SECTION 6. The board of regents shall have power, and it shall be their duty, to enact by laws for the government of the University of Minnesota in all its departments; to elect a President of the University, and, in their discretion, a Vice President, and the requisite number of professors, instructors, officers, and employes, and to fix their salaries, [and] also the term of office of each, and to determine the moral and educational qualifications of applicants for admission, and in the appointment of professors, instructors, and other officers, and assistants of the University, and in prescribing the studies and exercises thereof; and in all the management and government thereof, no partiality or preference shall be shown to one sect or religious denomination over another, nor shall any thing sectarian be taught therein. And the board of regents shall have power to regulate the courses of instruction, and [to] prescribe the books and authorities to be used, and also to confer such degrees and grant such diplomas as are usual, in their discretion. It shall be the duty of the recording secretary to record all the proceedings of the board, and carefully preserve all its books and papers; and before entering upon the duties of his office he shall take and subscribe an oath to perform his duties honestly and faithfully as such officer. It shall be the duty of the treasurer to keep an exact and faithful account of all moneys, bills receivable and evidence of indebtedness, and all securities and property received or paid out by him, and before entering upon his duties he shall take and subscribe an oath

Powers and duties of the Board.

Duties of officers.

that he will well and faithfully perform the duties of treasurer thereof. It shall be the duty of the president to preside at the meetings of the board; and in case of his inability to preside, the board may appoint a president *pro tempore*.

Income  
from grant  
of 1862 ap-  
propriated

SECTION 7. In addition to all the rights, immunities, franchises and endowments heretofore granted to or conferred upon the University of Minnesota, for the endowment, support and maintenance thereof, there shall be and is hereby inviolably appropriated and placed at the disposal of the board of regents thereof, to be drawn from the State treasury upon the order of the president, drawn upon the State Auditor, countersigned by the secretary of the board and payable to the order of the treasurer of the board, all the interest and income of the fund to be derived from the sales of all the lands granted and to be granted to the State of Minnesota by virtue of an act of Congress entitled "An act donating lands to the several States and territories which may provide colleges for the benefit of agriculture and the mechanic arts," approved July 2nd, 1862; and also all such gifts, grants and contributions to the endowment thereof as may be derived from any and all such sources.

Liquidation  
of old  
debts.

SECTION 8. And in order to effect a settlement of all remaining indebtedness of the University, all the powers and authorities given by Chapter 18 of the laws of 1864, entitled "An act relating to the University of Minnesota," and Chapter 11 of the laws of 1866, entitled "An act to amend an act relating to the University of Minnesota, approved March 4, 1864" to the regents therein mentioned, are hereby given to and conferred upon the board of regents of the University of Minnesota aforesaid; and the said acts are hereby continued and shall be in force until such outstanding indebtedness is fully liquidated.

Meetings.

SECTION 9. The first meeting of the board of regents under the provisions of this act, shall be holden at the University building on the first Wednesday in March, 1868, at which meeting the officers of the board shall be elected, and the annual meetings of the board shall be holden on the second Tuesday of December in each and every year thereafter.

Endow-  
ment of  
professor-  
ships.

SECTION 10. Any person or persons contributing a sum of not less than fifteen thousand dollars, shall have the privilege of endowing a professorship in the University, the name and object of which shall be designated by the board of regents.

Board to  
succeed  
to prop-  
erty.

SECTION 11. The said board of regents shall succeed to and have control of the books, records, building, and all other property of the University; and the present board of regents shall be dissolved immediately upon the organization of the board herein provided for; *Provided*, that all contracts made and at the time binding upon the board then dissolved, shall be assumed and discharged by their successors in office.

Experi-  
mental  
farm.

SECTION 12. It shall be the duty of the board of regents herein provided for, to make arrangements for securing suitable lands, pursuant to the act of Congress above mentioned, in the vicinity of the University, for an experimental farm; and as soon thereafter as may be to make such improvements thereon as will render the same available for experimental purposes in connection with the course in the agri-

cultural college; and for such purpose the board of regents is hereby authorized to expend a sum not exceeding the amount specified by the act of Congress aforesaid.

SECTION 13. On or before the second Tuesday of December in each and every year the board of regents, through their president, shall make a report to the Governor, showing in detail the progress and condition of the University during the previous University year, the wants of the institution in all its various departments—the nature, costs and results of all improvements, experiments and investigations—the number of professors and students—the amounts of money received and disbursed—and such other matters, including industrial and economical statistics, as they may deem important or useful. One copy of the said report shall be transmitted to each of the other colleges endowed under the provisions of the said act of Congress, and one copy to the Secretary of the Interior.

Annual Report.

SECTION 14. The president of the University shall be the president of the general faculty and of the special faculties of the several departments or colleges, and the executive head of the institution in all its departments. As such officer he shall have authority, subject to the board of regents, to give general direction to the practical affairs and scientific investigations of the University, and in the recess of the board of regents, to remove any employe or subordinate officer not a member of the faculty, and supply, for the time being, any vacancies thus created. He shall perform the customary duties of a corresponding secretary, and may be charged with the duties of one of the professorships. He shall make to the superintendent of public instruction, on or before the second Tuesday in December in each and every year, a report, showing in detail the progress and condition of the University during the previous University year—the number of professors and students in the several departments—and such other matters relating to the proper educational work of the institution as he shall deem useful. It shall also be the duty of the president of the University to make to the board of regents, on or before the second Tuesday in December in each and every year, a report, showing in detail the progress and condition of the University during the previous University year—the nature and results of all important experiments and investigations, and such other matters, including economical and industrial facts and statistics as he shall deem useful.

Duties of the President of University.

SECTION 15. Chapter eighty of the laws of eighteen hundred and sixty, chapter eighty-seven of the laws of eighteen hundred and sixty-two, and so much and such parts of any and all acts and laws whether general or special, as are inconsistent with the provisions of this act, are hereby repealed.

SECTION 16. This act shall take effect and be in force from and after its passage.

Approved February 18, 1868. Act to amend approved February 29, 1872.

The foregoing act may be said to constitute the CHARTER of the University. In pursuance of the eleventh section, the Special

Board of three Regents already mentioned, made over the whole property and franchises to a Board duly appointed and organized under the new law.

The seventh section, placing the income to be derived by the State from the so-called "Agricultural College" land grant, at the disposal of the Board of Regents, imposes upon them by obvious implication, the duty of carrying out the provisions of the act of Congress making that grant, referred to in the section. This act forms Chapter CXXX. of the Laws of the United States, 1862, and is entitled "An act donating public lands to the several States and Territories which may provide Colleges for the benefit of Agriculture and the Mechanic Arts. The full text is here given :

*BE it enacted by the Senate and House of Representatives of the United States of America in Congress assembled :*

Amount of grant.

That there be granted to the several States, for the purposes herein-after mentioned, an amount of public land, to be apportioned to each State a quantity equal to thirty thousand acres, for each Senator and Representative in Congress to which the States are respectively entitled by the apportionment under the census of eighteen hundred and sixty : *Provided*, that no mineral lands shall be selected or purchased under the provisions of this Act.

How located.

SEC. 2. *And be it further enacted*, That the land aforesaid, after being surveyed, shall be apportioned to the several States in sections or subdivisions of sections, not less than one-quarter of a section ; and whenever there are public lands in a State subject to sale at private entry at one dollar and twenty-five cents per acre, the quantity to which said State shall be entitled shall be selected from such lands within the limits of such State, and the Secretary of the Interior is hereby directed to issue to each of the States in which there is not the quantity of public lands subject to sale at private entry at one dollar and twenty-five cents per acre, to which said State may be entitled under the provisions of this act, land scrip to the amount in acres for the deficiency of its distributive share ; said scrip to be sold by said States, and the proceeds thereof applied to the uses and purposes prescribed in this act, and for no other use or purpose whatsoever : *Provided*, That in no case shall any State to which land scrip may thus be issued be allowed to locate the same within the limits of any other State, or of any Territory of the United States, but their assignees may thus locate said land scrip upon any of the unappropriated land of the United States subject to the sale at private entry at one dollar and twenty-five cents, or less, per acre : *And provided further*, That not more than one million acres shall be

located by such assignees in any one of the States: *And provided further*, That no such location shall be made before one year from the passage of this act.

SEC. 3. *And be it further enacted*, That all the expenses of management, superintendence, and taxes from the date of selection of said lands, previous to their sales, and all expenses incurred in the management and disbursement of the moneys which may be received therefrom, shall be paid by the States to which they may belong, out of the treasury of said States, so that the entire proceeds of the sale of said lands shall be applied without any diminution whatever to the purposes hereinafter mentioned.

States to pay all charges.

SEC. 4. *And be it further enacted*, That all moneys derived from the sale of the lands aforesaid by the States to which the lands are apportioned, and from the sales of land scrip hereinafter provided for, shall be invested in stocks of the United States, or of the States, or some other safe stocks, yielding not less than five per centum upon the par value of said stocks; and that the money so invested shall constitute a perpetual fund, the capital of which shall remain forever undiminished, (except so far as may be provided in section fifth of this act), and the interest of which shall be inviolably appropriated, by each State which may take and claim the benefit of this act, to the *endowment, support and maintenance of at least one college where the leading object shall be, without excluding other scientific and classical studies, and including military tactics, to teach such branches of learning as are related to agriculture and the mechanic arts, in such manner as the legislatures of the States may respectively prescribe, in order to promote the liberal and practical education of the industrial classes in the several pursuits and professions in life.*

Funds how invested.

Object of grant.

SEC. 5. *And be it further enacted*, That the grant of land and land scrip hereby authorized shall be made on the following conditions, to which, as well as to the provisions hereinbefore contained, the previous assent of the several States shall be signified by legislative acts:

Conditions

*First.* If any portion of the fund invested as provided by the foregoing section, or any portion of the interest thereon, shall, by any action or contingency, be diminished or lost, it shall be replaced by the State to which it belongs, so that the capital of the fund shall remain forever undiminished; and the annual interest shall be regularly applied, without diminution, to the purposes mentioned in the fourth section of this act, except that a sum not exceeding ten per centum upon the amount received by any State, under the provisions of this act, may be expended for the purchase of lands for sites or experimental farms, whenever authorized by the respective legislatures of said States.

States to preserve fund undiminished.

*Second.* No portion of said fund, nor the interest thereon, shall be applied, directly or indirectly, under any pretense whatever, to the purchase, erection, preservation, or repair of any building or buildings.

No build ings.

*Third.* Any State which may take and claim the benefit of the provisions of this act, shall provide, within five years at least, not less than one college, as described in the fourth section of this act, or the grant to such State shall cease, and said State shall be bound to pay

Grant to cease after 5 years.

the United States the amount received of any lands previously sold, and that the title to purchasers under the State shall be valid.

*Fourth.* An annual report shall be made regarding the progress of each college, recording any improvements and experiments made, with their cost and results, and such other matters, including State industrial and economical statistics, as may be supposed useful; one copy of which shall be transmitted by mail free, by each to all other colleges which may be endowed under the provisions of this act, and also one copy to the Secretary of the Interior.

*Fifth.* When lands shall be selected from those which have been raised to double the minimum price, in consequence of railroad grants, they shall be computed to the States at the maximum price, and the number of acres proportionally diminished.

*Sixth.* No State while in a condition of rebellion or insurrection against the government of the United States shall be entitled to the benefit of this act.

*Seventh.* No State shall be entitled to the benefits of this act unless it shall express its acceptance thereof by its legislature within two years from the date of its approval by the President.

SEC. 6. *And be it further enacted,* That land scrip issued under the provisions of this act shall not be subject to location until after the first day of January, one thousand eight hundred and sixty-three.

SEC. 7. *And be it further enacted,* That the land officers shall receive the same fees for locating land scrip issued under the provisions of this act as is now allowed for the location of military bounty land warrants under existing laws; *Provided,* Their maximum compensation shall not be thereby increased.

SEC. 8. *And be it further enacted,* That the Governors of the several States, to which scrip shall be issued under this act, shall be required to report annually to Congress all sales made of such scrip until the whole shall be disposed of, the amount received for the same, and what appropriation has been made of the proceeds.

A preparatory school had been opened in the University building in October, 1867, and was successfully conducted during the year following. In the summer of 1869 the first faculty was formed, consisting of a president and eight professors, and in September of the same year, the first college class was organized.

In July, 1871, the Board of Regents adopted the present plan of organization in place of the provisional one previously in effect.

The first Annual Commencement was held June 19th, 1873.

The progress of the institution has from the first been steady, and probably as rapid, all circumstances considered, as would be consistent with healthful development.



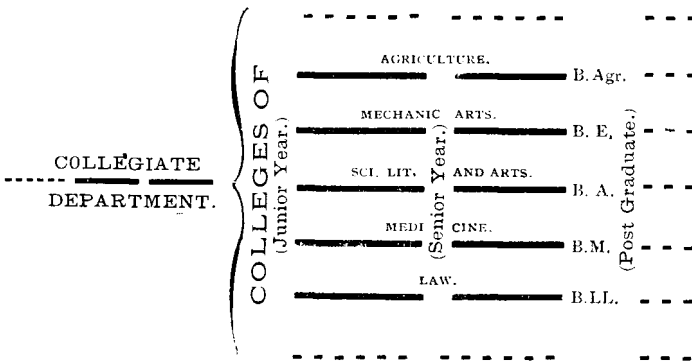
**GENERAL PLAN.**

Under the organic law the Board of Regents are authorized to establish any desired number of Departments or Colleges, the following, however, being specified :

- “ A DEPARTMENT OF ELEMENTARY INSTRUCTION ;
- “ A COLLEGE OF SCIENCE, LITERATURE AND THE ARTS ;
- “ A COLLEGE OF AGRICULTURE ;
- “ A COLLEGE OF MECHANIC ARTS ;
- “ A COLLEGE OR DEPARTMENT OF MEDICINE ;
- “ A COLLEGE OR DEPARTMENT OF LAW.”

The Colleges of Law and Medicine have not yet been organized.

The relative positions of these Colleges or Departments are illustrated by the following diagram :



The Department of Elementary Instruction, otherwise designated, by virtue of a by-law of the Board of Regents, the "COLLEGIATE DEPARTMENT," is introductory to the permanent Colleges of the University. It includes, together with the work of the Freshman and Sophomore classes of the ordinary College courses, the remainder of the old Preparatory Department, so long as any may be retained. In common with all Colleges and Universities of the newer States, the institution has been obliged to carry a large amount of preparatory work. One year of such work has been already dropped, and a second will be formally discontinued at the close of the University year 1875-6.

This arrangement of departments emphasizes and formulates the growing tendency and custom of American Colleges and Universities to make the close of the second or Sophomore year a branching point for certain professional and technical courses, and for the introduction of optional studies. It presupposes a separation of the secondary and superior epochs of education, and a corresponding assortment of studies. The high schools and other "fitting schools" of the State are thus invited to extend their work substantially up to the Junior Year. When this shall have been generally done, the University will dispense with the whole of the Department of Elementary Instruction, as provided by law, and will extend her proper work on post-graduate ground. In the meantime the elementary work of the University will begin at the point where the schools of the State leave off.

The general plan of the University contemplates a group or federation of distinct Colleges, having each its own organization, faculty, buildings and equipment. Among the advantages claimed for this general plan may be named the following :

1. A faithful adherence to the letter and spirit of the laws, state and national, which have established and endowed the University, and which contemplate it as a federation of literary, professional and industrial COLLEGES.

2. That, while offering the old college curriculum and discipline in their best forms to the literary and professional classes, the University will provide for the industrial classes that "liberal and practical education" required by law and public sentiment. ✓

3. The separation of the natural epochs of secondary and superior education, and the ultimate liberation of the University from the elementary work of the former. And coinciding with this division, an advantageous assortment of studies, methods and discipline, suitable to the two periods respectively.

4. A close and vital articulation of the University with the public school system of the State.

5. The elevation of the high schools, by enlarging the recognized sphere of their instruction.

6. The elevation of the professional schools by requiring of candidates for degrees a good general education as a prerequisite for admission, while not insisting upon the impossible condition that all shall have gone over the whole of the old College course.

7. The elevation, in particular, of the Colleges of Agriculture and Mechanic Arts to equal rank and standing with other University courses, and the separation of the studies and exercises properly belonging to them, from the elementary branches taught in the primary and secondary schools; which branches it is not the business of *Colleges* to teach.

8. Great freedom in the arrangement of details to suit varying conditions, the main plan remaining unchanged.

To put the above plan of organization into effect, as well as to prescribe the rights, powers and duties of the various parties concerned, the Board of Regents have from time to time enacted such by-laws as seemed to be necessary. These, after being submitted to the General Faculty for their revision, have been arranged and codified for convenience of reference. See Appendix.

## INSTRUCTION.

### PROFESSORSHIPS.

The following is a scheme of DEPARTMENTS OF INSTRUCTION at large, for the various Colleges of Departments of the University, authorized by the Board of Regents :

#### I. ACADEMIC OR GENERAL.

1. Mathematics.
2. Astronomy.
3. Chemistry.
4. Physics.
5. Geology and Mineralogy.
6. Botany.
7. Zoology.
8. Physical Geography.
9. English Language and Literature.
10. German Language and Literature.
11. French Language and Literature.
12. Latin Language and Literature.
13. Greek Language and Literature.
14. Comparative Philology.
15. Mental and Moral Philosophy.
16. History.
17. Social Science.
18. Elocution and Vocal Culture.
19. Public Health.
20. Industrial Drawing.
21. Fine Arts.

#### ASSOCIATED SUBJECTS.

- Rhetoric, Logic, Anglo-Saxon.  
 North European Languages.  
 South European Languages.  
 Roman History and Antiquities.  
 Greek History and Antiquities.  
 History of Philosophy.  
 History of Civilization. Philosophy of  
 History.  
 The Civil Government,\* International  
 Law.  
 Music. Gymnastics.  
 Anatomy and Physiology.  
 Descriptive Geometry.  
 Aesthetics.

\*Including the State and United States Constitutions.

## 11. PROFESSIONAL.

- |   |                                 |
|---|---------------------------------|
| 22. Theory and Practice of Agriculture. | Horticulture and Arboriculture. |
| 23. Civil Engineering.                  | Architecture.                   |
| 24. Mechanical Engineering.             | Mechanics.                      |
| 25. Military Science.                   |                                 |
| 26. Veterinary Science.                 | Stock Breeding.                 |
| 27. Education.                          |                                 |
| 28. Business.                           |                                 |

The following consolidations and assignments are now in force :

1. Astronomy is attached to the department of Mathematics.
2. Physics is attached to the department of Chemistry.
2. Botany, Zoology and Physical Geography, are in charge of the Professor of Geology and Mineralogy.
4. No instruction is offered in the North European Languages, except the Scandinavian.
5. The French Language and Literature are in charge of the Professor of Military Science.
6. No instruction is offered in the South European Languages, except Italian.
7. Comparative Philology is attached to the department of Mental and Moral Philosophy.
8. The History of Civilization is in charge of the President.
9. No instruction is offered in the Philosophy of History.
10. Civil Government and International Law are attached to the department of History.
11. Elocution and Vocal Culture are in charge of the Professor of History.
12. No instruction is offered in Music and Gymnastics.
13. The department of Public Health (and associated subjects) is in charge of the Secretary of the State Board of Health.
14. Industrial Drawing and Descriptive Geometry are attached to the chair of Civil Engineering.

