

# Year Book

OF THE

## Michigan State Normal College

FOR

1905-1906

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INCLUDING

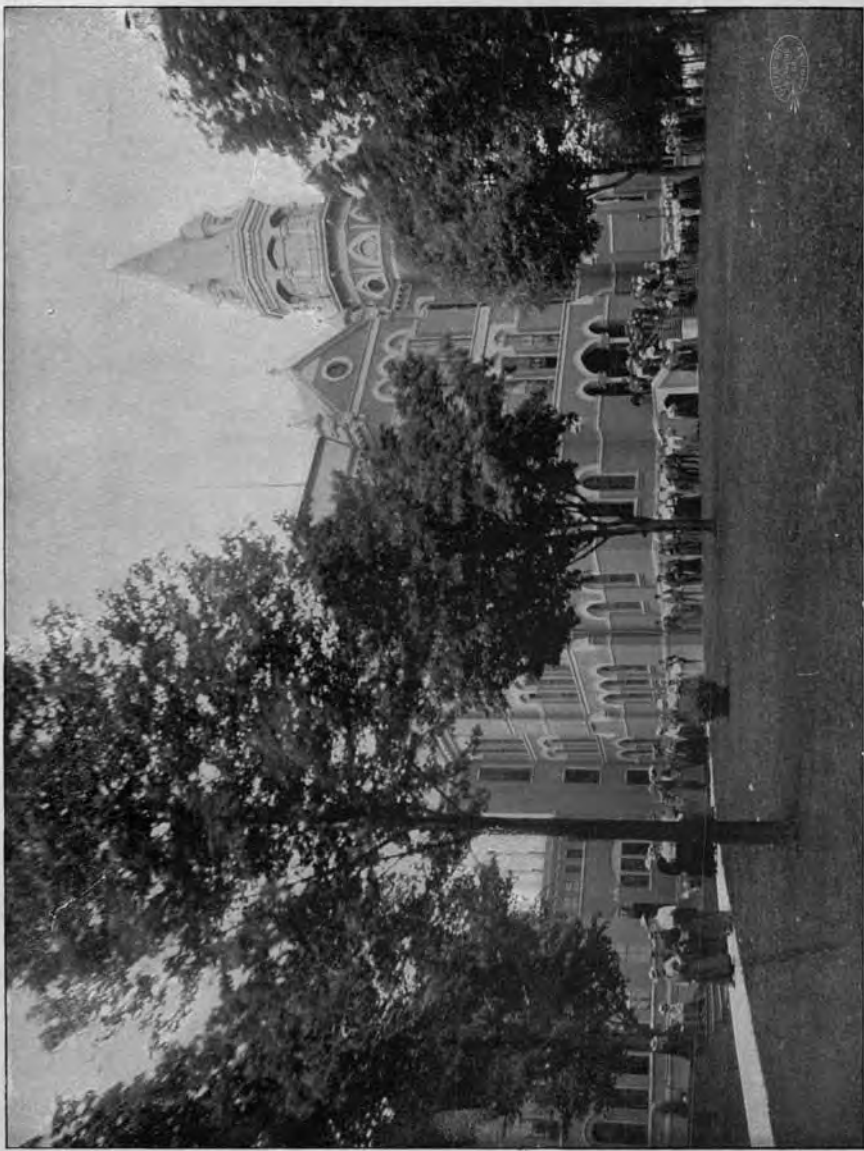
ANNOUNCEMENTS FOR 1906-1907

AND

REGISTER OF STUDENTS

1906

The  
Main  
Building



# Michigan State Normal College

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L. H. JONES, A.<sup>c</sup>M., PRESIDENT

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## STATE BOARD OF EDUCATION

HON. W. J. MCKONE.....	President
HON. DEXTER M. FERRY, JR.....	Vice President
HON. LUTHER L. WRIGHT.....	Treasurer
HON. PATRICK H. KELLEY.....	Secretary

HON. PATRICK H. KELLEY  
Superintendent of Public Instruction

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Regular meeting of the Board fourth Friday of each month

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# SCHOOL CALENDAR FOR 1906-7

Holidays are printed in full-faced type

	June, 1906	November, 1906	April, 1907
Sun.	--- <b>3 10 17 24</b> ---	--- <b>4 11 18 25</b> ---	--- <b>7 14 21 28</b> ---
Mon.	--- 4 11 18 25 ---	--- 5 12 19 26 ---	1 8 15 22 29 ---
Tues.	--- 5 12 19 26 ---	--- 6 13 20 27 ---	2 9 16 23 30 ---
Wed.	--- 6 13 20 27 ---	--- 7 14 21 28 ---	3 10 17 24 31 ---
Thur.	--- 7 14 <b>21</b> 28 ---	1 8 15 22 <b>29</b> ---	4 11 18 25 ---
Fri.	1 8 15 <b>22</b> 29 ---	2 9 16 23 <b>30</b> ---	5 12 19 26 ---
Sat.	<b>2 9 16 23 30</b> ---	<b>3 10 17 24</b> ---	<b>6 13 20 27</b> ---
	July, 1906	December, 1906	May, 1907
Sun.	1 <b>8 15 22 29</b> ---	--- <b>2 9 16 23 30</b> ---	--- <b>5 12 19 26</b> ---
Mon.	2 9 16 23 30 ---	--- 3 10 17 <b>24 31</b> ---	--- 6 13 20 27 ---
Tues.	3 10 17 24 31 ---	--- 4 11 18 <b>25</b> ---	--- 7 14 21 28 ---
Wed.	<b>4</b> 11 18 25 ---	--- 5 12 19 <b>26</b> ---	1 8 15 22 29 ---
Thur.	5 12 19 26 ---	--- 6 13 20 <b>27</b> ---	2 9 16 23 <b>30</b> ---
Fri.	6 13 20 27 ---	--- 7 14 21 <b>28</b> ---	3 10 17 24 31 ---
Sat.	<b>7 14 21 28</b> ---	<b>1 8 15 22 29</b> ---	<b>4 11 18 25</b> ---
	August, 1906	January, 1907	June, 1907
Sun.	--- <b>5 12 19 26</b> ---	--- <b>6 13 20 27</b> ---	--- <b>2 9 16 23 30</b> ---
Mon.	--- <b>6 13 20 27</b> ---	--- 7 14 21 28 ---	--- 3 10 17 24 ---
Tues.	--- <b>7 14 21 28</b> ---	<b>1</b> 8 15 22 29 ---	--- 4 11 18 25 ---
Wed.	1 <b>8 15 22 29</b> ---	2 9 16 23 30 ---	--- 5 12 19 26 ---
Thur.	2 <b>9 16 23 30</b> ---	3 10 17 24 31 ---	--- 6 13 <b>20</b> 27 ---
Fri.	3 <b>10 17 24 31</b> ---	4 11 18 25 ---	--- 7 14 <b>21</b> 28 ---
Sat.	<b>4 11 18 25</b> ---	<b>5 12 19 26</b> ---	<b>1 8 15 22 29</b> ---
	September, 1906	February, 1907	July, 1907
Sun.	--- <b>2 9 16 23 30</b> ---	--- <b>3 10 17 24</b> ---	--- <b>7 14 21 28</b> ---
Mon.	--- <b>3 10 17 24</b> ---	--- 4 11 18 25 ---	1 8 15 22 29 ---
Tues.	--- <b>4 11 18 25</b> ---	--- 5 12 19 26 ---	2 9 16 23 30 ---
Wed.	--- <b>5 12 19 26</b> ---	--- 6 13 20 27 ---	3 10 17 24 31 ---
Thur.	--- <b>6 13 20 27</b> ---	--- 7 14 21 28 ---	<b>4</b> 11 18 25 ---
Fri.	--- <b>7 14 21 28</b> ---	1 8 15 <b>22</b> ---	5 12 19 26 ---
Sat.	<b>1 8 15 22 29</b> ---	<b>2 9 16 23</b> ---	<b>6 13 20 27</b> ---
	October, 1906	March, 1907	August, 1907
Sun.	--- <b>7 14 21 28</b> ---	--- <b>3 10 17 24 31</b> ---	--- <b>4 11 18 25</b> ---
Mon.	1 8 15 22 29 ---	--- 4 11 18 <b>25</b> ---	--- <b>5 12 19 26</b> ---
Tues.	2 9 16 23 30 ---	--- 5 12 19 <b>26</b> ---	--- <b>6 13 20 27</b> ---
Wed.	3 10 17 24 31 ---	--- 6 13 20 <b>27</b> ---	--- <b>7 14 21 28</b> ---
Thur.	4 11 18 25 ---	--- 7 14 21 <b>28</b> ---	1 <b>8 15 22 29</b> ---
Fri.	5 12 19 26 ---	1 8 15 22 <b>29</b> ---	2 <b>9 16 23 30</b> ---
Sat.	<b>6 13 20 27</b> ---	<b>2 9 16 23 30</b> ---	<b>3 10 17 24 31</b> ---



Saturday, October 6 ..... S. C. A. Reception  
 Friday, October 12.....Faculty Reception to Students  
 Thursday, November 29 }  
 Friday, November 30 } .....Thanksgiving Recess  
 Friday, December 21.....Fall Quarter Closes

1907

Wednesday, January 2..... { Winter Quarter Begins  
 ..... { Entrance Examinations  
 Friday, February 22.....Washington's Birthday  
 Friday, March 22.....Winter Quarter Closes  
 Monday, April 1.....Spring Quarter Begins  
 Thursday, May 30.....Memorial Day  
 Sunday, June 16.....Baccalaureate Address  
 Monday, June 17, p. m.....Junior Class-Day  
 Tuesday, June 18, a. m.....Conservatory Commencement  
 Tuesday, June 18, p. m.... { Senior Class-Day, Alumni Reunion  
 ..... { President's Reception  
 Wednesday, June 19.....COMMENCEMENT



# FACULTY

OF THE  
MICHIGAN STATE NORMAL COLLEGE

1906-07

L. H. JONES, A.M., PRESIDENT, 730 Forest Ave.

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## HEADS OF DEPARTMENTS.\*

FREDERIC H. PEASE.....	43 Summit St.
Director of Conservatory of Music.	
DANIEL PUTNAM, A.M., LL.D.....	314 Forest Ave.
Professor of the Science and Art of Teaching.	
JULIA ANNE KING, A.M., M.Pd.....	611 Pearl St.
Professor of History and Civics.	
EDWIN A. STRONG, A.M.....	127 Normal St.
Professor of Physical Sciences.	
FLORUS A. BARBOUR, A.M.....	704 Pearl St.
Professor of English.	
BENJAMIN L. D'OOGHE, A.M., Ph.D.....	420 Forest Ave.
Professor of Latin and Greek.	
WILLIAM H. SHERZER, M.S., Ph.D.....	9 N. Summit St.
Professor of Natural Sciences.	
CHARLES O. HOYT, Ph.D.....	318 Congress St.
Professor of the Science and History of Education.	
ELMER A. LYMAN, A.B.....	126 N. Washington St.
Professor of Mathematics.	

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\* The names of the Faculty are arranged under the several subdivisions in order of the seniority of service.

SAMUEL B. LAIRD, A.M., . . . . .	318 Forest Ave.
Professor of Psychology.	
DIMON H. ROBERTS, A.M. . . . .	307 Congress St.
Superintendent of Training School.	
MARK S. W. JEFFERSON, A.M. . . . .	14 Normal St.
Professor of Geography.	
RICHARD CLYDE FORD, PH.D. . . . .	505 Chicago Ave.
Professor of French and German.	
J. STUART LATHERS, B.L. . . . .	416 Olive St.
Professor of Reading and Oratory.	
WILBUR P. BOWEN, M.S., B.PD. . . . .	203 Brower St.
Professor of Physical Education.	
NATHAN A. HARVEY, PH. D. . . . .	223 Summit St.
Professor of Pedagogy and Institute Conductor.	

#### ASSOCIATE PROFESSOR

JOHN C. STONE, A.M. . . . .	501 Adams St.
Associate Professor of Mathematics.	

#### ASSISTANT PROFESSORS

FREDERICK R. GORTON, PH.D. . . . .	512 Forest Ave.
Assistant Professor of Physics.	
B. W. PEET, M.S. . . . .	510 Emmet St.
Assistant Professor of Chemistry.	

#### INSTRUCTORS AND ASSISTANTS

ABIGAIL PEARCE, PH.B., B.PD. . . . .	410 Emmet St.
Instructor in English.	
*HELEN B. MUIR. . . . .	614 Cross St.
Instructor in Latin and Greek.	
ADA A. NORTON, PH.M. . . . .	510 Pearl St.
Instructor in Mathematics.	
FLORENCE SHULTES, B.PD. . . . .	210 Washington St.
Instructor in History.	
MARY B. PUTNAM, PH.B., B.PD. . . . .	314 Forest Ave.
Instructor in Civics.	
MRS. FANNIE CHEEVER BURTON, M.PD. . . . .	517 N. Adams St.
Director of Women's Gymnasium.	
CLYDE E. FOSTER. . . . .	418 Florence St.
Instructor in Music.	

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\* Absent on leave.

ESTELLE DOWNING, A.B.	429 Adams St.
Assistant in English.	
JESSIE PHELPS, M.S.	429 Adams St.
Instructor in Natural Sciences.	
BERTHA G. BUELL, B.L.	429 Adams St.
Assistant in History.	
*MINOR E. WHITE	727 Chicago Ave.
Assistant in Music.	
MARY A. GODDARD, B.S.	516 Adams St.
Instructor in Natural Sciences.	
BERTHA GOODISON	317 S. Huron St.
Instructor in Drawing.	
ALMA BLOUNT, PH.D.	520 Hamilton St.
Instructor in English.	
S. D. MAGERS, M.S.	9 S. Summit St.
Instructor in Natural Sciences.	
ANNIE H. OLMSTED	220 Huron St.
Instructor in Drawing.	
LOTA H. GARNER	411 Pearl St.
Assistant in Drawing.	
IDA FLEISCHER, PH.D.	508 Ellis St.
Instructor in French and German.	
MARY JOY LOMBARD, B.L.	520 Hamilton St.
Instructor in French and German.	
INEZ M. CLARK	517 N. Adams St.
Assistant in Gymnasium.	
RUTH PUTNAM	314 Forest Ave.
Assistant in Music.	
MARY M. MASTER	316 Congress St.
Assistant in Reading and Oratory.	
ORLAND O. NORRIS	315 Cross St.
Instructor in Latin.	
MARY DERBY, A.B.	316 Congress St.
Assistant in English.	
DARREL H. DAVIS, A.B.	310 Hamilton St.
Assistant in Geography.	
CLEMENS P. STEIMLE	201 Washington St.
Assistant in Mathematics.	
H. ETHEL CHILDS	Forest Ave. East
Assistant in Drawing.	

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\* Absent on leave.

CAROLINE L. TOWNER.....	303 Huron St.
Acting Assistant in Music.	
ROBERT M. REINHOLD.....	717 Cross St.
Editorial Manager Normal College News.	
W. L. WALLING.....	4 S. Summit St.
Assistant in Physical Science Laboratory.	
EDNA JACKSON .....	510 Cross St.
Assistant in Natural Science Laboratory.	
S. EDITH KING.....	17 N. Summit St.
Assistant in Natural Science Laboratory.	
W. GLEN LEWIS.....	S. C. A. Bldg.
Assistant in Natural Science Laboratory.	
BERNICE SARGENT.....	231 Summit St.
Assistant in Mathematics.	
IRENE O. CLARK.....	610 Adams St.
Assistant in Physical Training.	
EFFIE DEAM.....	412 Perrin St.
Assistant in English (fall quarter).	
CHAS. C. COLBY.....	605 Emmet St.
Assistant in Geography (fall quarter).	
FRANK JENSEN.....	95 Oakwood Ave.
Assistant in Mathematics.	
C. D. CARPENTER.....	125 College Place
Assistant in Physical Science Laboratory (fall quarter).	
JESSIE LEE.....	502 Cross St.
Assistant in Latin and Greek.	

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### FACULTY OF THE TRAINING SCHOOL

DIMON H. ROBERTS, A.M., Superintendent.

MARGARET E. WISE.....	18 Adams St.
Critic Teacher, First Grade	
HESTER P. STOWE.....	220 Huron St.
Kindergartner.	
ADELLA JACKSON.....	105 Normal St.
Critic Teacher, Second Grade.	
ABIGAIL ROE.....	220 Huron St.
Critic Teacher, Sixth Grade.	
CLYDE E. FOSTER.....	418 Florence St.
Supervisor of Music.	
ABIGAIL LYNCH.....	217 Washington St.
Critic Teacher, Third Grade.	

MARY M. STEAGALL, ED.B., PH.B.....	301 Washington St.
Critic Teacher, Ninth and Tenth Grades.	
BERTHA GOODISON.....	317 S. Huron St.
Supervisor of Drawing.	
ALICE I. BOARDMAN.....	216 Hamilton St.
Supervisor of Manual Training.	
ELLA M. WILSON.....	1 Summit St.
Critic Teacher, Fifth Grade.	
INEZ M. CLARK.....	517 N. Adams St.
Supervisor of Physical Training.	
EDNA T. COOK, B.S.....	117 Huron St.
Critic Teacher, Eighth Grade.	
LYDIA L. HERRICK.....	429 Adams St.
Assistant Kindergartner.	
ELISABETH B. MCLELLAN.....	117 Huron St.
Critic Teacher, Fourth Grade.	
HELENE KNEIP.....	213 Michigan St.
Assistant Kindergartner.	
EMELYN E. GARDNER, A. B.....	220 Huron St.
Critic Teacher, Seventh Grade.	
GRACE FULLER.....	111 Normal St.
Supervisor of Domestic Science and Art.	
EDNA BARLOW.....	214 Summit St.
Assistant in Manual Training.	
SADIE GODARD.....	114 Summit St.
Assistant in Domestic Science and Art.	
L. ELTA LOOMIS.....	706 Emmet St.
Assistant in Physical Training.	

#### LIBRARY

Genevieve M. Walton, Librarian.....	403 Huron St.
Alice Barnes, Assistant.....	220 Huron St.
Elsie V. Andrews, Assistant.....	301 Washington St.
Guy Smith, Assistant.....	717 Cross St.
Edna J. O'Dell, Assistant.....	117 Huron St.

# Administrative Organization of the State Normal College

## THE COUNCIL

L. H. JONES, A.M., President.

Frederick H. Pease.  
Daniel Putnam, A.M., LL.D.  
Julia Anne King, A.M., M.Pd.  
Edwin A. Strong, A.M.  
Florus A. Barbour, A.M.  
Benjamin L. D'Ooge, A.M., Ph.D.  
William H. Sherzer, M.S., Ph.D.  
Charles O. Hoyt, Ph.D.  
Elmer A. Lyman, A.B.  
Samuel B. Laird, A.M.  
Dimon H. Roberts, A.M.  
Mark S. W. Jefferson, A.M.  
Fannie Cheever Burton, M.Pd.  
Richard Clyde Ford, Ph.D.  
J. Stuart Lathers, B.L.  
Wilbur P. Bowen, M.S., B.Pd.  
Nathan A. Harvey, Ph.D.

### Standing Committees

The President is ex-officio a member of each committee.

Lectures and Entertainments—Lathers, Pease, Ford, Harvey.  
Library—Hoyt, Putnam, King.  
Advanced Standing—Laird, Jefferson, Strong.  
Athletics—Barbour, Roberts, Gorton, Peet, Magers.  
Year Book—D'Ooge, Lathers, Harvey.  
Student Affairs—King, Burton, Bowen.  
Normal News—Lyman, Ford, D'Ooge.  
Extra Studies—Jefferson, Strong, Laird.  
Teachers' Bureau—Roberts, Sherzer, Hoyt.

### Office

Frances L. Stewart, Clerk.....314 Cross St.  
Agnes Morse, Stenographer.....208 East Cross St.  
Katherine B. Joslyn, Stenographer.....202 Parsons St.  
Anna M. Yorks, Stenographer.....615 Forest Ave.

### Superintendent of Buildings and Grounds

John W. Stevens.....509 Ellis St.

# The Michigan State Normal College

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## LOCATION

The Normal College is located at Ypsilanti, Washtenaw County. Ypsilanti is on the main line of the Michigan Central Railroad, over which it is readily accessible from all points on the various divisions of the Michigan Central system. The Ypsilanti branch of the Lake Shore & Michigan Southern gives a means of approach from the south and west. The D., Y., A. A. & J. electric line passes through the College campus, giving communication every half hour with Detroit, Ann Arbor, Jackson and intermediate points. The same electric line makes connection with the Ann Arbor Railroad at Ann Arbor, and with the Pere Marquette system at Wayne, and at Detroit and Jackson with the various roads entering those cities.

## PURPOSE

"The purpose of the Normal School shall be the instruction of persons in the art of teaching, and in all the various branches pertaining to the public schools of the State of Michigan." This statement, taken from the Act of 1889 revising and compiling the school laws, clearly indicates the guiding principle in all that relates to the College. It is with this purpose in view that selection of teachers is made, that courses of study are arranged, libraries and laboratories equipped, and a Training School of ten grades and kindergarten is conducted. The law quoted above also provides that, before being admitted, all applicants shall sign a declaration of intention to teach in the schools of the state. The institution stands for three essentials in the preparation of the teacher: (1) a high grade of scholarship; (2) the study of education as a science; (3) practice in teaching under expert supervision and criticism.

## HISTORY

The Michigan State Normal School was the sixth state normal school in the United States, and the first west of the Allegheny

Mountains. The law establishing it was enacted in 1849, and its first class was graduated in 1854. The average enrollment down to 1860 was 297; from 1860 to 1870, 347; from 1870 to 1880, 346; from 1880 to 1890, 537; and from 1890 to 1900, 975. The enrollment for the present year up to April 1 is 2430. Besides this rapid increase in numbers, there has been, during the last few years, a considerable increase in the number of students remaining through the year. Another notable gain has been in the better preparation of students. Since 1890 the number of preparatory students has steadily fallen, while the number of graduates of approved high schools has steadily risen. There has been more than a proportionate growth in the number of teachers, the original number of five having increased to twelve in 1880, and the Faculty now reaching a total of 80. The school for a number of years has been doing work of collegiate grade, and the legislature of 1897, in recognition of this fact, authorized the State Board of Education to designate the school, in the courses leading to life certificates and degrees, by the name of Michigan State Normal College. Under the action of the Legislature of 1903 the State Board of Education has organized courses leading to the degree of Bachelor of Arts in Education.

### GROUNDS

The original site chosen for the School contained a little less than six acres, situated on high ground overlooking the city, which lies in the Huron valley. This was increased by something over an acre in 1893, when a piece of ground lying to the south was purchased for the location of the Gymnasium. In 1895 the city of Ypsilanti purchased and presented to the College about five acres adjoining on the north. Since that time the state has purchased four acres more, and the citizens of Ypsilanti by public subscription have purchased ten acres more, making a total of thirty acres, upon which are located the College buildings, the heating plant, and the athletic field.

### BUILDINGS

The original building, erected in 1852, was destroyed by fire in 1859 and immediately rebuilt. This second building now stands as the central part of the main building. The front part was added in 1878, the west addition in 1882, the north and south wings in 1888, giving the building as now used the form of a cross, with a length of about 300 feet in each direction. The main building contains over sixty rooms, including class rooms, the assembly hall, the library, the offices of the President, the State Board of Education, the Clerk, and rooms for the Literary Societies.



The Conservatory building has recently been remodeled and greatly improved. It contains fifteen rooms, which are used exclusively by the Music Department.

The Gymnasium, erected in 1893, contains six rooms and is fully occupied by the department of Physical Training.

The Training School Building is a modern structure planned to accommodate eight grades and a kindergarten, and contains offices, recitation rooms, and an assembly room, in addition to the grade rooms.

A new science building has recently been erected for the accommodation of the science departments. Spacious and well equipped class rooms and laboratories are provided for both the physical and biological sciences.

Starkweather Hall, the gift of Mrs. Mary Starkweather, is a substantial and beautiful stone building, and is used by the Christian Association.

#### EQUIPMENT

The library contains 29,000 volumes, admirably selected and easily accessible. There are well equipped laboratories for the various lines of science work, the outfit including, in all cases, such apparatus as it is possible to obtain and use in high schools, as well as the more extensive and costly equipment suitable for a college. In the Department of Music there are provided a fine pipe organ and an adequate number of pianos. The Physical Training Department has two fully equipped gymnasiums, affording opportunity for 500 students daily. The College is well supplied with examples of the best art, including a large number of casts of the best classic statuary, and a still larger number of photographic reproductions of the work of the world's best painters, which have been placed in the library, halls, and various class-rooms.

More complete information as to details of the equipment of the College is given below.

#### LOAN FUND

The State Legislature in 1899 passed an act providing "that five or more persons of full age, residing in the State of Michigan, may associate and incorporate themselves together for the purpose of establishing loan funds for the benefit of schools, scholars, and students of this state, to assist them to attend the State Normal College at Ypsilanti, the Central Michigan Normal School at Mt. Pleasant, and other State Institutions."

A corporation organized in accordance with the provisions of this Act "shall be under the general management of not less than five or more than fifteen trustees," and "shall in law and equity

be capable of taking and receiving real and personal estate, not exceeding twenty-five thousand dollars in the aggregate, for the purpose of its incorporation." (Public Acts of 1899. Act No. 250, pages 389-391.)

Within the past year a society has been organized under these laws and a beginning has been made toward the administration of such a trust.

Funds to the amount of over \$500.00 have already been acquired, and it is believed that, now that a beginning has been made, large additions will be made to this loan fund.

## The Library

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The library numbers 29,000 volumes. The accessions are very evenly distributed among the departments, with a fair proportion for general reference books and for literature in a broader sense than the demands of class-room work would require.

The reading room has comfortable seating capacity for 130, but it is often overcrowded. Two thousand five hundred volumes are free of access, and also the current numbers of periodicals and newspapers. These books comprise: (1) General dictionaries, cyclopedias, commentaries, atlases, miscellaneous books of quotations, and literary helps and compendia, year books, almanacs, etc., etc. (2) All the bound files of general magazines, with Poole's index, the Cumulative index and the Library index. (3) Public documents, including the Congressional record, Census reports and others most used by the classes in Political science and by the Debating clubs.

The stack rooms are well arranged both for convenience and lighting, but have been overcrowded for three years. During the summer their capacity was increased one-third by the construction of a glass floor and a second story, six shelves high, on top of the old stacks.

The iron stacks of the Library Bureau are used. The Dewey classification is followed. The library is open from 7 a. m. to 5:30 p. m. on school days and from 7 a. m. to 12:00 m. on Saturdays.

Access to the shelves is restricted to students who assist for an hour a day in the library. Students desiring this work apply to the librarian; a regular hour is assigned for the quarter, and promptness and regularity are demanded. No credits are given for this work; but the free access to the shelves at all times during the day, the knowledge acquired of books and library work, and certain other privileges, are considered a good equivalent. There are sixty student assistants, all of whom work two quarters, many work longer. The librarian meets the new assistants one hour a week for instruction in practical library methods and reference work. Besides the service at the delivery desk, special work is assigned to each student.

The department libraries of from 100 to 300 volumes each, have increased. These constitute an effective addition to the

equipment of the class room for ready and special reference. Several of the departments have special card catalogues of subjects relating to their particular work. These give more complete and detailed reference than would be possible in a general catalogue of the library, and greatly facilitate the research work of the students.

The connection between the library and the Training School is very close. Each grade room has over 100 volumes as a school room library, and every hour many volumes go from the library for supplementary reading and illustrative helps in teaching.

In the reading room are the following periodicals:

- |   |  |
|---|--|
| Advocate of peace.  | Bulletin of geological society of America. |
| American chemical journal.                                  | Catholic world.                            |
| American education.   | Centralblatt für physiologie.              |
| American gymnasias.   | Century magazine.                          |
| American historical review.                                 | Charities and commons.                     |
| American journal of archaeology.                            | Chautauquan.                               |
| American journal of philology.                              | Classical journal.                         |
| American journal of physiology.                             | Classical philology.                       |
| American journal of psychology.                             | Classical review.                          |
| American journal of science.                                | Contemporary review.                       |
| American journal of sociology.                              | Cosmopolitan.                              |
| American naturalist.  | Critic.                                    |
| American ornithology.                                       | Cumulative book index.                     |
| American physical education review.                         | Cumulative index to periodicals.           |
| Annalen der physik.   | Cumulative book review digest.             |
| Annals of American academy of political and social science. | Detroit Free Press.                        |
| Art journal (London).                                       | Detroit public library bulletin.           |
| Astro-physical journal.                                     | Deutsche rundschau.                        |
| Athenaeum.  | Dial.                                      |
| Atlantic monthly.   | Edinburgh review.                          |
| Biological bulletin.  | Education.                                 |
| Bird-lore.  | Educational review.                        |
| Blackwood.  | Electrical world.                          |
| Bookman.  | Elementary school teacher.                 |
| Botanical gazette.  | Etude.                                     |
| Brush and pencil.   | Euphorion.                                 |
| Bulletin of Amer. geog. society.                            | Fortnightly review.                        |
| Bulletin of Amer. math. society.                            | Forum.                                     |
| Bulletin of bibliography.                                   | Gartenlaube.                               |
|   | Geographical journal.                      |
|   | Geographical teacher.                      |
|   | Geologisches centralblatt.                 |
|   | Harper's monthly.                          |

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| Harper's weekly.                               | North American review.                             |
| Hibbert journal.                               | Notes and queries.                                 |
| House beautiful.                               | Outing.  |
| Index medicus.                                 | Outlook.   |
| International journal of ethics.               | Pädagogische zeitung.                              |
| International quarterly.                       | Pedagogical seminary.                              |
| International studio.                          | Petermann's mitteilungen.                          |
| Johns Hopkins university<br>circulars.         | Philosophical review.                              |
| Journal of American chemi-<br>cal society.     | Popular astronomy.                                 |
| Journal of education, New<br>England.          | Popular science monthly.                           |
| Journal of geography.                          | Posse gymnasium journal.                           |
| Journal of geology.                            | Primary education.                                 |
| Journal of pedagogy.                           | Psychological bulletin.                            |
| Journal of political economy.                  | Psychological review.                              |
| Kindergarten magazine.                         | Public Libraries.                                  |
| Kindergarten review.                           | Public opinion.                                    |
| Knowledge.                                     | Publishers' weekly.                                |
| Library index.                                 | Recreation.  |
| Library journal.                               | Review of reviews.                                 |
| Little folks.                                  | Revue des deux mondes.                             |
| Living age.                                    | Revue internationale de l'en-<br>seignement.       |
| McClure's magazine.                            | Revue pédagogique.                                 |
| Manual training magazine.                      | Ryerson public library (Grand<br>Rapids) bulletin. |
| Michigan Christian Advocate.                   | St. Nicholas.                                      |
| Michigan political science.<br>assoc. reports. | School and home education.                         |
| Mind and body.                                 | School arts book.                                  |
| Moderator topics.                              | School review.                                     |
| Modern language notes.                         | School science and mathe-<br>matics.               |
| Monist.  | Science.   |
| Musical courler.                               | Scientific American.                               |
| Nation.  | Scientific American suppl-<br>ment.                |
| National geographic mag-<br>azine.             | Scottish geographical magazine.                    |
| Nature.  | Scribner's magazine.                               |
| Nature Study review.                           | Teachers' college record.                          |
| Neueren sprachen.                              | Teachers' magazine.                                |
| New Education.                                 | U. S. Bulletin of department of<br>labor.          |
| New York teachers' mono-<br>graphs.            | U. S. Catalogue of public docu-<br>ments.          |
| Nineteenth century.                            | U. S. Census bulletins.                            |
| Normal college news.                           | U. S. Congressional record.                        |
| Normal instructor and<br>teachers' world.      | U. S. Consular reports<br>(monthly).               |

- U. S. Consular reports (special). Youths' companion.  
 U. S. Monthly summary of commerce and finance. Zeitschrift für physikalischen u. chemischen unterricht.  
 U. S. Monthly weather review. Zeitschrift für die reform der höheren schulen.  
 U. S. Smithsonian miscellaneous collections. Zeitschrift für diätetische u. physikalische therapie.  
 World's work.  
 Ypsilanti daily press.

Besides those enumerated above, which are for general use, the following periodicals are taken regularly for the Training School.

#### TRAINING SCHOOL.

Little folks .....	Grades 1, 2 and 3
Kindergarten Review .....	Grade 1
Kindergarten magazine .....	Grade 2
St. Nicholas .....	Grade 4
Popular educator .....	Grade 4
Youth's companion .....	Grades 5 and 7
Normal instructor .....	Office

The library has been designated a "Remainder Depository" for United States Public documents, which facilitates the procuring from the general government of such documents and reports as are of the greatest value to the College.

# Laboratories

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## BIOLOGICAL

The new science building greatly increases the facilities for biological study. Two large well-lighted laboratories are devoted to zoölogy and botany, while two smaller rooms are reserved for advanced work in these subjects. The laboratories and lecture rooms contain fairly complete collections for illustrative purposes and for systematic study, supplemented with charts and models. The department possesses a full equipment of compound dissecting microscopes, microtomes, tanks and aquaria, and the apparatus and instruments required for modern biological work. The herbarium contains some three thousand five hundred mounted plants from various sections of the United States and Canada. A large greenhouse, an artificial pond and a series of botanical gardens supply much material for study and class-room illustration. A vivarium adjoins the Nature Study lecture room in which are kept for observation the animal forms desired for grade work.

## PHYSIOLOGICAL

In addition to the zoölogical collection, which is used in the comparative anatomy, the college possesses a life-size manikin of French manufacture, articulated and unarticulated skeletons, numerous models, special preparations, apparatus, charts, photographs, and lantern slides. A complete series of microscopic mounts has been added during the past year. The State Board of Health liberally supplies the department with its pamphlets relating to the nature, spread and restriction of contagious diseases.

## GEOLOGICAL

By means of purchases and donations the department has gotten together good working collections of minerals, rocks and fossils. Fairly complete illustrative collections are being arranged in a special room in the new science building, adjoining the laboratory and lecture room. The laboratory is equipped with all needed instruments, apparatus and supplies for practical work upon minerals and rocks. Maps, charts, models, a stereopticon with numerous slides, and a growing collection of pho-

tographs, are used to enrich the class work in geology. A full photographic outfit and dark room are available for those desiring to make use of them. The moraines of the Huron-Erie ice lobe and the series of beaches of the ancient glacial lakes are within easy reach by electric car. The drift of the region furnishes an abundance of common rocks and minerals for individual collecting.

### PHYSICAL

In the new science building thirteen rooms are appropriated to the instruction in physics. Of these five are located on the first floor and include a lecture room, apparatus and preparation room, laboratory for advanced experimental work, dark-room for photometry, and a large dynamo room which is also the laboratory for advanced physical measurements.

On the second floor are seven rooms including the large lecture room, laboratory for Physics 1, 2 and 3, two dark-rooms for photometry and photography, two apparatus rooms, the office-library, and shop.

Both lecture rooms are furnished with direct and alternating electric currents, means for darkening the windows, and lantern facilities. A dynamo-accumulator system installed on the first floor supplies the lecture tables with the necessary current for demonstration purposes.

The apparatus collection of the department contains not only the pieces required for the ordinary demonstration and experimental work, but special equipment has from time to time been procured to illustrate wireless telegraphy, x-ray work, electrical resonance, radio-activity, high potential effects; work with high vacua; diffraction, polariscopic and spectroscopic work; lanterning, photography, etc., etc.

The department library consists of nearly 300 important books of reference on the subjects of physics and astronomy and excellent sets of charts and portraits of scientists. Also a large collection of astronomical and physical lantern slides.

### CHEMICAL

Seven rooms are appropriated to chemistry: A store and dispensing room, a lecture room, a preparation room, a laboratory for elementary chemistry, a laboratory for advanced chemistry, a combustion room, and a combined balance room and library, all supplied with the usual equipment for two and a half years of chemical work.

The lecture room is provided with conveniences for lanterning, for handling gases on a large scale, and for demonstrating the important laws of chemistry.

The balance room contains 14 sets of balances and weights,



9 of which are good analytical balances. There is an excellent chemical library in this room, much used by students.

The laboratory for advanced chemistry contains a good supply of graduated glassware for volumetric work; a number of drying ovens; a Dumas and a Victor Myer apparatus for the determination of molecular weights; and general apparatus for work in physical and organic chemistry.

The laboratory for the work of the first year is especially large, commodious, and well supplied with fittings and apparatus for working out or verifying the principles of the science.

#### ASTRONOMICAL

The astronomical laboratory consists of an open-air observatory upon the top of the science building; an eighteen foot Warner and Swasey dome for the Alvan Clark and Sons' equatorial; a transit room for the Brandis transit, the Negus chronometer and a small chronograph; and a draughting and store room for astronomical photographs, transparencies, charts, etc.

#### TEACHERS' LIBRARY

The Natural Science department has accumulated the nucleus of a teachers' library of texts, guides, helps and supplementary readers. This now includes important works relating to zoölogy, physiology, botany, and geology. Pupils and visiting teachers who desire to make a comparative study of texts, or to learn what is available in these subjects, are cordially invited to make use of this library. The general library is supplied with the important books of reference, periodicals, manuals and advanced texts, relating to the natural sciences.

#### LIBRARY OF PHYSICAL SCIENCE.

The special library of physical science consists of over two hundred books. These are placed in the several laboratories, with facilities for their use. To encourage such use a special card catalogue of scientific topics has been prepared. At present this consists almost entirely of an extension of the method of Poole's Index to scientific periodicals. Some six thousand entries have already been made, and the work is still in progress.

## Societies and Clubs

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### THE ALUMNI

Since the Normal was first opened in 1853 there have gone from it 5,315 graduates, the great majority of whom have taught in the schools of our own and neighboring states. Over 1,900 have been graduated in the last five years, and the greater part of these have been engaged in teaching in Michigan. Individually, these alumni of the institution exert a considerable and wholesome influence in determining the educational policy of the state with which the interests of the State Normal College are inseparably connected. Until recently there has been very little movement towards organization, but within the last few years a marked increase in this direction has been noticeable. Chief among these efforts has been the reorganization of the Alumni Association last year. There have also been of late more and larger alumni reunions, and several class reunions and a considerable number of local organizations have been formed. Such organizations are a power for good, both to the graduates and to their Alma Mater, and deserve our encouragement and support. The following organizations should be mentioned:

### THE ALUMNI ASSOCIATION.

An alumni association has been in existence for many years. Until last year membership was general, the active work of the association being limited to two meetings or reunions, one of which was held at Ypsilanti at Commencement time and the other in connection with the meeting of the State Teachers' Association.

The feeling which has been growing of late that a strong central organization is needed led to the reorganization of the association at the June meeting last year and resulted in placing it upon a permanent basis. An arrangement was concluded whereby the Normal College News is made the organ of the association and the general manager of the News also becomes the general alumni secretary. The membership fee and the News subscription are the same (one dollar) and either includes the other. All graduates, former and present members of the

faculty and former students are eligible as members of the association. The payment of twenty-five dollars in five yearly payments of five dollars each entitles to life membership.

For the present the work is being pushed chiefly along the following lines: 1. The compilation of an alumni directory which shall contain as nearly as possible the names, addresses, vocations and other information of graduates and former students. This is done as a necessary pre-requisite to effective organized work later. 2. The holding of decennial class reunions at Commencement time in addition to the two yearly meetings already mentioned. The classes of 1856, '66, '76, '86 and '96 meet in June 1906. Classes of 1857, '67, '77, '87, and '97 meet in June, 1907. 3. The distribution of information about the College and its graduates, chiefly through the columns of the Normal College News, keeping alive at the same time interest in the institution and the association. 4. The organization of county alumni clubs, whose purpose shall be to foster the interests of the College.

The association gives promise of becoming a great active force for good and deserves every encouragement. Correspondence giving information about former students or members of the faculty is solicited and should be addressed to the Alumni Secretary, care of the College.

#### THE U. OF M. NORMAL ALUMNI ASSOCIATION.

This association was formed early in the year 1896-7, "for the purpose of uniting and binding the acquaintanceships, efforts and sympathies of those interested in the future welfare and prosperity of the State Normal College as an institution; to keep in close communication with it, to foster a kindly feeling between it and the University, and to promote the interests of ex-Normal students at large." The membership is large and much substantial service has been rendered along the lines mentioned above.

#### THE CONSERVATORY ALUMNI ASSOCIATION.

This association was formed in the spring of 1897. Each year a reception is given immediately following the Commencement-week concert of the Ypsilanti Choral Society. Visiting alumni, the Conservatory juniors, and members of both Conservatory and College faculties are invited. The opportunity for Conservatory graduates to meet and renew interest in one another and in the work, and to make the acquaintance of new members among the alumni is one to be greatly appreciated.

It is the intention to hold one of these receptions every year. The association has members not only in many states of the union, but others perfecting themselves in the studies beyond the sea.

#### THE ATHLETIC ASSOCIATION.

The athletic interests of the school are managed by a joint committee, representing the Faculty and the Students' Athletic Association. This method of supervision creates confidence in the work of the organization and insures the wise conduct of its affairs. A new athletic field, large and well graded, furnishes ample opportunity for the practice of the usual outdoor sports. The various clubs and teams are trained under the supervision of the department of Physical Education, the work of the men forming a part of the regular work of the department, as outlined in the Department notes.

Training work in outdoor athletics is in charge of a special coach, who also acts as assistant in the department.

In the Gymnasium, which is one of the most convenient in the state, bathing facilities, lockers, etc., are furnished without expense to students.

Each student contributes one dollar per year for the support of the association and is thereby entitled to a season ticket to all the games. The affairs of the association are in a flourishing condition, and its work contributes much to the formation of a loyal college spirit, besides affording good, healthy exercise and entertainment for our student body.

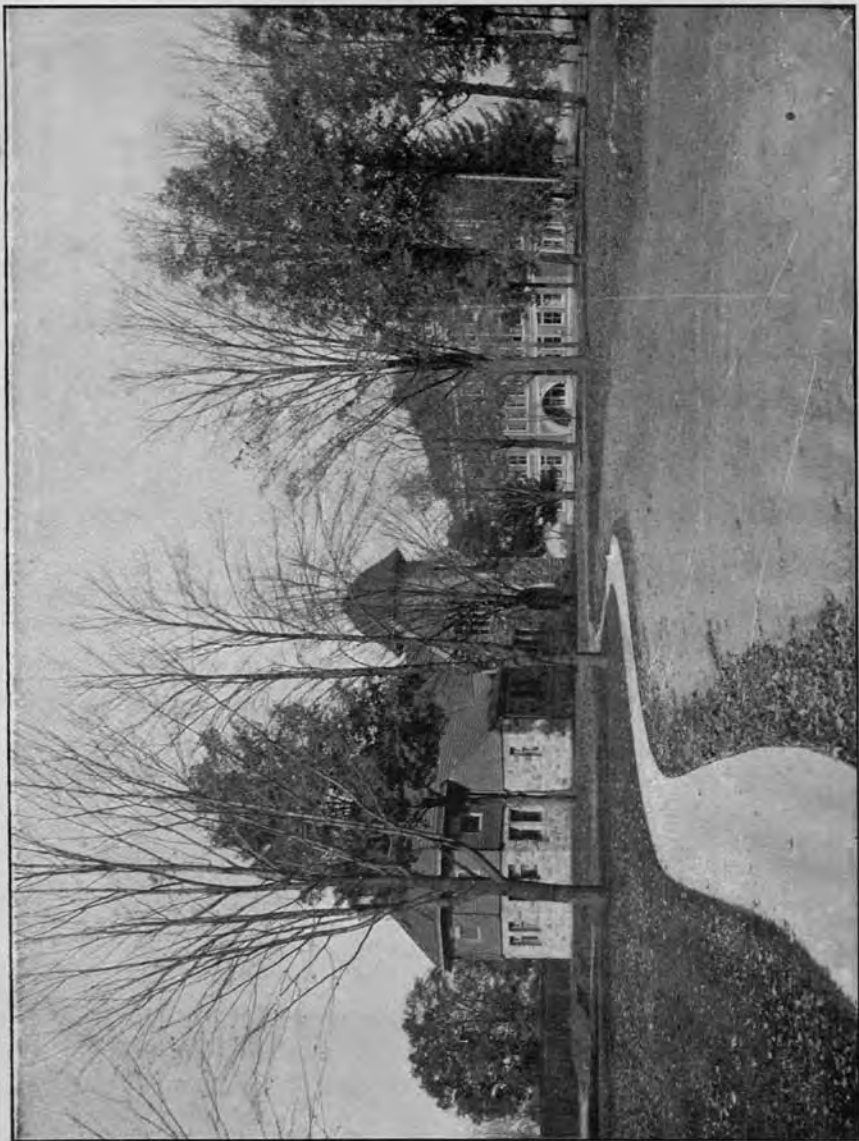
#### STUDENTS' CHRISTIAN ASSOCIATION.

This organization consists of two societies—the Young Women's Christian Association and the Young Men's Christian Association. Both are in a prosperous condition and hold two meetings a week—a union prayer service on Wednesday evening, and separate meetings on Sunday afternoon.

Bible study is strongly emphasized, and intelligent interest in missions is awakened. Starkweather Hall, the gift of Mrs. Starkweather, of Ypsilanti, is the center of religious interest in the College.

An employment bureau is connected with the association. Its aim is to aid students in finding some kind of remunerative service, whereby a portion of their college expenses can be defrayed.

Starkweather  
Hall  
and the  
Science  
Building



### SHAKESPEARE CLUB

A class, studying Shakespeare with Miss Pearce, organized in 1897, a club for the purpose of continuing painstaking, critical study of the works and life of Shakespeare. The purpose of the original organization is still the purpose of the club. Intensive rather than extensive study has been preferred by the members. Each year two of Shakespeare's plays are studied, special attention being given to the origin, structure and development of the plot. The study of the characters also adds much to the interest of the work. The club holds its meetings semi-monthly, and the work for the evening is arranged by some member appointed as leader. The membership is limited and admission to the club is granted only by invitation.

### GERMAN CLUB.

This is an organization designed to give the students of the German classes an opportunity to cultivate a facility in German conversation. Interesting programs of an informal nature are carried out by the members. Meetings are held every two weeks, on Friday evenings, from six-thirty to seven-thirty o'clock.

### THE YPSILANTI CHORAL SOCIETY.

The Normal Choir, which has been in existence since the beginning of the school, has now been merged into the Ypsilanti Choral Society—a change that has resulted in renewed interest in musical matters.

By commencement time ten entertainments will have been given by the society.

The opera of "Martha," by Flotow was given for the Commencement Concert. The title role was sung by Miss Donna Louise Riblet, soprano, a graduate of the Conservatory. The alto part, Nancy, was taken by Mrs. Annis Gray, of the Conservatory faculty, the tenor part, Lionel, by Mr. Arthur Wilkie, of Detroit, the baritone part, Plunkett, by Mr. Fred G. Ellis, Sir Tristram, by Mr. Milton Cook, and the Sheriff, by Mr. Stanley Wilson.