15. No instruction is offered in the department of Fine Arts, except a short course of lectures.
16. Mechanical Engineering is united with Civil Engineering.
17. Veterinary Science and Stock Breeding are in charge of the Professor of Theory and Practice of Agriculture.
18. No instruction is offered in the departments of Business or Education.

### COURSES OF STUDY—DEGREES.

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#### ACADEMICAL.

I. The COLLEGIATE DEPARTMENT offers three courses of study, called Classical, Scientific, and Modern. The Classical Course has for its leading studies the Greek and Latin languages. The Scientific Course is characterized by a succession of elementary natural sciences, The Modern Course is distinguished by the prominence given to the modern languages. Students choose their courses at time of entrance. The General Faculty may also permit students to select studies from the various courses.

At the close of his course in this department each student has his option whether to enter at once, with a fair preparation, one of the professional Colleges, or to proceed with higher academical studies in the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS. No degrees are offered in the Collegiate Department.

II. The COLLEGE OF SCIENCE, LITERATURE AND THE ARTS presents, likewise, three courses of study :

A COURSE IN ARTS;

A COURSE IN SCIENCE;

A COURSE IN LITERATURE..

These lead, respectively, to the degree of Bachelor of Arts, Bachelor of Science, Bachelor of Literature.

PROFESSIONAL.

I. The COLLEGE OF AGRICULTURE offers two courses; (1) an advanced or University Course, based on the Scientific Course of the Collegiate Department, leading to the degree of Bachelor of Agriculture; (2) an Elementary Course, coinciding to a considerable extent with the Scientific Course of the Collegiate Department.

II. The COLLEGE OF MECHANIC ARTS offers three advanced or University courses, leading to appropriate BACCALAUREATE degrees:

- A COURSE IN CIVIL ENGINEERING;
- A COURSE IN MECHANICAL ENGINEERING;
- A COURSE IN ARCHITECTURE.

These courses are based on the Scientific Course of the Collegiate Department.

The detailed schedules of the courses of study in the various Colleges or Departments will be found under the appropriate titles. Attention is called to the following

GENERAL STATEMENTS.

1. The University year embraces thirty-eight weeks exclusive of recesses, and is divided into three terms. The first term has fourteen weeks; the second and third, twelve each.

2. As a general rule each student, in whatever department, has three recitations a day for five days in the week, besides rhetorical, military and other *exercises*.

3. The schedules are arranged according to the wants of the regular students. Special students must select (in equivalent amounts) from the studies as thus laid down.

4. Students of any department or college may attend classes of another department under the direction of the faculties and professors.

5. Except as otherwise ordered by the Board of Regents, the recitations and exercises of the various Colleges or Departments are conducted according to consolidated term programmes, adopted from time to time by the General Faculty.

6. Student in different courses are united in recitations whenever possible.

7. Elective studies, to count on standing, must be chosen from corresponding years and terms.

8. The merit of students as regards scholarship, is determined by means of examinations only. The examinations\* are habitually conducted in writing.

9. Any person passing the required examinations will receive the appropriate degree or certificate.

10. The schedules present merely leading titles and subjects. The usual collaterals must in all cases be implied. The rhetorical, military and other exercises are likewise not specified, being held according to appointment of the Faculties from time to time.

11. No honorary degrees are conferred by this University.

12. So soon as may be necessary, regular courses of post-graduate studies will be framed leading to the higher academical and professional degrees. In the meantime, graduates desiring to continue their studies, will make such arrangements with the faculties and heads of departments as may be feasible.

\*The examination questions being commonly written on the blackboard after the assembling of the classes, cannot be furnished to applicants.



The following statements show the nature and scope of the work in the various departments. Students preparing to enter are requested to note the KIND of preparation required.

*I. MATHEMATICS.*

PROFESSOR THOMPSON.

The course in Pure Mathematics commences on a basis of common Arithmetic and the Algebra of simple equations, and assigns twenty-six weeks to the completing of Algebra; ten weeks to Geometry; eight weeks to Conic Sections; four weeks to Land Surveying; twenty-six weeks to General Geometry, including Differential and Integral Calculus, and twelve weeks to Modern Geometry and Higher Equations.

The entrance examinations contemplate a thorough knowledge of the fundamental operations in Arithmetic, Factoring, Common and Decimal Fractions, Compound Numbers, Percentage (including Exchange and Banking), Proportion, Square and Cube Root with their practical applications. In Elementary Algebra, candidates will be examined in Notation and Numeration of Algebra, algebraic Addition, Subtraction, Multiplication and Division, Factoring, Fractions, Simple Equations, Radicals and Quadratic Equations. Examination for advanced standing includes, in addition to the above, all the studies passed over by the lower classes.

A prominent feature of the plan adopted in this department is limitation for the sake of thoroughness. It is the design to select only the cardinal principles of a given branch, concentrate attention on these, and treat all else as incidental. The results of this method are very satisfactory. An important principle once clearly understood by an entire class, the applications of it and the problems involving it are often made a matter of recreation. In Algebra, for instance, the problems and equations are regarded as no part of the treatise, other problems and equations being substituted for them.

In Geometry, the principal object desired is to understand thoroughly the logical chain that connects about two hundred geometrical propositions into one argument and one line of unbroken demonstration. The practical application of geometrical principles is fully illustrated by numerous examples.

Trigonometry is taught less by formulas than by concrete examples in Mensuration, Surveying, Navigation, and problems of the celestial sphere. All the

Conic Sections are discussed, and ample time is afforded to general Geometry, with a full use of Differential and Integral Calculus.

The introduction of Modern Geometry and Higher Equations into the course offers to the mathematical student opportunities of great importance.

## II. ASTRONOMY.

PROFESSOR THOMPSON.

A brief course of lectures on topics of descriptive Astronomy, is given by the professor to the First or Sophomore class. The text-book used is Olmsted's College Astronomy, and the instruction is conducted strictly on a mathematical basis. These students are expected to become familiar with the simple problems of the sphere, involving Spherical Trigonometry, with the use of formulas, and with computations necessary for the calculation of a lunar eclipse.

Those students who elect Astronomy in the Senior year, are expected to read Bessel's method of computing solar eclipses, compute latitude and longitude, and go through with the calculation of a solar eclipse in the most rigorous method.

## VII. PHYSICS.

PROFESSOR PECKHAM.

The Course of Study offers an elementary course in Natural Philosophy, of one term, and later, a full course in Physics and Mechanics, running through three terms. The recent purchases of apparatus have furnished ample means for illustration in this department. In addition to this work, which is required, students may elect to pursue an advanced course of study in the Physical Laboratory, making their own experiments and constructing their own apparatus in a small shop provided with tools for that purpose.

## IV. CHEMISTRY.

PROFESSOR PECKHAM.

During the first term all students of the second class, take General Chemistry. The following term the scientific students are required to take Applied Chemistry; also the students in the Modern Course, if they so elect.

The chemical laboratory is fitted up in the best manner, with apparatus and fixtures of the most approved construction. It is designed to furnish instruction in qualitative analysis to all students in the Scientific Course of the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS, and to all students in the COLLEGES OF AGRICULTURE and the MECHANIC ARTS, and in quantitative analysis and

in special research to all students, of whatever department or college, who may desire such opportunities.

No charges are made for instruction, and only such charges for apparatus and chemicals as will cover actual cost to the institution. The charges for ordinary chemicals will not exceed ten dollars per term. All glassware and other apparatus will be charged to the student at cost. The glassware that is uninjured will be received back at cost; other articles will be received back under special regulations, generally at a discount of twenty per cent. The cost of apparatus will vary from two to five dollars per term, according to the care exercised by the student.

Advanced students in analytical Chemistry are free to select their subjects for analysis or research under the advice of the Professor in charge.

#### *V. GEOLOGY AND MINERALOGY.*

PROFESSOR WINCHELL.

The Third Class in the Collegiate Department spends the Winter Term on General and Dynamical Geology, recitations occurring five times per week. Dana's Manual is used, the subject matter being enlarged by blackboard diagrams and familiar lectures. Full notes and abstracts of all lectures, and explanatory matter presented during the term, are required of the class. The fullness and correctness of these notes, and the transcribed diagrams, exhibit the industry and interest of the students, thus furnishing a basis for the stated examinations.

The Junior Classes spend the Winter Term on Mineralogy and Lithology, meeting five times per week. The aim of this term's work is to make the student familiar with the crystalline forms and outward characters of the common minerals, and by a course in blowpipe analysis, to determine, quantitatively, their composition. After the most important minerals are thus made familiar to the student he is ready to begin the examination and careful study of rocks. The same class continues the study of Historical Geology during the following term. This also requires daily recitations. The chief aim here is to bring out the succession of principal events in the geological history of the earth, in a series of recitations and lectures, with special reference to the continent of North America and the State of Minnesota.

The student of the science of Geology in the University, is furnished throughout with such aid as can come from a good supply of maps, diagrams, models, and other means of illustration. Use is made of Marcy's Sciopticon with a

suit of geological and mineralogical slides. This means of illustration is specially valuable in the departments of Dynamical and Lithological Geology. The collections of the Geological and Natural History Survey of the State, stored by law in the University Museum, and constantly increasing, are in daily use in the class room. A series of casts of fossils, purchased of Professor Henry A. Ward, of Rochester, N. Y., are available for use in the study of historical Geology. The text-books used are those of Dana, with Elderhorst's and Brush's in blowpipe Mineralogy.

### *VI. BOTANY.*

#### PROFESSOR WINCHELL.

The Third Class in the Collegiate Department begins Botany in the Spring Term. The elements of structural and systematic Botany are acquired by the use of a text-book and hand specimens. Each member of the class is required to analyze correctly, and name, independently, forty or fifty species, keeping full records of the characters and peculiarities of each species. At the final examination each student submits his record and note-book, and must be prepared to name and characterize each species, and name its family relations.

In the College of Agriculture provision is made for a special course in Botany, with reference to the wants of students expecting to pursue farming.

### *VII. ZOOLOGY.*

#### PROFESSOR WINCHELL.

The course in Zoology is introduced in the Fourth Class in the Collegiate Department. During the Spring Term a daily recitation is held in elementary, human, and comparative Physiology.

Students in the Elementary Course in Agriculture are required, when in the Second Class, to pursue the study of Zoology during the Winter Term. In the Collegiate Department, students of the Second Class who *elect* Zoology, will recite with those in the course in Agriculture. The course will consist of a review of the Elements of Zoology with the use of the microscope and sciop-ticon, and illustrations from the Museum.

Students in the Collegiate Department who elect Zoology in the First Class, will be put to work, in the Spring Term, in some department of Zoology, as Ornithology, or Entomology, or Conchology, making collections and studying species. Such specimens collected will be placed in the University Museum to the credit of the collectors, when regarded worthy of exhibition. The text-books in Zoology will vary.

VIII. PHYSICAL GEOGRAPHY.

PROFESSOR WINCHELL.

During the Fall Term the Fourth Class in the Collegiate Department pursue Physical Geography. This is intended to introduce the student to the natural sciences, and, by a general and broad survey, show him what lies before.

IX. ENGLISH LANGUAGE AND LITERATURE.

PROFESSOR MARSTON.

*Collegiate Department.*

FOURTH CLASS.—The study and practice of Elementary Elocution and Composition. Under the latter subject are included punctuation, capital letters, proper form of papers of various kinds—as letters, examination papers, essays, etc., and the grammatical structure of sentences.

In the second term students pursuing the Modern Course take Trench's Study of Words.

THIRD CLASS.—Elocution continued. Declamations privately rehearsed and afterwards delivered before the class. Practice in making outlines of easy description and narrative themes, and in expanding outlines into short essays. Those electing English the first term study the English of some standard modern author in connection with a hand-book of the English Language.

SECOND CLASS.—Practice in Elocution and Composition, continued. Declamations rehearsed in private and afterwards delivered before the class.

Those electing English study Anglo-Saxon and the history of the English Language, and read some standard modern author.

FIRST CLASS.—Declamations, previously rehearsed and criticised in private, given before the class and made the subject of further criticism.

In connection with Logic and Rhetoric instruction is given in making outlines of argumentative themes, and in the higher qualities of style.

*Advanced (or University) Work.*

JUNIORS (of all Departments).—History, and general view of English Literature; the critical study of the English of Chaucer and Shakespeare.

Students in the Modern Course, and those in the other courses who elect English, the second and third terms, read critically selections of early English; also later standard authors, as Milton, Bacon, Addison, Wordsworth, Tennyson.

Essays and original orations (nine in all during the year) are required of each member of the class. Each essay or oration is carefully criticised, then rewritten, then, if approved, rehearsed, and finally presented before the students and faculty.

SENIORS (of all departments).—Elements of Criticism. with practice in criticism of authors. Essays and orations before the University — seven exercises in the year, including Commencement part.

#### X. GERMAN LANGUAGE AND LITERATURE.

PROFESSOR MOORE.

The course may be completed in three years or nine terms. The object of the instructors will be to teach the student the principles of grammar and the use of idioms, and to give him so much practice in pronunciation that, at the end of the course, he may be able to read, write and converse with some degree of facility.

FIRST YEAR.—Campbell's German Course is used in the Fall Term of the first year, followed in the Winter and Spring terms by Anderson's "Ausgewählte Märchen" and Goethe's Hermann and Dorothea in connection with German History and Geography.

SECOND YEAR.—The Fall and Winter terms are devoted to Schiller's "Jungfrau von Orleans" and Goethe's "Iphigenie auf Tauris" or some similar dramatic work; the Spring term to prose selections.

THIRD YEAR.—The reading consists of Lessing's "Nathan der Weise" followed, in later terms, by the first part of Goethe's "Faust" and German Literature.

Whitney's German Grammar is used as a text-book in connection with the reading and composition exercises throughout the second and third years.

#### XI. FRENCH LANGUAGE AND LITERATURE.

PROFESSOR HUGGINS.

*Collegiate Department.*

French is required of all students of the Modern Course in the First or Sophomore Class, and is optional for the students of the Classical and Scientific Courses. Fasquelle's Grammar and Otto's Reader are the text-books now used with this class.

*College of Science, Literature and the Arts.*

French is an option for all the students of the Junior Class, and for those of the Senior Class during the first term. Selections from the best modern authors are read, and the usual collateral work is required.

*XII. LATIN LANGUAGE AND LITERATURE.*

PROFESSOR WALKER.

The requirements for entering the Freshman, or Second Collegiate Class, are :

Latin Grammar and Reader, and with them, Part I. of Latin Prose Composition ; four Books of Cæsar, five Orations of Cicero, and six Books of Virgil, with Part II. of Prose Composition.

In connection with the Reader, all declensions and rules for gender, the regular conjugations and a thorough analysis of the verb, and the most important rules of Syntax are required.

In reading the other authors, the student is expected to translate the Latin idioms into proper forms of expressing the thought in English without changing the general structure of the sentence.

The syntax of cases and modes is to be thoroughly studied and applied to all constructions ; the principles and words familiarized by oral retranslations and Latin composition. The student should practice pronouncing the Latin, after translating it, till the thought is taken in at sight, as from English words

More importance is attached to thoroughness than to the amount of text passed over.

The studies of the course are :

*Collegiate Department.*

Second, or Freshman Class,—Livy,—Prose Composition completed, and Roman History begun.

First, or Sophomore Class,—Horace,—Odes, Satires and Epistles ; Roman History and Antiquities.

*College of Science, Literature and the Arts.*

Junior Year—Germania and Agricola of Tacitus, and Satires of Juvenal. Lectures on Roman Literature.

Senior Year—Comedies of Plautus and Terence. Lectures on Roman Law.

*XIII. GREEK.*

PROFESSOR BROOKS.

The Course of Study embraces text-books in History, Poetry, Oratory, Comedy, Tragedy, and Philosophy, and lectures on the Greek Language, Literature, Religion, Philosophy, and Art. Collateral studies are History, Geography, Mythology, Biography, Customs, &c.

PRINCIPLES AND METHODS.—Greek is pronounced according to the accents, and with the so-called Continental sound of the vowels and diphthongs; a knowledge of grammar and of words proceed together. In translation, the radical meaning of words is to be learned, but the precise signification in the passage rendered is to be given; the thing to be done in translating an author is to give his exact meaning in the best idiomatic, grammatical English; facts, allusions, tropes, history, chronology, mythology, topography, customs, arts, laws, grammatical forms and elements, etymologies, composition of words, are to be attended to: translation of English into Greek is based upon the author read. So far as the author himself is concerned, among the things to be noted are, the chief facts of the author's life; the contemporary history and political condition of the country, and the author's relation to them, and the character of the people; and the expression and logical scope of his thought, and the wisdom, &c., of his views.

*XIV. MENTAL AND MORAL PHILOSOPHY.*

PROFESSOR CAMPBELL.

Instruction in this department extends through four terms, beginning with Psychology the third term of the Junior year. The exercises occur five times each week, one-half of the hour being occupied with a text-book recitation, and the other with a lecture on the topic in hand. The subject is investigated empirically, and is introduced by the lectures on theoretical Philology, the preceding term, and followed by the study of Philosophy proper. This subject, [Ontology] is taken up in a course of lectures, occurring five times a week, the first term of the Senior year. It is pursued historically, and particular attention is directed to the Philosophies of Plato and Aristotle, Kant and Hegel, requiring translation of extracts from the Greek or German, as the case may be. The history closes with a discussion of the present condition of Philosophy in the leading Universities of the world. The development of Philosophy proper is followed by lectures on Ethics and the Evidences of Revealed Religion, occurring five times per week, during the second term of the Senior year. The



under-graduate instruction in this subject closes the third term (Senior) with a course of twelve lectures on Natural Theology. This course of lectures is optional in all cases. The other subjects in this department are required in each of three courses in the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS, and optional for the other colleges.

*XV. COMPARATIVE PHILOLOGY.*

PROFESSOR CAMPBELL.

Properly speaking, the instruction in Comparative Philology is reserved for the post-graduate courses. As introductory to such instruction, a course of twenty lectures on Philology (theoretical), commonly called the Science of Language, is given during the second term of the Junior year. These lectures cover the following general subjects: The Philosophy of Grammar; Language as spoken and heard; Language as written and seen; The Laws of Inflection; The Roots; History of Philology; The Literature of Philology.

*XVI. HISTORY.*

ASSISTANT PROFESSOR LAING.

The Department of History has recently been organized, having been detached from the Department of English Language and Literature.

*Collegiate Department.*

Applicants for admission to the Fourth Class are examined in the History of the United States, (Swinton's "Condensed History of the United States", or equivalent.) As arranged for the *next* year, the following schedule will be followed:

The Scientific and Modern Sections of the Fourth Class, First Term, History of England.

The whole Fourth Class, the Third Term, Outlines General History.

The Scientific and Modern Sections of the Third Class, the Second and Third Terms, Modern History.

Greek and Roman History, for the present, remain in charge of the Professors of Greek and Latin.

*College of Science, Literature and the Arts.*

The Junior Class take Guizot's History of Civilization three times a week, the Second Term.

In the Philosophy of History no special work is done. As far as possible, it is combined with Guizot and the regular work of the various classes.

Aside from the text-books, frequent lectures are given, and it is intended to give special prominence to this class of work.

*XVII. SOCIAL SCIENCE.*

MR. FOLWELL.