The first appearance of the Choral Society this year was in the rendition of "When the heart is young," just composed by Mr. Frederic H. Pease. Poem by Charles Swain.

On February 12 was given Haydn's Oratoria, "The Creation," with Mlle. Anita Rio, soprano, of New York City, Mr. William Lavin, tenor, of the Conservatory faculty, Mr. J. Francis Campbell, basso, of Detroit, and Mrs. Annis Gray, contralto. The orchestra consisted of selected musicians from Chicago Symphony Orchestra.

For the Commencement Concert, which will take place earlier than usual this year, "The Erl-King's Daughter," by Niels W. Gade, will be given.

### THE LITERARY AND ORATORICAL SOCIETIES

The organization of the Normal Lyceum dates back to the early history of the school. It consists at the present time of the Olympic, Athepaeum and Crescent societies. Each of these societies is limited to a membership of forty. The work is of a general literary character, consisting of readings, recitations, essays, orations, music, etc., and is practically the same in each society. During the year the societies give two joint public programs in Normal Hall, electing for participants on this occasion their most faithful and capable members. Each society has a room of its own, tastefully furnished and provided with a piano.

The Oratorical Association, both in purpose and organization, is closely allied to the Lyceum. The societies contribute to the support of the Oratorical Association. During the past year the association has distributed prizes to the value of one hundred and fifty dollars in the annual oratorical contest and debate.

In connection with these organizations should also be mentioned the Webster, the Lincoln, the Portia and the Minerva debating clubs. These clubs are limited to sixteen members each, and are organized purely for the purpose of debate. The work is done under the supervision of the department of Reading and Oratory, and has proved very valuable for those who wish to perfect themselves in public speaking.

### THE NORMAL COLLEGE NEWS.

The Normal College News has been in successful operation for a number of years. An important change in its plan of operation was instituted three years ago in that it was changed from a monthly to a weekly publication. It was hoped in this way there would be a more vital relation between the paper and the life of the College in its various phases. The great success of the enterprise since that time has more than justified the wisdom of the change. The publication has grown to such an extent that by special arrangement with the State Board of Education the general manager is made a member of the faculty.

Three issues of each month are in newspaper form and are devoted mainly to College affairs. These constitute the student and alumni organ of the College and are in the hands of members of the student body. Excellent opportunity is furnished in this way to a limited number of students who have distinguished themselves in literary work, for training in journalistic writing.

The fourth number of each month is in magazine form and

is devoted entirely to educational subjects. From an ordinary college paper it has grown to be a strong pedagogical journal, whose influence is felt throughout Michigan and in the neighboring states. It reaches every high school in our commonwealth and has enlisted among its contributors many of the strongest educational writers. It is edited by a committee of the College faculty, and aims to extend the influence of the institution to teachers everywhere by furnishing them with the best approved pedagogical thought of the day. Its articles are published solely with this end in view and are uninfluenced by commercial reasons. Among the contributors during the year were Professor C. W. Burkett, North Carolina College of Agriculture and Mechanic Arts; Professor J. E. Church, University of Nevada; Professor M. G. Brumbaugh, University of Pennsylvania; Professor John E. Lautner, Marquette Normal School; Professor J. B. Faught, Marquette Normal School; Professor Downing, Marquette Normal School; Supt. C. L. VanCleve, Mansfield, Ohio; Mr. W. H. Bronson, St. Johns, Mich, and others, besides members of the Normal College faculty. The leading feature during the year has been a series of papers with original maps and illustrations on the Geography of the Lake Region, furnishing excellent material for the teaching of Michigan Geography, by Professor Jefferson. During the year 1906-07 will be published a series of papers on the course of study prepared by the faculty of the College Training Department. These will include all branches of the common and high school courses. This work has been in preparation for some years and will be of great value to teachers everywhere. Many educators of national reputation will be among the contributors during the coming year, and will make the magazine numbers of permanent value to teachers and others interested in educational work.



## Normal College Extension Lectures

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The State Normal College hopes in the future to be helpful in developing and improving the educational work in city, village and rural communities, by allowing its faculty members to give single lectures or courses of lectures at educational and social meetings. Members of the faculty of the College, so far as their regular work will allow, will give lectures as indicated below. The only charge made for these lectures will be necessary railroad and hotel expenses. The occasions will include addresses to high school students, grange meetings, farmers' clubs, lecture associations and literary societies, in cities, villages, or rural communities. The most convenient dates are, of course, Friday evenings and Saturdays. Normal College professors also give Commencement addresses and do Institute work for which regular charges are made.

Persons wishing to avail themselves of these extension lectures should write the president, expressing their preferences, when some member of the faculty will be assigned to the date. Especial attention will be given to Alumni clubs throughout the State. Under such extension lectures the following courses are offered:

### President Jones—

Young People I Have Known and What Became of Them.  
The Teaching of Patriotism a National Duty.  
Eminent Educators I Have Known.  
The School and the Child.  
Consolidation of Rural Schools an Educational and Social Necessity.  
Ideals the Basis of Character Development.  
Some Social Conditions Which Need Improving.

### Professor S. B. Laird—

Twentieth Century Education.  
Scope and Value of an Education.  
Adolescence.  
School Discipline.  
Abnormal School Fatigue and How Partly Eliminated.

**Professor C. O. Hoyt—**

Pestalozzi, the Swiss Reformer.  
 Froebel and the Kindergarten.  
 Our Educational Inheritance.  
 Thomas Jefferson as an Educator.  
 "The Great Stone Face."

**Professor F. A. Barbour—**

The Educative Value of Language Study.  
 The Educative Value of Music.  
 Can Literature Be Taught?  
 Principles Underlying English Composition.  
 The Imaginative Reading of Shakespeare.

**Professor Benj. L. D'Ooge—**

Recent Educational Movements.  
 The Successful Teacher.

The following lectures are illustrated with the stereopticon. There will necessarily be an additional charge for lantern and operator unless these are furnished by the locality.

The Rise and Development of Greek Art.  
 Athens in the Days of Pericles.  
 Tours in Greece.  
 Rome in the Days of the Caesars.  
 The Roman Forum.  
 Classic Sites in Sicily.  
 Life in Ancient Pompeii.

**Professor R. C. Ford—**

Some Demands of the New Century.  
 A Boy's Trip to the Orient.  
 What I Saw in the German Schools.

**Professor E. A. Strong—**

The Forces of Nature.  
 The Properties of Matter.  
 as ordinary substitute work; or more formal lectures on  
 The Life and Work of Galileo,  
 The Life and Work of Newton,  
 Recent Views of the Constitution of Matter,  
 or lantern lectures, at an expense of \$20.00 each, on—  
 The Moon in Science, Song and Story,  
 Astronomical Observatories and Observers.

**Professor E. A. Lyman—**

Historical Sketch of the Origin of Arithmetic,  
 Illustrated by old texts.  
 Historical Origin and Development of Measures of Length,  
 Weight, Time, etc.

**Professor M. S. W. Jefferson—**

Russia and Japan.  
 The Argentine Republic  
 Winds and Climates.  
 Norway.

**Professor Nathan A. Harvey—****Popular Scientific Lectures, Illustrated:**

Beside the Still Waters. A lecture on Microscopic life.  
 The Psychology of Insects.  
 The Cecropia Moth, and Other Moths.  
 Extinct Animals.  
 The Growth of Plants.  
 The Ragweed. A study in adaptation.  
 Everyday Chemistry. Illustrated by experiments.

**Pedagogical Lectures:**

Periods of Child Growth.  
 The Public School in the Light of New Demands Made  
 Upon It.

The Course of Study.  
 The Theory of Play.

**General Lectures:**

The Worth of a Man.  
 The Culture of Men.  
 The Education of Farmers' Sons and Daughters.

**Professor Dimon H. Roberts—**

Does Education Pay?  
 Our Debt to the State.  
 Elements of Success.  
 Character Building.  
 Is the School Course Overcrowded?  
 Fads.  
 The Culture Element in Education.

**Professor J. Stuart Lathers—**

Macbeth—A lecture recital.  
 Julius Caesar—A lecture recital.  
 Meandering in a Library  
 A miscellaneous reading recital.

## The Normal Lecture and Music Course

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During the season of 1905-06 the following entertainments were given in the College Hall, under the auspices of the College Faculty. Tickets to these entertainments are sold at as low a price as is consistent with paying the expenses of the course.

Nov. 6—Frank W. Gunsaulus.

Nov. 10—Arthur Foote and Mrs. Seabury Ford.

Dec. 12—Herbert Witherspoon.

Jan. 10—Jacob Riis.

Feb. 1—John Temple Graves.

Feb. 12—Normal Choir Concert.

Mar. 12—William Hawley Smith.

May 3—Leland T. Powers.

In addition to the lectures given in the regular course speakers of note are frequently secured to address the students at chapel, or on other occasions.

## General Items

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### DISCIPLINE

The State Normal College is supported by the taxpayers of Michigan, and is responsible to the state for the character and scholarship of those it sends out to teach in the public schools. The administrative authorities have therefore adopted the policy of asking such students as are found not to be adapted to school work to withdraw from the institution. Students who fail to pass in a large part of their work, or whose character and habits are such as to unfit them in any sense for the important work of teaching, cannot expect to complete the course and receive the sanction of the authorities of the institution. Every effort will be made to encourage, direct and assist all worthy students, but those who do not show promise of good results or are otherwise unfit to go into the public schools as teachers, will be asked to withdraw.

### THE TEACHERS' BUREAU.

The Teachers' Bureau consists of a committee of the Faculty, which seeks to place each graduate of the institution in the position best adapted to his qualifications. These qualifications are determined by a careful examination of the student's complete record as shown by his work done not only in the Training School but also in the various departments of the College. The Bureau in this way seeks to do full justice to every student, and is able to give exact and discriminating information to school officials seeking teachers. During the current year the work of the Bureau has been extended to include all graduates of the College teaching in the state, with the view of giving them all possible assistance in advancing their professional interests. Full and confidential information will be sent school officials concerning candidates. It is our policy not to send out general letters of recommendation for indiscriminate use, but to recommend a candidate for the particular position that he is qualified to fill. A large number of the members of the graduating class have had considerable experience in teaching besides that obtained in the Training School. There are among our students and graduates persons admirably fitted for the various high school principalships and superintendencies. School authorities

are invited to visit Ypsilanti and see the students at work, and make selections of teachers after a personal interview. All letters of inquiry will receive careful attention.

During 1906-7 the Bureau will consist of the following: Professor Dimon H. Roberts, Professor William H. Sherzer and Professor Charles O. Hoyt.

### School Fees

Every student is required to pay at the beginning of each quarter, or upon any subsequent entrance for the quarter or for any part of a quarter, an entrance fee of three dollars (\$3.00). This is not returnable because of withdrawal after the student has once regularly entered.

Students in the Conservatory of Music who carry subjects in the Normal courses, pay the same entrance fee as do others. Conservatory students who take private lessons only pay each quarter an entrance fee of one dollar and a half (\$1.50).

Every student is required to pay one dollar for the support of the Athletic Association, and receives in return a season ticket to all the games.

At the Gymnasium a deposit of 25 cents is required for the use of a locker key, upon return of which the money is refunded.

Laboratory fees will be collected in amounts varying from twenty-five cents to one dollar, according to the subjects taken.

### Rooms and Board

The school provides no dormitories. Abundant and usually convenient rooms may be had at reasonable rates in the homes of the citizens of Ypsilanti. Board and rooms may be had in the same family or separately. The latter is perhaps the more common. Rooms may be rented, furnished or unfurnished, by persons who wish to board themselves. Board alone may be had either in clubs or in private families. Board and room in families costs \$3 to \$4 per week. Fuel and lights are generally counted extra. Rooms alone, furnished for two, may be rented for 75 cents to \$1.25 each per week. Students rooming alone pay double rent or nearly so. Board in clubs may be had for \$2.00 to \$2.50 per week.

An approximately correct estimate of all school expenses, including room, meals, school fees and incidentals may be put as follows:

**Estimated Total Expenses per Term of 12 Weeks**

Room and board, twelve weeks.....	\$36 00
Fuel and lights .....	6 00
Laundry and incidentals.....	6 00
Books and stationery.....	7 00
Registration and other fees.....	5 00
Total.....	<u>\$60 00</u>

## Accepted Schools

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Recognizing the importance of a permanent connection between the secondary schools of the state and the Normal College, the Board of Education has adopted a plan whereby formal recognition is given to the work done by the public school system of Michigan. The following extracts from the minutes of the Board explain fully the new policy:

"The Michigan State Normal College recognizes that there is a public school *system* in Michigan. It proposes, therefore, to give due credit for all work done in the public high schools of the commonwealth that are organized in accordance with the prevailing standard for such work in this state. This recognition constitutes an important change of policy of a higher state institution toward the public high school. The following extracts from a resolution passed by the State Board of Education, at the request of the President and heads of departments of the College, quite fully express this change of policy:

1. That all pupils regularly graduated from twelve-year public-school systems having not less than thirty-six weeks per year, in which four years are devoted to high-school work, be admitted to the regular two-years' life certificate college course without examination.

2. That all pupils who have finished not less than two years of high-school work in a twelve-year course, as above outlined, be admitted on their record to the four-years' life certificate course in the Normal College, receiving credit on the course for all work which they may have already done beyond the first two years of the high-school course. Students are urgently advised, however, to complete the high-school course at home, as no time can be gained on the Normal College life certificate course by taking any high school work at the College.

3. That all pupils unable to maintain a satisfactory standing during the first term in the Normal College, may, in the discretion of the Faculty in each case, be dropped from the roll of the school, or required to repeat the work not satisfactorily completed on first trial; and that all such cases be reported back to the high schools from which they come, with the facts in each case, to the end that the superintendent and principals of high



schools throughout the state may learn what our standard of requirement is, and take measures to prevent pupils from coming to us without due preparation; and that should successive cases of defective preparation be found to come from certain schools, the privilege of admission without examination may in the discretion of the Faculty be withdrawn from graduates of such schools."

### SUGGESTIONS TO HIGH SCHOOLS.

The following suggestions are offered to high schools:

1. To such as are accepted, that they may maintain the required standard of work.
2. To such as are not accepted, that they may give proper preparation to their students in such of the prescribed subjects mentioned below as their limited resources enable them to offer.

#### Botany

The work desired in this subject should cover half a year and be such as is now being done in the better high schools of the country with the use of some of our modern texts. Laboratory methods should be employed, and a set of carefully prepared notes and drawings should be kept. No expensive equipment is needed, the ordinary hand magnifiers being sufficient. About half the course should be devoted to the study of typical seeds, their structure and germination, plant physiology from simple experiments, and the structure and function of root, stem and leaf. The other half of the course should aim to give the pupil a practical acquaintance with the chief characteristics and relationships of the common families of plants and secure for him some facility in the use of a standard key.

#### English

**GRAMMAR.**—Thorough familiarity with inflections, the rules of syntax, and the logical structure of the English sentence is essential. The ordinary eighth grade study of grammar is an inadequate preparation for the teachers' review in the Normal College. There should be a term's review of this subject in the latter part of the high school course.

**RHETORIC.**—A study of the elementary principles of style, together with continued practice in composition, is necessary. It is deemed of special importance that the writing of high school students should, for several years, come under the eye of expert, authoritative criticism. Much practice in writing, under competent supervision, is indispensable.

**ENGLISH LITERATURE.**—A year's study of representative English classics, connecting the study of each classic with the literary characteristics of the historical period to which it be-

longs, is essential. This course should include an elementary course in the history of English literature, and a year of study in addition to the so-called English classics required in all courses.

### History

Only those subjects which have a practical bearing upon the teaching of our National History are necessary; these are English history and United States history with civics.

General history, though not considered essential, should always find place among high school subjects.

The order is determined by the nature of the subjects. General history precedes and prepares the way for the others. English history affords an intelligent basis for United States history, while civics springs from history, and is best understood when studied as a phase of it. One semester of English history, taught with direct reference to our national history, followed by two semesters of United States history with civil government, will give an adequate course.

Good, accurate text-book work, supplemented by the use of maps, pictures, reprints and reference books, will best serve the purpose of the high schools.

### Mathematics

ALGEBRA.—The course in algebra should include fundamental rules, fractions, simple equations, involution, evolution, radicals, and quadratic equations.

ARITHMETIC.—The work in this subject should consist of a semester's review covering the leading topics, and should be preceded by a course in algebra.

GEOMETRY.—The study of geometry should occupy at least one year, and should cover plane and solid (including spherical) geometry.

The work in mathematics outlined above should occupy three years. A review in algebra and geometry should be given in the last year of the high school course.

### Physics

An improved course in physics implies the possession, on the part of the school, of sufficient apparatus, in good working order, to demonstrate the important laws and principles of elementary physics. At least one year, *following geometry*, should be given to this subject. The meter and centimeter and their squares and cubes, the gram, kilogram and liter should be thoroughly taught and much used. For this purpose it is preferred that other terms sometimes found in this system be not used. In addition to the above, a laboratory course of at least forty weeks, an hour per week, is expected in case an equipment for

this purpose can be secured, and the time of the teacher be devoted to this subject for the hour, so that the laboratory work may be efficiently supervised. Graphical work, using geometry freely, is deemed important.

In purchasing apparatus many simple, inexpensive pieces should be preferred to costly and showy pieces, and working apparatus to illustrative apparatus. Special regard should be had to the effective demonstration of *fundamental principles* as opposed to novelties and curiosities. The list for purchase should be made up from the text-book used, and not principally from dealers' catalogues.

The student should become expert in the use of scales, dividers, the balance, a burette, thermometer, barometer, a tuning fork, and a pocket lens.

Special stress should be placed upon fundamental concepts, such as mass, weight, density, energy, and their units of measurement.

The above hints are given to indicate a minimum course in physics and not to suggest any limitation of the work on the part of those schools which can do more.

### Physical Geography

In the teaching of physical geography it is now not only desirable, but also possible to carry out some of the recommendations of the Committee of Ten. At the time when the report was issued not only were there no suitable texts, but the necessary literature was so widely scattered as to be of little value to the average teacher. The new texts and available references that have appeared since that date justify the recommendation that some of the suggestions of the committee be now more generally put into practice.

It is also especially desired that the work be supplemented as far as possible by direct observation, and the construction and use of topographic and relief maps, charts, models, etc. This work may be made very valuable in the study of the atmosphere and weather changes. The "Physiographic Folio," recently issued by the United States Geological Survey containing the topographical maps of ten type regions, suggests the use to which these maps may be put in the teaching of physical geography.

The text is no longer sufficient material to place in the hands of pupils. Students and teachers should have access to a few well selected references in addition to the above-mentioned charts, maps and models. Geography, along with chemistry, physics and botany, has now come to demand its laboratory and laboratory work.

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Such text-books as Davis, Tarr and Dryer are to be recommended. A full year's work is highly desirable.

**Physiology**

A half year's work with some good text, as Blaisdell, or the revised Martin, should be given to this subject. The text should be supplemented with simple individual or class experiments, and an equipment of preparations, models, and charts should be provided.

# Conditions of Entrance

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## ENTRANCE WITHOUT EXAMINATION

Students who are college graduates, or graduates of accepted high schools (see p. 39) will be admitted to the College courses (see p. 47) without examination.

Students who have completed the first two years of the course of an accepted high school will be admitted to the Two Years' Preparatory College Course (see p. 48) without examination.

Students that hold first grade certificates properly endorsed will be admitted to the Two Years' Preparatory College Course (see p. 48) without examination. Such as hold a state certificate will be admitted without examination to the Two Years' College Life Certificate Course (see p. 48). Holders of these two classes of certificates, who have done work in advance of the entrance requirements and who wish credit for the same on their course here will be given examinations in such subjects as they desire to pass.

All students entering without an examination should bring standings from their school as evidence of their fitness to enter upon work here.

The conditions of entrance upon the Rural School Course and the Three-Year-Certificate course are defined on pages 57-58.

## Entrance Examinations

Students coming from non-accepted high schools, or whose entrance credits are otherwise unsatisfactory, will be examined. Such as fall below the requirements for admission to the Two Years' Preparatory College Course (see p. 48) will be classified in the Ninth or Tenth Grade of the Normal Training School, from which they may pass in regular order to the course above mentioned. Candidates for this preparatory work will be examined in the following subjects:

### Arithmetic

The applicant is supposed to have completed the work of some good text. A fair understanding of the subject is necessary for the examination.

### Algebra

The preparatory work includes the following topics: addition, subtraction, multiplication, division, factoring, highest common factor, lowest common multiple, fractions, and simple equations involving one or more variables.

### Grammar

This should include the parts of speech, their use and relations in connected discourse, and the structure and analysis of sentences. The knowledge and understanding of the subject should be somewhat above that required in the first eight grades of the public school or fully equal to the requirements in this branch for a second grade license to teach. The applicant should also have had, accompanying his reading and language lessons, much practice in composition, and be able to express himself in clear and grammatical English.

### Reading and Orthoepy

Correct pronunciation being an essential of good reading, the regular course presupposes a thorough knowledge of orthoepy. The applicant should not only be able to indicate by diacritical marks the correct pronunciation of words in common use, but should possess a good degree of facility in pronouncing them, as to syllabication, accent, articulation and quality. He will also be expected to render intelligently any ordinary selection of prose or verse, giving satisfactory reasons for emphasis, quality, force, pitch, etc., employed by him.

### Geography

All candidates should be familiar with the location and extent of the great countries of the world, of some of their greater cities, and best known mountains, rivers, lakes and adjacent seas.

They should thoroughly know the shape of the outline and of the general surface of each continent and its position on the globe.

The selection of topics for study should be governed by their importance to civilized man rather than by their picturesque or temporary interest.

### United States History

The requirements for admission to the regular course are fully equal to those for a second-grade certificate. The applicant is supposed to have completed some good text, and to have acquired a ready knowledge of the main facts in their causal relations, and to be able to use them intelligently.

### Civil Government

The teachers' course being only twelve weeks, the requirements for admission will be somewhat rigid. The examination will cover fully and in detail a good text-book, in both general and state government.

### Physiology

Applicants should have a familiar knowledge of elementary physiology and hygiene. Such knowledge may be obtained from any of the better high-school texts when they are suitably supplemented with practical work and class demonstration. The student should know that his information is definite, and he should be ready to present simple drawings and diagrams.

# Courses of Study

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## Admission

Students may be admitted at the opening of any quarter.

The several quarters begin on the first Monday of October, January, and April, and continue for twelve weeks.

The conditions under which a student enters will determine the course of study to be pursued. (See page 44.),

By noting the following courses the student will be able to ascertain the character of the work he is prepared to do.

## Courses Offered

### TWO YEARS' PREPARATORY COLLEGE COURSE

Students who have finished the first two years of an accepted high school course are admitted without examination and are classified on a two years' preparatory course (see p. 48) leading to the college courses described below.

### COLLEGE COURSES

The State Normal College offers the following courses of study?\*

I. The Two Years' College Life Certificate Course (see p. 48).

NOTE—This with the Two Years' Preparatory College Course constitutes the Four Years' Life Certificate Course.

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\*For the special course for Critic Teachers, the Specializing Kindergarten Primary Course, the Manual Training Course and the Course in Domestic Science see page 131.



II. The Three Years' College Course (Junior Degree Course) leading to a Life Certificate and the degree of Bachelor of Pedagogics (see p. 54).

NOTE—The first two years of this course are identical with the Two Years' College Life Certificate Course.

III. The Four Years' College Course (Senior Degree Course) leading to the degree of Bachelor of Arts (see p. 54).

NOTE—This course secures the Life Certificate, the degree of B.Pd., and the degree of A.B.

## Description of Courses

### THE TWO YEARS' PREPARATORY COLLEGE COURSE

This course (see p. 52) is strictly preparatory, covering substantially the ground embraced in the last two years of the ordinary high school course. Students who have completed no less than two years of work in an accepted high school may enter on the course without examination, and any work already done beyond two full years of high school work will be credited. In case a subject included in the course has already been taken as part of the first two years of high school work, such subject may be omitted by permission of the head of the department concerned, and an elective from a department taken instead. Such omission shall not, however, reduce the amount of work required for the completion of the course—the elective merely taking the place of the omitted subject.

This course when followed by the Two Years' College Life Certificate Course (see p. 53) constitutes the Four Years' Life Certificate Course.

### THE TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

This course (see p. 53) is designed primarily for graduates of accepted high schools. Such graduates on entering may take either a *general* or a *specializing* course.

**GENERAL COURSE.**—Students taking the General Course must take Elementary Drawing and as electives such required high school subjects (see p. 49) as were not completed in their high school course. Further, eight teachers' courses are required (see p. 51) and at least 12 weeks of electives must be drawn

from each of the following departments: English, History, Geography, Natural Sciences, Physical Sciences, Mathematics (see Electives for Students on the General Course, p. 50).

**SPECIALIZING COURSE.**—Students wishing to specialize in any department will find full liberty within this course. The head of the department in which the student specializes becomes the student's patron. Under the guidance of his patron the student enters at once upon his special line of work and is not required to take omitted high school subjects. He will omit elementary drawing, take but six teachers' courses (see p. 51) and select 12 electives in such departments as his patron shall advise.

The restrictions and regulations governing these two courses leading to a life certificate are further detailed as follows:

#### Required Subjects

The following subjects are required of all students on the Life Certificate Course:

Psychology .....	24	Weeks	
General Method.....	12	"	
History of Education.....	12	"	
Teachers' Courses {	General Students .....	96	"
	Specializing Students.....	72	"
Teaching .....	24	"	
Physical Training (no credit).....	48	"	

The first three subjects named should be taken in the order given above, except by persons on partial courses.

#### High School Subjects Required of all Students not Specializing

The high school subjects which must be credited from accepted schools, or taken as electives here unless a student is specializing, include the following:

Algebra .....	24	Weeks
Geometry .....	36	"
Rhetoric and Literature.....	36	"
English and United States History.....	36	"
Physical Geography .....	12	"
Botany .....	24	"
Physics .....	36	"
Physiology .....	12	"

No further credit will be given for a subject taken in a high school and repeated here.

The Two Years' College Life Certificate Course, whether general or specializing, cannot be shortened by high school credits. It may be shortened, however, by credits from a college, but not to exceed 144 weeks.

**Electives for Students on the General Course**

Students on the general course must choose 12 weeks of electives from each of six departments (see p. 48). This requirement they will satisfy first of all by the election of omitted high school subjects (see last paragraph, p. 49). To such as have finished the required high school subjects the following electives in the several departments are recommended.

**ENGLISH.**

Principles of Criticism 1 (1)\*

**GEOGRAPHY.**

Teachers' Geography  
General Geography

**HISTORY.**

Advanced American History (10)  
Nineteenth Century History (4)  
Advanced English History (9)

**MATHEMATICS.**

Trigonometry (13)  
Higher Algebra 1 (14)

**NATURAL SCIENCE.****BOTANY.**

Cryptogamic Botany (4)  
Plant Physiology (5)  
Plant Ecology (6)

**ZOOLOGY**

Animal Studies (9)  
General Zoölogy (10)  
Vertebrate Structures (11)

**PHYSIOLOGY.**

Advanced Physiology (14)  
Bacteriology (16)

**GEOLOGY.**

Dynamical Geology (18)  
Historical Geology (19)  
Glacial Geology (20)

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\* Figures in parenthesis refer to the courses thus numbered in the different departments. see pp. 67 ff.

## PHYSICAL SCIENCE.

- Chemistry 1 (6)
- Chemistry 3 (9)
- Principles of Physics
- Physical Laboratory Practice (19)

## Teachers' Courses\*

Students on the general course are required to take *eight* Teachers' Courses.

Students who are specializing are required to take *six* Teachers' Courses.

These they will select from the following list:

- |                        |  |
|------------------------|--|
| 1. Arithmetic.         | 10. Physiology.                            |
| 2. Civics.             | 11. Primary Nature Study.                  |
| 3. Drawing.            | 12. Reading.                               |
| 4. Field Geography.    | 13. Secondary Nature Study.                |
| 5. Geography.          | 14. Teachers' Course in Ancient Languages. |
| 6. Grammar.            | 15. Teachers' Course in Modern Languages.  |
| 7. History.            |  |
| 8. Music.              |  |
| 9. Physical Education. |  |

Each course contains 12 weeks. Courses 14 and 15 are open only to students specializing in languages. The right is reserved to assign to any student a particular teachers' course should his work show special need for it.

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\* For Teachers' Courses required for the Three-Year Certificate, see page 57.

## TWO YEARS' PREPARATORY COLLEGE COURSE

	First Year	Second Year
FIRST TERM	Algebra 3..... 12	Solid Geometry..... 12
	Rhetoric ..... 12	Physics 1..... 12
	English History 1 ..... 12	English Lit. 1..... 12
	*Elective..... 12	Elective..... 12
		†Physical Training 1
SECOND TERM	Plane Geometry 1..... 12	Electives ..... 24
	English History 2..... 12	Physics 2..... 12
	Structural Botany..... 12	English Lit. 2..... 12
	*Elective..... 12	†Physical Training 2
THIRD TERM	Plane Geometry 2..... 12	Physics 3..... 12
	Systematic Botany ..... 12	Electives ..... 24
	Elective..... 12	Am. Col. History..... 12
	Physical Geography ..... 12	†Physical Training 3

\*Students that have had no foreign languages are advised to elect at least two years of Latin, German, or French.

†Four terms of Physical Training are required of all students before graduation.

## TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

	Third Year	Fourth Year
FIRST TERM	Psychology 1..... 12	Elective..... 12
	Teachers' Courses..... 24	Teachers' Course..... 12
	*El. Drawing 1..... 12	Teaching or electives..... 24
	†Physical Training 4	
SECOND TERM	Psychology 2..... 12	Teachers' Course..... 12
	Teachers' Course..... 12	Hist. of Education..... 12
	Elective..... 12	Teaching or electives..... 24
	*El. Drawing 2..... 12	
THIRD TERM	General Method..... 12	Teachers' Courses..... 24
	Teachers' Course..... 12	Teaching or electives..... 24
	Electives..... 24	

\*Not required of students on the specializing course.

†Four terms of Physical Training are required of all students before graduation.

## Graduation and Degrees

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1. A Life Certificate and Diploma will be granted to all persons completing the Four Years' Life Certificate Course (see p. 48) or the Two Years' College Life Certificate Course (see p. 48).

2. The degree of B.Pd. will be granted upon the completion of the Three Years' College Course (see p. 54).

3. The degree of AB. will be granted upon the completion of the Four Years' College Course (see p. 54).

### MASTER OF PEDAGOGICS.

Provisions are made for taking the Master's degree as follows:

Any one holding the degree of Bachelor of Pedagogics from the Michigan State Normal College, may, upon application, receive the corresponding Master's degree (M.Pd.) upon the following conditions:

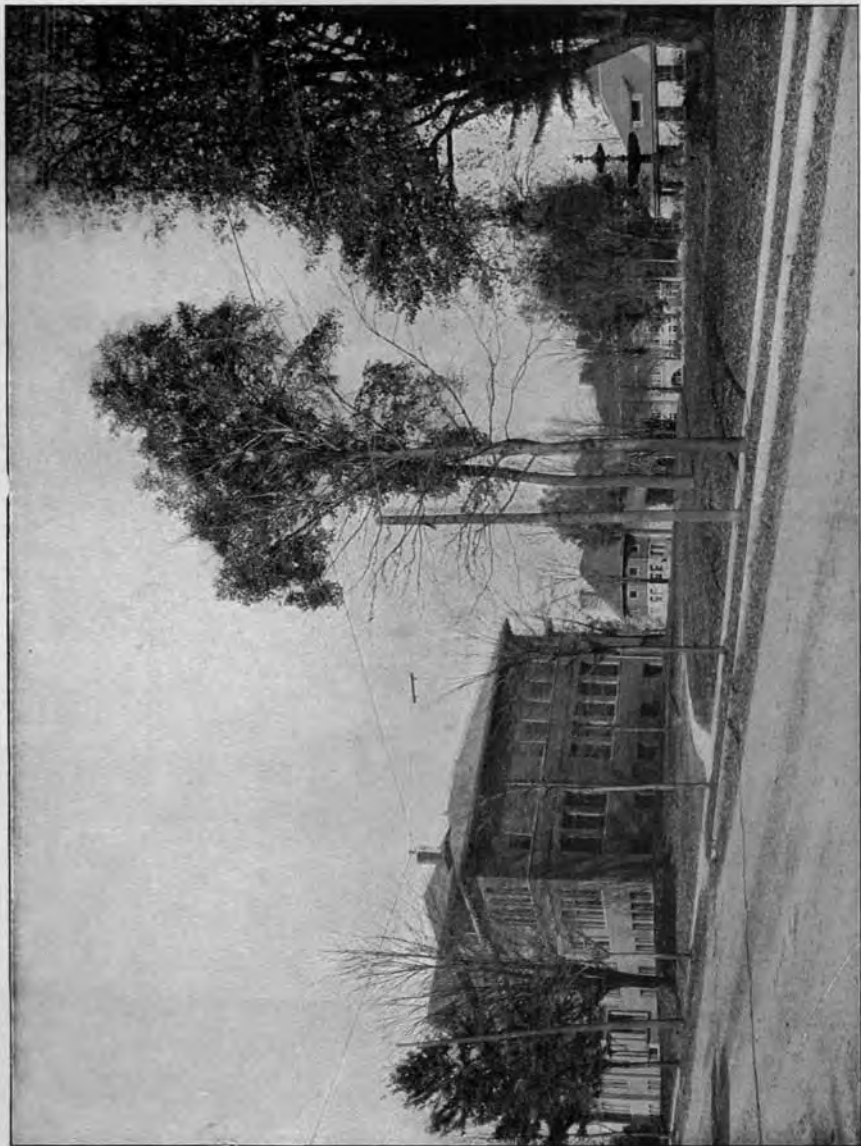
1. He shall furnish evidence satisfactory to the Faculty that he has been engaged in teaching or in school supervision continuously and with pronounced success for five years since receiving the Bachelor's degree.

2. He shall prepare and present a thesis acceptable to the Faculty, upon some subject connected with the history, science, or art of education; the Faculty reserving the right to assign the subject of such thesis.

## Partial Courses

Teachers wishing to prepare for the examination for state teachers' certificates can enter any classes for which they are fitted without taking one of the regular courses. Furthermore, teachers of some experience and fair scholarship who wish to add to their skill as instructors in special subjects, or grades of subjects—as, for example, high school English, drawing in the grades, music, physical training, science, history, foreign languages—are admitted to such studies as they choose, subject, however, to the direction of the President and heads of departments concerned. In such cases the work done is credited on

The Campus,  
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Northwest





the books but leads to no certificate, unless one of the full courses is completed.

Persons wishing to take up special studies are subject to the same conditions of admission as other students. (See p. 44).

Many students for various reasons are not able to complete one of the regular courses without interruption. To these no credits once earned are lost, and there is no objection to their continuing and completing the course at any subsequent time.

## Limited Certificates

Besides the regular courses outlined in the preceding pages, there are two forms of limited certificates given for partial courses.

### 1. Three-Year Certificate Course

A *Three-Year Certificate*, renewable for three years, will be given upon the completion by high school graduates of fourteen courses of work, as specified below. This will require one year and one summer term of work. The certificate is good in grades below the tenth. It includes the following courses:

Psychology 1 and 2.....	24 Weeks
General Method.....	12 Weeks
Four Teachers' Courses, selected from the following six teachers' courses:	

Grammar	}	.....48 Weeks
Arithmetic		
Physiology		
Geography		
History		
Reading		
Teaching .....	24 Weeks	
Elementary Drawing 1 and 2.....	24 Weeks	
Three electives from omitted high school subjects (see p. 49).....	36 Weeks	

Except that specializing students may choose three terms of their specialty instead.

Students who take out this limited certificate and who return for the life certificate afterwards will be required to complete thirty-six weeks of work for the life certificate.

## II. Rural School Course

A *three-year certificate*, good for three years and renewable for three years, valid in schools employing not more than two teachers, will be given on completion of the following course:

English Grammar, Composition and Literature for the Grades .....	36	Weeks
Reading and Orthoepy (with methods of teaching primary reading) .....	24	"
History of the United States (with methods) .....	24	"
Geography (with methods) .....	24	"
Arithmetic (with methods) .....	24	"
Elementary Algebra .....	24	"
General History .....	24	"
Elementary Physics .....	24	"
Observation and Teaching in the Training School .....	24	"
Botany .....	12	"
Elementary Agriculture .....	12	"
Civil Government .....	12	"
School Management .....	12	"
Psychology .....	12	"
Physiology .....	12	"
Music .....	12	"
Drawing .....	12	"
Penmanship .....	12	"
Physical Training (without credit) .....	36	"

### NOTES

1. Teachers of experience in rural school work may receive credit on the above course in accordance with such experience.

2. Pupils who have taken any of the above subjects in high schools may receive credit for the subjects so taken.

3. The course (without credits) will require two years and one term (seven terms of 12 weeks each); or two years and two summer terms (summer terms six weeks each). The greatest amount of credit possible will reduce it to one year—that is, three terms of 12 weeks each.

4. Persons completing the course will receive a certificate valid for three years anywhere in the state in schools employing not more than two teachers. This certificate is renewable once for three years.

5. The Normal College desires to help those who need to prepare for second and third grade certificates. Classes in the necessary subjects are in progress every quarter.

6. Students wishing manual training will be allowed to take it in place of some one of the prescribed subjects under direction of the President.

## Advanced Credits

Under certain conditions credit for work done elsewhere will be allowed upon courses here, provided that no credits from high schools shall shorten the Two Years' College Life Certificate Course (see p. 48). The Committee on Advanced Standing (see p. 14) may at their discretion allow such standings from the following schools: (1) The University of Michigan, the Agricultural College, and all other regularly incorporated Michigan colleges; (2) institutions of like rank in other states; (3) accepted Michigan high schools; (4) reputable secondary and superior schools in other states.

Candidates bringing standings from any of these schools will first submit them to the Committee on Advanced Standing for credit. These credits should then be reported to the office, and on this basis a classification will be made out.

Candidates for limited certificates must, as soon as possible after classification, secure their credits for work done elsewhere from the several heads of departments, after which these credits must be handed to the clerk for record.

## Directions to Students

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The following regulations apply to all students:

1. Present your credentials at the General Office and receive instructions as to classification.
2. Specializing students are classified by the head of the department in which they wish to specialize. Such classification will not be accepted for record unless signed by the head of the department concerned.
3. A copy of your high school or other standings should be filed early in the office with the clerk. Blanks for this purpose will be supplied on application.
4. After classification, pay your fee to the clerk. She will sign and return to you your classification card.
5. Enroll in your classes without delay. Each of your teachers will sign your card.
6. After having enrolled in all your classes, return your classification card to the clerk.
7. *Leave no classes permanently and make no change in classification without written permission from the President.*
8. After the clerk has signed the classification card all changes must be reported to her and recorded.
9. No student will be permitted to take more than *four* studies (not including physical training) except by

permission of the committee on extra studies. Application for an extra study should be made in writing, with reasons therefor, to the chairman of the committee (see p. 14).

10. Students bringing credits beyond the requirements for entrance will receive no advance credit for the first year of a foreign language unless it be followed here by a second year of the same language.

11. It is important that all students should bear in mind the following regulations:

*a.*—Students on the Life Certificate Course, who are not specializing, must take all omitted high school subjects (see p. 49) as electives.

*b.*—Students not specializing on the 'Two Years' College Life Certificate Course must take seventy-two weeks of the ninety-six weeks of electives in the following six departments: English, History, Geography, Mathematics, Physical Science, Natural Science (see p. 50).

*c.*—Students not specializing on the 'Two Years' College Life Certificate Course must take *eight* of the 'Teachers' Courses (see p. 51), specializing students *six*, and candidates for the 'Three Years' Certificate, *four* (see p. 57).

*d.*—All students are required to take four terms of physical training, for which no credit is given.

12. Leave your Ypsilanti address at the postoffice and at the Normal office, and report any change.

# Students' Record

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A tabulated statement of the work required for graduation from the Two Years' College Life Certificate Course, both general and specializing, is given below. It is suggested that each student keep a record of the progress of his work by means of this blank for his own information and guidance.

## REQUIREMENTS FOR GRADUATION ON THE TWO YEARS' COLLEGE LIFE CERTIFICATE COURSE

Psychology 1, 2 (p. 121).  
General Method (p. 122).  
History of Education (p. 122).  
Drawing, Elementary 1, 2 (p. 67).  
Teaching (p. 128).

Teachers' Courses (p. 51). Electives (p. 49).

- 1.....1. English (pp. 50 and 70).....
- 2.....2. Geography (pp. 50 and 75).....
- 3.....3. History (pp. 50 and 83).....
- 4.....4. Mathematics (pp. 50 and 93).....
- 5.....5. Natural Science (pp. 50 and 101).....
- 6.....6. Physical Science (pp. 50 and 115).....
- 7.....7. Free Elective .....
- 8.....8. Free Elective .....

Physical Training (p. 110).

- 1.....
- 2.....
- 3.....
- 4.....

## Specializing Course

Psychology 1, 2 (p. 121)\*

General Method (p. 121).

History of Education (p. 122)

Teaching (p. 128).

Teachers' Courses (p. 51).

Electives (p. 49).

1.....

1.....

2.....

2.....

3.....

3.....

4.....

4.....

5.....

5.....

6.....

6.....

7.....

Physical Training (p. 110).

8.....

2.....

9.....

3.....

10.....

4.....

11.....

1.....

12.....

## SCHEDULE OF CLASSES—FALL QUARTER

8-9	9-10	10-11	11-12
Algebra Higher 1 Arithmetic, Tchrs'. Bl'kb'd Sketching Botany, Structural (8-10) Chemistry, Physical Civics, Teachers' Drawing, Elem. 2 Drawing, Teachers' French 1 Geometry, Analyt. Geometry, Plane 1 German 13 Greek 1 Harmony 4 History of Ed. 1 History, English 1 History, Modern History, Teachers' Kindergarten Primary Music Latin 13a Latin 16 Meteorology Nature Study, Pri. Pedagogy, (General Method) Phys. Train., 1 (w) Physics 1 Physics Advanced Principles of Crit. 1 Psychology Adv. Reading, Teachers'.	Algebra, Higher 1 Algebra, Higher 2 Arithmetic, Tchrs'. Chemistry 1 Drawing, Adv. 2 Drawing, Elem. 1 Geography, Elem. Geography, Tchrs'. Geometry, Plane 2 German 7 German 10 Greek 4 History, Adv. Amer. History of Ed. 2 History, U. S. Pol. Latin 7 Musical Form and Analyzation for Supervisors Musical Form and Composition 1 Nature Study, Pri. Phys. Train. 1 (w) Physics 1, Lab. Physiography Physiology, Prep. Principles of Crit. 1 Psychology 1 Psychology 2 Reading, Teachers'.	Algebra 2 Algebra, Methods in Arithmetic, Tchrs'. Artistic Singing for Adv. Students Botany, Structural (10-12) Chemistry 4 Chemical Lab. 1 Civics, Teachers' Drawing, Elem. 1 French 1 French 7 Geography, Tchrs'. German 4 Grammar, Tchrs'. Greek 7 History of Ed. 2 History, Greek History, Teachers' Latin 13b Latin 20 Latin 23 Life Sketching Minerals and Rocks Music, History of, 1 Phys. Train. 1 (w) Physics, Method in Physiology, Tchrs'. Principles of Physics Psychology 1	Arithmetic, Tchrs'. Chemical Lab. 4 Counterpoint 1 Debating Differential Equa- tions Drawing, Elem. 1 Elocution 2 French 4 Geography, Tchrs'. Geography, Gen. Grammar, Tchrs'. Harmony 1 History, Greek History, Industrial Laboratory Econ'my Latin 4 Latin 10 Life Sketching Mythology Physical Laboratory Practice Phys. Train. 1 (w) Phys. Train. 4 (m) Psychology 1
1-2	2-3	3-4	4-5
Arithmetic, Prep. Chemistry 1, Lab. Cookery Drawing, Elem. 1 Elocution 1 German 1 Kindergarten In- struction 1 Manual Training Music, Elem. of, 1 Sewing Zoology, General (1-3)	Anglo Saxon Astronomy Botany, Cryptog'mic Cookery Geography, Field (2-4) German 7 Grammar, Tchrs'. History, Greek Hist. United States (rural school) Kindergarten In- struction 3 Latin 1 Manual Training Meth. in Music for Eight Grades Physical Education, Teachers' Physical Train. 1 (w) Physical Train. 4 (w) Physiology of Exer- cise Physiology, Tchrs'. Psychology 1 Reading, Teachers' Rhetoric Sewing Trigonometry	Animal Studies Arithmetic, Tchrs'. Athletics (m) 1 and 5 Cookery German 1 Grammar, Prep. History, English 1 Lit. English 1 Manual Train. 1 Philosophy, Intro- duction to Phys. Train. 1 (m) Phys. Train. 1 (w) Physiology, Tchrs'. Psychology 1 Sewing Shakespearean Reading	Athletics (m) 1 and 5 Phys. Train. 3 (w) Phys. Train. 7 (w) Voice Culture for College Students (once each week.)

Hours to be arranged for Botanical Problems, Paleontology, and Special Studies in Zoology.