Political Economy is taught to the Seniors in the Second Term chiefly by conversational lectures. This subject is required of all students of the College of Science, Literature and the Arts, and is elective for those of other colleges. The library is well supplied with the standard authors on Political and Social Science. The aim of the instructor is to present clearly and fairly the history of the science and to thoroughly inculcate established principles. On disputed topics the conflicting views are brought out with all possible impartiality.

To this department are attached International Law and Civil Government, including the state and national Constitutions—the former an option with the Senior Class—twice per week for the Third Term; the latter required in the Scientific and Modern Courses of the Senior Year, three times per week for the Second Term. These are in charge of the Professor of History.

*XVIII. ELOCUTION.* See "English Language," &c., *supra*.

*XIX. PUBLIC HEALTH.*

PROFESSOR HEWITT.

A course of lectures on Sanitary Science is offered to the Seniors of all departments, the third term. The topics embraced are such as: Personal Hygiene as depending on soils, water, air, food, clothing, etc.; Public Hygiene including sewerage and drainage of towns, heating, lighting and ventilation of dwellings and public buildings; epidemic diseases, intemperance, &c.

The Physiology taught at present to the lowest class of the Collegiate Department, is included in this department of instruction.

*XX. MILITARY SCIENCE.*

PROFESSOR HUGGINS, U. S. A.

SEC. 26. *And be it further enacted,* That for the purpose of promoting knowledge of military science among the young men of the United States, the President may, upon the application of an established college or university within the United States, with sufficient capacity to educate at one time not less than one hundred and fifty male students, detail an officer of the army to act as president, superintendent, or professor of such college or university; that the number of officers so detailed shall not exceed twenty at any time, and shall be apportioned through the United States, as nearly as practicable, according to population, and shall be governed by general rules, to be prescribed from time to time by the President.

In compliance with the foregoing section of an act of Congress approved July 28th, 1866, the President has detailed an officer of the army as Professor of Military Science at this University. The Government has also furnished 150 light breech-loading rifle muskets, with accoutrements complete, similar to those in use by cadets at the U. S. Military Academy, and a section of artillery, with equipments, for instruction in the school of the piece and battery. Instruction is given in the schools of the soldier, company, and battalion; drill, parade, review, and other ceremonies. By action of the Board of Regents, military exercises are required of all male students of the Collegiate Department, and are optional in the other classes. The course of Theoretical Instruction is optional.

*XXI. CIVIL ENGINEERING, MECHANICAL ENGINEERING,  
ARCHITECTURE, INDUSTRIAL DRAWING, &c.*

See COLLEGE OF MECHANIC ARTS.

*XXII. THEORY AND PRACTICE OF AGRICULTURE, VETERI-  
NARY SCIENCE, &c.*

See COLLEGE OF AGRICULTURE.

## REQUIREMENTS FOR ADMISSION.

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The University is open free of all charges for tuition, upon equal terms to all persons over fourteen years of age, whether residents of the State or not, who may pass the required tests and examinations.

The faculties occasionally exercise the power of waiving the ordinary examinations in the cases of applicants of advanced age who desire instruction in special studies. These applicants must, however, submit to such tests as may be necessary to enable the Professors concerned to decide whether they are competent to receive the desired instruction.

Applicants for advanced rank must be examined in the subjects gone over by the class and section which they desire respectively to join. Real equivalents are accepted.

Applicants for admission to the advanced or University courses proper, as candidates for degrees, are examined in all the studies of the appropriate courses in the Collegiate Department.

The Collegiate Department being the usual avenue to the advanced courses and Colleges, the requirements for admission are more particularly stated.

### I.

ALL applicants for admission to the COLLEGIATE DEPARTMENT are examined in the following elementary studies :

READING, WRITING, SPELLING ;  
ENGLISH GRAMMAR (including ANALYSIS),  
ARITHMETIC AND ELEMENTARY ALGEBRA,  
GEOGRAPHY AND UNITED STATES HISTORY.

Those intending to pursue the Latin Language are also examined in the Latin Grammar, Reader, and Composition, (Part I.)

Successful examinations in the above-named studies will admit to the lowest class, at the beginning of the next University year (1875—6) but NO LONGER.

II.

From and after the *end* of the next University year (1875—6) applicants for admission to the lowest class (THIRD) will be examined as follows :

1. All applicants; in the elementary studies given above, in English Composition and Rhetoric (Hart's or equivalent), in Algebra to General Theory of Equations, and in the outlines of General History.

2. Those selecting the CLASSICAL Course will be further examined in Cæsar's Commentaries (four books), Cicero (five orations), in Greek Grammar and Reader, and Xenophon's Anabasis (eight chapters of Book I.)

3. Those selecting the SCIENTIFIC Course will be examined in Physical Geography, Natural Philosophy, Physiology, Free Hand Drawing; also

In History of England, Study of Words (Trench, or equivalent.), and Elementary Astronomy. In place of the last three, applicants may offer either the Latin *or* Greek required for the Classical Course above.

4. Those selecting the MODERN Course will be further examined in History of England, Higher English Grammar and Physiology; also in the Latin *or* Greek required for the Classical Course; but applicants may offer in lieu of the Latin *or* Greek, the following scientific studies: Physical Geography, Natural Philosophy, and Elementary Astronomy.

The studies named are those which will be pursued in the Fourth Class during the next year only (1875-6), after which, by order of the Board of Regents, that class will be dropped.

Arranged in tabular form, these studies stand :

TERM.	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST.	1. Greek Grammar ( <i>begun</i> ). 2. English Composition. 3. Cæsar,— <i>Gallic War</i> .	1. Physical Geography. 2. English Composition. 3. { History of England, or Cæsar ( <i>Gallic War</i> ), or Greek Grammar.	1. History of England. 2. English Composition. 3. { Physical Geography, or Cæsar ( <i>Gallic War</i> ), or Greek Grammar.
SECOND.	1. Greek Grammar, ( <i>continued</i> ). 2. Algebra. 3. Cæsar,— <i>continued</i> .	1. Natural Philosophy. 2. Algebra. 3. { Study of Words ( <i>Trench</i> ) or Cæsar ( <i>continued</i> ), or Greek Grammar.	1. Study of Words, ( <i>Trench</i> ). 2. Algebra. 3. { Natural Philosophy, or Cæsar ( <i>continued</i> ), or Greek Grammar.
THIRD.	1. Xenophon,— <i>Anabasis</i> . 2. General History. 3. Cicero,— <i>Orations</i> .	1. Physiology. 2. General History. 3. { Elementary Astronomy, Cicero, <i>Orations</i> , or Xenophon,— <i>Anabasis</i> , Free-Hand Drawing.*	1. Physiology. 2. General History. 3. { Elementary Astronomy. Cicero.— <i>Orations</i> , or Xenophon,— <i>Anabasis</i> .

\*Optional in other courses.

The Third Class will next be dispensed with at no distant time, although no date has been fixed for its discontinuance. It is therefore deemed advisable to state

### III.

the requirements for admission to the

#### SECOND, OR FRESHMAN CLASS.

I. ALL APPLICANTS will be examined in the elementary studies already given: Reading, Writing and Spelling, English Grammar including Analysis; Arithmetic and Elementary Algebra;

Geography and United States History; also in English Composition and Rhetoric (Hart's or equivalent); Algebra, Complete to the General Theory of Equations; Outlines of General History, (Swinton, or equivalent,) Plane Geometry, Geometrical Drawing and Elements of Geology. Those intending to pursue the Latin Language, will be examined in the Latin Grammar and Reader, and in the First Part of Composition.

2. Examinations additional to the above will be required according to the course of study which the applicants may respectively choose, as follows:

(1.) For the CLASSICAL Course, in

Cæsar's Commentaries (4 Books), Cicero (5 Orations),  
Virgil's *Æneid* (6 Books).  
Greek Grammar and Reader, Xenophon's *Anabasis*  
(3 Books), Herodotus (8 Chapters).  
History, Geography, &c., of the authors named.  
Also in Botany (Gray).

(2.) For the SCIENTIFIC Course in

Physical Geography, Natural Philosophy, Physiology,  
Botany, Free-Hand Drawing, Elementary Astronomy  
(the last optional); also in

History of England, Study of Words, (Trench, or  
equivalent,) Higher English Grammar, (Fowler, or  
Latham,) Modern History. In place of these studies  
in English, applicants may pass in the Latin *or* Greek  
required for the Classical Course. In place of the  
Higher English Grammar and Modern History, the  
German required for the Modern Course, as given  
below, may be offered.

## (3.) For the MODERN Course in

German Grammar and Reader, and Schiller's *Wilhelm Tell* (or equivalent), History of England, Physiology; also the same Latin *or* Greek required for the Classical Course, but applicants may in lieu thereof, offer the following studies: Physical Geography, Natural Philosophy, Elementary Astronomy, Modern History.

ARRANGED ACCORDING TO SUBJECTS, the requirements for admission to the SECOND or FRESHMAN CLASS stand as follows:

1. MATHEMATICS:—Arithmetic Complete; Algebra Complete, except the General Theory of Equations, Plane Geometry [and Geometrical Drawing]. Required in all courses.

2. NATURAL AND PHYSICAL SCIENCES:—(1) Required in all courses—Geography, Elements of Geology. (2) Required in addition:—

For the Scientific Course—Physical Geography, Natural Philosophy, Physiology and Botany; Elementary Astronomy (the last optional);—

For the Classical Course—Botany;—

For the Modern Course—Physiology;—

3. HISTORY:—(1.) History of the United States, and Outlines of General History, for all courses. (2) Required in addition:—

For the Scientific Course, when no language other than English is taken — History of England, Modern History;—

For the Modern Course—History of England; Optional for same course with Latin *or* Greek, Modern History.



4. LANGUAGES.

- (1.) *English*.—A. For all Courses.—Reading, Writing, Spelling, English Grammar, including Analysis, Composition and Rhetoric. Applicants will be required to write a short theme or narrative on a subject assigned at the time. B. Required in addition :

For the Modern Course—Higher English Grammar.

For the Scientific Course, when no language other than English is taken—Higher English Grammar.

- (2.) *German*.—Grammar and Reader, Schiller's Wilhelm Tell (or equivalent). Required for Modern Course; optional for Scientific.

- (3.) *Latin*.—Grammar, Reader and Composition; Cæsar's Commentaries, 4 Books; Cicero, 5 Orations; Virgil's Æneid, 6 Books; with the History and Geography of the authors. Required for Classical Course only; optional for the others.

- (4.) *Greek*.—Grammar, Reader and Composition, Xenophon, Anabasis, 3 Books; Herodotus, 30 Chapters, with the History, Geography, &c. of the authors. Required for the Classical Course only; optional for the others.

Candidates may find it convenient to refer to the table of FOURTH CLASS studies given above, and to the tabulated courses of study for the THIRD CLASS, as given hereafter.

Applicants for the FIRST, or Sophomore Class, will be further examined in the studies of the chosen courses in the SECOND CLASS.

## **EQUIPMENT.**

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### **GROUNDS.**

The University is situated in the East Division of the city of Minneapolis, about one mile below the FALLS OF SAINT ANTHONY, on an elevated bluff in full view of the same. The grounds are about twenty-five acres in extent, undulating in surface and well wooded with native trees. Plans for the embellishment of the grounds have been made by Messrs. Cleveland and French, "Landscape Architects," Chicago, and will be carried out so fast as the means can be afforded. Meantime, such are the natural advantages of situation and contour, they are very attractive.

The Experimental Farm of the Agricultural College is situated a short distance below, near the east bank of the Mississippi. For description see "College of Agriculture."

### **BUILDINGS.**

The general plan of the buildings contemplates a central academic building, and, grouped around it, additional structures for the separate departments or colleges. Up to the present time the whole work of the institution has been carried on in the old building, erected many years ago as a portion (west wing) of a central building. During the past year a large addition has been erected, which will be available for use the next year. The old part has been repaired and renovated, to correspond, so far as possible with the new portion. These structures, old and new, constitute the

## MAIN OR ACADEMICAL BUILDING.

This building is 186 feet in length and 90 in breadth exclusive of porches, having three stories above the basement. The walls are of blue limestone and the roofs of tin and slate. The rooms, fifty-three in number, as well as all the corridors, are heated by an efficient steam apparatus, and are thoroughly ventilated. Water and gas are supplied wherever needed. The Assembly Hall, in the third story, 87x55 feet and 24 feet high, will seat with great comfort 700 people, and 1,000 can be accommodated. In addition to class rooms for various departments of instruction, suitable rooms are set apart for the Museum, the Library and Reading Room, the Literary Societies, etc.

## THE AGRICULTURAL COLLEGE.

This is the first of the special buildings for the separate colleges. It is of brick on a basement of blue stone, 146x54 feet. The central portion is two stories in height. The south wing, 46x25 feet, is a plant house of double sash and glass. The north wing contains the Chemical Laboratory. There are class rooms for Chemistry and Agriculture, and private laboratories for the professors. The whole building will be heated by steam, except the plant house, by hot water. In the second story will be two large rooms, one for the Industrial Museum, the other for a Lecture Hall.

## THE CHEMICAL LABORATORY.

This laboratory occupies five rooms in the north wing of the Agricultural College. (1) The main students' laboratory, 22x45 feet. It contains eight tables, accomodating sixty-four workers in two sections or reliefs. Each table has water, gas, sink, shelving for reagents, drawers and cupboards for apparatus, all of the most approved construction. Between the tables, in the outside walls, are ventilating hoods of an improved form, suggested by the professor of Chemistry. (2) The Chemical recitation room adjoin-

ing, provided with lecture table and all appurtenances necessary for effective illustration of lectures on Chemistry and Technology. (3) The Apparatus room, provided with cases for storing apparatus, and tables for the balances. (4) The professor's private laboratory, a small room, but one well adapted to the purpose. (5) A room in the basement fitted up for assay and furnace work. All the rooms except the last are on one floor, are well lighted and ventilated, and communicate with each other in a convenient manner. The University is now able to offer ample facilities for successful study and instruction in both General and Analytical Chemistry, and in the allied branches of study. Persons desiring analyses made should address Prof. S. F. Peckham.

#### THE PHYSICAL LABORATORY.

In the main building, the rooms devoted to the Department of Physics are so arranged and furnished that students desiring to make a specialty of Physics, can have opportunity to use the apparatus, and perform their own experiments. In addition a small room has been set apart for a lathe and work bench. Students are permitted to construct models and apparatus. Excellent specimens have been already produced.

#### THE MINERALOGICAL LABORATORY.

Tables and apparatus sufficient for the use of twelve workers at a time, have been provided in Room 50, main building. Additions will be made as required.

#### DRAWING ROOMS.

Room 52 in the main building, 47x30x16 feet, is furnished with stout wooden tables for the use of the classes in Geometrical and Free Hand Drawing. There are also cases and cabinets for holding drawings and drawing boards. A considerable collection of prints, drawings, and models for lessons and illustrations, has been made.

Room 44 is provided with the Worcester Adjustable Drawing Drawing Tables of wood and iron, for the use of the classes in Descriptive Geometry, Engineering and Architecture.

#### MUSEUMS.

The GENERAL MUSEUM comprises the collections of the Geological and Natural History Survey of the State, augmented by purchases and donations. It has lately been enriched by the addition of specimens of some of the larger mammals of the Northwest, procured by the Curator during the exploration of the Black Hills of Dakota by Major General Custer. These specimens are none of them yet on exhibition, owing to the lack of room in the old building of the University. Immediately on the completion of the new building the general Museum will be opened in Room 51, which will be fitted with such cases and furniture as may be necessary. Contributions may be addressed to Professor N. H. WINCHELL, Curator.

The INDUSTRIAL MUSEUM will be accommodated in the Agricultural College building. Contributions may be addressed to Professor CHAS. Y. LACY.

The collections of Patent Office models, and the Schrøder Models for Descriptive Geometry, are already displayed in substantial cases in Rooms 12 and 44. The collection of seeds and grains is temporarily stored in Room 12.

#### APPARATUS.

No attempt has been made at display, but great pains have been taken to procure for the various departments the essential instruments and materials for illustration. In addition to articles referred to in previous statements may be mentioned: a transit, Y level, compass, chains and tape measures, and a full set of drawing instruments for the Department of Civil Engineering; a variety of geographical maps, ancient and modern; globes, charts, geometrical models, etc.

## THE LIBRARY.

The number of bound volumes has reached nearly 10,000, and additions are constantly being made. Besides the books purchased of booksellers, the following collections have been acquired:

(1) The Robertson Collection of 1,200 volumes, purchased from Col. D. A. Robertson, of St. Paul, formerly a professor in the University. This collection is rich in works on American History, Arctic Travel and Discovery, Ethnography and Political Economy.

(2) The Campbell Collection of 2,800 volumes, selected by Professor Campbell in London, Berlin, Florence, and other cities of Europe. This embraces many French, German, and Italian works. The subjects most numerous represented are Philology, Philosophy and Social Science, General Literature, History and Biography.

(3) The Tappan Collection, comprising 2,500 volumes from the private library of the Rev. H. P. Tappan, D. D., LL. D., ex-president of the University of Michigan. This collection contains choice and valuable editions of standard English authors, numerous works on philosophical subjects, and many reviews and works of reference.

The miscellaneous purchases have been confined to Encyclopedias, Dictionaries, Bibliographical material, and works of first necessity for the various departments of instruction. Among the public documents are to be found sets complete, or nearly so, of the Smithsonian publications, the Coast Survey Reports, the Survey of the Pacific Railroad, Schoolcraft's Indian Tribes, and Reports of the Geological Surveys of Canada, and of several of the States.

The printed alphabetical catalogue of authors contains the titles of all the bound volumes except the public documents and the Tappan Collection. The catalogue of authors of this collection, and the alphabetical catalogue of subjects of all the books (except public documents) are on slips ready for printing.

The Library and Reading Room will occupy rooms 18, 20, 22, and 24 in the first story of the main building. The books will be shelved according to a simple classification, upon the so-called "elastic system," which allows additions indefinitely, without disturbing the existing arrangement and numbering.

The Library is open to everybody every day except Sundays and holidays, from 7½ A. M. to 5½ P. M. Students are allowed to borrow books for home reading, to be kept fourteen days; but works marked in the catalogue with a \*, comprising books of reference, illustrated works, and rare and costly books, can not be removed. These works, as well as all others, may be read and consulted during the same hours in the

READING ROOM.

A number of periodicals are also to be found here; among them are the following:

QUARTERLY.

The Journal of Speculative Philosophy, The New Englander, The North American Review, The Edinburgh Review, The North British Review, The Westminster Review, The London Review.

SIX TIMES A YEAR. The International Review.

MONTHLY.

The American Journal of Science and Arts, The Agriculturist, The Journal of the Franklin Institute, Appleton's Popular Science Monthly, Scribner's New Monthly, Harper's New Monthly, The Sunday Magazine, Blackwood's Magazine, The Eclectic Magazine, Van Nostrand's Engineering Magazine.

WEEKLY.

Littell's Living Age, The Nation, The New York Tribune, The Nordisk Folkeblad, The Farmers' Union, The Prairie Farmer Illustrirte Zeitung (Leipzig), Harper's Weekly, Army and Navy Journal, Official Gazette U. S. Patent Office.

SEMI-WEEKLY. New York Evening Post.

DAILY.

Minneapolis Tribune, St. Paul Pioneer-Press, War Department: Weather Map, &c.

## GENERAL INFORMATION.

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### ACCESS.

The University of Minnesota is accessible by means of all conveyances centering in the cities of Saint Paul and Minneapolis.

### HOW TO ENTER THE UNIVERSITY.

1. Apply personally or by mail to the president for a blank "application," and have it properly filled up, dated and signed.
2. Previous to the time appointed for the examinations, present your application at the president's office, and receive a numbered examination ticket. By this number alone you will be known to the examining professors.
3. Report promptly for examinations at the time and place announced, and attend the sessions punctually, observing such directions as may be given.
4. At an appointed hour after the close of the examinations, the successful numbers will be announced.
5. The successful applicants will, upon payment of the annual fee of five dollars for incidental expenses, receive a registration card, which will admit them to their classes.

Applicants who do not present themselves at the proper time can only be examined by permission of the Faculties, to whom application in writing must be made, stating the reasons for absence.



**BOARDING.**

THE UNIVERSITY HAS NO DORMITORIES, except for a few employes. This is a matter both of necessity and of policy; of necessity, because the State has not been able to furnish money to build dormitories; of policy, because it is thought better for the students to be distributed among the people of the university city, amenable to the common laws and sentiment of society. The public bounty stops at furnishing free instruction, leaving to private hands the providing of maintenance.

Three methods of boarding are practiced. (1) Self boarding, by individuals, or, more commonly, by small groups or colonies composed of members of the same family, or of neighboring families. Rooms are hired, and furniture, provisions and fuel brought from home. When well managed this is an excellent and very economical mode of living. Two dollars a week per pupil may be set down as the cost. (2) Club boarding. This has been practiced for several years, and is well organized. The Pillsbury Club occupy the two buildings erected by Regent Pillsbury one and two years ago, on Fourth street between 13th and 14th avenues. The rooms, 16 in number, large and well-lighted, are rented for a sum sufficient to pay repairs and taxes. The occupants organize and operate the boarding club. The price of board has never exceeded \$2.50 per week. A respectable family reside in one of the buildings, and the proprieties of civilized life are therefore observed. (3) Boarding in families. The difficulties formerly encountered in procuring suitable places for students desiring to board in families are fast disappearing. Good board can be found at reasonable prices, ranging from \$3.50 upwards. A list of families willing to receive student boarders, is posted on the bulletin board at the beginning of the year; also one of "rooms to let."

**EMPLOYMENT.**

The UNIVERSITY CAN NOT PROMISE EMPLOYMENT to all who desire to earn their living. The few places it can offer are always in the hands of old students. New comers cannot expect to get them. The following advice, deduced from the observations of several years, is offered to young persons of limited means who want an "education:"

1. If possible, learn a good trade or art before coming to the University. Your chances for work will be greatly increased, and you can get better wages.
2. Bring some money, fifty dollars at least, on which to live until you find work.
3. If you want work you must look for it. It will not come to you at first. Be active, resolute and enterprising.
4. If you have "to pay your way" through college, resolve to take years enough to do it well without ruining your health.

The following are some of the employments or capacities in which students have been engaged:

- (1) Teaching in city and country schools, and in Teachers' Institutes.
- (2) Teaching private pupils and classes in general studies,
- (3) Teaching specialties, such as Music, French, Drawing, &c.
- (4) Land Surveying, Government Surveying, Railroad Surveying.
- 5) Map Drawing and Copying.
- (6) Care of churches and public school buildings.
- 7) Market Gardening and Dairying.
- (8) General "chores" at private houses.
- (9) Work on the Experimental Farm.
- (10) House Painting, Wood Turning, Paper Hanging, Carpentry, Type-setting, Taxidermy, Tuning Pianos.
- (11) Salesmen, Book Agents, Choristers, Sunday School Superintendents, Newspaper Carriers.
- (12) Librarians, Clerks, Bell Ringers, Firemen, Sweepers, Teamsters, &c.

### EXPENSES.

These depend so much upon the tastes and habits of individuals that no general estimate can safely be made. In some cases young men have lived comfortably on \$160 for the University year.

TUITION IS FREE IN ALL DEPARTMENTS. The only university charge is the annual fee of \$5.00 for incidental expenses. This fee must be paid before the student can join his classes, and no deductions are made for absence or late entrance.

Students provide their own books and stationery.

The Society expenses are small.

### DAILY ROUTINE.

The forenoon of each week day except Monday is occupied with recitations and lectures. In the afternoon take place the military exercises, work in the laboratories, on the farm and in the plant house, field work in surveying and engineering, and so much of the drawing as cannot be done in the forenoon.

The morning session opens with the Assembly, not earlier than 8 o'clock, and closes not later than 1 P. M. Brief and simple devotional exercises are held at the Assembly, and one or more rhetorical exercises are performed by members of the upper classes.

Students who room at a distance, are permitted to occupy a "Study Hall" during the hours in which they have no recitations.

### DISCIPLINE.

Students of the various Departments or Colleges are amenable to their respective Faculties.

The University presumes that every member intends to do his duty and to behave himself decently. Good order, courtesy, punctuality, and attentiveness, are established customs of the

University, which the student body takes pride in maintaining. The few cases of misdemeanor which occur are dealt with individually by the Faculties.

#### STUDENT SOCIETIES.

The following Literary Societies have been recognized by the General Faculty :

- The Students' Christian Association ;
- The Delta Sigma Society ;
- The Hermean Society ;
- The Philologian Society.

Each of the first three is provided with a room for its exclusive use.

The orator of the united literary societies for the year (1874-5) is Rev. D. Burt, State Superintendent of Public Instruction and Regent *ex officio*.

#### THE GEOLOGICAL AND NATURAL HISTORY SURVEY.

The University is charged by law with the work of the Geological and Natural History Survey of the State, under the direction of the Board of Regents. This survey has now been in progress three years, but has been confined principally to the geological portion of the work. The professors of the University are selected by the Regents for carrying on the various branches of the survey, and the General Museum is the repository and place of exhibition of the collections made during its progress.

The law creating this survey is comprehensive. It embraces not only a strictly geological survey, including a complete account of the rocks and minerals of the State, and their chemical analysis, but also a natural history survey, comprising an examination of all species of trees, shrubs, herbs and grasses, native or

naturalized, and a complete account of the animal kingdom, as represented in the State, including all mammalia, fishes, reptiles, birds and insects. It also orders the tabulation of meteorological statistics, and an investigation of the climatic peculiarities of Minnesota. It orders the collection of topographical and hypsometrical data, and the compilation of an accurate map, which, on the approval of the Governor, is to be the official map of the State. The law also requires an exhibition of all collections made during the progress of the survey, in the buildings of the University, for public inspection, free of cost, in well-warmed and furnished rooms. The Regents make annual reports of progress, and, on the completion of any portion of the work, final reports are to be made to the Governor.

The Legislature has made an annual appropriation of two thousand dollars, and has set aside the remainder of the State salt spring lands, for the prosecution of this work.

The geological survey, including the mineralogical and chemical investigations, now in progress, is placed in charge of the professor of Geology and Mineralogy, assisted by the professor of Chemistry.

The botanical and zoological investigations, not yet systematically undertaken, are also assigned to the charge of the professor of Geology and Mineralogy.

The topographical work, so far as it is carried on independently, is assigned to the professor of Civil Engineering.

The arranging, cataloguing and custody of the specimens, and their exhibition, are assigned to the Curator of the General Museum.

## SOCIETY OF ALUMNI.

## ARTICLES OF ASSOCIATION.

I. The Alumni of the University of Minnesota, in order to perpetuate fellowship among themselves and loyalty to their Alma Mater, and to promote in every proper way the prosperity of the University, hereby constitute themselves an association, to be known and styled as the "SOCIETY OF ALUMNI OF THE UNIVERSITY OF MINNESOTA."

II. All graduates of the University of Minnesota are entitled to membership in this society: all members of the General Faculty are honorary members.

III. This society shall meet annually, on the day before Commencement, at 10 o'clock in the forenoon.

IV. There shall be elected at each regular meeting the following officers for the ensuing year, to wit: a President and a Secretary and Treasurer.

V. This society has power to enact such By-laws as may be necessary to give these articles effect.

VI. These articles may be changed or enlarged at any regular meeting, by a majority vote of the members present.

## OFFICERS FOR 1875-6.

S. P. STARRITT, Monticello, President ;

HELEN MAR ELY, Mankato, Secretary and Treasurer.

THE COLLEGIATE DEPARTMENT.

## THE COLLEGIATE DEPARTMENT.

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### THE FACULTY.

This Department is under the immediate control of the General Faculty of the University. See page 13.

### STUDENTS, 1874-5.

#### *FIRST CLASS.*

CLASSICAL COURSE:—Messrs. Campbell, Childs, Currie E., Eustis Frank, Eustis Fred, Eustis J. B., Mahoney, Perkins, Savidge, Thayer M. D., Welles.

SCIENTIFIC COURSE:—Messrs. Hendrickson A. P., Irwin, Kassube, Quinn, Smith H. J.

MODERN COURSE:—Misses Campbell M. J., Parker, Rollit C. A.

#### *SECOND CLASS.*

CLASSICAL COURSE:—Messrs. Bryant J. C., Busch, Colwell, Foster, F. H., Lewis, Newton, Pritchard, Ward, West, Willes, Williams D.

SCIENTIFIC COURSE:—Alexander, Bushnell, Butts, Couillard C. A., Couillard F. L., Howe, Howell, Hurlbut, Marvin, Rose, Taylor M. D., Warren, Wedge, Wood, Young; Misses Getchell, Hall A. W., Rich, Robinson, Roe.

MODERN COURSE:—Messrs. Chamberlain, F. A., Le Blond; Misses Fuller, Kirkwood, Perkins, Wilcox H. J., Wilcox M. E.



*THIRD CLASS.*

CLASSICAL COURSE :—Messrs. Columbia, Hudgins, Kolkin, McCord, McKean, Thayer H. W., Thompson G. B.

SCIENTIFIC COURSE :—Messrs. Aldrich, Barrett, Barto, Bowman, Brackett, Brooks D. D., Bryant G. E., Buswell, Clark F. H., Collom, Day, Eastman, Goodrich C. G., Greer, Hale, Johnson J. F., Johnson S. P., Keating, McComb, McMurphy, Markell, Mealey, Nagle, Partridge, Piper, Preston Putnam, Rand, Thompson E. R.; Misses Brockway, Burns C. A., Burnes D., Gilbert, Hayes C. A., Hayes N., Hyde, Knaak J. W. M., Knaak, M. E., Newton, Shoppe, Town, West.

MODERN COURSE :—Messrs. Cole C., Hildreth, Keysor; Misses Cooney, Cowell, Linton, Pierson, Rollit Caroline.

*FOURTH CLASS.*

CLASSICAL COURSE :—Messrs. Brooks A. P., Bryant J. F., Cole A. J., Huy, McNulty, Palmer, Plant, Salls, Shillock, Williams, W. W.; Miss Knox.

SCIENTIFIC COURSE :—Berry F. C., Berry F. G., Bennett, Boylston, Chamberlain W. E., Cooney, Currie W. A., Davis, Dawley, Fairfield, Foster O., Foster H. W., Foster Wm., Goodrich, H., Granum, Greeley, Groenendyke, Gunderson, Henry, Hern, Hewes, Hinton, Holt, Hubbard, Jackman, Jackson, Laramy J. H., Laramy J. Y., Locke S. A., Locke D. A., Loring, Olsen, Peterson, Roe, Smith E. S., Smith F. A., Sterling, Trumble, Upton E. F., Upton W. A., Vincent; Misses Bragdon, Hall F. E., Hewes, Kelly, Mansfield, McLeod, Neher, Savage, Stanchfield, Stoneman, Thompson, Todd, Valentine, Whittier.

MODERN COURSE :—Messrs. Colburn, Horton, Thomas, Walker; Misses Campbell M. A., Clough, Coolbaugh, Lawrence, Parke, Perley.

SPECIAL STUDENTS :—Messrs. Goff, Heywood, Husher, Hulet, Johnson C. E., McLarty, McLellan, Reppy, Smith G. M., Taylor W. L., Thayer B., Wilcox, H. M.; Misses Childs, Dare, Johnson M. E., Maes, Reiheldaffer, Roberts, Secombe, Whitney.

#### ADMISSION.

The requirements for admission have been fully stated on pages 52, &c. See also page 64, "How to enter the University."

Candidates are requested to send their applications to the President as early as September 1st.

The regular entrance examinations begin on the second day of each University year. Candidates not presenting themselves at this time, apply in writing to the General Faculty for permission to be privately examined, stating satisfactory reasons for not attending at the proper time. For dates, see calendar, page 7. Examinations for entrance are commonly held at the beginning of the second and third terms, and in commencement week. Applicants for special studies in this Department are examined in the elementary branches named on page 52.

#### OBJECT.

The object of this Department is to furnish such discipline and information as will fit the student to pursue the higher academical studies of the COLLEGE OF SCIENCE, LITERATURE AND THE ARTS, or to enter upon the professional courses now offered in the COLLEGES OF AGRICULTURE AND MECHANIC ARTS, and hereafter to be offered in Colleges not yet opened.

#### COURSES OF STUDY.

There are three courses of study: the Classical, the Scientific, and the Modern. Each student completing a course receives a Final Certificate, which admits him to any appropriate College of the University, at the beginning of the Junior Year.

The following schedules do not include rhetorical, military, and other exercises, which are held according to appointment, from time to time.

The studies of the Fourth Class have been already given, under the head of "Requirements for Admission," on page 54.

THIRD CLASS.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Xenophon,— <i>Anabasis</i> . 2. Plane Geometry. 3. Cicero,— <i>Oration</i> s.	1. Natural Philosophy. 2. Plane Geometry. 3. { English, <i>Hgr. Grammar</i> , German,—( <i>begun</i> ), or Cicero,— <i>Oration</i> s, or Xenophon,— <i>Anabasis</i> .	1. German, ( <i>begun</i> ), 2. Plane Geometry. 3. { Natural Philosophy, or Cicero,— <i>Oration</i> s, or Xenophon,— <i>Anabasis</i> .
SECOND TERM.	1. Herodotus,— <i>History</i> . 2. Geology,— <i>Elements</i> . 3. Virgil,— <i>Æneid</i> .	1. Drawing, 2 hours.* (Geometrical.) 2. Geology,— <i>Elements</i> . 3. { Modern History, or German,— <i>Grammar</i> , or Virgil,— <i>Æneid</i> , or Herodotus,— <i>History</i> .	1. German,— <i>Grammar</i> . 2. Geology,— <i>Elements</i> . 3. { Modern History, or Virgil,— <i>Æneid</i> , or Herodotus,— <i>History</i> .
THIRD TERM.	1. Botany,— <i>Elements</i> . 2. Higher Algebra. 3. Virgil,— <i>Æneid</i> .	1. Botany,— <i>Elements</i> . 2. Higher Algebra. 3. { Modern History, or Virgil,— <i>Æneid</i> , or German,— <i>Selection</i> s.	1. German,— <i>Selection</i> s. 2. Higher Algebra. 3. { Modern History, or Virgil,— <i>Æneid</i> , or Botany,— <i>Elements</i> .

\*Required of whole class on: hour as an exercise.

## SECOND CLASS.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Homer,— <i>Iliad</i> . 2. { Solid Geometry, and Plane and Spherical Trigonometry. 3. Molecular Physics.	1. Molecular Physics. 2. { Solid Geometry, and Plane and Spherical Trigonometry. { English,— <i>Anglo Saxon</i> , or 3. { German,— <i>Schiller</i> , or Homer,— <i>Iliad</i> .	1. German,— <i>Schiller</i> . 2. { Solid Geometry, and Plane and Spherical Trigonometry. 3. { Molecular Physics, or Homer,— <i>Iliad</i> .
SECOND TERM.	1. Homer,— <i>Iliad</i> . 2. General Chemistry. 3. Livy,— <i>History</i> .	1. Draughting (2 hours). 3. General Chemistry. { Zoology,— <i>Elements</i> , or German,— <i>Goethe</i> , or 3. { Livy,— <i>History</i> , or Homer,— <i>Iliad</i> .	1. German,— <i>Goethe</i> . 2. General Chemistry. { Zoology,— <i>Elements</i> , or 3. { Livy,— <i>History</i> , or Homer,— <i>Iliad</i> .
THIRD TERM.	1. Grecian Antiquities. 2. Conic Sections and Surveying. 3. Livy,— <i>History</i> .	1. Applied Chemistry. 2. Conic Sections and Surveying. { English,— <i>Readings</i> , or German,— <i>Selections</i> , or 3. { Livy,— <i>History</i> , or Grecian Antiquities.	1. German,— <i>Prose Selections</i> . 2. Conic Sections and Surveying. { Applied Chemistry, or 3. { Livy,— <i>History</i> , or Grecian Antiquities.

FIRST CLASS.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Horace,— <i>Odes</i> and <i>Satires</i> .  2. Logic.  3. { French ( <i>begun</i> ) or Analytical Chemistry, or German ( <i>begun</i> ) or Military Engineering.	1. Mechanical Physics. 2. Analytical Chemistry.  3. Logic.  4. { French ( <i>begun</i> ), or Horace,— <i>Odes</i> , &c., or Military Engineering.	1. French ( <i>begun</i> ).  2. Logic.  3. { Analytical Chemistry, or Horace, <i>Odes</i> , &c., or Military Engineering.
SECOND TERM.	2. Demosthenes,— <i>Philippics</i> .  2. Descriptive Astronomy.  3. Horace,— <i>Satires</i> and <i>Epistles</i> .	1. Descriptive Geometry.  2. Descriptive Astronomy.  3. { French ( <i>continued</i> ) or Horace,— <i>Epistles</i> , or Demosthenes, or Military Engineering.	1. French ( <i>continued</i> ).  2. Descriptive Astronomy.  3. { Horace,— <i>Epistles</i> or Demosthenes, or Military Engineering.
THIRD TERM.	1. Greek,— <i>One Tragedy</i> .  2. Rhetoric.  3. { Zoology, or French,— <i>Selections</i> or German ( <i>continued</i> ).	1. Descriptive Geometry and Perspective.  2. Rhetoric.  3. { Zoology, or French,— <i>Selections</i> , or Greek,— <i>a Tragedy</i> .	1. French,— <i>Selections</i> .  2. Rhetoric.  3. { Zoology, or Greek,— <i>a Tragedy</i> .

## EXAMINATIONS,

In each term there are, in the Collegiate Department, two special examinations held at intervals of about four weeks, and one general examination, occurring at the end of the term. The scholastic standing of the students depends on their success in these examinations, the marks for which are so combined that the general examination has one-half the weight of the aggregate of the special examinations. The results are reduced to percentages, and an average term standing is deduced by dividing a student's total of per cents. by the whole number of his studies and exercises. Any student failing to attain an average of sixty per cent., is dropped from the roll of his class, and must enter the class below. Absentees from examinations apply in writing to the General Faculty for excuse: if excuse is granted, they are entitled to individual examinations equivalent to those undergone by their classes.

Students failing to pass in any study at the close of a term, are liable to be cited for re-examination at any time thereafter, either by the professor or by the faculty. And students so "conditioned" at the end of a year, are examined at the beginning of the next University year, at such times and places as may be announced on the morning of the second day. Conditioned students failing to attend such examinations must render satisfactory reasons in writing to the General Faculty, before joining their classes.