## SCHEDULE OF CLASSES—WINTER QUARTER

8-9	9-10	10-11	11-12
Algebra, Higher 2 Arithmetic, Tchrs' Bl'kb'd Sketching Botany, Structural (8-10) Calculus 1 Chemistry of Com- mon Life Civics, Teachers' Drawing, Elem. 2 Drawing, Teachers' French 2 Geometry, Plane 2 German 14 Grammar, Tchrs', Greek 2 Harmony 5 History of Ed. 2 History, English 1 History, English 2 History, Teachers' Kindergarten—Pri- mary Music Latin 14b Latin 17 Logic Nature Study, Pri. Pedagogy (General Method) Phys. Train. 2 (w) Physics 2 Physics, Prep. Principles of Crit. 2 Reading, Teachers	Algebra, Higher 1 Algebra, Higher 2 Arithmetic Tchrs'. Chemistry 2 Drawing, Elem. 2 Drawing, Adv. 1 Geography, Tchrs'. Geometry, Plane 2 German 8 German 11 Grammar, Tchrs'. History of Ed. 2 Hist., Eng. Const'l Hist., 19th Century Latin 8 Latin 11 Music, Elem. of, 2 Musical Comp. 2 Nature Study, Pri. Phys. Train. 2 (w) Physics 2, Lab. Physics, Method in Physiography Physiology, Prep. Political Economy Principles of Crit. 1 Principles of Crit. 2 Psychology 1 Psychology 2 Reading, Teachers' Sight Reading and Methods for Piano Students	Algebra 3 Algebra 2 Algebra, Higher 1 Arithmetic, Tchrs'. Artistic Singing for Advanced Students Botany, Structural (10-12) Chemistry 5 Chemical Lab. 2 Civics, Teachers' Drawing, Elem. 2 French 2 French 8 Geography, Tchrs'. Geology, Dynamical Geometry, Method in German 5 Greek 5 Greek 8 History of Ed. 2 History, Roman History, Teachers' Latin 14a Latin 22 Latin 24 Life Sketching Lit., English 1 Music, History of, 2 Phys. Train. 2 (w) Principles of Physics Physiology, Advanc- ed (10-12) Physiol. of Exercise Physiology, Prep. Principles of Crit. 1 Psychology 2 Reading, Teachers' Shakespeare	Chemistry 5 Lab Counterpoint 2 Drawing, Elem. 1 French 5 Geography, General Geography, Physical Geometry, Solid An- alytical Harmony 2 Historical Material History, Roman Latin 5 Latin 21 Life Sketching Mythology Nineteenth Century Poetry Optics, Advanced Phys. Lab. Practice Phys. Train. 3 (w) Phys. Train. 5 (w) Physics, Advanced 2 Psychology 2 Reading, Teachers' Trigonometry
1-2	2-3	3-4	4-5
Arithmetic, Prep. Chemical Lab. 2 Cookery Drawing, Elem. 1 Elocution 1 English Composi- tion German 1 German 2 Greek 8 Kindergarten In- struction 1 Manual Training Music, Elem. of, 1 Physical Train. 3 (m) Sewing Zoölogy, General 2	Algebra 1 Arithmetic, Tchrs'. Cookery Elocution 2 Geography U. S. German 8 History, Roman Hist., United States (rural school) Kindergarten In- struction 2 Latin 2 Logic Manual Training Method in Music for Eight Grades Middle English Phys. Ed., Teachers' Phys. Lab. Prac. Adv Phys. Train. 2 (w) Phys. Train. 5 (w) Physiology, Tchrs'. Plant Physiology Psychology 2 Rhetoric, Advanced Sewing	Animal Studies Cookery German 2 Grammar, Tchrs'. History, English 2 Hist. of Philosophy Lit., English 2 Manual Training Phys. Train. 1 (m) Phys. Train. 2 (w) Physiology, Tchrs'. Psychology 2 Sewing Shakespearean Reading	Athletics (m) Phys. Train. 1 (w) Phys. Train. 8 (w) Voice Culture for College Students (once each week.)

## SCHEDULE OF CLASSES—SPRING QUARTER

8-9	9-10	10-11	11-12
Animal Studies Acoustics Algebra, Higher 2 Blackboard Sketching, Advanced Calculus 2 Chemistry, Organic Civics, Teachers' Drawing, Elem. 2 French 6 Geometry, Plane 3 German 15 Grammar, Teachers' Greek 3 Harmony 6 Hist., Adv. English History, English 2 History, Teachers' Latin 15 Latin 18 Method in Music for Eight Grades Nature Study, Pri. Pedagogy, (General Method) Philosophy of Ed. Phys. Train. 3 (w) Physics 3 Plant Ecology (7-9) Principles of Crit. 1 Reading, Teachers'	Animal Studies Algebra, Higher 1 Arithmetic, Tchrs', Chemistry 3 Drawing, Elem. 2 Drawing, Adv. 2 Geography, Tchrs' Geography of Europe Geometry, Plane 1 Geometry, Solid German 9 German 12 Grammar, Tchrs', Hist., Eng. Const'l Hist., U. S. Pol. History of Ed. 2 Latin 9 Latin 12 Musical Comp. 3 Music, Elem. of, 1 Music, High School Methods in Nature Study, Pri. Pedagogy (General Method) Physics, Methods in Physics 3, Lab. Phys. Train. 2 (w) Phys. Train. 3 (w) Political Science Principles of Crit. 1 Psychology 2 Reading, Teachers'	Arithmetic, Tchrs'. Artistic Singing for Advanced Students Bacteriology (10-12) Botany, Systematic (10-12) Chemistry 6 Chemical Lab. 3 Civics, Teachers' Drawing, Elem. 1 French 3 French 9 Geography, Tchrs'. Geology, Glacial German 6 Greek 9 History of Ed. 3 History, Mediaeval History, Teachers' Hist. of Mathematics Latin 19 Latin 22 Latin 24 Latin 24 Life Sketching Masterpieces (English) Music, History of, 3 Pedagogy (General Method) Phys. Train. 3 (w) Principles of Physics Principles of Crit. 2 Reading, Teachers' Theory of Equations	Algebra 4 Bl'kb'd Sketching Chemical Lab. 6 Counterpoint 3 English Fiction Geography, General Geography, Tchrs'. Greek 6 Harmony 3 History of Ed. 4 History, Mediaeval Latin 6 Life Sketching Modern Language, Teachers' Course Oratory Pedagogy (General Method) Phys. Lab. Practice Phys. Train. 6 (w) Physics, Adv. 3 Sociology
1-2	2-3	3-4	4-5
Algebra 1 Bl'kb'd Sketching Chemical Lab. 3 Cookery Elocution 1 English Composition German 2 German 3 Greek 9 Kindergarten Instruction 2 Manual Training Music, Elem. of, 2 Phys. Train. 3 (m) Physiology, Prep. Sewing	Algebra 3 Astronomy Botany, Systematic (2-4) Civil Government Cookery Current Topics Elocution 2 Ethics Geography, Field (2-4) German 9 History, Current History Mediaeval Kindergarten Instruction 3 Latin 3 Lit., English 2 Manual Training Pedagogy (General Method) Philosophy of Ed. Phys. Ed., Teachers' Phys. Train. 3 (w) Phys. Train. 6 (w) Physiology, Tchrs'. Rhetoric, Advanced Sewing Vertebrate Structures	Astronomy, Adv. Athletics (m) 3, 4, 5 Cookery German 3 Grammar, Prep. History, English 1 Hist. of Philosophy Manual Training Pedagogy (General Method) Phys. Train. 3 (w) Physiology, Tchrs'. Rhetoric Sewing Shakespearean Reading	Athletics, (m) 3, 4, 5 Greek Art Phys. Train. 2 (w) Phys. Train. 1 (w) Phys. Train. 9 (w)

Hours to be arranged for Plant Embryology and Special studies in Zoölogy.

# Details of Departments

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## Drawing

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MISS BERTHA GOODISON.

MISS ANNIE H. OLMSTED.

MISS LOTA H. GARNER.

### HIGH SCHOOL COURSES

1. **ELEMENTARY DRAWING 1. 12 WEEKS.**

This course takes up the study of the following type forms: the sphere, cube, cylinder, square prism, and square pyramid, and also of objects similar in character. These are studied in various positions and drawn in outline and in light and shade.

Some simple, original designs are made in black and white, and a short time is given to the study of Egyptian ornament and architecture.

Fall, winter and spring quarters.

Fall quarter—Four sections: 8-10, 10-11, 11-12, 1-2.

Winter quarter—Two sections: 11-12, 1-2.

Spring quarter—One section: 10-11.

Room 10. Miss Garner.

2. **ELEMENTARY DRAWING 2. 12 WEEKS.**

The work in this course is the study of groups in light and shade and water color. Linear perspective, as applied to simple interiors and exteriors, is studied. Drawings of plant forms are also made and used for composition work in line and in light and dark.

Opportunity is given for original design in simple applications: borders, book covers, etc. A brief study of Greek architecture and ornament is also given.

Course 1 must precede Course 2.

Fall, winter and spring quarters.

Fall quarter—One section: 8-9.

Winter quarter—Three sections: 8-9, 9-10, 10-11.

Spring quarter—Two sections: 8-9, 9-10.

Room 10. Miss Olmsted, Miss Garner.

### COLLEGE COURSES

#### 3. BLACKBOARD SKETCHING 1. 12 WEEKS.

Elementary drawing 1 and 2 or their full equivalent must precede. In this course practice is given in making sketches suitable to use in connection with the different holidays and seasons, and with the teaching of reading, geography, and nature study.

Fall, winter and spring quarters.

Fall quarter—One section: 8-9.

Winter quarter—Two sections: 11-12, 1-2.

Spring quarter—Two sections: 11-12, 1-2.

Room 24. Miss Garner.

#### 4. ADVANCED DRAWING 1. 12 WEEKS.

Elementary drawing 1 and 2, or their full equivalent, must precede.

Studies are made from plant forms with pencil, pen and ink and water color. The course embraces the study of historical ornament, as well as exercises in original designs for wall paper, book covers and other subjects covering the main problems in decorative design.

Fall and winter quarters.

Fall quarter—One section: 9-10.

Winter quarter—One section: 9-10.

Room 14. Miss Olmsted.

#### 5. ADVANCED DRAWING 2. 12 WEEKS.

Elementary drawing 1 and 2, or their full equivalent, must precede.

The work in this course is in charcoal from still-life and casts. Landscape composition is studied with some out-of-door sketching.

Advanced drawing 2 may be taken before advanced drawing 1.

Fall and spring quarters.

Fall quarter—One section: 9-10.

Spring quarter—One section: 9-10.

Room 14. Miss Olmsted.

**6. TEACHERS' DRAWING. 12 WEEKS.**

Elementary drawing 1 and 2 must precede.

This course takes up the study of methods of teaching drawing in the eight grades. Some time is spent in studying the principles of design to be taught, and in illustrating these principles by means of problems worked out in black and white and in color.

Fall and winter terms.

Fall quarter—One section: 8-9.

Winter quarter—One section: 8-9

Room 9. Miss Goodison.

**7. LIFE SKETCHING 1. 12 WEEKS.**

Elementary drawing 1 and 2 and advanced drawing 1 and 2, or their equivalent, must precede.

This class has two hours daily, four days in the week. The work is mainly in pencil from life models. Instruction is also given in figure composition.

Fall and winter quarters

Fall quarter—One section: 10-12.

Winter quarter—One section: 10-12.

Room 7 Miss Olmsted.

**8. LIFE SKETCHING 2. 12 WEEKS.**

Elementary drawing 1 and 2, advanced drawing 1 and 2, and life sketching 1, or their full equivalent, must precede.

In this course studies are made from the head and figure in light and shade and color.

Exercises in original illustrative composition are given, the principles involved being illustrated by reproductions of famous paintings.

Spring quarter—One section: 10-12.

Room 7. Miss Olmsted.

**9. ADVANCED BLACKBOARD SKETCHING. 12 WEEKS.**

This is a continuation of Blackboard Sketching 1, and is intended particularly for students specializing in this department.

The aim in this course is to develop skill and rapidity in execution, and to offer opportunity for making original sketches.

Drawings are made of figures, animals, landscapes and plant forms.

Spring quarter—One section: 8-9.

Room 24. Miss Goodison.

Students who are not specializing in this department may elect Courses 2 to 9 for the third or fourth college year.

# English

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PROFESSOR FLORUS A. BARBOUR

MISS ALMA BLOUNT

MISS ESTELLE DOWNING

MISS ABIGAIL PEARCE

## PREPARATORY COURSE

### 1. GRAMMAR.

An elementary, but systematic course in English Analysis, together with a rapid review of Etymology and Syntax. The course should enable students to pass the county examinations for a Third Grade Certificate, and is preparatory to the study of elementary Rhetoric in the Normal College.

Fall quarter, 3-4. Room 42. Miss Downing.

Spring quarter, 3-4. Room 44. Miss Blount.

## HIGH SCHOOL COURSES

### 1. RHETORIC.

Presupposes preparatory Grammar. Elementary work in note-taking and outlining of themes, with instruction in the intelligent use of library "helps." This is followed by a study of paragraphs, sentences, and words, with special reference to the principles of unity, coherence, and emphasis. Continual practice in composition is given throughout the course.

Fall quarter, 2-3. Room 42. Miss Downing.

Spring quarter, 3-4. Room 42. Miss Downing.

### 2. ENGLISH COMPOSITION.

This course is designed for high school graduates who have had insufficient training in English. Its aim is to lead the student to a more correct and forcible expression of his thoughts, both in speaking and writing. There will be instruction and drill in connection with the most common speech errors, together with oral discussion of assigned themes, and constant practice in writing. Through-

out the course attention will be paid to diction, sentence structure and paragraphs.

Winter quarter, 1-2. Room 42. Miss Downing.

Spring quarter, 1-2. Room 42. Miss Downing.

### 3. ENGLISH LITERATURE 1 and 2.

The courses include an outline history of English Literature, based upon the great forces that have been at work shaping and developing the life of the English people. This historical work is chronological and is illustrated and supplemented by the study of representative classics from different periods. Course 1 extends from the earliest times to the age of Milton; Course 2, from Milton to modern times.

*Course 1*—Fall quarter, 3-4; winter quarter, 10-11. Room 44. Miss Blount.

*Course 2*—Winter quarter, 3-4; spring quarter, 2-3. Room 44. Miss Blount.

## COLLEGE COURSES

### 1. PRINCIPLES OF CRITICISM 1.

The elementary principles of literary criticism applied to the study of selections from the American poets. The nature of criticism is considered, the relation of the author to his work, the rhetorical principles of style, and the aesthetic principles underlying literary art. The course presupposes Rhetoric and English Literature 1 and 2.

Fall quarter, 8-9. Section 1. Professor Barbour.

8-9. Section 2. Miss Pearce.

9-10. Section 3. Professor Barbour.

9-10. Section 4. Miss Pearce.

9-10. Section 5. Miss Downing.

Winter quarter, 10-11. Section 1. Miss Pearce.

Spring quarter, 9-10. Section 3. Room 40. Professor Barbour.

9-10. Section 2. Room 41. Miss Pearce.

8-9. Section 1. Room 40. Professor Barbour.

### 2. PRINCIPLES OF CRITICISM 2.

A study of American prose in accordance with the method suggested for Course 1, and in all cases to be preceded by Course 1. The course is deemed especially valuable as an opportunity for studying different types of prose: the essay, narrative and descriptive (Irving); the essay, meditative and philosophical (Emerson); the short story

Hawthorne and Poe); minute observation (Thoreau); and the oration in Webster's Reply to Hayne.

Winter quarter, 8-9. Section 1. Professor Barbour.

9-10. Section 2. Miss Pearce.

Spring quarter, 10-11. One section. Miss Pearce.

### 3. NINETEENTH CENTURY POETRY.

This course is introduced by a brief review of the different periods of English Literature. The review is followed by a more particular study of nineteenth century poetry, with special consideration of Shelley, Keats, Tennyson, Browning, Morris and Swinburne.

Winter quarter, 11-12. Room 41. Miss Pearce.

### 4. ENGLISH FICTION.

A short course of lectures upon (1) the history of English fiction and the development of the modern novel; (2) upon the plot, its qualities and technical construction. Special study of different types will follow, particular attention being paid to plot, setting, and character sketching. The aim is to make this course helpful and suggestive not only to high school teachers but also to any teachers of narrative prose.

Spring quarter, 11-12. Room 41. Miss Pearce.

### 5. SHAKESPEARE.

A brief course of lectures on the technical construction of the drama, followed by an analytical study of several of Shakespeare's tragedies. Special attention is given to the development of the plot, and to the consistency of the characters with the plot. Teachers of literature in high schools will find the course stimulating and suggestive as a preparation for teaching Shakespeare.

Winter quarter, 10-11. Room 40. Professor Barbour.

### 6. ENGLISH MASTERPIECES.

A study of Carlyle's Sartor Resartus and DeQuincey's Opium Eater as two great types of nineteenth century prose.

Spring quarter, 10-11. Room 40. Professor Barbour.

### 7. ANGLO SAXON.

Cooke's First Book of Old English, followed by a course of lectures upon the history of the English Language. The course is considered of especial value to teachers of English Grammar.

Fall quarter, 2-3. Room 44. Miss Blount



## 8. MIDDLE ENGLISH.

The study of Chaucer in Sweet's Second Middle English Primer, Morris' Prologue and Knightes Tale, and Nun's Priest's Tale; also library references on the course of English Literature from 1066 to 1500 with special emphasis upon the 14th century.

Winter quarter, 2-3. Room 44. Miss Blount.

## 9. TEACHERS' GRAMMAR.

(a) A rapid academic review of the subject in Whitney's Essentials of English Grammar; (b) Professional aspects of teaching the subject in Barbour's "Grammar Teaching; History and Method."

Fall quarter. Section 1, 10-11. Room 44. Miss Blount.

Section 2, 10-11. Room 41. Miss Pearce.

Section 3, 11-12. Room 44. Miss Blount.

Section 4, 11-12. Room 41. Miss Pearce.

Section 5, 2-3. Room 40. Professor Barbour.

Winter quarter. Section 1, 8-9. Room 41. Miss Pearce.

Section 2, 9-10. Room 44. Miss Blount.

Section 3, 3-4. Room 42. Miss Pearce.

Spring quarter. Section 1, 8-9. Room 41. Miss Pearce.

Section 2, 8-9. Room 44. Miss Blount.

Section 3, 9-10. Room 44. Miss Blount.

## 10. ADVANCED RHETORIC.

The work of this course constitutes a general review of rhetorical principles, and a practical application of these principles to English Composition. It includes a study of models in description, narration, exposition, and argument, together with constant practice in writing under these four types of prose structure. Some attention is also paid to note-taking and outlining themes. The course is especially designed for those who already have some proficiency in writing, and who wish to prepare themselves for teaching composition in grades or high schools; hence some emphasis is laid upon method.

Winter quarter, 2-3. Room 42. Miss Downing.

Spring quarter, 2-3. Room 42. Miss Downing.

## DEGREE COURSES

High School Courses 1, 2, 3, and College Courses 1 and 9 will not be credited on the work of the third or fourth college year. Students not specializing in the English Department may

elect in these years any of the other courses offered, after consultation with the head of the department

Students who are specializing in this department may elect courses 3, 4, 5, 6, 7, and 8 for the third or fourth college year, and collateral work in foreign languages, history, reading and public speaking, after consultation with the head of the department

The course in Mythology offered by the department of Latin and Greek is especially recommended to all students specializing in English.

Courses 5 and 6 may be considered as distinctively fourth year courses for students who plan to take the degree of A.B. All students in the third or fourth year who desire to elect courses in English should consult freely with the head of the department. Special consideration will be given to each student, and courses to be elected will depend upon the department in which the student is specializing, or upon his previous studies in language and literature.

# Geography

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PROFESSOR MARK S. W. JEFFERSON.

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## PREPARATORY COURSE

1. **ELEMENTARY GEOGRAPHY. 12 WEEKS.**  
The course will take up the distribution of physical, climatic and political regions of the earth with Tarr and McMurry's Third Book as a text.  
Fall quarter, 9-10. Room 18. An Assistant.

## HIGH SCHOOL COURSE

2. **PHYSICAL GEOGRAPHY. 12 WEEKS.**  
Credited from high schools. Required of all non-specializing students who have not had a course in the subject.  
Winter quarter, 11-12. Room 18. An Assistant.

## COLLEGE COURSES

3. **TEACHERS' GEOGRAPHY. 12 WEEKS.**  
This course is designed to prepare students for teaching geography in the public schools as far as its subject matter is concerned. It deals with the nature and use of maps and the study and teaching of weather and climate.  
Each quarter, 9-10 and 10-11. Rooms 21 and 18. Professor Jefferson and an assistant.
4. **GENERAL GEOGRAPHY. 12 WEEKS. Course 3 is pre-requisite.**  
This course is designed to extend the preparation offered by 3 to the treatment of the size and shape of the earth, the continents, oceans and principal countries.  
This is the Elective recommended to students on the general course.  
Each quarter, 11-12. Room 21. Professor Jefferson.
5. **PHYSIOGRAPHY OF THE LANDS. 12 WEEKS. Course 3 is pre-requisite.**  
This is an advanced course in physical geography dealing with the forms of the surface of the dry lands and the pro-

cesses by which they take and change these forms. Davis' Physical Geography is used as a text.

Fall and winter quarter, 9-10. Room 21. Professor Jefferson.

6. FIELD GEOGRAPHY, TEACHERS' COURSE. 12 WEEKS. Course 3 is pre-requisite.

A course in Physiography for students who are able to do a good deal of walking. Others should be content with 5. More than half the exercises are conducted in the open air. Spring quarter, 2-4. Students must reserve the whole afternoon, as occasional excursions will last till 6 p. m. Professor Jefferson.

7. GEOGRAPHY OF THE UNITED STATES. 12 WEEKS. Courses 3 and either 5 or 6 are pre-requisite.

Winter quarter, 2-3. Room 21. Professor Jefferson.

8. METEOROLOGY. 12 WEEKS. (For advanced students only.)  
Davis' Meteorology used as a text with actual observations and studies of the weather and climate of Ypsilanti.  
Fall quarter, 8-9. Room 21. Professor Jefferson.

9. GEOGRAPHY OF EUROPE.

Partsch's Central Europe as text. Spring quarter, 9-10. Room 21. Professor Jefferson.

#### DEGREE COURSES IN GEOGRAPHY.

Courses 1, 2 and 3 will not be credited on the work of the third or fourth college year.

Students satisfactory to the head of the department may elect 4, 5, 6, 7, and 8 for the third or fourth college year.

Distinctively fourth year courses are 7 and 8.

# German and French

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PROFESSOR RICHARD CLYDE FORD.

MISS IDA FLEISCHER, Ph.D.

MISS MARY JOY LOMBARD.

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## GENERAL STATEMENT

The library of the department comprises about 1,000 volumes, besides a number of the leading pedagogical and literary journals of both languages, which are on file in the reading room of the College.

From time to time through the year informal lectures are given to students of the department on subjects relating to the politics, geography, history and literary life of France and Germany.

## PRACTICE TEACHING

Special students of the department will have opportunity to do their teaching in the German classes of the High School section of the Training School.

## SCHOLARSHIP

The Hon. Peter White, of Marquette, has made it possible for the department to award annually for four years \$25 to some student of merit in the courses in French. The sum became available in 1905, and Miss Elizabeth Beal Steere, of Ann Arbor, in the beginning class was the first student to be thus benefited.

## THE B.P.D. AND THE A.B. DEGREES

Candidates for the above degrees, and specializing in this department, may elect courses: German—10, 11, 12, 13, 14, 15; French—7, 8, 9, 10, 11, 12, for the third or four college year.

Candidates, not specializing, may elect anywhere according to requirements of their preparation.

## German

### 1. FALL QUARTER.

Pronunciation; grammar (Guerber's *Märchen*; Thomas); conversation; sentence building; easy reading.

Two sections.

- (a) Miss Lombard, 3-4. Room 23.
- (b) Dr. Ida Fleischer, 1-2. Room 22.

### 2. WINTER QUARTER.

Grammar; conversation; written work; reading.

- (a) Miss Lombard, 3-4. Room 23.
- (b) Dr. Ida Fleischer, 1-2. Room 22.

A beginner's class will be started in the winter quarter.

### 3. SPRING QUARTER.

Reading; composition; grammar.

- (a) Miss Lombard, 3-4. Room 23.
- (b) Dr. Ida Fleischer, 1-2. Room 22.

The work of this year is intended to give the student a good pronunciation and make him acquainted with the elements of the grammar and colloquial expression. The amount of matter read will approximate 250 pages and will be chosen from beginning readers and easy stories. Among the latter Storm's *Immensee*, or Campe's *Robinson der Jüngere* may be regarded as typical. There will also be outside reading in English on subjects relating to modern Germany.

The work of the first year is preparatory and treated as follows:

Beginning work through one year, if taken here, or in an institution of equal grade is credited.

Beginning work through one year, if taken in addition to the high school work required for entrance, will be credited *only when followed by an additional year here.*

## HIGH SCHOOL COURSES

### 4. FALL QUARTER.

Review grammar (part 1, Thomas). Reading matter chosen from such texts as Auerbach's *Brigitta*, Zschokke's *Der zerbrochene Krug*. Fulda's *Der Talisman*, Riehl's *Das Spielmannskind*. Written work; conversation.

- (b) Dr. Ida Fleischer, 1-2. Room 22.

## 5. WINTER QUARTER.

Reading of prose continued. Seidel's *Leberecht Hühnchen*, Riehl's *Burg Neideck*, etc. Dr. Ida Fleischer, 10-11. Room 22.

## 6. SPRING QUARTER.

Freytag's *Journalisten* or Lessing's *Minna von Barnhelm*; modern prose, etc. Dr. Ida Fleischer, 10-11. Room 22.

In this year the student is introduced to real literature as such, and a constant endeavor is made to cultivate a literary appreciation of the authors studied. At the same time work in grammar and composition is emphasized in order to fix thoroughly in the learner's mind the structural features of the language. Miscellaneous readings in English are continued.

## 7. FALL QUARTER.

Two sections.

(a) Goethe's *Hermann und Dorothea*; review of grammar; written work. Dr. Ida Fleischer, 9-10. Room 22.

(b) Freytag's *Soll und Haben*; Scheffel's *Trompeter von Säckingen*, etc. Dr. Ida Fleischer, 2-3. Room 22.

## 8. WINTER QUARTER.

(a) Biography and travel; sight reading; Dr. Ida Fleischer, 9-10. Room 22.

(b) Schiller's *Jungfrau von Orleans*; poetry; conversation. Dr. Ida Fleischer, 2-3. Room 22.

## 9. SPRING QUARTER.

(a) History; modern prose; conversation. Dr. Ida Fleischer, 9-10. Room 22.

(b) History and scientific prose; conversation. Dr. Ida Fleischer, 2-3. Room 22.

The work of courses 7, 8, 9 is a continuation both in spirit and matter of the preceding year. Only enough grammar work is done to make the text intelligible, the emphasis of instruction being laid on extensive reading. Research work in English and German is now required.

## COLLEGE COURSES

## German Literature of the Nineteenth Century

## 10. FALL QUARTER.

Study of German poetry, ballads and lyrics. Professor Ford, 9-10, Room 50A.

11. WINTER QUARTER.  
The rise of fiction; prose composition. Professor Ford, 9-10. Room 50A.
12. SPRING QUARTER.  
German literature under the Empire; prose composition. Professor Ford, 9-10. Room 50A.  
A suitable *Literaturgeschichte* will be used as an outline, illustrated by other texts, which will be studied in class. Each student will also be expected to make himself familiar with some special author whom he will read and report upon.
13. FALL QUARTER.  
Lessing and his work. Professor Ford, 8-9. Room 50A.
14. WINTER QUARTER.  
Goethe and his work; study of *Faust*. Professor Ford, 8-9. Room 50A.
15. SPRING QUARTER.  
German literature of to-day. Study of the leading modern writers. Professor Ford, 8-9. Room 50A.
16. TEACHERS' COURSE. SPRING QUARTER.  
History and methods of modern teaching. Discussion of the questions of technical grammar, etc. Professor Ford, 11-12. Room 50A.

## French

### HIGH SCHOOL COURSES

1. FALL QUARTER.  
Pronunciation; grammar (Part I, Fraser and Squair); reading. Two sections:  
(a) Miss Lombard, 8-9. Room 23.  
(b) Miss Lombard, 10-11. Room 23.
2. WINTER QUARTER.  
Grammar continued; written exercises and conversation; reading.  
(a) Miss Lombard, 8-9. Room 23.  
(b) Miss Lombard, 10-11. Room 22.



## 3. SPRING QUARTER.

Irregular verbs; written exercises; reading.

(a) Miss Lombard, 8-9. Room 23.

(b) Miss Lombard, 10-11. Room 22.

In this year of French particular attention is paid to the matter of pronunciation and the elementary principles of the grammar and colloquial expression. From 300 to 400 pages of matter is read, chosen from such texts as Aldrich and Foster's *French Reader*, Bruno's *Le Tour de la France*, Halévy's *L'Abbé Constantin*, Dumas' *La Tulipe Noire*, George Sand's *La Petite Fadette*, Labiche et Martin, *Le Voyage de M. Perrichon*. There will also be reading in English on subjects relating to modern France.

## COLLEGE COURSE

## 4. FALL QUARTER.

Review of grammar; reading, with written work and conversation. Professor Ford, 11-12. Room 50A.

## 5. WINTER QUARTER.

Grammar; composition; reading. Professor Ford, 11-12. Room 50A.

## 6. SPRING QUARTER.

Syntax; composition; reading. Professor Ford, 8-9. Room 50A.

The reading of this year is taken from such texts as Mérimée's *Colomba*, About's *Le Roi des Montagnes*, Sarcey's *Le Siège de Paris*, *Historiettes Modernes* and DeVigny's *La Canne de Jonc*, supplemented with sight reading from modern writers, and outside matter in English.

## 7. FALL QUARTER.

First 160 pages of Duval's *Histoire de la Littérature Française*; Molière's *Les Femmes Savantes*; Corneille's *Polyeucte*; Racine's *Esther*. Professor Ford, 10-11. Room 50A.

## 8. WINTER QUARTER.

Duval's *Histoire*, etc. Pages 160-263. Letters of Madame de Sévigné; Voltaire's prose. Professor Ford, 10-11. Room 50A.

## 9. SPRING QUARTER.

Duval's *Histoire de la Littérature Française* concluded.

Lamartine's *Scènes de la Révolution Française*; Hugo's *Hernani*; Musset's *Comédies*; DeVigny's *Cinq Mars*; Professor Ford, 10-11. Room 50A.

The year's work as outlined in the preceding courses is planned to give the student a systematic review of French literature since the 16th century. The main periods and authors are carefully outlined and studied, and the literary currents setting into the subsequent centuries are followed up.

10, 11, 12. FOR ADVANCED STUDENTS.

The seminar method will be pursued in these courses, and the work will embrace studies in the history and development of the French language and grammar; the French element in English, with special readings in literature.

# History

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PROFESSOR JULIA ANNE KING.

MISS MARY B. PUTNAM.

MISS FLORENCE SHULTES.

MISS BERTHA G. BUELL

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## PREPARATORY COURSES

Classes are organized in United States history and civil government for students needing elementary work in these subjects. See schedule of classes.

## HIGH SCHOOL COURSES

1. GENERAL HISTORY. 36 CONSECUTIVE WEEKS  
An elective open to all students. The work is based upon a text-book. Begins the fall quarter. 10-11. Room 47. Miss Shultes.
2. HISTORY OF ENGLAND. 24 WEEKS.  
Text-book; Andrews. Begins each quarter. 8-9 and 3-4. The second half of the course, winter and spring quarters, 8-9 and 3-4. Room 48. Miss Buell.
3. POLITICAL HISTORY OF THE UNITED STATES. 12 WEEKS.  
Course 3 presupposes Course 2, or an equivalent. Text-book: McLaughlin. Fall and Spring quarters, 9-10 Room 48. Miss Buell.

## COLLEGE COURSES

(a) Courses 4, 9, 10 are arranged for students desiring but a single elective in history.

(b) Courses 5, 6, 7, 8 may be elected early in the course by specializing students.

4. NINETEENTH CENTURY. 12 WEEKS.  
This course is included among those designed for students desiring a single elective in history. Text-book: West, with assigned topics for library. Winter quarter, 9-10. Room 48. Miss Buell.

5. HISTORY OF GREECE TO THE CONQUEST BY THE ROMANS. 12 WEEKS.  
Text-book. West's Ancient History, with assigned reading. Fall quarter, 11-12, and 2-3. Room 47. Miss Shultes.
6. ROME TO FALL OF ROMAN EMPIRE. 12 WEEKS.  
Supplementary to course 5. It is urged that Courses 5 and 6 follow each other in the order named. Winter quarter, 11-12, 2-3. Room 47. Miss Shultes.
7. MEDIEVAL HISTORY OF EUROPE FROM 800 TO 1500. 12 WEEKS.  
Text-book: Thatcher, with assigned reading. Spring quarter, 10-11, 11-12. Room 47. Miss Shultes.
8. MODERN EUROPE FROM 1500-1800. 12 WEEKS.  
Text-book: Schwill, with assigned reading. Fall quarter, 8-9. Room 47. Miss Shultes.
9. ADVANCED COURSE IN ENGLISH HISTORY. 12 WEEKS.  
This course is designed for students from the high schools who desire to give but a limited time to history. It presupposes Course 2. Spring quarter, 8-9. Room 47. Miss Shultes.
10. ADVANCED COURSE IN AMERICAN HISTORY. 12 WEEKS.  
This work is designed for the graduates from high schools and presupposes Course 3 or an equivalent. The work is arranged with special reference to teaching the subject. Fall quarter, 9-10. Room 45. Miss Putnam.
11. TEACHERS' HISTORY. 12 WEEKS.  
Course 11 presupposes such knowledge as may be gained from the usual high school course. Some knowledge of psychology is also indispensable. Lectures, discussions, assigned reading, and the handling of primary material. Each quarter, 8-9 and 10-11. Room 49. Professor King.
12. TEACHERS' CIVICS. 12 WEEKS.  
Course 12 presupposes a knowledge of the facts of civil government and Courses 2 and 3, or an equivalent. Lectures, with assigned reading. Each quarter, 8-9 and 10-11. Room 45. Miss Putnam.
13. POLITICAL ECONOMY. 12 WEEKS.  
Text-book. Supplemented by discussions, and written reports. Winter quarter, 9-10. Room 45. Miss Putnam.

## 14. POLITICAL SCIENCE. 12 WEEKS.

Course 14 presupposes Course 12, in which the student must have shown aptitude for the study. Lectures, with assigned topics for investigations. Spring quarter, 9-10, Room 45. Miss Putnam.

## 15. STUDY OF SOCIETY. 12 WEEKS.

Course 15 is intended for advanced students. It presupposes some knowledge of history and of methods of investigation. The course follows a brief text-book, supplemented by library reading, discussion, and written reports. Spring quarter, 11-12. Room 49. Professor King.

## 16. INDUSTRIAL HISTORY. 12 WEEKS.

Text-book, supplemented with research work. Fall quarter, 11-12. Room 49. Professor King.

## 17. POLITICAL AND CONSTITUTIONAL HISTORY OF ENGLAND. 24 CONSECUTIVE WEEKS.

Given in 1906-7.

Course 17 presupposes such knowledge of English history as may be gained from Courses 2 and 9.

The course follows outlines arranged for library work. Discussions and written reports. Winter and spring quarters, 8-9. Room 47. Miss Shultes.

## 18. FORMATION AND DEVELOPMENT OF THE CONSTITUTION OF THE UNITED STATES. 24 CONSECUTIVE WEEKS.

Not given in 1906-7.

Course 18 makes an intensive study, using largely source material. Discussions and reports. Fall and winter quarters, 2-3. Room 45. Miss Putnam.

## 19. HISTORICAL MATERIAL. 12 WEEKS.

Course 19 presupposes Course 11. Class teaching from source material, research, and written exposition. Winter quarter, 11-12. Room 49. Professor King.

## 20. SOCIOLOGY.

Course 20 presupposes a good knowledge of history and Course 15. The work will be largely research work. The hours will be arranged with the instructor.

## 21. PHILOSOPHY OF HISTORY.

Course 21 presupposes Course 11. Lectures with assigned

topics for reading and discussion. Hours to be arranged with the instructor.

22. **CURRENT HISTORY. 12 WEEKS.**

The work takes up for research and discussion some of the important social events of the day. Spring quarter, 2-3. Room 45. Miss Putnam.

**DEGREE COURSES.**

Courses 4 to 10, inclusive, will not be credited on the work of the third and fourth college years.

Students specializing in history may elect from Courses 11 to 21, inclusive, for third and fourth years' work.

Students not specializing in history may elect from the courses credited on degrees any work for which they are prepared.

Courses 17 to 21 inclusive are regarded as distinctively fourth year work.

# Latin and Greek

PROFESSOR BENJAMIN L. D'OOGHE.

MISS HELEN B. MUIR.

MR. ORLAND O. NORRIS.

## Latin

### PREPARATORY COURSES

1. BEGINNERS' LATIN.  
Fall quarter, 2-3. Room 36. Miss Muir
2. BEGINNERS' LATIN.  
Winter quarter, 2-3. Room 36. Miss Muir.
3. BEGINNERS' LATIN AND VIRI ROMAE, OR SECOND YEAR LATIN.  
Spring quarter, 2-3. Room 36. Miss Muir.

Courses 1-3 are preparatory to all that follow, and are credited as follows:

(a) Students who have had no Latin may begin it here, and their work will be credited on the electives of their Normal Course.

(b) Students who have taken the first year of Latin in addition to the high school work required for entrance will receive no advance credits for the same unless it be followed by a second year here.

Students who wish to specialize in Latin and who remain but two years should aim to take four years of Latin before coming to this institution.

### HIGH SCHOOL COURSES

4. VIRI ROMAE OR SECOND YEAR LATIN, AND LATIN COMPOSITION.  
Fall quarter, 11-12. Room 36. Miss Muir.
5. CAESAR AND LATIN COMPOSITION.  
Winter quarter, 11-12. Room 36. Miss Muir.
6. CAESAR AND LATIN COMPOSITION.

- Spring quarter, 11-12. Room 36. Miss Muir.
7. CICERO AND LATIN COMPOSITION.  
Fall quarter, 9-10. Room 35. Mr. Norris.
8. CICERO AND LATIN COMPOSITION.  
Winter quarter, 9-10. Room 35. Mr. Norris.
9. OVID.  
Spring quarter, 9-10. Mr. Norris.
10. OVID.  
Fall quarter, 11-12. Room 34. Professor D'Ooge.
11. VERGIL.  
Winter quarter, 9-10. Room 34. Professor D'Ooge.
12. VERGIL.  
Spring quarter, 9-10. Room 34. Professor D'Ooge.

#### COLLEGE COURSES.

13. LIVY AND LATIN COMPOSITION (2 sections).  
Fall quarter, 8-9 and 10-11. Room 35. Mr. Norris.
14. LIVY AND LATIN COMPOSITION OR CICERO'S ESSAYS (2 sections).  
Winter quarter, 8-9 and 10-11. Room 35. Mr. Norris.
15. LATIN SELECTIONS.  
Spring quarter, 8-9. Room 35. Mr. Norris.
16. HORACE.  
Fall quarter, 8-9. Room 34. Professor D'Ooge.
17. HORACE.  
Winter quarter, 8-9. Room 34. Professor D'Ooge.
18. LATIN COMEDY.  
Spring quarter 8-9. Room 34. Professor D'Ooge.
19. LATIN WRITING 1 (3 times, 12 weeks' credit).  
Spring quarter, 10-11. Room 35. Mr. Norris.

This course is open to such only as have had at least four years of the language. It is designed to meet the needs of those who look forward to teaching Latin, and combines drill in the translation of connected English into idiomatic Latin with a thorough review of syntax.



20. **LATIN SIGHT READING** (2 times, 6 weeks' credit).

Fall quarter, 10-11. Room 34. Professor D'Ooge.

This course is open to such only as have at least four years of Latin. It affords systematic drill in the building of a vocabulary, and in the principles underlying the structure of the Latin sentence, so that the peculiarities of order may become thoroughly familiar and progress in reading be easier and more rapid.

21. **TEACHERS' COURSE IN CAESAR, CICERO AND VERGIL.**

Winter quarter, 11-12. Room 34. Professor D'Ooge.

This course is required of all who expect to teach Latin and is open to such only as have had at least five years of the language. The lectures present: (1) a brief history of the Latin language and its relation to other languages; (2) the justification of Latin in the secondary school; (3) problems and methods of teaching secondary Latin; (4) pronunciation, quantity, prosody; (5) a general bibliography and a consideration of the best text-books; (6) ancient books and the general principles of textual criticism. Students who are specializing may take this course as one of the required teachers' courses.

22. **HISTORICAL LATIN GRAMMAR** (2 times, 6 weeks' credit).

Spring quarter, 10-11. Room 34. Professor D'Ooge.

Course 22 is open only to those who have had at least five years of Latin.

23. **LATIN WRITING 2** (2 times, 6 weeks' credit).

Fall quarter, 10-11. Room 34. Professor D'Ooge.

Course 23 is an advanced course and presupposes a credit in Latin Writing 1. While the latter has most to do with matters of syntax, the former is devoted to a study of style and diction.

24. **LATIN INSCRIPTIONS** (2 times, 6 weeks' credit).

Spring quarter, 10-11. Room 34. Professor D'Ooge.

Course 24 is an advanced course, is conducted as a seminary, and is open only to ten students; it may be elected only by such as obtain special permission from the head of the department.

Students specializing in Latin should take at least a year of Greek if possible.

## Greek

### HIGH SCHOOL COURSES

1. BEGINNERS' GREEK.  
Fall quarter, 8-9. Room 36. Miss Muir.
2. BEGINNERS' GREEK.  
Winter quarter, 8-9. Room 36. Miss Muir.
3. BEGINNERS' GREEK AND ANABASIS.  
Spring quarter, 8-9. Room 36. Miss Muir.
4. ANABASIS AND GREEK COMPOSITION.  
Fall quarter, 9-10. Room 34. Professor D'Ooge.
5. ANABASIS AND GREEK COMPOSITION.  
Winter quarter, 10-11. Room 35. Professor D'Ooge.
6. HOMER'S ILLIAD.  
Spring quarter, 11-12. Room 35. Professor D'Ooge.

The above six courses (2 years) of Greek are often taken in the preparatory work of high schools, and are therefore called High School Courses. Students, however, who have had no Greek and wish to begin it here may elect it, and it will be credited on the electives of their Normal Course.

### COLLEGE COURSES

7. HOMER'S ODYSSEY.  
Fall quarter, 1-2. Room 36. Miss Muir.
8. HOMER'S ODYSSEY, LYSIAS AND GREEK COMPOSITION.  
Winter quarter, 1-2. Room 36. Miss Muir.
9. LYSIAS AND GREEK COMPOSITION.  
Spring quarter, 1-2. Room 36. Miss Muir.

No student may take up Greek who has not had at least one year of Latin. It is so important an adjunct of Latin that all who are preparing to teach the latter are strongly urged to take at least one year of Greek. A fair reading knowledge can be obtained in that time.

### COURSE IN GREEK ART

1. GREEK ART AND ARCHEOLOGY FOR BEGINNERS (2 times).  
Spring quarter, 4-5. Room 34. Professor D'Ooge.

This course is open not only to classical students, but also to others. The work is popular in character and aims to give, in a simple manner, such information in ancient art and architecture as every intelligent teacher should have. The course will be given by lectures and illustrated by the stereopticon.

#### COURSE IN MYTHOLOGY

The course in Mythology, which was given for the first time last year, has proved so useful and so popular that it will be given twice each year hereafter during the fall and winter terms, respectively. In 1906-7 the class will meet from 11 to 12 in Room 35 and be in charge of Mr. Norris. It is open not only to students of this department, but has been arranged especially for students outside of this department, particularly for such as are specializing in English or in History. For all these a good knowledge of Mythology is very essential.

#### PRACTICE TEACHING

Students preparing themselves for teaching Latin and Greek are given unusual advantages for practice teaching in the eighth, ninth, and tenth grades of the Training School under the supervision of a trained specialist.

#### CANDIDATES FOR DEGREES

Students who are candidates for degrees and are specializing in this department may elect in Greek any of the courses offered and in Latin any course above Course 6 for the work of the third or fourth college year.

Students not specializing may elect any of the work offered either in Greek or in Latin for the third or fourth college year.

Students who have finished the courses offered above and wish to continue further will be directed in their work by the head of the department.

#### LIBRARY AND ILLUSTRATIVE MATERIAL

The department has a well-equipped classical library of more than a thousand volumes, representing standard authorities in English, French and German. Large accessions to this collection are being made year by year, and the facilities of this nature are ample for all our purposes of study and investigation. Strong

emphasis is laid upon collateral reading in connection with all classical authors. The department is also well supplied with maps, charts, and photographs, of which constant use is made, and additional illustrative material has recently been provided in the shape of a large collection of lantern slides.

# Mathematics

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PROFESSOR ELMER A. LYMAN.

ASSOCIATE PROFESSOR JOHN C. STONE.

MISS ADA A. NORTON.

CLEMENS P. STEIMLE.

FRANK JENSEN.

MISS BERNICE SARGENT

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## PREPARATORY COURSE

1. PREPARATORY ARITHMETIC. 12 WEEKS.

A thorough drill in the fundamental parts of arithmetic. The aim of this course is to secure rapidity and accuracy in computing. Fall and winter quarters. Room 55. Mr. Steimle and Miss Sargent.

## HIGH SCHOOL COURSES

The following courses are required of all regular four years' course students:

2. ALGEBRA 1. 12 WEEKS.

Elementary algebra through factoring. Fall and spring quarters. Room 31. Mr. Steimle.

3. ALGEBRA 2. 12 WEEKS.

A continuation of Algebra 1 through equations of the first degree with two unknown quantities. Fall and winter quarters. Room 31. Mr. Steimle.

4. ALGEBRA 3. 12 WEEKS.

A continuation of Algebra 1 and 2 to quadratic equations. Winter and spring quarters. Room 55. Miss Norton and Mr. Steimle.

5. ALGEBRA 4. 12 WEEKS.

Algebra completed through quadratic equations. Fall and spring quarters. Room 55. Miss Norton and Miss Sargent.

6. PLANE GEOMETRY 1. 12 WEEKS.

An elementary course in plane geometry through rectangular figures and the equality of polygons. Fall and spring quarters. Room 31. Mr. Jensen.

## 7. PLANE GEOMETRY 2. 12 WEEKS.

A continuation of Course 5. Fall and winter quarters.  
Room 31. Mr. Jensen.

## 8. PLANE GEOMETRY 3. 12 WEEKS.

A continuation of Course 6. Room 55. Mr. Jensen.

## 9. SOLID GEOMETRY . 12 WEEKS.

Room 31. Mr. Steimle.

### COLLEGE COURSES

Course 14 or 15 is required of all students taking the general course.

## 10. TEACHERS' ARITHMETIC. 12 WEEKS.

This course is carried on partly by lectures on the history and pedagogy of the subject, and partly by a review of the typical parts of the subject. This course must be preceded by all of the high school courses given above. Offered each quarter. Room 54, Professor Lyman. Room 30, Associate Professor Stone. Room 55, Miss Norton.

## 11. METHODS IN ALGEBRA. 12 WEEKS.

This course covers the work in secondary schools, and is designed for teachers or those who intend to become teachers. Special attention will be paid to the history and pedagogy of the subject. Fall quarter. Room 30. Associate Professor Stone.

## 12. METHODS IN GEOMETRY. 12 WEEKS.

A review of plane and solid geometry. Special attention will be paid to methods and presentation of the subject. Winter quarter. Room 54. Professor Lyman.

## 13. HISTORY OF MATHEMATICS. 12 WEEKS.

This course is designed to show the student how the subjects he is to teach have developed. Students have access to the large collection of books in the library. Spring quarter. Room 55. Miss Norton.