Students desiring to be examined in studies of classes above them, apply in writing to the General Faculty. Leave being granted, they attend, if practicable, the examinations of the advanced class; or if not, undergo examinations equivalent thereto.

Students who may have been absent from recitations for suffi-

cient reasons, are passed upon individual examinations, equivalent to those undergone by their classes.

These rules apply to special as well as to regular students.

All examinations are conducted in writing, but any professor or instructor may add such oral questions as he may deem proper.

### REGULATIONS.

The following regulations of the General Faculty are observed by the students of the Collegiate Department :

Students pledge themselves in their applications to be regular and punctual in attendance upon all proper duties and exercises.

All students of this department are required to attend the morning assembly. Absentees file their excuses, stating reasons, with the President.

Absentees from recitations or exercises, present their excuses in writing to the professor in charge, and file the same, with the professor's endorsement, in the president's office.

Students who have been unable to prepare for a recitation or exercise, present excuses in writing to the professor in charge, on entering the room.

Each student, whether regular or special, has three recitations a day (15 per week), beside rhetorical, military, and other exercises. The Faculty, upon application in writing, may, in their discretion, excuse a student from one or two studies, or may allow a fourth study.

A student conditioned in a study may take it as an extra, if the programme permit, and the president approve.

No change of course of study is allowed, except by vote of the General Faculty, to whom application must be made in writing.

Applications for changing a course, to drop a study, to take an extra study, and the like, are not entertained after the close of the second week of any term.

Unexcused absences, unexcused failures to prepare lessons, and misdemeanors, are recorded, and demerit marks are charged. When a student has accumulated 25 such marks, he receives a warning in private; when 50, notice is sent to his parent or guardian; at 75, a public warning is given; at 100, the student stands suspended.

N. B.—Applications to the Faculties should be written in ink, on LETTER PAPER, and folded  $3\frac{1}{4}$  inches wide.



THE COLLEGE OF  
Science, Literature and the Arts.

**THE COLLEGE OF SCIENCE, LITERATURE  
AND THE ARTS.**

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**THE FACULTY.**

The President :	HUGGINS,
Professors CAMPBELL,	WINCHELL,
WALKER,	PECKHAM,
BROOKS,	MOORE,
THOMPSON,	MASTON;
Assistant Professor LAING.	

**STUDENTS, 1874-5.**

*SENIOR YEAR.*

CLASSICAL COURSE.—Messrs. CASS, MINER, STARITT.

SCIENTIFIC COURSE.—Mr. STEWART.

MODERN COURSE.—Miss ELY.

*JUNIOR YEAR.*

CLASSICAL COURSE.—Messrs. CLARKE, J. S., HUTCHINSON,  
LEONARD W. E., SWEAT.

SCIENTIFIC COURSE.—Messrs. BROWN, CRAFTS, HYDE,  
LOCKE W. H., NIX, PRIBBLE; Miss BUTLER.

MODERN COURSE.—Mr. BASSETT.

### ADMISSION.

Applicants who have completed courses of study in the Collegiate Department, are entitled to admission to the corresponding courses of this College. Other applicants, if candidates for graduation, must pass equivalent examinations. Persons desiring to pursue special studies in this College, apply in writing to the Faculty, and submit to such tests as the professors concerned require.

### OBJECT.

This College is intended to furnish higher courses of LIBERAL studies, leading to the customary academical degrees. Much of the instruction is given by lectures, and in general the methods and discipline are those proper to UNIVERSITY students.

### COURSES OF STUDY.

There are three regular undergraduate courses, as given below. They are arranged according to the following principles :

1. The leading study of each course is characteristic.
2. There are in each course 15 hours per week of recitations, and lectures, beside rhetorical and other exercises, not shown in the schedules.
3. There are 10 hours per week of prescribed work, and at least 5 of optional or elective work.
4. The elective studies of any course are commonly the required studies of the other courses.

## JUNIOR YEAR.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Plato,— <i>Crito</i> , &c. 2. English Literature. 3. { Analytical Geometry and Calculus, or German, or French, or Analytical Chemistry or Art of War.	1. Analytical Geometry and Calculus. 2. English Literature. 3. { Plato,— <i>Crito</i> , &c., or German, or French, or Analytical Chemistry, or Art of War.	1. German,— <i>Schiller</i> . 2. English Literature. 3. { Plato,— <i>Crito</i> , &c., or Analytical Geometry and Calculus, or French, or Analytical Chemistry, or Art of War.
SECOND TERM.	1. Tacitus,— <i>History</i> . 2. { Comparative Philology(2) History of Civilization (3) 3. { Lithological Geology, or German (3) and English Literature,(2) or French, or Calculus ( <i>continued</i> ) or Military History.	1. Lithological Geology. 2. { Comparative Philology(2) History of Civilization (3) 3. { Tacitus,— <i>History</i> , or German(3) and English Literature (2) or French, or Calculus ( <i>continued</i> ) or Military History.	1. { German (3)*— <i>Schiller</i> . English Literature (2) 2. { Comparative Philology(2) History of Civilization (3) 3. { Tacitus,— <i>History</i> , or Lithological Geology, or French, or Calculus, or Military History.
THIRD TERM.	1. { Greek, <i>Lectures on Art</i> . Latin,— <i>Juvenal</i> . 2. Psychology. 3. { Historical Geology, or German 3 and English Literature. 2 or French, or General Theory of Equations, and Modern Geometry, or Analytical Chemistry or Military Law.	1. Historical Geology. 2. Psychology 3. { Greek and Latin, or German 3 and English Literature, 2 or French, or General Theory of Equations, and Modern Geometry, or Analytical Chemistry or Military Law.	1. { German (3)— <i>Goethe</i> . English Literature (2) 2. Psychology. 3. { Historical Geology, or Greek and Latin, or French, or General Theory of Equations, and Modern Geometry, or Analytical Chemistry, or Military Law.

The \* indicates the number of exercises per week when other than five.

SENIOR YEAR.

	CLASSICAL COURSE.	SCIENTIFIC COURSE.	MODERN COURSE.
FIRST TERM.	1. Plautus, <i>Captives</i> , &c.	1. Practical Astronomy.	1. Elements of Criticism.
	2. Ontology and History of Philosophy.	2. Ontology and History of Philosophy.	2. Ontology and History of Philosophy.
	3. { Practical Astronomy, or Elements of Criticism, or French, or Scandinavian Languages, or Analytical Chemistry.	3. { Plautus,— <i>Captives</i> , or Elements of Criticism, or French, or Scandinavian Languages, or Analytical Chemistry.	3. { Plautus,— <i>Captives</i> , or Practical Astronomy, or or French, Scandinavian Languages, or Analytical Chemistry.
SECOND TERM.	1. { Aristotle,— <i>Ethics</i> . Greek Literature.	1. American Constitution.	1. American Constitution.
	2. Ethics and Evidences.	2. Ethics and Evidences.	2. Ethics and Evidences.
	3. { American Constitution, or German, or Italian.	3. { German, or Aristotle and Greek Literature, or Italian.	3. { German, or Aristotle and Greek Literature, or Italian.
THIRD TERM.*	1. Political Economy.	1. Political Economy.	1. Political Economy.
	2. { International Law, (2) Fine Arts, (1) Sanitary Science, (1)	2. { International Law, (2) Fine Arts, (1) Sanitary Science, (1)	2. { International Law, (2) Fine Arts, (1) Sanitary Science, (1)
	2. { Natural Theology, (2) Greek, (1) Latin, (1) Modern Languages. (2)	2. { Natural Theology, (2) Greek, (1) Latin, (1) Modern Languages. (2)	2. { Natural Theology, (2) Greek, (1) Latin, (1) Modern Languages. (2)

\*In the Third Term the student may take any, all or none of the subjects numbered 2.  
For Rhetorical Exercises see page 46.

**GRADUATION.**

Students completing courses of study to the satisfaction of the Faculty of the College, are entitled respectively to receive the appropriate baccalaureate degrees, to wit: Bachelor of Arts, Bachelor of Science, Bachelor of Literature.

Any person may undergo the examination in any subject, and if such person pass in all the studies and exercises of a course, he is entitled to the appropriate degree.

Special students receive certificates for successful examinations.

**EXAMINATIONS.**

The proficiency of students of this College in the various departments of instruction, is ascertained by means of examinations only. These take place at the end of each term, and are conducted in writing. The results are estimated on a scale of one hundred. The merit of the rhetorical and other exercises are reduced to the same scale at the end of each term. A minimum mark of 75 per cent. in each study and exercise is necessary to "pass."

**REGULATIONS.**

Students of this college are expected to attend the morning assembly, and are required to be present when appointed to deliver public rhetoricals.

Absentees from lectures, recitations, and other duties, report their excuses to the professors concerned. Five unexcused absences in any term debar a student from the examination in any department of instruction.

No student may have less than fifteen hours of work per week, unless by consent of the Faculty.

The College of Mechanic Arts.

## THE COLLEGE OF MECHANIC ARTS.

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### THE FACULTY.

The President; Professors THOMPSON, WINCHELL, RHAME, PECKHAM, MARSTON; Mr. PECK.

### STUDENTS, 1874-5.

SENIOR YEAR.—Messrs. LEONARD H. C., RANK, THAYER, C. E.

JUNIOR YEAR.—Messrs. FURBER, GILLETTE, HENDRICKSON, E. A., PARDEE.

### ADMISSION.

Applicants who have completed the Scientific Course of the Collegiate Department, are entitled to admission without further examinations. Other applicants, if candidates for graduation, must pass satisfactory examinations in all the studies of that course. Applicants for special studies in this College are admitted to the classes, if competent in the judgment of the professors concerned, to receive the instruction.

### OBJECT.

The aim of the instruction given in this College is to lay a broad and solid foundation in Mathematics, Mechanics and Drawing, so that with the practice in field, shop and office work, given to the students in the respective courses, they shall be fitted for immediate usefulness upon graduation, and after a moderate amount of subsequent practice and experience, be capable of taking charge of important works.



#### METHODS OF INSTRUCTION.

Instruction in the several subjects pertaining to Civil and Mechanical Engineering and Architecture, is given by text-books, lectures, reading in the general library, and practical exercises—the theory being applied in the solution of practical problems, and the construction of original drawings.

The College possesses a good compass, transit instrument, level and a variety of measures; ample opportunity is afforded to become familiar with their use in actual field operations.

Descriptive Geometry taught in the Collegiate Department, preparatory to several studies in the different courses in this College, is illustrated by means of a full set of the beautiful models made by Schröder, of Darmstadt, Germany. Together with these were imported several models of roofs and bridges, by the same maker, to serve as guides to students in Architecture and Bridge Building, who, to fix the principles learned in the class room, are required to make trusses and other constructions.

A beginning has been made in fitting up a shop for the accommodation of students in Mechanical Engineering. The University possesses a lathe, with the necessary tools, to which additions will be made as fast as practicable.

Field practice is a portion of the regular course in Civil Engineering. The classes in Surveying are drilled in the actual work of lotting out and measuring land, as well as in the solution of various geometrical and trigonometrical problems, from data taken by members of the classes themselves. The classes in Railroad Engineering have practice in laying out curves, taking levels, cross-sectioning, staking out—in fact, in all the work of locating a railroad line, from the preliminary survey up to the point of actual construction.

## COURSES OF STUDY.

Three regular undergraduate courses have been organized upon the following data:

1. There are fifteen lectures or recitations per week, besides drawing, field and shop work, and the rhetorical and other exercises.

2. As a general rule, there are ten hours per week of prescribed work, and five of elective.

3. The "electives" are chosen from corresponding years and terms of this and other colleges.

## JUNIOR YEAR.

	CIVIL ENGINEERING.	MECHANICAL ENGINEERING.	ARCHITECTURE.
FIRST TERM.	1. { Higher Surveying and Leveling. Topographical Drawing. 2. Differential Calculus. 3. Elective.	1. { Machinery,—Use of Lathe, &c. Mechanical Drawing. 2. Differential Calculus. 3. Elective.	1. { History of Architecture. Architectural Drawing. 2. Differential Calculus. 3. Elective.
SECOND TERM.	1. { Analytical Mechanics. Shades, Shadows and Perspective. 2. Integral Calculus. 3. Lithological Geology.	1. { Analytical Mechanics. Shades, Shadows and Perspective. 2. Integral Calculus. 3. Lithological Geology.	1. { Analytical Mechanics. Shades, Shadows and Perspective. 2. Integral Calculus. 3. Elective.
THIRD TERM.	1. Geodesy, with field practice. 2. Gen. Theory of Equations and Mod. Geometry. 3. Elective.	1. Motors,— <i>Hydraulic, Steam, &amp;c.</i> 2. Gen. Theory of Equations, and Mod. Geometry. 3. Elective.	1. Constructions, with Drawing. 2. Ventilation and Heating. 3. Elective.

## SENIOR YEAR.

	CIVIL ENGINEERING.	MECHANICAL ENGINEERING.	ARCHITECTURE.
FIRST TERM.	1. Field Engineering,— <i>Railway Work, with Drawing.</i> 2. Applied Mechanics,— <i>(Strength and Stress of Materials)</i> 3. Practical Astronomy.	1. Machinery, <i>with drawing.</i> 2. Applied Mechanics,— <i>(Strength and Stress of Materials.)</i> 3. Practical Astronomy.	1. Architectural Designing— <i>with drawing.</i> 2. Applied Mechanics,— <i>(Strength and Stress of Materials.)</i> 3. Elective.
SECOND TERM.	1. Engineering Structures,— <i>(Framing, Bridges, &amp;c.)</i> 2. Stereotomy, <i>with drawing.</i> 3. Elective.	1. Mechanical Constructions. 2. Stereotomy, <i>with drawing.</i> 3. Elective.	1. Engineering Structures,— <i>(Framing, Roofs, &amp;c.)</i> 2. Stereotomy, <i>with drawing.</i> 3. Elective.
THIRD TERM.	1. Building Materials,— <i>(Woods, Stones, Bricks, Mortars and Cements).</i> 2. Analytical Mechanics. 3. Elective.	1. Building Materials,— <i>(Woods, &amp;c.)</i> 2. Analytical Mechanics. 3. Elective.	1. Building Materials,— <i>(Woods, &amp;c.)</i> 2. Specifications, Estimates, &c. 3. Elective.

For Rhetorical exercises see page 46.

## GRADUATION.

Students completing the foregoing courses to the satisfaction of the Faculty, are entitled respectively to receive the appropriate baccalaureate degrees, to wit: Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, Bachelor of Architecture.

Special students receive certificates for successful examinations in the branches pursued. Any person is entitled to undergo the the examination in any subject, and if such person pass in all the studies and exercises of any course, he is entitled to the appropriate degree.

**EXAMINATIONS.**

The proficiency of students in this College is ascertained by examinations conducted in writing, at the close of each term. These are estimated on a scale of one hundred. The marks for rhetorical and other exercises are reduced to the same scale at the close of each term. A minimum of 75 per cent. in each study, and exercise, is necessary to "pass."

**REGULATIONS.**

Students of this College are expected to attend the Morning assembly, and are required to be present when appointed to deliver public rhetorical.

Absentees from lectures, recitations and other duties, render excuse to the professor concerned. Five unexcused absences in any term debar from the examinations in that department of instruction.

No student may have less than 15 hours' work per week, without leave of the Faculty.

The College of Agriculture.

**THE COLLEGE OF AGRICULTURE.**

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**THE FACULTY.**

The President :	RHAME,
Professors THOMPSON,	PECKHAM,
HUGGINS,	MOORE,
WINCHELL,	MARSTON :
Assistant Professors LAING and LACY (Secretary.)	

*1. THE REGULAR UNDERGRADUATE COURSE.***ADMISSION.**

This course properly follows the Scientific Course of the Collegiate Department, but it may also follow either of the other courses of that Department, or the Elementary Course in Agriculture. Applicants who have completed any one of these courses are therefore entitled to admission to this college. Other applicants, if candidates for graduation, must be examined in the same or in equivalent studies.

**OBJECT.**

The studies and exercises of this course are designed to give to students already well-instructed in liberal studies and in general science, special training in the sciences related to Agriculture, including their practical application.

REGULAR [OR UNIVERSITY] COURSE.

Junior Year.

FIRST TERM.	SECOND TERM.	THIRD TERM.
1. Agricultural Chemistry. ( <i>Composition of Plants and Soils.</i> )	1. Agricultural Chemistry, ( <i>Analysis of Soils.</i> )	1. Agricultural Chemistry. ( <i>Analysis of Fertilizers and Foods.</i> )
2. Agricultural Botany and Landscape Gardening.	2. Horticulture.	2. Arboriculture and Economic Entomology.
3. <i>Electives.*</i>	3. <i>Electives.</i>	3. <i>Electives.</i>

Senior Year.

FIRST TERM.	SECOND TERM.	THIRD TERM.
1. Practical Agriculture. ( <i>Soils and Fertilizers.</i> )	1. Practical Agriculture. ( <i>Farm Crops.</i> )	1. Practical Agriculture. ( <i>Farm Animals.</i> )
2. Comparative Anatomy and Physiology.	2. Veterinary Medicine and Surgery.	2. Economics. ( <i>Accounts, &amp;c.</i> )
3. <i>Electives.</i>	3. <i>Electives.</i>	3. <i>Electives.</i>

\*The Electives are to be chosen from the studies of corresponding terms and years of other colleges. Rhetorical exercises are required in same amount as in other colleges, see p. 46.

Students completing the above course to the satisfaction of the Faculty, are entitled to receive the degree of Bachelor of Agriculture.

SCOPE OF INSTRUCTION.

IN AGRICULTURAL CHEMISTRY.—A thorough study of Prof. Johnson's two books, "How Crops Grow" and "How Crops Feed," and a course in the analysis of soils, fertilizers, grains and fodders.

IN AGRICULTURAL BOTANY.—Botanical characters, properties and peculiarities of those natural orders containing plants of interest to the farmer and horticulturist, together with a special study of the most important individuals of these orders.

IN ECONOMIC ENTOMOLOGY.—Brief general view of the animal kingdom, general characters of insects; characters and peculiarities of those families containing useful or injurious members; together with a special study of the most important individuals of these families.

IN HORTICULTURE.—Relations of heat, light, moisture and food to plant growth; and the means of controlling their supply and intensity; plant houses, hot beds, &c.; soils and manures, and their manipulation; propagation of plants; grafting, budding, pruning, training, &c.; planting and transplanting; hybridizing, crossing and selecting; cultivation of the apple, pear, plum and other large fruits; cultivation of the currant, strawberry, raspberry, cranberry and other small fruits; kitchen gardening, market gardening and floriculture.

IN ARBORICULTURE.—Reasons for planting forest trees; what trees to plant; methods of propagating; care in the nursery; special culture of each species.

IN LANDSCAPE GARDENING.—The different systems and their adaptations; principles of the art; desirable effects and how to secure them; undesirable effects, and how to avoid them.

IN PRACTICAL AGRICULTURE.—History of Agriculture; brief review of chemical composition and physical properties of air and water as related to the soil and vegetation; the chemical constituents and practical classification of soils; properties, peculiarities, treatment and adaptations of each kind; reclamation and improvement of soils, including drainage, subsoiling, trenching, altering, fallowing, paring and burning, preparatory tillage, roadmaking, and fencing; manufacture, preservation and application of manures and stimulants; green manuring and irrigation; farm implements and machinery; history, growth, general management and sale of the different farm crops; the different breeds of farm animals, their characteristics and adaptations; breeding, rearing, feeding



and management for the different purposes to which each is suited ; selection and purchase of farms ; the situation, relative position, size and internal arrangements of farm buildings, and their adaptation to the purposes for which intended ; different systems of farm economy, and circumstances governing their adoption ; rotations and sequence of farm operations ; farm accounts.

IN COMPARATIVE ANATOMY AND PHYSIOLOGY.—Anatomy, physiology and hygiene of the domestic animals.

IN VETERINARY MEDICINE AND SURGERY.—Prevention and treatment of diseases and injuries of the domestic animals.

ECONOMICS.—Grain raising, stock raising, dairying, general farming, fruit culture, market gardening and other specialties ; legislation relating to agriculture ; relations of agriculture to commerce, manufactures, labor, government, taxation, &c.

TEXT BOOKS AND BOOKS OF REFERENCE.—Johnson's *How Crops Grow and How Crops Feed* ; Caldwell's *Agricultural Chemical Analysis* ; Thomas's *American Fruit Culturist* ; Fuller's *Small Fruit Culturist* ; Bryant's *Forest Trees* ; Chaveau's *Anatomy of the Domestic Animals*, Gray's *Systematic Botany*, Darlington's *American Weeds and Useful Plants* ; Downing's *Landscape Gardening* ; Loudon's *Horticulturist* ; Downing's *Fruits and Fruit trees of America* ; Harris's *Insects Injurious to Vegetation* ; Entomological reports ; Morton's *Cyclopedia of Agriculture* ; Stephens's *Book of the Farm* ; Allen's *New American Farm Book* ; Allen's *American Cattle* ; Randall's *Practical Shepherd* ; Harris on the *Pig* ; Gamgee's *Domestic Animals in Health and Disease* ; Stonehenge's *The Horse in the Stable and the Field*.

## II. THE ELEMENTARY COURSE.

STUDENTS, 1874-5.—Messrs. Griswold and Scott.

This course agrees in the main with the Scientific Course of the Collegiate Department, but differs from it in the substitution of some Natural Sciences and practical instruction for Languages and Mathematics in the latter part. The requisites for admission are the same as for admission to the Collegiate Department. See page 52.

## ELEMENTARY COURSE.

CLASS.	FIRST TERM.	SECOND TERM.	THIRD TERM.
IV.	1. Physical Geography. 2. English Composition. 3. History of England.	1. Natural Philosophy. 2. Algebra. 3. Study of Words,— <i>Trench</i> .	1. Physiology. 2. General History. 3. Elem't'y Astronomy.
III.	1. Natural Philosophy. 2. Plane Geometry. 3. { Higher English Grammar or German,	1. Elements of Geology. 2. Mechanical Drawing. 3. { Modern History, or German.	1. Botany. 2. Higher Algebra. 3. { Modern History, or German.
II.	1. Molecular Physics. 2. Solid Geometry and Trigonometry. 3. { English,— <i>Anglo Saxon</i> , or German.	1. General Chemistry. 2. Elements of Zoology. 3. { Drawing, or German.	1. Applied Chemistry. 2. Surveying and Farm Drainage. 3. { English,— <i>Readings</i> . German.
I.	1. Mechanical Physics. 2. Analytical Chemistry. 3. Agricultural Botany and Landscape Gardening. 4. { Military Engineering, or French.	1. Practical Agriculture. ( <i>Farm Crops</i> ) 2. Horticulture. 3. { Military Engineering, or French.	1. Practical Agriculture. ( <i>Farm Animals</i> .) 2. Rhetoric. 3. { Zoology, or French.

Ancient languages optional.

So far as practicable the students of this department recite with the classes of the Collegiate Department. The same rhetorical, military and other exercises are required as in that department.

While the above schemes indicate when regular and systematic instruction in the different studies will be given, instruction in PRACTICAL agriculture and horticulture will be given at various times throughout the whole course. The farm and gardens will be made to afford every possible facility for observation and practice, and enough of the latter will be required of all regular students in this Department to give them skill in the different operations of the farm and gardens.

### *III. SPECIAL COURSES.*

While the above courses of study are provided for those who desire a systematic education in scientific Agriculture, the Board of Regents provide in their By-Laws for the ADMISSION OF ANY PERSONS TO ANY CLASS upon the sole condition that they appear to be competent to receive the instruction. Thus are the doors of THE COLLEGE OF AGRICULTURE thrown wide open to all disposed and qualified to profit by its instruction.

### *IV. THE FARMERS' LECTURE COURSE.*

This course is specially designed to meet the wants of farmers and others who desire scientific and practical information relating to their calling, and whose business prevents them from spending an entire year away from home. These lectures will extend through ten weeks, two being given on each of five days in the week, while exercises equivalent to a third lecture will be given in Practice in the Chemical Laboratory, in Drawing, in Farm Accounts, or in Reading in the Library.

The instruction given will be both scientific and practical. The former will include Agricultural Chemistry, Botany, Physiology, Entomology, Geology and Mechanics, and will be given

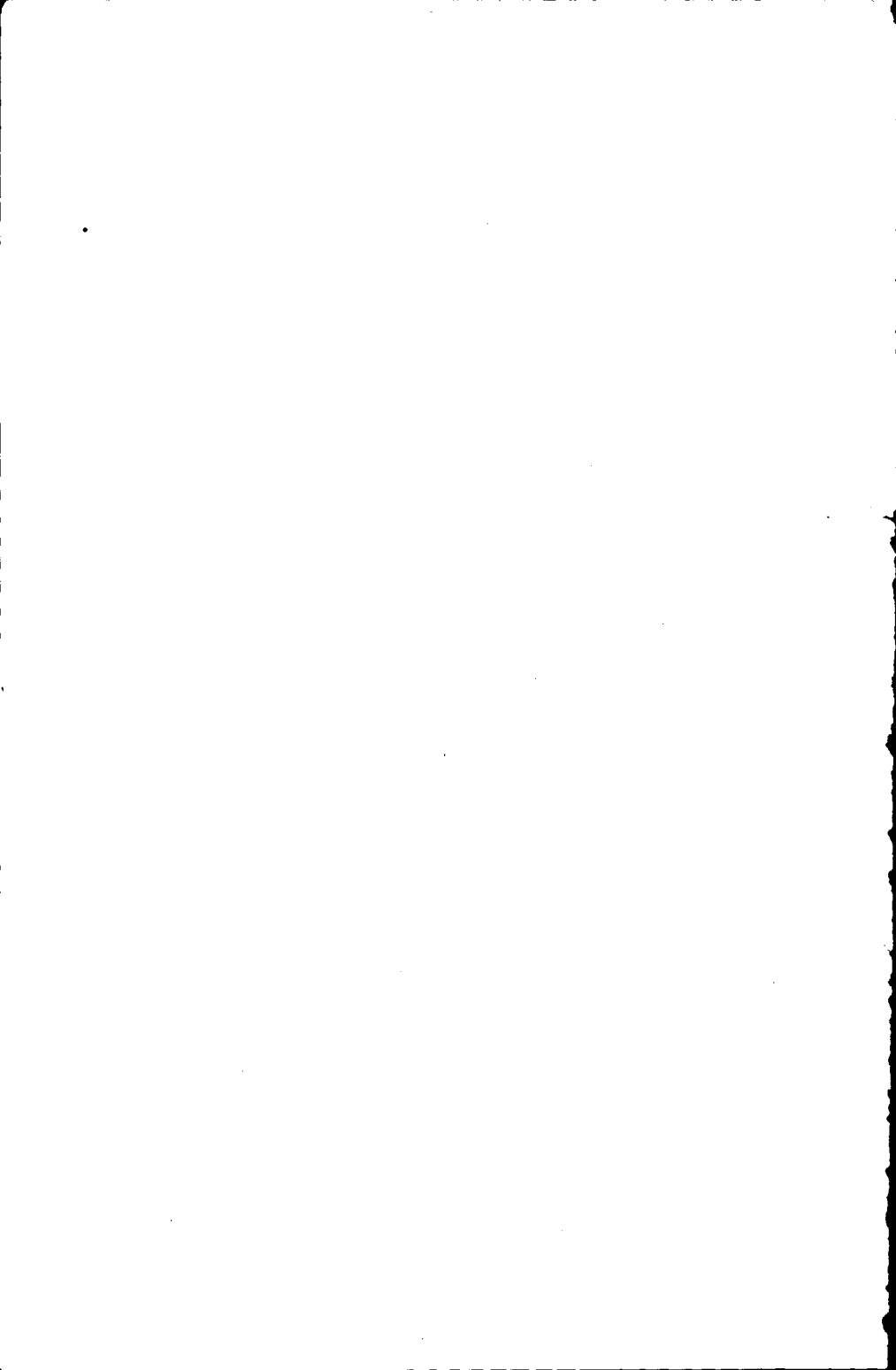
by those professors who have these departments in charge in the University. The latter will include the Improvement of Soils by Drainage, Subsoiling, Trenching, Plowing, Rotations, Manures, &c., Grain Raising, Stock Raising, Dairying, Fruit Culture, Forest Culture, Farm Accounts, and Rural Architecture, and will be given by the Professor of Agriculture and by men who have become successful and noted in these special departments.

No fees, examinations, or other conditions will be imposed for admission to this course, but its advantages will be ABSOLUTELY FREE to all.

NOTICE.

The above course of lectures will be given next year, (1875-6) provided that by first day of November, 1875, thirty persons not members of any class in the University shall have signified to Professor Chas. Y. Lacy their intention to attend this course.

## Appendices.



# APPENDIX A.

## REVISED BY-LAWS

FOR THE GOVERNMENT OF THE UNIVERSITY OF MINNESOTA. ENACTED  
BY THE BOARD OF REGENTS, JULY 30th, 1874.

### CHAPTER I.

#### ARTICLE I.—OF THE FACULTIES.

SECTION 1. The General Faculty of the University shall consist of the president and professors, and of such assistant professors as may be appointed by the Board of Regents to the head of departments of instruction. Faculties.

SECTION 2. The General Faculty shall have control of all matters pertaining to the Department of Elementary Instruction, and have power to direct and control all the general interests pertaining to the internal affairs of the University (subject to the revision of the Board of Regents, to whom the action of the said Faculty upon all important matters shall from time to time be submitted) except so far as said interests may fall under the supervision of the several special faculties. Powers of  
General  
Faculty.

SECTION 3. The several special faculties of the University shall have control and direction of the interests of their respective colleges or departments, except such matters as may be relegated to the General Faculty by the by-laws or by the Board of Regents. Special  
Faculty,  
Powers.

SECTION 4. The president of the University shall be the presiding officer of all the faculties, but in his absence the senior professor present shall preside. Presiding  
Officer.

SECTION 5. Each faculty shall elect its secretary annually at its first regular meeting. Secretary.

SECTION 6. The several faculties shall fix the times of their regular meetings other than the first; special meetings may at any time be called by the president, in his discretion, or upon application in writing of two professors. At special meetings no business shall be in order except such as may have been stated in the call. Meetings.

SECTION 7. The first regular meeting of the General Faculty shall be on the first day of the first term of each year, at 9 o'clock A. M. All officers of instruction, of whatever grade, whether members of the General Faculty or not, shall attend this meeting.

SECTION 8. The special faculties shall hold their first regular meetings of each year on the first day of the first term, at the call of the president of the University.

SECTION 9. In the respective faculties a majority of votes shall constitute a quorum, and upon call of any member the ayes and noes shall be taken and entered upon the records. Quorum.

SECTION 10. Each member of the General Faculty shall have one vote, except when questions pertaining to the Department of Elementary Instruction are voted upon; then each professor shall have two votes. Votes.

*University of Minnesota.*

and each assistant professor one vote. In the several special faculties each professor shall have two votes and each assistant professor one vote. The president shall have the casting vote in all cases, and if at any time he be charged with the duties of a professorship, he shall be entitled to his vote or votes accordingly.

Asst. Profs  
rights of.

SECTION 11. Assistant professors that may have been assigned to duty in the Department of Elementary Instruction by the Board of Regents, or during their recess by the president of the University, may sit with the General Faculty, and shall have all the rights and privileges of other members of that Faculty, upon all questions pertaining to the Department of Elementary Instruction.

ARTICLE II.—OF THE OFFICERS.

President  
duties of.

SECTION 1. The president of the University, as the chief executive officer of the University shall see that all the laws and regulations of the Board of Regents for the government of the University, and all the rules and regulations of the several faculties in accordance therewith, be carefully executed; in all cases when an emergency may arise in the administration of the affairs of the University, the president shall, in his discretion, adopt such measures as he may deem expedient and necessary for the best interests of the University; he may keep and use an official seal, and appoint a secretary; he shall promptly communicate to any faculty any information they may require, unless in his opinion the interests [of the University] demand that it be withheld; he shall edit and publish the Annual Calendar, subject to the revision of the Executive Committee of the Board of Regents; and shall perform such other duties consistent with his office as the Board of Regents may prescribe.

SECTION 2. Whenever the action of any faculty shall, in the judgment of the president of the University, be at variance with the plans and policy of the Board of Regents, or otherwise prejudicial to the welfare of the University, and he shall so declare in writing to the secretary of said faculty, the said action shall not take effect until it shall have been submitted to the Board of Regents, and shall have been approved by them; and it shall be the duty of the president of the University promptly to make a full report of the transaction, together with the reasons for his action, to the president of the Board of Regents.

Professors  
powers of.

SECTION 3. The professors shall have general superintendence of every thing pertaining to instruction in their respective departments, and shall be responsible for the successful management of them; each professor shall have control and charge of the special apparatus of his department, and be responsible for the same.

Asst. Profs  
powers of.

SECTION 4. Assistant professors and other instructors shall be responsible for the order and progress of their respective classes.

Textbooks

SECTION 5. Each professor shall select the text books to be used in his department, subject to the action of the Board of Regents; and if, in the judgment of the president of the University, any text book be prejudicial to the interests of the University, he shall bring such fact to the notice of the Board.

Seniority.

SECTION 6. The order of the seniority of professors and assistant professors shall be determined by the dates of their first elections.

Reports.

SECTION 7. On or before the first day of November in each year, the professors shall make reports to the president, of the condition and



progress of their respective departments, to which they may add such suggestions and recommendations as they may deem proper.

SECTION 8. The duties of departments shall be so distributed among the instructors as to give to all equal employment as nearly as may be according to rank. Equalization of work.

SECTION 9. All officers of the University shall have authority, and it shall be their duty, to suppress disorder among the students in or about the University premises. Order.

SECTION 10. Any instructor or professor, of whatever rank, expecting to be absent temporarily, shall notify the president of the University. Absences.

ARTICLE III.—OF GENERAL REGULATIONS.

SECTION 1. The University year shall begin in September and end in June, and shall be divided into three terms to be designated as the First, Second, and Third Terms. The First Term shall be fourteen weeks in length; the Second shall be twelve weeks, and the Third Term twelve weeks. The First Term shall end on the Thursday preceding the 24th day of December. The Second Term shall begin on the first Tuesday following the second day of January. The Third Term shall begin on the second Tuesday following the end of the Second Term. University Year.

SECTION 2. Such general devotional exercises shall be held in the University as the General Faculty may direct.

SECTION 3. Students of all departments shall pay to the treasurer of the University, or his agent, an annual fee of five dollars for incidental expenses; which sum shall be payable before admission to recitations, and no reduction shall be made for late entrance nor for absence. Fees.

SECTION 4. Any student desiring to leave the University for sufficient reasons, before the completion of his course, may receive from the president a certificate of dismissal, which shall set forth his general scholarship and deportment. Dismissals

SECTION 5. The punishments to be used in the University shall be demerit marks; warnings or reprimands in private, in presence of the offender's class or section, or in public; suspension, indefinitely or for a stated time by the president, or by order of a faculty; expulsion by vote of the General Faculty; and reduction to the ranks, of officers and non-commissioned officers in the Military Corps. In case of suspension the student shall have the right of appeal to the General Faculty within twenty days after notice of suspension. Penalties.

SECTION 6. No society or body of students in the University shall hold any public entertainment, nor invite any person to deliver before them a public lecture or address without first obtaining permission so to do of the General Faculty. Entertainments.

SECTION 7. No professor shall receive any person into his classes who is not properly registered as a student of the University. Students to register.

SECTION 8. It shall be the duty of all instructors, of whatever rank, to keep careful accounts of the attendance, conduct, progress, and final proficiency of the students instructed by them, in each and every study, and to make reports at such time and in such form as may be prescribed by the faculties of the various departments and colleges, respectively. The said faculties shall prescribe by what means and in what manner Standing

the progress and proficiency of students shall be ascertained, by regulations which shall be uniform in each department or college. It shall be the duty of the Registrar to cause the said reports to be consolidated, and filed for preservation. All students shall be reported to and for the department or college in which they are enrolled, and in such form as the respective faculty may have prescribed. All reports of assistant professors and instructors shall be made through the professor in charge of the department of instruction in which they may be employed.

✓ / Diplomas

SECTION 9. All diplomas shall be signed by the president of the University, and by all professors in charge of departments of instruction in the college from which the student is graduated.

Supt. of Buildings & grounds, duties of.

SECTION 10. The Superintendent of Buildings and Grounds shall have the custody of the grounds and all buildings and structures thereon, and shall oversee all repairs, alterations, and improvements, under the direction of the Executive Committee of the Board of Regents.

#### ARTICLE IV.—OF THE LIBRARY AND MUSEUM.

Librarian, duties of.

SECTION 1. The librarian shall have the custody of the Library and Reading Room of the University, and shall suffer them to be consulted under such rules and restrictions as the Board of Regents may prescribe.

Selection of books.

SECTION 2. The General Faculty shall select the works to be purchased out of the standing appropriations for the increase of the Library and Reading Room, and they shall decide upon the acceptance of all donations to the Library and Reading Room, and no works shall be placed therein until authorized by them.

Curator of Museum, duties of.

SECTION 3. The curator of the Museum shall have the custody of the Museum, and shall classify and arrange its contents according to the most approved methods, and shall suffer the same to be inspected under such rules and restrictions as the Board of Regents may prescribe.

#### CHAPTER II

#### OF THE COLLEGE OF SCIENCE, LITERATURE AND THE ARTS.

Faculty.

ARTICLE I. The Faculty of this College shall consist of the president of the University, *ex officio*, of the professors employed in and for the College, and of such other professors and assistant professors as may be assigned to duty in the College by the Board of Regents.

Courses.

ARTICLE II. There shall be three regular undergraduate courses of studies, extending over a period of two years, to be designated, respectively, the COURSE IN SCIENCE, the COURSE IN LITERATURE, and the COURSE IN ARTS. The instruction shall be conducted by the Faculty according to such schedules as may from time to time be adopted by the Board of Regents. The Course in Literature shall be otherwise known as the "Modern Course." There shall be such special and post-graduate courses of instruction as may be authorized by the Board of Regents. There shall be such exercises in writing and speaking throughout, as the Faculty may prescribe. In each course there shall be two required studies throughout, and so many elective studies as may be deemed advisable. Each student shall pursue at least one of the elective subjects. No student shall have fewer than three studies unless by permission of the Faculty.