## 14. TRIGONOMETRY. 12 WEEKS.

An elementary course in plane and spherical trigonometry. Presupposes all high school courses. Each quarter. Room 30, Associate Professor Stone. Room 55, Miss Norton.

15. HIGHER ALGEBRA 1. 12 WEEKS.  
Besides giving a more comprehensive view of elementary algebra than could be given in Courses 2, 3, 4, 5, a thorough study is made of the idea of a function, the remainder theorem, symmetry, variation, the progressions, determinants and the graph. Presupposes all high school courses. Each quarter. Room 55. Miss Norton.
16. HIGHER ALGEBRA 2. 12 WEEKS.  
Higher Algebra continued through the text, and additional work given on the theory of the equation. Winter and spring quarters. Room 30. Associate Professor Stone.
17. ANALYTICAL GEOMETRY. 12 WEEKS.  
An elementary course in analytical geometry. Presupposes all the previous courses except 10, 11, 12 and 13. Fall quarter. Room 54. Professor Lyman.
18. DIFFERENTIAL CALCULUS. 12 WEEKS.  
Presupposes Course 17. Winter quarter. Room 54. Professor Lyman.
19. INTEGRAL CALCULUS. 12 WEEKS.  
Spring quarter. Room 54. Professor Lyman.
20. THEORY OF EQUATIONS. 12 WEEKS.  
This course presupposes Courses 14, 15 and 16. Chapters I-X. Spring quarter. Room 30. Associate Professor Stone.
21. SOLID ANALYTICAL GEOMETRY. 12 WEEKS.  
An elementary course in solid analytical geometry. Presupposes all of the above courses except 11, 12, 13, and 20. Room 53. Professor Lyman.
22. DIFFERENTIAL EQUATIONS. 12 WEEKS.  
Room 53. Professor Lyman.
23. THEORETICAL MECHANICS. 12 WEEKS.  
Room 53. Professor Lyman.
24. MATHEMATICAL READING. Time and credit to be arranged.  
Room 53. Professor Lyman.

#### DEGREE WORK IN MATHEMATICS

The courses in Algebra 3 and 4, Plane and Solid Geometry

will not be credited on the work of the third or fourth college year.

Students who are specializing in this department may elect Courses 21, 22, 23 and 24 for the third or fourth college year.

Students who are not specializing in this department may elect from Courses 11-19 inclusive for the third or fourth college year.

The course in Mathematical Reading (24), is a distinctively fourth year course.



# Music

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PROFESSOR FREDERIC H. PEASE.

MR. MINOR E. WHITE.

MISS CLYDE E. FOSTER.

MISS RUTH PUTNAM.

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## HIGH SCHOOL COURSES

1. ELEMENTS OF MUSIC 1. 12 WEEKS.

Text-book; Pease and Lawrence's Choral Instruction Course. Summer and spring quarters, 9-10. Winter and fall quarters, 1-2. Mr. White. No credit given unless Elements 2 is also taken.

As the foundation of all future study is laid in this class it should be considered of more importance than any other.

The work consists of a careful development of the science of music from the very beginning, together with practical study of sight-reading, voice and ear training.

2. ELEMENTS OF MUSIC 2. 12 WEEKS.

Same text-book as in 1. Summer and spring quarters, 8-9. Winter quarter, 9-10. Miss Putnam. For Elements of Music 1 and 2 a credit of 24 weeks is given.

Both classes strongly recommended to college students.

## COLLEGE COURSES.

4. METHODS IN MUSIC FOR 8 GRADES. 12 WEEKS.

Text-book; First Reader of Modern Music Series, and Rote Song Book by Ripley and Tapper. Also the Educational music course. Summer quarter, twice daily. Miss Foster. Fall quarter, 2-3. Miss Putnam. Winter quarter, 2-3. Miss Foster. Spring quarter, 8-9.

This is one of the regular Teachers' courses in the College, and should be taken by all Normal students. It does not presuppose a knowledge of music, except familiarity

with the rudiments of music as taught in the Elements of Music class courses.

Students in this class of twelve weeks are prepared especially for teaching singing in the eight grades. Observation of the work is made at the training school. Full credit is given.

5. KINDERGARTEN PRIMARY MUSIC. 12 WEEKS.

Text-book: Primer of Modern Music Series. Miss Foster. Fall and winter quarters, 8-9. Miss Foster. Full credit given.

The work in this class consists of a study of the care and guidance of the young child's voice, the development of a feeling of rhythm, the training of monotonies, and the manner of presenting songs to children.

A sequence of games and songs for the year is memorized, and the playing of such music as is used in the marches and games is emphasized.

6. METHODS IN HIGH SCHOOL MUSIC. 12 WEEKS.

This class is devoted largely to theory and professional work for advanced or high school grades. It is a continuation of the class in Methods for the 8 grades and of Elements 1 and 2, which precede it. Text-books: Choral Instruction Course and Choral Song Book, both by Pease & Lawrence. Spring quarter, one section, 9-10. Room 2, Conservatory. Professor Pease. 12 weeks' credit.

7. HISTORY AND LITERATURE OF MUSIC 1, 2 AND 3. 36 WEEKS.

A course giving an outline of music and musicians, with a course of reading relating to musical literature. Text-books: Hunt's Musical History and Dickinson's Outline of History. Fall, winter and spring quarters, 10-11. Miss Putnam.

8. DEPARTMENT TEACHING. 12 WEEKS.

Required in Public School and Music and Drawing courses. Teaching done under Miss Foster's supervision.

9. VOICE CULTURE 1. 12 WEEKS.

Summer quarter, 10-11. Miss Putnam and Professor Pease. Fall quarter, 10-11, 4-5. Winter quarter, 4-5. Spring quarter, 9-10, 11-12. Miss Putnam. Mr. White.

There are three classes in voice culture of one quarter

each. The voice, its development, culture, resonance, permeation, together with the art of singing, including rendition, pronunciation, articulation and expression are the subjects taught, the professional instruction being dwelt on at each point. For 24 weeks of class work 12 weeks' credit is given.

10. VOICE CULTURE 2. 12 WEEKS.

Fall quarter, 9-10. Winter quarter, 9-10. Spring quarter, 9-10. Miss Putnam, Mr. White.

11. VOICE CULTURE 3. 12 WEEKS.

Fall and winter quarters, three times a week, 9-10. Professor Pease.

All the Voice Culture Classes are adapted to the needs of College students.

12. ARTISTIC CLASS IN SINGING. 12 WEEKS.

To prepare for singing in public. It meets twice a week. Fall, winter and spring quarters, 10-11. For advanced pupils only. Professor Pease.

13. HARMONY 1. 12 WEEKS.

Text-book: Foote, Anger, Norris and York. Summer quarter, 10-11. Fall quarter, 11-12. Mr. White, Miss Putnam and Professor Pease.

The study in harmony follows that in methods in high school music, and continues through six terms. Harmony 1 is also given during the summer term. Harmony is taught both as a science and as an art, and is made the basis for further progress in counterpoint and composition. It is also the foundation for a better understanding of instrumental music, and a help in learning to read music at sight. Full credit.

14. HARMONY 2. 12 WEEKS.

Same texts as in 1. Winter quarter, 11-12. Miss Putnam, Mr. White. Full credit.

15. HARMONY 3. 12 WEEKS.

Spring quarter, 11-12. Miss Putnam and Professor Pease. Same text as in 1 and 2. 36 weeks' credit. An application of harmony study to the piano forte, and a further training in the mental conception of tones in melodies and in chords. Harmony 3 is followed by 4, 5 and 6, and consists of advanced study.

16. COUNTERPOINT 1. 12 WEEKS.  
Text-book: Bridge, Pearce and Norris's Counterpoint Fall quarter, 11-12. Professor Pease.  
Counterpoint is given during the fall, winter and spring quarters, and should follow Harmony. It includes the five species in two, three and four voices.
17. COUNTERPOINT 2. 12 WEEKS.  
Same text-book used as for Counterpoint 1. Winter quarter, 11-12. Professor Pease.
18. COUNTERPOINT 3. 12 WEEKS.  
Same text-book used as for 1 and 2. Spring quarter, 11-12. Professor Pease. Full credit.
19. FORM AND COMPOSITION 1. 12 WEEKS.  
Text-books: Stainer's Form in Composition and Anger's Form in Music. Fall quarter, 9-10. Professor Pease.  
Composition is continued during the fall, winter and spring quarters, and is the practical application of the previous studies in harmony and counterpoint.
20. MUSICAL FORM AND ANALYZATION FOR SUPERVISORS.  
Spring quarter, 9-10. Professor Pease.
21. FORM AND COMPOSITION 2. 12 WEEKS.  
Same text-book as in 1. Winter quarter, 9-10. Professor Pease.
22. FORM AND COMPOSITION 3. 12 WEEKS.  
New text-book. Spring quarter, 9-10. Professor Pease. Full credit.

#### Credits

Elements of Music 1 and 2, Voice Culture and Teachers' Music will not be credited in the third or fourth college year.

Students who are specializing in music may elect courses in counterpoint, musical composition, piano, organ, violin and harmony for the third or fourth college year.

#### DEGREE COURSES

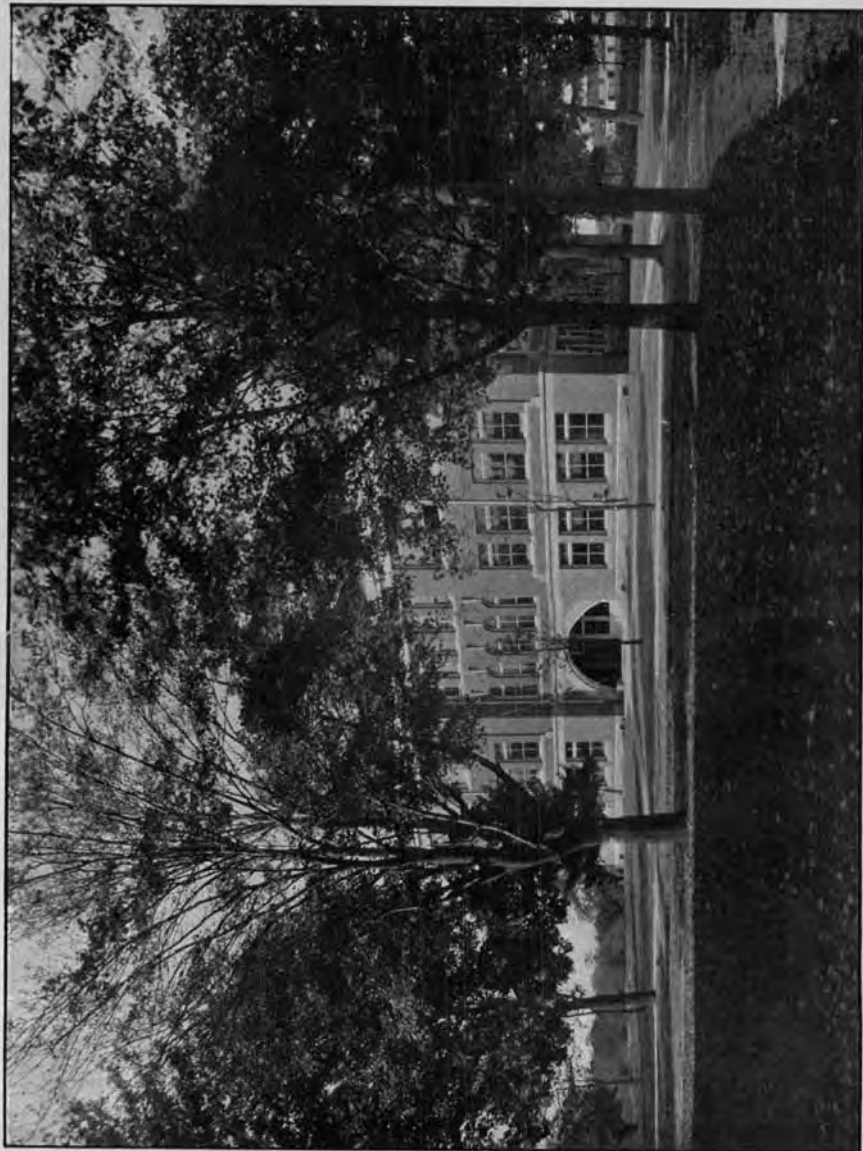
Harmony 1, 2 and 3.

Counterpoint 1, 2 and 3.

Double Counterpoint, Fugue and Composition or Piano, Organ or Violin, three years each.

All music classes are open to College as well as Conservatory students.

The  
Science  
Building



# Natural Sciences

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PROFESSOR WILLIAM H. SHERZER.

MISS JESSIE PHELPS.

MISS MARY A. GODDARD.

MR. S. D. MAGERS.

Pupil Assistants—Miss S. Edith King, Miss Edna Jackson, and  
Mr. W. Glen Lewis.

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The new science building greatly increases the facilities of the department and renders possible a grade of work which could not before be attempted. The Laboratory courses in physiology, zoölogy, botany and geology require two hours daily, but into these two periods is intended to be brought *all* the work of the class, including preparation of notes, library assignments, reviewing for quizzes, etc. In certain indicated subjects these two periods must be consecutive. In the other laboratory classes it is very desirable that the hour preceding, or immediately following the class hour, be left open and this should be done whenever the schedule will possibly permit. Students seeking electives in the department are urged to make their selection early in the year and then note the quarter, or quarters, in which these subjects are offered. Those upon the general course are notified that their elective may be selected from any one of four lines; geology, zoölogy, botany or physiology. The particular course that it is desirable to elect will depend upon the preparation and prospective work of the student. The following are ordinarily recommended: geology, courses 17, 18, 19 or 20; botany, 4, 5 or 6; zoölogy, 9, 10 or 11; for those who have completed the course in teachers' physiology, either 14 or 15.

## HIGH SCHOOL COURSES

### 1. PREPARATORY PHYSIOLOGY.

This course is intended as a preparation for the teachers' course in physiology for those who enter with insufficient knowledge of laboratory methods. For graduates of high schools who have had no physiology above the grades the

course is counted as an elective and should be taken by such *special* as well as *general* students. The frog is used as a basis for the work, its various structures being dissected and its tissues examined with the microscope, in order that its physiology may be better understood. Constant reference is made to the human subject, Martin's Human Body (Briefer Course) being used as a text. Winter quarter, 10-11. Spring, 1-2. Room M. Miss Phelps.

## 2. STRUCTURAL BOTANY.

This course serves as an introduction to the biological sciences and should be taken by all high school graduates whose botanical work was incomplete or unsatisfactory. For such students the course counts as a regular college elective.

Plants are studied as living, working organisms and something of their importance to man is taught. Stress is placed on their life activities, and to give an understanding of how they perform their work, their gross and cellular structure are studied. Special emphasis is laid on such activities as plant respiration and starch formation, and attention is given to the part the sun's energy plays in plant life. It includes work with the compound microscope and observational and experimental work in the laboratory. Two consecutive hours. Lectures and quizzes. No text. Fall and winter quarters. Rooms F and H, 8-10 and 10-12. Miss Goddard.

## 3. SYSTEMATIC BOTANY.

This course aims to give the student a general view of the plant kingdom. Typical forms of each group of cryptogams (non-flowering plants) are studied and also of the phanerogams, or flowering plants. A study is made of the winter buds of our common trees and shrubs, noting especially their protective devices and considering their importance. This work is followed by an outdoor study of the more common forest and fruit trees. Attention is given to the morphology of the root, stem, leaf and flower, the subject of fertilization, distribution, etc. Laboratory and field work, lectures and quizzes. Two consecutive hours. Gray's Manual is used for identification. It would be well to precede this by Course 2. Spring quarter only. Rooms F and H, 10-12 and 2-4. Miss Goddard.

## COLLEGE COURSES

## 4. CRYPTOGAMIC BOTANY.

This is a course in the so-called flowerless plants. A series of typical forms is studied, passing from the algae to the mosses, ferns and equisetum. Special attention is given to the subject of reproduction in the different forms and to alternation of generations. Stress is laid upon the evidence of plant evolution. Laboratory work and lectures, with some field work. No text. Fall quarter only. Rooms F and G, 2-3. Miss Goodard.

## 5. PLANT PHYSIOLOGY.

This is a course designed to give the student an opportunity to do individual experimental work in the laboratory, in order that he may become familiar with the handling of laboratory equipment and the setting up of experiments. It deals mainly with advanced physiology, taking up problems of growth, irritability, the nature of stored food, the action of organized and unorganized ferments and the fertility of the soil. A study of cell division is made. This course should be preceded by Courses 2 and 3, or their equivalent. Students who are planning to take chemistry of common life, or other work in chemistry, will find it helpful to do so, if possible, before taking this course. Winter quarter only. Rooms F and G, 2-3. Miss Goddard.

## 6. PLANT ECOLOGY.

The work in this course is designed especially for those who received credit in two elementary courses in botany on entering the Normal, but who desire an additional course to prepare them for teaching the subject. It is also a practical course for those who have taken Courses 2 and 3 in the Normal. A study of plant societies is made, grouping plants according to the amount of light and moisture they require. Attention is given to the structural adaptation to environment and to the habits of plants. Such ecological subjects as cross-pollination and seed distribution receive special attention, stress being laid on their relation to the perpetuation of species. This course will consist largely of outdoor study. A brief time toward its close will be devoted to a discussion of botanical texts and reference books and to the question of high school



courses. Spring quarter only. Rooms F and H, 7-9. Miss Goddard.

7. PLANT EMBRYOLOGY.

The development of calyx, corolla, stamens and pistils will be traced, stress being laid on the formation and growth of pollen grains and ovules. The process of fertilization and the development of the embryo will be carefully studied and explained. The work will be largely microscopical and will include some training in the making of permanent mounts showing sections of various parts of the flower. This course should be preceded by Cryptogamic Botany and Plant Physiology, or their equivalent. Spring quarter. Hours to be arranged. Room H. Miss Goddard.

8. BOTANICAL PROBLEMS.

This course is open to those who have had plant embryology. Individual problems in plant physiology, morphology, or ecology will be assigned each student, the nature of the problem depending upon the materials available, the season of the year, and the student's preference. The laboratory study will be supplemented by library and field work and from time to time each member of the class will report as to methods pursued and results obtained. Hours to be arranged. Fall quarter. Room F. Miss Goddard.

9. ANIMAL STUDIES (previously called Elementary Zoölogy).

This course seeks to supplement the lecture courses in Primary and Secondary Nature Study, by giving opportunity for direct observational work on the material used in the nature study of elementary schools. It is arranged especially for those preparing to teach in the primary grades. The mode of life, general physiology and economic value of our common birds, insects, mammals, brook forms and domestic animals are studied first hand in the laboratory and field; and the methods of presenting this material to children are discussed. One excursion of two or three hours' length may be expected each week. No previous preparation is required, and in fact it is advised that this precede or accompany the course in Primary Nature Study. Text: Jordan, Kellogg and Heath, Animal Studies. Fall and spring quarters, 3-4. Room M. Miss Phelps.

10. GENERAL ZOÖLOGY. 12 AND 24 WEEKS.

This course aims to give the beginning student in Zoölogy

a general survey of the entire animal kingdom, and an understanding of the principles of living material. Such topics as the following will be discussed and, as far as possible, illustrated in the laboratory and museum material:—(a) structure and properties of protoplasm; (b) radial and bilateral symmetry; (c) mimicry; (d) economic adaptations; (e) biogenetic law; (f) heredity; (g) evolution; etc. The usual amount of laboratory work upon the more important forms will be given. The full course will extend throughout two quarters, but the first quarter's work may be elected as General Zoölogy 1 without reference to the second quarter and will receive twelve weeks' credit. The second quarter's work, however, must be preceded by the first, or its equivalent. Text: Orton-Dodge, General Zoölogy.

General Zoölogy 1 requires two consecutive hours. Fall quarter, 1-3. Room M. General Zoölogy 2, winter quarter, 1-2. Room M. Miss Phelps.

11. VERTEBRATE STRUCTURES.

This is a course in the dissection of a small mammal, and a bird, and is designed for specializing students of physiology, physical culture or zoölogy. Especial emphasis will be put upon the structure of the nervous, respiratory, circulatory, and muscular systems, and their function and adaptations. The course is open to those who have had General Zoölogy 1 and 2, or an equivalent. Spring quarter, 2-3. Room M. Miss Phelps.

12. SPECIAL STUDIES IN ZOÖLOGY.

An opportunity is here offered to students showing aptitude for the natural sciences to do individual work in the field, and laboratory, and library with problems relating to industrial zoölogy; animal ecology; animal physiology; manipulation of laboratory and museum material; etc.; or, if students seeking degree courses the work will be made to consist of the microscopic study of tissues (histology) or of the development of organs (embryology). Fall and spring quarters. Hours to be arranged. Room M. Miss Phelps.

13. TEACHERS' PHYSIOLOGY.

While this course is intended primarily as a preparation

for teaching physiology in the grades, yet a broader view and a deeper insight into the subject is intended than is possible to be obtained in the high school course which is supposed to have preceded it. During the early part of the term, the nature of the chemical elements which enter into the composition of protoplasm will be studied. Special attention will be given to the nature, composition and nutritious values of foods, effects of alcohol, narcotics, to hygiene, sanitation and contagious diseases. The course is given by means of lectures, readings, demonstrations and experiments. Offered each quarter. Room K. Mr. Magers. Fall; 10-11, 2-3 and 3-4. Winter and spring, 2-3 and 3-4.

14. **ADVANCED PHYSIOLOGY.**

A course for students who have completed the Teachers' Physiology and have had such training in physics and chemistry as will enable them to set up apparatus and perform experiments demonstrating the causes of physiological phenomena. It will include the usual laboratory experiments showing the action of nerve, muscle and blood tissues, the circulatory, respiratory and digestive organs. Especial laboratory study will be made of the organs of the special senses, not only with a view to determine their structure, functions and hygiene, but also methods of ascertaining the nature and extent of defects in these organs. The Training School will afford excellent opportunities for making such examinations and keeping the records showing the effects of these deficiencies on school work. An aid to child study.

The course will include six hours' laboratory work and two hours' class work per week. Winter term, 10-12. Room L. Mr. Magers.

15. **BACTERIOLOGY.**

While this course is designed especially for students taking the special course in Domestic Science, it is believed that it will prove to be of interest to others. Emphasis is placed on the study of the nature and cultural effects of those bacteria that affect the home; the nature, action and uses of the cultivated yeasts, and their relation to the "wild" yeasts, together with the modes of culture and destruction of the molds that are a source of annoyance in

the home. The course will be given by means of lectures, recitations and laboratory practice. Spring quarters, 10-12. Rooms K and L. Mr. Magers.

16. PRIMARY NATURE STUDY.

This course is designed for those who will teach in the elementary schools, or who will supervise such teaching. It is very largely a lecture course. The principles of natural selection and the doctrine of evolution are discussed as they relate to plants, animals and the child. The purposes of nature study, the principles of method and a detailed primary course are presented as far as time permits. Devices for the keeping of live material in the school room are exhibited in operation and described. Each quarter, with an abridged course during the summer session. Room A, 8-9 and 9-10. Professor Sherzer.

17. MINERALS AND ROCKS.

This is a practical course in the study of our common minerals and rocks. Blowpipe methods and simple chemical manipulation are taught. Especial attention is given to Michigan minerals, their occurrence, formation and economic importance. An elementary knowledge of chemistry will be found helpful. Fall quarter only, with an abridged course during the summer session. Rooms A and C, 10-11. Professor Sherzer.