ARTICLE III. Applicants for admission who bring a final certificate from the Collegiate Department, are admitted without further examination. Other applicants must pass examinations in all the studies of of that course of the Collegiate Department corresponding to the one they propose entering upon respectively in this College. Real equivalents only shall be accepted.

Admission

ARTICLE IV. The Degrees of Bachelor of Arts, Bachelor of Science, Bachelor of Literature, shall be conferred upon recommendation of the Faculty, upon such students as shall have passed a course of study to their satisfaction. But any person may undergo examination in any subject, and if successful, shall receive a certificate to that effect. And if such person pass in all the studies of a course, he shall be entitled to the appropriate degree.

Degrees and Certificates.

### CHAPTER III.

#### OF THE COLLEGE OF AGRICULTURE.

ARTICLE I. The Faculty of this College shall consist of the president [of the University], *ex officio*, of such professors and assistant professors as may be employed in and for this College, and of such other professors and assistant professors as may be assigned to duty in this College by authority of the Board of Regents.

Faculty.

ARTICLE II. The regular undergraduate course of instruction shall extend over a period of two years. The instruction shall be conducted according to such schedules as may from time to time be authorized by the Board of Regents. There shall be such other special and post-graduate courses of instruction as may be authorized by the Board of Regents. There shall be such exercises in writing and speaking as the Faculty shall direct.

Courses.

ARTICLE III. Applicants for admission to the regular undergraduate course of instruction who bring a final certificate for the Scientific Course of the Collegiate Department are admitted without further examinations. Other applicants must pass examinations in all the studies of the Scientific Course of the Collegiate Department. Only real equivalents shall be accepted.

Admission

ARTICLE IV. Students who complete a course of study to the satisfaction of the Faculty, will, upon their recommendation, receive the degree of Bachelor of Agriculture; but any person, not a candidate for this degree, who may appear to be competent to receive the instruction, may attend the classes and undergo the examinations in any subjects, and, if successful, will receive a certificate to that effect.

Degrees and Certificates.

### CHAPTER IV.

#### OF THE COLLEGE OF MECHANIC ARTS.

ARTICLE I. The Faculty of this College shall consist of the president [of the University], *ex officio*, of such professors and assistant professors as may be employed in and for this College, and of such other professors and assistant professors as may be assigned to duty in this College by authority of the Board of Regents.

Faculty.

ARTICLE II. There shall be three regular undergraduate courses of instruction, extending over a period of two years, to wit:

Courses.

- A Course in Civil Engineering;
- A Course in Mechanical Engineering;
- A Course in Architecture.

The instruction shall be conducted by the Faculty of the College, according to such schedules as may from time to time be authorized by the Board of Regents. There shall be such special and post-graduate courses of instruction as may be authorized by the Board of Regents.

There shall be such exercises in writing and speaking as the Faculty may direct.

Admission

ARTICLE III. Applicants who bring a final certificate for the Scientific Course of the Collegiate Department shall be admitted without further examination. Other applicants must pass examinations in all the studies of the Scientific Course aforesaid. Only real equivalents will be accepted.

Degrees and Certificates.

ARTICLE IV. Students who complete a course of study, and pass the required examinations to the satisfaction of the Faculty, shall, upon their recommendation, be entitled to receive the degree of Bachelor of Civil Engineering, Bachelor of Mechanical Engineering, or Bachelor of Architecture, as the case may be; but any person, not a candidate for these degrees, who may appear competent to receive the instruction, may attend the classes, and undergo examination, and if successful, will receive a certificate to that effect.

## CHAPTER V.

## OF THE DEPARTMENT OF ELEMENTARY INSTRUCTION.—

## ARTICLE I.—[TITLE AND SUBJECTS.]

Title

SECTION 1. This department shall be otherwise known as the "COLLEGIATE DEPARTMENT." The instruction shall be conducted by the Faculty, according to such schedules as may from time to time be authorized by the Board of Regents, and which shall embrace the following subjects, to wit:

Instruction, Subjects.

Mathematics,	} In amounts equivalent, or nearly so, to those acquired by Sophomores in the older Colleges.
Latin,	
Greek.	
French,	} To include a good reading knowledge.
German.	

English—Including Rhetoric and Logic, and so much of the Elements of Philology and English Literature as may be practicable.

Natural Sciences—Physical Geography, Natural Philosophy, Philosophy, Botany, Chemistry, Physics, Mineralogy, Zoology, Geology and Astronomy.

History—An outline of general History for all the students, and so much of English, French, German, Roman and Greek History as can conveniently be taught in connection with the languages, respectively.

Other Exercises—Military Tactics, Gymnastics, Music (vocal), Elocution[and] Drawing, English Composition, Essays, &c.

SECTION 2. The Courses of Study shall be three, to wit:

Courses of Study.

I. CLASSICAL—Of which the leading studies shall be Latin, Greek, and Mathematics.

II. SCIENTIFIC—Of which the leading studies shall be Science, Mathematics, and any one of the following languages, viz: English, Latin, Greek, German, or French, as may be prescribed in the schedule of studies.

III. MODERN—In which the principal studies shall be Mathematics, the German, French, English, and Latin languages.

The course to be pursued by any student shall be selected at the time of his entrance, by his parent or guardian, or by himself, if he be of age.

Selection of Course.

There shall be such exercises in writing and speaking as the General Faculty upon recommendation of the Professor of Rhetoric may direct.

Provision shall be made in the term programmes for the military exercises.

SECTION 3. The General Faculty are authorized to modify, in their discretion, any of the above named courses, for the benefit of persons who propose to complete their education in the Collegiate Department.

SECTION 4. The General Faculty may also admit special students under such conditions as may seem just and proper.

ARTICLE II.—OF ADMISSION AND ATTENDANCE.

SECTION 1. Applicants for admission to the Collegiate Department shall be at least fourteen years old, and shall pass such examinations as may from time to time be required by the Board of Regents.

Age.

SECTION 2. The regular examination of candidates for admission to the Department of Elementary Instruction shall be held in the University building commencing on Wednesday of the first week of the first term, and continuing until completed. Such other examinations for admission may be held as the [General] Faculty shall direct; of which due notice shall be given.

Examinations.

SECTION 3. No applicant shall be registered in full standing until his parent or guardian, or himself if he be of age, shall have filled up, signed and filed in the Registrar's office, the following form of application:

Registry.

\* \* \* \* \*

SECTION 4. No applicant shall be registered as a student until after he shall have passed the examination and have paid the treasurer, or his agent, the annual fee.

Annual fee

SECTION 5. Whenever a student shall have been duly registered, he shall be furnished a card upon which shall be printed as follows, viz:

Student's Card.

This is to certify that . . . is a duly registered student in the . . . of the University of Minnesota; . . . year, . . . class . . .

\* \* \* \* \*

SECTION 6. If a student shall absent himself from the University without leave, for six consecutive school days, without reporting the cause of such absence; or if a student shall fail to be present at the beginning of any term, within six consecutive school days, without reporting the causes of such detention, he shall be dropped from the rolls, shall forfeit his registry, and shall only be readmitted upon examination at the next stated time for the examination of candidates for admission; provided, however, that the General Faculty may remit the above penalties for good and sufficient reasons.

Absentees dropped from rolls after six days.

SECTION 7. Every student of this department shall attend upon three recitations or lectures each day for five days in the week, besides exercises in Military Tactics and Gymnastics, Drawing, Music, Composition, Declamation, Elocution, and Analytical Chemistry, and Scientific Excursions, and for mathematical field work extra whole days or parts

Duty of Students.

of days may be occasionally required. The Faculty, however, upon the written application of a parent or guardian, or of the student himself if of age, setting forth the reasons, may excuse a student from one or two studies, or may permit a student to take a fourth study.

Final Certificate.

SECTION 8. Every student who shall have been duly passed upon all the studies and exercises of any course, shall receive a Final Certificate to that effect, which shall entitle him to admission to any appropriate college of the University, without further examinations.

Absences.

SECTION 9. Whenever a student shall have been absent from any assemblies, recitations, lectures, drills, or other proper exercises, he shall, on the first day of his attendance thereafter, hand in an excuse in writing, stating the reasons for such absence; and he shall not be admitted to any recitation or other exercise, except the assembly, until this section has been complied with.

#### ARTICLE III—MILITARY EXERCISES.

Of whom required.

SECTION 1. All able bodied male students of the Collegiate Department shall be required to attend upon the military exercises, except such persons as may be excused therefrom by the president, with the advice and consent of the [General] Faculty. Attendance upon these exercises shall be enforced in the ordinary manner.

Military appointments.

All military appointments shall be made by the president, upon recommendation of the professor of Military Science, with the consent of the Faculty. He shall prescribe the uniform subject to the approval of the president and [General] Faculty.

#### CHAPTER VI.

##### OF OTHER COLLEGES, &c.

Colleges of Law and Medicine.

SECTION 1. The organization of the other colleges of the University, to wit, of the College of Medicine and the College of Law, is hereby referred to the president, who is authorized to report at any subsequent meeting of the Board.

Repeal, &c.

SECTION 2. None of the foregoing by-laws, nor any parts thereof shall be altered, amended, suspended, or repealed, except by vote of the Board of Regents upon a motion to amend the by-laws; which motion shall be made in writing, and if any member require it, shall lie over for one day before action.

SECTION 3. All previous enactments inconsistent with these by-laws are hereby repealed.

I certify that by the direction of the Board of Regents I have compared the foregoing copy of the revised by-laws with the originals adopted by them, and find said copy to be a faithful transcript.

CHAS. S. BRVANT.

*Auditing Committee.*

ST. PAUL, Aug. 25th, 1874.

## APPENDIX B.

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AN ALPHABETICAL LIST OF STUDENTS ATTENDING THE UNIVERSITY OF  
MINNESOTA FROM THE YEAR 1867-8 TO THE YEAR 1873-4, INCLUSIVE.

Cornelius C. Adams,	Bloomington Ferry.	Classical.
Charles Newton Akers,	Red Wing.	Classical.
Frank Alden,	Saint Anthony.	Special.
Charles C. Allen,	Lincoln, Me.	Special.
Horatio Allen,	Shakopee.	Classical.
Edward Burdett Alling,	Anoka.	Classical.
Frank H. Ames,*	Rockford, Ill.	Scientific.
Charles Newton Atkins,	Red Wing.	Scientific.
Thomas J. Atkins,	Middletown, Conn.	Special.
John Birdseye Atwater,	Minneapolis.	Classical.
Mary W. Averill,	“	Classical.
John Ayotte,	Castle Rock.	Scientific.
George D. B. Bainbridge,	Saint Louis, Mo.	Special.
Asa Kneeland Baker,	Saint Paul.	Special.
Daniel Baker,	“ “	Scientific.
James B. Baldwin,	Clear Lake.	Special.
Edwin R. Barbour,	Minneapolis.	Classical.
Frank Lawson Barnard,	Chatfield.	Classical.
Fred Herbert Barnard,	Saint Anthony.	Scientific.
Georgia F. Barnard,	“ “	Modern.
Harriet Lillian Barnard,	Minneapolis.	Scientific.
Frank Anthony Barth,	Watertown.	Scientific.
Luther B. Bartow,	Minnetonka.	Special.
Wesley Beach,	Winona.	Classical.
William Clarence Bedford,	Minneapolis.	Scientific.
William Dunbar Belden,	Caledonia.	Classical.

*University of Minnesota.*

Adrian L. Bennett,	St. Paul.	Special.
Thomas Bennett,	Athol, Canada.	Classical.
William Carey Bennett,	Castle Rock.	Scientific.
Alfred Nelson Bentley,	Six Oaks.	Special.
John Berkey,	Saint Paul.	Special.
Jennie Beswick,	Vermillion.	Scientific.
William Henry Best,	Castle Rock.	Classical.
Willis Eugene Bigelow,	Preston.	Scientific.
Frank Birge,	Minneapolis.	Special.
David Marshall Bisbee,	Saint Anthony.	Scientific.
Henry Lawrence Blakely,	Saint Paul.	Scientific.
George Blasdell,	Saint Anthony.	Special.
Minnesota Eliza Bolles,	Newport.	Modern.
Benjamin Franklin Borden,	Plato.	Special.
Washington Boright,	Eyota.	Modern.
John Henry Bornholdt,	Saint Anthony.	Scientific.
Margarette O. Boyce,	Maple Grove.	Special.
Albert Frederick Brayton,	Howard Lake.	Scientific.
Robert R. Briggs,	Clear Lake.	Special.
Alice Brockway,	Saint Anthony.	Scientific.
Elizabeth F. Brockway,	“ “	Special.
Emma R. Brockway,	“ “	Scientific.
John P. Brockway,	“ “	Scientific.
Herbert John Broughton,	“ “	Scientific.
David D. Brown,	Owatonna.	Scientific.
John Franklin Brown,	Oxford, N. C.	Classical.
Sarah Jane Brown,	Saint Anthony.	Modern.
Walter Scott Brown,	Long Lake.	Special.
William Brown,	Minnetonka.	Special.
Robert Solomon Bryant,	Minneapolis.	Classical.
Clarence Clough Buel,	“	Modern.
Lillie F. Burlingham,	“	Special.
John Danforth Burr,	“	Classical.
Margarette Bushnell,	Saint Anthony.	Special.
Walter Hiram Butler,	Conneautville, Pa.	Classical.
Robert William Butler,	“ “	Scientific.
Timothy Edward Byrnes,	Kingston.	Scientific.



James C. Campbell,	Ypsilanti, Mich.	Classical.
Walter Atwood Carpenter,	Farmington.	Scientific.
Ira Wallace Castle,	Stillwater.	Modern
Edward Wheelock Cater,	Princeton.	Scientific.
Celeste Eliza Chamberlain,	Orono, Maine.	Scientific.
Ella Letitia Champlin,	Osseo.	Modern.
Eva Mary Champlin,	"	Modern.
Arthur G. Chapin,	Minneapolis.	Special.
S. M. Chapman,	Richfield.	Special.
Abbie E. Chase,	Minneapolis.	Scientific.
Charles Walter Chase,	Saint Paul.	Classical.
Frank Chase,	Saint Anthony.	Scientific.
Sylvester Bessey Chase,	Minneapolis.	Scientific.
Edwin Chatfield,	Chatfield.	Scientific.
DeEtte Cheadle,	Cleveland.	Modern.
George Lucius Cheadle,	"	Modern.
Clarence P. Chesley,	Saint Anthony.	Scientific.
Gilbert Kirby Chesley,	" "	Scientific.
John W. Childs,	Minneapolis.	Special.
Charles Richard Chute,	Saint Anthony.	Scientific.
Martha Hannah Chute,	Crawfordsville, Ind.	Modern.
William George Clague,	Castle Rock.	Special.
Frederick Arthur Clarke,*	Excelsior.	Scientific.
Emma Clement,	Saint Anthony.	Special.
Charles Bryant Coe,	Caledonia.	Classical.
Ellen R. Cole.	Saint Anthony.	Scientific.
Emma Frances Cole,	" "	Scientific.
Sarah Belle Cole,	" "	Scientific.
Addie E. Connor,	" "	Scientific.
William Glen Copeland,	Minneapolis.	Scientific.
Ambrose Countryman,	Hastings.	Special.
Joseph Gage Cressey,	Richfield.	Scientific.
Charles Crysler,	White Bear Lake.	Classical.
John Cullen,	Saint Anthony.	Special.
Margaret Cullen,	" "	Special.
Lula Cummings,	Minneapolis.	Special.
Minnie Cummings,	"	Special.
James Curly,	"	Special.

*University of Minnesota.*

Archibald Currie,	Rushford,	Scientific.
Theodore Curtis,	Minneapolis.	Scientific.
William W. Dalrymple,	Farmington.	Special.
Charles Damerel,	Hastings.	Scientific.
George Damerel,	"	Scientific.
Charles E. Daniels,	Sciota.	Special.
Alfred A. Dare,	Saint Anthony.	Special.
James Davenport,	Saint Paul.	Modern.
Eugene Davis,	Eyota.	Special.
Laura Janette Davis,	Saint Anthony.	Scientific.
Ida Ellen Day,	Farmington.	Special.
Raymond Harris Day,	"	Scientific.
Charles E. Delamater,	Minneapolis.	Special.
Mary DeLong,	Owatonna.	Scientific.
Edgar Barnard Dillingham,	Minneapolis.	Scientific.
Frederic W. Dillingham,	"	Scientific.
Frederick H. Donaldson,	Minneapolis.	Scientific.
George Silas Doud,	Winona.	Scientific.
Jennie Donlin,	Saint Anthony.	Special.
Dorance Henry Dorman,	" "	Classical.
Howard Douglass,	High Forest.	Classical.
Francis H. Drake,	Albert Lea.	Special.
Elizabeth P. Dresser,	Saint Anthony.	Scientific.
Ella Dresser,	" "	Scientific.
Matilda Dudley,	" "	Special.
Frank Dunham,	Minneapolis.	Scientific.
Lycurgus Archer Dunn,	Red Wing.	Classical.
Warren B. Dunnell,	Owatonna.	Special.
Charles H. Dunsmoor,	Richfield.	Scientific.
Frederick A. Dunsmoor,	"	Scientific.
Clara Eames,	Red Wing.	Special.
George W. Eames,	" "	Scientific.
Charles G. Early,	Minneapolis.	Special.
Mary Abigail Eldridge,	Silver Lake.	Special.
Engbret Marius Engbretsen,	Norway.	Classical.
Samuel Eustis,	Saint Anthony.	Special.

Warren C. Eustis,	Saint Anthony.	Classical.
Charles Farnham,	“ “	Special.
Frank W. Farnham,	“ “	Scientific.
Sarah S. Farnham,	“ “	Special.
Frank B. Felt,	Minneapolis.	Scientific.
George W. Felt,	“	Scientific.
John Henry Ferris,	Hampton.	Special.
Cornelia Finch,	Richfield.	Special.
Helen D. Finch,	Clinton Falls.	Modern.
James Flanigan,	Saint Anthony.	Scientific.
John B. Flanigan,	“ “	Special.
Margaret Fleming,	“ “	Scientific.
George Florida,	Minneapolis.	Special.
Helen Florida,	“	Special.
Frank W. Folsom,	Taylor's Falls.	Special.
Adelaide M. Folwell,	Kendaya, N. Y.	Special.
Edward La Fontaine Ford,	Wabasha.	Scientific.
Lucius Marcus Gaskill,	High Forest.	Scientific.
Byron Holmes Gates,	Harrison.	Special.
Emma Elizabeth Gates,	Crystal Lake.	Special.
Sarah Josephine Gates,	“ “	Special.
George F. Gay,	Mount Sterling, Wis.	Scientific.
Melvin Gilson,	Dayton.	Special.
Gerhard L. M. Gjertsen,	Leland, Ill.	Classical.
William Glasgow,	Owatonna.	Special.
Abbie Glessner,	Saint Anthony.	Scientific.
Herbert S. Goddard,	Royalston, Mass.	Scientific.
Alice Goodale,	Saint Anthony.	Special.
Elsie May Goodwin,	“ “	Modern.
Fred Herbert Gowen,	“ “	Scientific.
Catherine Graham,	Saint Anthony.	Special.
Charles Herbert Greeley,	“ “	Scientific.
Martin Fillmore Greeley,	Maine Prairie.	Scientific.
Otto E. Greeley,	Saint Anthony.	Special.
Duane L. Green,	Clinton Falls.	Scientific.
Alfred Scott Gregory,*	Winona.	Scientific.
Olin Grindall,	Saint Anthony.	Special.

*University of Minnesota.*

William A. Gulick,	Minneapolis.	Classical
Thomas Edmund Hall,	Preston.	Scientific.
Hans Hansen,	Prasto, Denmark.	Classical.
Omer Harford,	Minneapolis.	Scientific.
Theodore F. Harley,	Odin, Ill.	Scientific.
Milan Smith Harmon.	Minneapolis.	Classical.
John Geddes Harper,	Hamilton.	Modern.
Charles Harris,	"	Scientific.
Hugh Harrison,	"	Classical.
Obed Harvey,	Hornellsville, N. Y.	Scientific.
Andrew Petersen Haselrud,	Rushford.	Scientific.
George Petersen Haselrud,	"	Scientific.
Louigene Hatch,*	Minneapolis.	Scientific.
Nathaniel Tighlman Hauser,	"	Classical.
Sarah W. Haviland,	Philadelphia, Pa.	Special.
David S. Hayward,	Saint Cloud.	Special.
William Henry Hayward,	" "	Scientific.
Henry J. Hechtman,	Osseo.	Scientific.
John Albert Hechtman,	Saint Anthony.	Scientific.
Henrietta Elizabeth Higgins,	Saint Anthony.	Modern.
Winfield Curran Higgins,	Castle Rock.	Scientific.
Richard Junius Hill,	Minneapolis.	Special.
Gustave E. Hiller,	Maple Grove.	Special.
Asbury W. Hilton,	Minneapolis.	Special.
Charles Nathan Hinckley,	Saint Anthony.	Scientific.
Laura Dell Hinckley,	" "	Modern.
Mary Hinton,	Little Valley.	Scientific.
William Thomas Hobart,	Saint Paul.	Classical.
James Hodgson,	Northfield.	Scientific.
Harry Hamlin Hollidge,	Minneapolis.	Scientific.
Herbert Allen Holmes,	Minneapolis.	Scientific.
Herbert Lawrence Holmes,	Rushford,	Classical.
Mary Manning House,	Saint Anthony.	Modern.
Charles Sumner Houston,	Anoka.	Scientific.
Allen Morgan Howard,	Rochester.	Classical.
Helen E. Howard,	Waukon, Iowa.	Special.
Anna Estelle Legate Howe,	Minneapolis.	Scientific.

Laura Negus Howe,	Brooklyn.	Scientific.
Gertrude Lenore Howe,	"	Scientific.
William Alvan Howe,	"	Special.
Henry Franklin Hoyt,	Saint Paul.	Scientific.
Esther Louise Hudson,	Minneapolis.	Scientific.
William S. Hughes,	Owatonna.	Special.
Dawson Myron Humiston,	Otter Creek, Ill.	Scientific.
Harriet Hunt,	Kasota.	Special.
John Galbraith Irvine,	Saint Paul.	Scientific.
Mildred Meta Jackson,	Saint Anthony.	Modern.
Milford W. Jackson,	Bass Lake.	Special.
Annis Eveline James,	Dayton.	Scientific.
George Washington James,	"	Scientific.
Ovid Butler Jameson,	Indianapolis, Ind.	Modern.
Abbie Louise Jenkins,	Farmington.	Modern.
Anthony Joerg,	Saint Paul.	Scientific.
Alfred B. Johnson,	Louisville, Ky.	Scientific.
Charles John Johnson,	Saint Anthony.	Scientific.
Edward Morrill Johnson,	" "	Special.
Louise Tilton Johnson,	" "	Modern.
Mary Cutler Johnson,	" "	Modern.
Richard W. Johnson,	Louisville, Ky.	Classical.
William Chandler Johnson,	Saint Anthony.	Scientific.
Bertrand Jones,*	Toledo, Ohio.	Scientific
Everett Jones,	Chatfield.	Scientific.
Elijah Stephens Kelly,	Grenville.	Special.
Oscar Andrew Kelley.	O'co.	Scientific.
Thomas Kennedy,	Minneapolis.	Scientific.
Edward J. Kimball,	Saint Anthony.	Scientific.
Leonard Kimball,	Sebago, Maine.	Special.
William Edward Kingsley,	Minneapolis.	Special.
Amelia Elizabeth Kirkwood,	Crystal Lake.	Modern.
Charles R. Knowlton,	Massachusetts.	Special.
Nils Kolkin,	Willmar.	Classical.
John Lamb,	Saint Anthony.	Classical.
Ella Florence Lane,	Minneapolis.	Scientific.

*University of Minnesota.*

Frederick Cross Lawrence,	Saint Anthony.	Scientific.
Wilbur E. Lawrence,	“ “	Special.
Charles M. Leary,	Rochester.	Special.
Anna Lewis,	Saint Anthony.	Special.
William Martin Lewis,	Red Wing.	Classical.
James Forbes Liddell,	Madison, Wis.	Scientific.
Walter Scott Liddell,	“ “	Scientific.
Millie Lobdell,	Saint Anthony.	Scientific.
Charles H. Lockwood,	Rose.	Special.
Emma Lockwood,	Minneapolis.	Scientific.
Frank N. Lockwood,	Rose.	Special.
William Lockwood,	“	Special.
Daniel W. Longfellow,	Crystal Lake.	Scientific.
Charles McAllister,	Saint Paul.	Classical.
James H. McClenthen,	Minneapolis.	Special.
Ernest McDonald,	Saint Anthony.	Special.
Emma Marion McDonald,	“ “	Modern.
Louisa McDonald,	“ “	Special.
Caroline M. McEwen,	Lawrenceville.	Special.
John Henry McGaughey,	Saint Anthony.	Scientific.
Angus McGinnis,	Garden, Nova Scotia.	Special.
Arthur Lycurgus McGinnis,	Caledonia.	Scientific.
Catherine Eliza McGran,	Saint Anthony.	Scientific.
James E. McHenry,	Mankato.	Classical.
Edgar S. McKay,	Hampton.	Scientific.
Newton McKusick,	Stillwater.	Scientific.
Lois A. McMahan,	Manchester, Mich.	Special.
Margaret A. McMahan,	“ “	Special.
Robert B. McMaster,	Pittsburg, Pa.	Special.
Albert E. McMullen,	Saint Anthony.	Scientific.
Wilbert Howard McMullen,	“ “	Scientific.
Emma L. Macomber,	Minneapolis.	Special.
Daniel McPherson,	“	Special.
Charles Main,	Fremont Prairie.	Scientific.
Richard Mangan,	Saint Anthony.	Special.
Henry Luther Martin,	“ “	Scientific.
Jennie H. Martin,	“ “	Special.

*Appendix B.*

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Lucien J. Mason,	Le Roy.	Special.
Orrin F. Mason,	Keene, N. H.	Special.
Amelia Louisa May,	Farmington.	Special.
Edwin T. Mercer,	Grinnell, Iowa.	Scientific.
Jennie Abbie Miller,	Lanesboro.	Modern.
Ida Lucinda Mitchell,	Maple Grove.	Special.
Sophia Nelson Montfort,	Saint Anthony.	Modern.
Vessey Montfort,	“ “	Special.
Frank Mooers,	Minneapolis.	Special.
Ella Katherine Moore,	Saint Anthony.	Special.
Mary E. Moore,	“ “	Modern.
Nathan Moore,	“ “	Special.
George Horace Morgan,	Minneapolis.	Scientific.
John Paine Harvey Morris,	Saint Paul.	Scientific.
Louise Muller,	Minneapolis.	Special.
Albert E. Murdock,	Wabashaw.	Scientific.
Ira F. Murphy,	Minneapolis.	Modern.
Ida M. Murphy,	“	Special.
Elizabeth Murray,	Excelsior.	Scientific.
James A. Murray,	“	Classical.
Margaret M. Murray,	“	Scientific.
John Ralsey Murrel,	Preston.	Scientific.
William M. Myrick,	Saint Paul.	Scientific.
John Gunderson Naeseth,	Hader.	Scientific.
Burnham O. Nason,	Saint Anthony.	Special.
Feodor Bernard Neher,	Monticello.	Classical.
William Andrew Nelson,	Lenora.	Scientific.
Ezra Butler Newcombe,	Indianapolis, Ind.	Classical.
Bertha Niles,	Saint Anthony.	Special.
Ole Nilson,	Silver Lake, Iowa.	Scientific.
Alvah Josiah Noyes,	Silver Star, Montana.	Scientific.
David Olmstead,	Monona, Iowa.	Scientific.
Faltin Olsen,	Arendahl.	Modern.
Albert Bolles Ovitt,	Farmington.	Scientific.
Grace Rebecca Ovitt,	“	Scientific.
Alice F. Paine,	Minneapolis.	Special.
Harriet Ellen Parker,	Wayzata.	Scientific.

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James Luther Parker,	Minneapolis Tp.	Scientific.
Frederick Leavitt Pearl,	Minneapolis.	Scientific.
Annie S. Pease,	Saint Anthony.	Special.
John Pemberton,	West Saint Paul.	Classical.
Joseph Pemberton,	“ “ “	Classical.
John C. Penniman,	Saint Anthony.	Scientific.
Sarah O. Penniman,	“ “	Scientific.
Asa Milo Perkins,	Monticello.	Scientific.
Nelson Charles Peterson,	Minneapolis.	Scientific.
Herbert Phillips,	Saint Anthony.	Scientific.
Jennie P. Phillips,	“ “	Special.
Frank L. Plummer,	Brooklyn.	Scientific.
Samuel W. Pond,	Shakopee.	Classical.
Harmon Kossuth Pratt,	Richfield.	Scientific.
Faustina E. Prescott,	Saint Anthony.	Scientific.
Herbert C. Prescott,	“ “	Scientific
Laura Prescott,	“ “	Modern.
Nancy Prescott,	Minneapolis.	Special.
Theodore Refine Prindle,*	Chatfield.	Classical.
William Lowry Prosser,	“	Modern.
Eldon H. Pullen,	Harrison.	Scientific.
Lydia Carlton Pullen,	“	Modern.
Charles M. Purdy,	Red Wing.	Classical.
Marcellus Randall,	Mazeppa.	Scientific.
Rosalie Randall,	Saint Anthony.	Special.
William H. Randall,	St. Paul.	Scientific.
Martin Newman Rathbun,	Minneapolis.	Modern.
Charles W. Raymond,	Elgin, Ill.	Special.
John Cornelius Reardon,	Shakopee.	Scientific.
Philip Recher,	Brighton, Ill.	Special.
Frank Mortimer Reed,	Rockford, Ill.	Scientific.
Ora M. Reed,	Saint Anthony.	Special.
Edwin Sandreson Reishus,	Rushford.	Modern.
Lillian A. Rice,	Owatonna.	Special.
Lula Rich,	Red Wing.	Modern.
George Edwin Ricker,	Minneapolis.	Classical.
Herbert Robbins,	Jordan Valley.	Scientific.



*Appendix B.*

Harriet Augusta Roberts,	Orlando.	Scientific.
Mackintosh Robertson,	Saint Paul.	Special.
Charles Nicholson Robinson,	Minneapolis.	Scientific.
James Burney Robinson,	"	Scientific.
John Rodgers Kearney,	"	Special.
Charles B. Rogers,	Kasota.	Scientific.
Emma Frances Rollins,	Saint Anthony.	Scientific.
John Rollins,	" "	Special.
Matilda Rollit,	" "	Modern.
Minetta J. Ross,	" "	Modern.
Elbert Warren Rossman,	Spring Valley.	Modern,
John Brocklebank Rossman,	" "	Modern.
Frederick C. Rowell,	Winona.	Classical.
Joel Nathaniel Rowell,	Joliet, Ills.	Scientific.
Mary Augusta Rourke,	Saint Anthony.	Special.
Mary Isabella Sayre,	Minneapolis.	Special.
Charles Scott,	"	Special.
Watson Scripture,	Saint Anthony.	Special.
Gilbert F. Scriven,	" "	Special.
Emma Seaton,	" "	Special.
Virgil Barbour Seward,	Mankato.	Scientific.
Francis F. Sewell,	Minneapolis	Special.
John Alden Shepard,	"	Scientific.
Frank L. Shepherd,	"	Scientific.
John Sheriff,	Saint Anthony.	Scientific.
Lorissa Maria Sherman,	Osseo.	Special.
William Henry Sidle,	Minneapolis,	Special.
Karl Simmon,	Saint Paul.	Scientific.
Mary E. Sleight,*	Rockford.	Special.
Harvey Volney Sims.	Houston, Texas.	Scientific.
Charles Axel Smith,	Saint Anthony.	Scientific.
Cora F. Smith,	Minneapolis.	Modern.
Daniel F. Smith,	"	Classical.
Della Matilda Smith,	Osseo.	Modern.
Eugene Adelbert Smith,	Saint Paul.	Scientific.
George Smith,	Saint Anthony.	Special.
George William Smith,	Minneapolis.	Classical.

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Henry Ansell Smith,	Duluth,	Modern.
Joseph H. Smith,	Minneapolis.	Special.
Minerva Clark Smith,	"	Modern.
Luther E. Somerville,	Eyota.	Scientific
Alice Eldora Soule,	Princeton	Special.
Ada Souther,	Chatfield.	Scientific.
Mary C. Southwick,	Shultzburg, Wis.	Special.
Marion D. Southwick,	" "	Special.
Susan Southworth,	Saint Anthony.	Scientific.
Catherine L. Sperry,	Waterbury, Conn.	Special
Charles Clifford Spooner,	Minneapolis.	Scientific.
Samuel Benjamin Stecs,*	Saint Paul.	Scientific.
Emma E. Sterling,	Elysian.	Modern.
Arthur Dayton Stevens,	Minneapolis.	Scientific.
Clinton DeLuce Stevens,	"	Scientific.
Gardner Stevens,	"	Classical.
Granville W. Stewart,	Northfield.	Scientific.
Francis Alphonso Stiles,	Sauk Center.	Classical
Ella Frances Stimson,	Saint Anthony.	Special.
Frank Alvin Stone,	" "	Special.
Benjamin Franklin Stoneman,	Minneapolis.	Scientific.
Orville Anderson Stoneman,	Saint Anthony.	Scientific.
Albert D. Stowell,	Mazeppa.	Scientific.
James Frederick Strange,*	Chatfield.	Modern.
William Oscar Streeter,	Caledonia.	Scientific.
Anson Strong,*	Hornellsville, N. Y.	Scientific.
David Oakes Sweet,	Sauk Rapids.	Scientific.
Wilbur A. Taggart,	Vermillionville, Ill.	Scientific.
Ivar Taraldsen,	Minneapolis.	Classical.
Watson S. Taylor,	Jefferson, N. Y.	Special.
Frank Tew,	Saint Anthony.	Special.
Eben Fernandez Thomj-son,	Minneapolis.	Modern.
Ruthevan Thompson,	Aurora, Ill.	Special.
Willard Granville Thompson,	Saint Paul.	Scientific.
Willis H. Thompson,	Saint Anthony.	Special.
Viola Tidball,	Waterville.	Special.
Abbie E. Tidd,	Saint Anthony.	Special.

*Appendix B.*

Flavil B. Tiffany,	Rice Lake.	Scientific.
Frederick Loraine Tillotson,	Rushford.	Scientific.
Charles Clarence Timson,	Saint Anthony.	Scientific.
Ora M. Timson,	" "	Special.
Victor C Timson,	" "	Scientific.
Charles Todd,	" "	Special.
Laura A. Tombler,	Wyoming.	Special.
Julius A. Town,	Owatonna.	Special.
Ralph E. Town,	"	Scientific.
Helen Tozer,	Rose.	Special.
Wilber Lewis Trumble,	Minneapolis.	Scientific.
Adelmar Kinney Tubbs,	Princeton.	Scientific.
Henry Levi Tubbs,	"	Scientific.
Jerome Fernando Tubbs,	"	Classical.
Catherine A. Tupper,	Saint Anthony.	Special.
George Montgomery Tuttle,	Minneapolis.	Classical.
Frank Langworthy Tuttle,	Austin.	Special.
Frederick L. Tuttle,	Saint Anthony.	Special.
Serena Elizabeth Tuttle,	" "	Modern.
Sarah Edna Twitchell,	Chatfield.	Classical.
Eugene Underwood,	Saint Paul.	Special.
Frank B. Upton,	" "	Scientific.
Rufus Porter Upton,	Saint Anthony.	Scientific.
Edward Mortimer VanCleve,	Saint Anthony.	Scientific.
John Risley VanCleve,	" "	Scientific.
Paul Ledyard VanCleve,	" "	Scientific.
Samuel Houston VanCleve,	" "	Classical.
Fergus VanDeren,	" "	Classical.
Alexander Vander Horck.	Minneapolis.	Modern.
George Vinal,	Middletown, Conn.	Special.
Charles Henry Wagoner,	Eyota.	Special.
John Rowland Wagoner,	Greene, Iowa.	Classical.
Arthur Wales,	Minneapolis.	Special.
Maria Wales,	Minneapolis.	Special.
William Wales,	"	Special.
Ellen R. Walker,	Spencer Brook.	Scientific.

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Isaac Fletcher Walker,	Spencer Brook.	Scientific.
Margaret A. Walker,	“ “	Scientific.
Richard Westbrook Walker,	“ “	Scientific.
Franklin William Ward,	Galesburg, Ill.	Classical.
Sarah Meroa Warde,	Brooklyn.	Modern.
Dennis LeRoy Warriner,	Chatfield.	Classical.
Mary Eliza Watson,	Minneapolis.	Special.
Edgar S. Way,	Northfield.	Scientific.
Oliver Webb,	Duluth.	Scientific.
John Weeks,	Saint Anthony.	Special.
William Weeks,	Maumee.	Special.
George Francis Welles,	Minneapolis.	Classical.
Madeline White,	Saint Anthony.	Scientific.
Ida Ellen Whittier,	“ “	Modern.
Albert Wilkinson,	Red Wing.	Classical.
Joseph Wilkinson,	“ “	Classical.
John Willey Willes,	Saint Paul.	Classical.
Ida Rosaline Willey,	Crystal Lake.	Modern.
Henry M. Williamson,	Saint Peter.	Classical.
Ella Willson,	Pleasant Grove.	Special.
Caroline E. Wilson,	Six Oaks.	Special.
George N. Wilson,	Phelps, N. Y.	Special.
Justis A. Wilson,	Saint Cloud.	Special.
Charles Albert Winship,	Minneapolis.	Classical.
Paul Horace Wood,	“	Scientific.
Wallace W. Woodruff,	Saint Paul.	Special.
Mira Woods,	Le Sueur.	Special.
Sumner B. Woodsum,	Chatfield.	Classical.
Austin M. Woodward,	Minneapolis.	Scientific.
Mary Alice Woodward,	Osseo.	Modern.
Medora Wright,	Spring Valley.	Special.
Rosemma Clara Wright,	Richfield.	Scientific.
John Wyckoff,	Taylors Falls.	Scientific.
Emily Sophia Young,	Saint Anthony.	Modern.

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ADDENDUM.—The following degrees, not mentioned on page 14, were also conferred at the Third Annual Commencement, June 24, 1875: The degree of Bachelor of Science upon Samuel Addison Rank; the degree of Civil Engineering upon Clark Stewart.