18. DYNAMICAL GEOLOGY.

This course is intended to give some idea of the agencies which have determined the shape and character of the earth's surface, and which are still at work in modifying it. These are classified under the following heads: Atmospheric, aqueous, organic and igneous agencies. The work consists of recitations, reports upon special topics, lectures and field lessons. The lantern and collection of photographs are made much use of throughout the course. Brigham's Geology is used as a text. Winter quarter only. Room A, 10-11. Professor Sherzer.

19. HISTORICAL GEOLOGY.

A close study of the evolution of the earth and its inhabitants by means of lectures, reading, recitations and museum work upon fossil forms. Previous work in botany, zoölogy and dynamical geology is desirable. The geo-

logical column is taken up in order and brought down to the historic period. The character of the rocks is studied, thickness, home and foreign localities, their teachings, economic products and forms of life. Especial attention is given to the structure of our own state, a geological map and sections being prepared by each student. Spring quarter only. Rooms A and C, 10-11. This course alternates with Glacial Geology being offered in 1906 and 1908. Professor Sherzer.

20. GLACIAL GEOLOGY.

In this course there is attempted a detailed study of the formation, distribution, structure, characteristics and geological activity of existing glaciers and ice sheets. The direct and indirect effects of the great ice movements across the State of Michigan are carefully studied, and the moraines, ancient beaches and glacial lakes are mapped. An effort is made to have the pupil appreciate as fully as possible the extent to which this glacial history still affects the lives of Michigan people. Lectures, library and laboratory work with field observations. The course should be preceded by dynamical geology and a year's work in physics. Spring quarter. Room A, 10-11. This course is given upon alternate years, being offered in 1907. Professor Sherzer.

21. PALAEOLOGY.

This is a practical laboratory and museum course upon the more important types of animals and plants which have characterized the various ages of the world's history. The various methods of preparing such material for external and internal study will be learned, and some practice had in collecting fossils from such localities as can be reached by the student. Hours to be arranged. The course must be preceded by at least a year's work in geology, zoölogy and botany. Rooms B and C. Hours to be arranged. Fall quarter. Professor Sherzer.

22. DEPARTMENT TEACHING.

The opportunity is offered to a limited number who are looking forward to high school work, to assist in the management of some of the regular laboratory classes. Each such pupil gains experience in giving individual assistance in the laboratory, in the inspection of notes and drawings,

the collection and preparation of material, the setting up of experiments, and the presentation to the class of certain selected topics. Opportunity is afforded a few to teach regularly in the high school classes of the Training School.

23. BIRD AND TREE CLUB.

Students, especially those doing work in the department, who are interested in out-of-door study, are invited to join the Saturday excursions. Number limited to twenty. No credit. Spring and fall quarters, beginning fall of 1905. Miss Phelps and Miss Goddard.

#### DEGREE COURSES.

For work of the last two college years the courses in preparatory physiology, structural and systematic botany, animal forms, primary nature study and teachers' physiology are not accepted. Special students in the department may elect any of the other courses which have not already been used in securing their life certificates. General students may also elect from this list upon the advice of the head of the department. Courses 7, 12, and 21 are especially intended for advanced students who have had the requisite amount of preparatory work. Those desiring these courses should confer with the teacher in charge as early as possible.

#### SPECIAL STUDENTS

Students of special aptitude in the natural sciences and with some successful experience in teaching are invited to make application for enrollment as special students of the department, after one or more subjects have been completed. A limited number of such students will be accepted, only as many as there is reasonable hope of locating in our Michigan high schools.

# Physical Education

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The courses offered in this department constitute two groups:

(a) Practical Courses. Here classes for men and women are separate, special suits are required, and no credit is given.

(b) Professional Courses, consisting of lectures, recitations, etc., open to both men and women, and credited as in case of any academic subject.

## MEN'S DEPARTMENT

### PROFESSOR WILBUR P. BOWEN

Four terms of practical work are required of all students before graduation. Physical Training 1 must be taken by all. The three other courses required may be chosen from the nine terms of practical work offered, subject to the approval of the director.

Regular attendance is as essential as in other college work. Those doing gymnasium work wear a regulation suit. The suit, costing \$3.00 to \$5.00, involves the only expense demanded by the practical work.

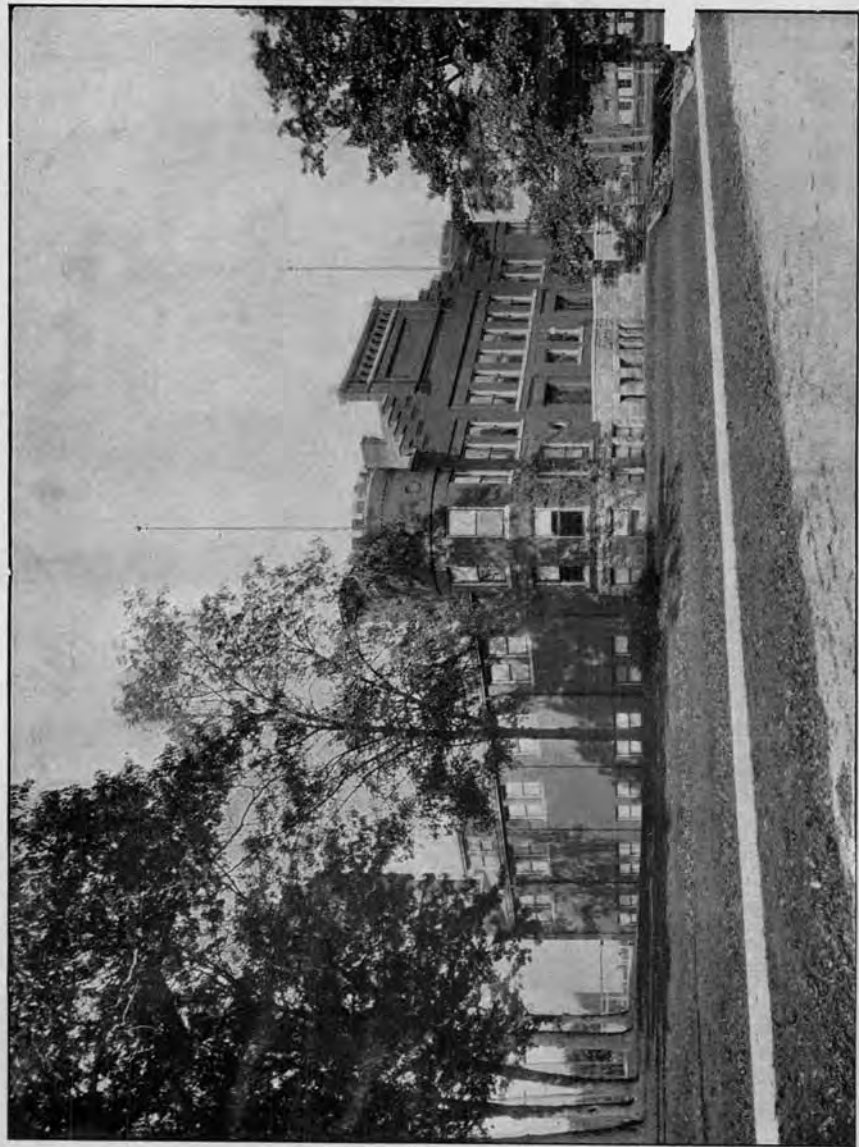
Each student is examined on beginning practical work, no effort being spared to insure that benefit shall always result from the exercise, and to prevent any injury. Students physically unfit at any time for any part of the work are excused from the same during the period of disability.

Those excused observe the work of the classes and are held responsible for an acquaintance with the exercises for purposes of teaching.

#### 1. PHYSICAL TRAINING, 1 FOR MEN. 12 WEEKS.

Course 1 is required of all students. Elementary Swedish gymnastics, gymnastic games, and military marching. Lectures on personal hygiene. Winter quarter, 3-4. Professor Bowen.

The  
Gymnasium





**2. PHYSICAL TRAINING 2 FOR MEN. 12 WEEKS.**

Course 2 presupposes Course 1. Dumb-bell and wand exercises. Track and field events. Lectures on personal hygiene. Spring quarter, 4-5. Professor Bowen.

**3. PHYSICAL TRAINING 3, FOR MEN. 12 WEEKS.**

Indian club exercises. Winter and Spring quarters, 1-2. Professor Bowen.

**4. PHYSICAL TRAINING 4 FOR MEN. 12 WEEKS.**

Work on apparatus, including pulleys, horizontal bar, parallel bars, climbing apparatus, ladders, horse, flying rings, traveling rings, and tumbling. Lectures on bodily development. The work is largely individual and not limited to any definite grade, so that the course may be repeated with profit. Fall and spring quarters, 11-12. Professor Bowen.

**Athletics.**

This work, conducted by Professor Bowen and his assistants, is intended to give prospective teachers systematic instruction in this branch of Physical Education, looking towards the supervision of such work in schools. Each course is accompanied by lectures on professional and practical phases of the subject.

1. Football. Fall quarter, 4-6.
2. Basket Ball. Winter quarter, 4-6.
3. Base Ball. Spring quarter, 4-6.
4. Track and Field Events. Winter and Spring.
5. Tennis. Fall and Spring.

**WOMEN'S DEPARTMENT**

MRS. FANNIE CHEEVER BURTON.

MISS INEZ CLARK.

MISS IRENE CLARK.

MISS ELTA LOOMIS.

Four terms of practical work are required of all students before graduation. This includes the first three courses, together with Course 4, 5 or 6 at student's option. For the three years' certificate the first three courses are required.

All students doing practical work are required to wear the regulation suit and attend classes regularly. This suit, costing about \$5.00, includes all the expense demanded by the practical work. (Students find it less expensive and more desirable to secure suits after reaching here.)

Each student is examined before beginning work, to ascertain her special deficiencies and needs, as regards development, and a medical examination is also given, no effort being spared to insure that benefit shall always result from the exercise, and to prevent any injury. Students physically unfit at any time for any part of the work are excused from the same during the period of disability. Those thus excused observe the work of the class, and are held responsible for acquaintance with the work.

1. PHYSICAL TRAINING 1. 12 WEEKS.

Course 1 is required of all students. Elementary Swedish gymnastics and gymnastic games, with lectures on posture, personal hygiene and Swedish gymnastics.

Summer quarter, 10-11. Mrs. Burton.

Fall quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss Loomis.

Winter quarter, 4-5. Miss Clark.

2. PHYSICAL TRAINING 2. 12 WEEKS.

Course 2 presupposes Course 1. Wand and dumb-bell exercises, marching, running and basket ball.

Winter quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss Loomis.

Spring quarter, 4-5. Miss Clark.

3. PHYSICAL TRAINING 3. 12 WEEKS.

Course 3 presupposes Course 1 and preferably Course 2. Indian club exercises with individual assigned work on apparatus, fancy steps and basket ball.

Spring quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4. Mrs. Burton, Miss Clark and Miss Loomis.

Fall quarter, 4-5. Miss Clark.

Winter quarter, 11-12. Miss Clark.

When Courses 1 and 2 and 3 are finished, Courses 4, 5 and 6 may be taken in any order.

4. PHYSICAL TRAINING 4. 12 WEEKS.

Advanced work in Swedish gymnastics, hand rings, fancy steps and basket ball, with lectures on progression in Swedish gymnastics, arrangement of lessons, manner of teaching, etc., and practice in teaching exercises to individuals and small squads.

Summer quarter, 11-12. Mrs. Burton.

Fall quarter, 11-12, 2-3. Mrs. Burton.

5. **PHYSICAL TRAINING 5. 12 WEEKS.**  
Indian clubs, dumb-bells, bounding balls and professional training in the teaching of the same.  
Winter quarter, 11-12, 2-3. Mrs. Burton.
6. **PHYSICAL TRAINING 6. 12 WEEKS.**  
Grace hoops, wands, Indian clubs and military marching, and professional training in the teaching of the same.  
Spring quarter, 11-12, 2-3. Mrs. Burton.
7. **PHYSICAL TRAINING 7, 8 AND 9. 12 WEEKS.**  
Advanced military marching, æsthetic gymnastics, minuets and fancy club swinging.  
The work is varied to meet the needs of the classes.  
Fall, winter and spring quarters, 4-5. Mrs. Burton.  
These advanced courses are open only to those who have had two years' work, or, having done especially strong work for a shorter time, are permitted to do so by the director.

#### Public School Gymnastics

Offered especially for teachers who desire to get a variety of work without special attention to personal benefit.

Wands, dumb-bells, marching, fancy steps, grace hoops, bounding balls, small rings. Summer quarter, 10-11, 11-12. Mrs. Burton and Miss Clark.

#### PROFESSIONAL COURSES

1. **TEACHERS' COURSE IN PHYSICAL EDUCATION. 12 WEEKS.**  
The place of Physical Training in Education, the leading systems, plays and games, corrective exercises, general effects of exercise, the selection of exercises for different grades, methods of teaching, etc. Fall, winter and spring quarters, 2-3. Summer term, 9-11. Professor Bowen.
2. **HISTORY AND LITERATURE OF PHYSICAL EDUCATION. 12 WEEKS.**  
Fall quarter, 10-11. Professor Bowen.
3. **MECHANICS OF EXERCISE. 12 WEEKS.**  
Lectures, demonstrations, laboratory work, and recitations, on the anatomy and mechanics of muscular exercise. Treatment of injuries is included in this course. Teachers' course must precede.  
Winter quarter, 10-12. Professor Bowen.
4. **PHYSIOLOGY OF EXERCISE. 12 WEEKS.**  
Lectures, demonstrations, laboratory work, and recitations

upon the physiological effects of exercise, with especial reference to circulation and respiration. Teachers' course must precede. Spring quarter, 10-12. Professor Bowen.

5. **TEACHING. 12 WEEKS.**

Professor Bowen or Mrs. Burton.

**DEGREE WORK IN PHYSICAL EDUCATION**

Practical Courses in Physical Training will not be credited on the work of the third or fourth college year.

Students who are specializing in this department may elect professional courses 1, 2 and 3 for the third or fourth college year.

**PROFESSIONAL COURSES**

1. **TEACHERS' COURSE IN PHYSICAL EDUCATION. 12 WEEKS.**

The place of Physical Training in Education, the leading systems, plays and games, corrective exercises, general effects of exercise, the selection of exercises for different grades, methods of teaching, etc. Fall, winter and spring quarters, 2-3. Summer term, 9-11. Professor Bowen.

2. **HISTORY AND LITERATURE OF PHYSICAL EDUCATION. 12 WEEKS.**

Fall quarter, 10-11. Professor Bowen.

3. **MECHANICS OF EXERCISE. 12 WEEKS.**

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Students who are specializing in sith department may elect professional courses 1, 2 and 3 for the third or fourth college year.

# Physical Sciences

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PROFESSOR E. A. STRONG.

ASSISTANT PROFESSOR B. W. PEET.

ASSISTANT PROFESSOR FRED R. GORTON.

MR. C. D. CARPENTER.

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## HIGH SCHOOL COURSES

All rooms are in the Science building.

### 1. PRINCIPLES OF PHYSICS.

A review and lecture course on the important principles of physics for students who wish to advance somewhat beyond the high school stage of the subject or to make a strong review of physics. Follows a year's work in ordinary high school. Credit will be given for this course but it will not be accepted as the physical science subject required of general students. Every quarter daily. Rooms 1 and 6. Professor Strong and Assistant Professor Gorton.

### 2. PHYSICS 1.

A demonstrative and laboratory course in the mechanics of solids and fluids. This is the fundamental subject in Physics and should be taken by all who have not had a year's work in Physics in a good high school following the completion of Algebra and Geometry and with full laboratory practice. Follows geometry. An elementary knowledge of trigonometry is desirable. Fall quarter. Professor Strong. First and second hours. Daily the first hour and Mondays and Wednesdays the second hour. Rooms 6 and 11.

### 3. PHYSICS 2.

An elementary course in heat and light, with abundant demonstrative and laboratory work. Like the preceding course, it uses the graphical method freely, and employs the processes of algebra and geometry constantly. Fol-

lows Course 1 or 3. Winter quarter. Daily the third hour, and Mondays and Wednesdays the second hour. Professor Strong. Rooms 6 and 11.

4. PHYSICS 3.

Magnetism, electricity and sound. A full demonstrative course, with students' table work, mainly in electrical measurements. Follows Courses 1 or 2 above. Assistant Professor Gorton. Room 6. Spring quarter. Daily the third hour and Tuesdays and Thursdays the second hour.

5. CHEMISTRY OF COMMON LIFE.

A brief popular course in the elements of inorganic and organic chemistry for the benefit of teachers in the grades who are not able to take more extended work. It is also designed for those students who desire to understand chemical allusions in other subjects of study, and to know something of the chemistry of daily life. No previous knowledge of chemistry is necessary. Not accepted as the physical science subject required of general students. Those students desiring a somewhat complete course in chemistry should elect Chemistry 1, 2 and 3. Room 14. Assistant Professor Peet. Winter quarter. First hour daily and laboratory practice.

6. CHEMISTRY 1.

A study of the non-metals, hydrogen, oxygen, nitrogen, chlorine and their principal compounds; the gas laws and laws of chemical action; atomic theory, and the chemical equation. Lectures, with laboratory and text-book work. The laboratory hours are to be arranged with the instructor. Rooms 14 and 18. Fall quarter. Second hour and laboratory practice. Assistant Professor Peet and Mr. Carpenter.

7. CHEMISTRY 2.

A study of the element carbon, some of the simpler compounds of carbon, molecular formulas, valence, periodic law, chlorine group, sulphur, nitrogen group, carbon group, dissociation theory, with a few lessons in organic chemistry. It is a continuation of Chemistry 1, and completes the study of the non-metals. The additional laboratory hours are to be arranged with the instructor. Rooms 14 and 18. Winter quarter. Second hour. Assistant Professor Peet and Mr. Carpenter.

## COLLEGE COURSES

## 8. GENERAL ASTRONOMY.

This has reference to teachers who desire to prepare to teach nature-study in the grades. Three days a week, with abundant laboratory and observatory practice. The course is mainly a practical one, but incidentally a small text-book is mastered, and the history and literature of the subject entered upon. Fall and spring quarters. Professor Strong. Seventh hour. Rooms 1 and 25.

## 9. CHEMISTRY 3.

A study of the metals, largely a laboratory course, requiring two hours' work daily and instruction twice a week. After the student has determined in the laboratory the characteristic properties of a few of the metals, he devises a scheme for their separation, and uses this scheme in the analysis of "unknowns." This plan is continued until all the common metals are studied, their characteristic properties determined, and a complete table of analysis compiled. In connection with this work, instruction is given in the metallurgy of the common ores. Graduates of approved schools may elect this course. Rooms 14 and 18. Spring quarter, second hour. Assistant Professor Peet and Mr. Carpenter.

## 10. CHEMISTRY 4. QUALITATIVE ANALYSIS.

This a study of the analysis of the common metals. It begins with work on blowpipe analysis, a review of the table of the separation of the metals and a study of the characteristic properties of the acids. This is followed by the analysis of "unknowns." The modern theory of ionic dissociation is taught and used in connection with the reactions involved in the student's laboratory work. It is a laboratory course calling for two hours' work daily. Rooms 14 and 16. Fall quarter. Third hour and laboratory work. Assistant Professor Peet and Mr. Carpenter.

## 11. CHEMISTRY 5. QUANTITATIVE ANALYSIS.

This is a laboratory course requiring two hours' work daily. The class also meets twice a week for quiz and instruction. The work is both gravimetric and volumetric. The gravimetric portion including the determination, in simple compounds, of the common metals and acid anhydrides, and the volumetric work including the preparation

of standard solutions, the determination by alkalimetry of a few of the common acids and alkalies and the determination of the elements, iron, calcium and iodine by methods of oxidation and reduction. Students get practical work in making up solutions for the laboratory.

Winter quarter. Third hour and laboratory work. Assistant Professor Peet. Rooms 13, 14 and 16.

12. CHEMISTRY 6. QUANTITATIVE ANALYSIS.

This is a continuation of Chemistry 5. Some time is devoted to water and gas analysis. Spring term. Rooms as above. Third hour and laboratory work. Assistant Professor Peet.

13. CHEMISTRY 7. ORGANIC CHEMISTRY.

Follows Chemistry 1, 2 and 3. May be taken by students who have had a year of inorganic chemistry in a high school with full laboratory work. Embraces the study of the carbon compounds and of the more important and interesting products of plants and animals. Spring quarter, Room as above. Assistant Professor Peet. First hour.

14. CHEMISTRY 8. ELEMENTARY THEORETICAL AND PHYSICAL CHEMISTRY.

This course must be preceded by Chemistry 1, 2, 3 and 4. The fundamental laws and theories of chemistry are discussed and laboratory determinations made of molecular weights by standard methods. Fall quarter. First hour and laboratory work. Assistant Professor Peet. Rooms as above.

15. PHYSICS 4, OR ADVANCED PHYSICS 1.

Electricity and magnetism. An advanced course in which the history of electrical theory and electrical discovery are strongly emphasized. Follows Physics 1, 2 and 3, or an approved course in a high school. Also follows or is concurrent with trigonometry. Fall quarter. Second hour. Four times a week. Assistant Professor Gorton. Rooms 1 and 3.

16. PHYSICS 5, OR ADVANCED PHYSICS 2.

A demonstrative and mathematical course in advanced mechanics. Follows Physics 1, 2 and 3, or an equivalent high school course, and a good course in trigonometry. Calculus also useful. Winter quarter. Professor Strong. Fourth hour. Rooms 1 and 3.



17. **PHYSICS 6, OR ADVANCED PHYSICS 3.**  
Sequence as in the preceding case. An advanced demonstrative course in acoustics and optics. Spring quarter. Professor Strong. Fourth hour. Rooms 1 and 2.
18. **ADVANCED ASTRONOMY, OR ASTRONOMY 2.**  
A course in mathematical and instrumental astronomy, mainly practical, in which an attempt is made to gain a somewhat expert use of the sextant, equatorial and astronomical transit. Requires Astronomy 1, or an equivalent high school course, and plane and spherical trigonometry. Winter or spring quarter. Twice a week with additional laboratory and observatory practice. Professor Strong. Rooms 24 and 26.
19. **METHOD IN PHYSICS.**  
A course designed to prepare students for teaching the physical sciences in the grades and in the smaller high schools. Has special reference to the fundamental science, physics, which will be reviewed and cast into form for best presentation. Much attention will be given to simplified and improved forms of apparatus and to laboratory work in general. Follows Psychology and Physics 1, 2, and 3. Every quarter. Professor Strong. Room 1. Second hour.
20. **PHYSICAL LABORATORY PRACTICE.**  
A practical teachers' course in the laboratory method and laboratory appliances. It is also used as a review course in physics for those who need such a review and a laboratory course for those who have had a good text-book course but inadequate laboratory facilities. Follows Physics 1, 2, and 3. Daily. Every quarter. Assistant Professor Gorton. Room 11.
21. **ADVANCED LABORATORY PRACTICE.**  
Should be taken instead of the preceding by those who have had or are taking Advanced Physics. Mainly a practical course, with lectures upon the laboratory method. Spring or winter quarter, alternating with Advanced Astronomy. Daily. Professor Strong. Room 3.
22. **PHYSICAL TECHNIC OR LABORATORY ECONOMY.**  
A course in the installation of laboratories and laboratory equipment. Lectures and practical work in making, selecting, testing and repairing apparatus. Includes also brief courses in manifolding, glass working, blue printing, lan-

tering and the manufacture of apparatus. Follows, or may be taken along with, chemistry and advanced physics. Fall quarter. Daily. Professor Strong. Rooms 11 and 12.

23. ACOUSTICS.

A special course in the physical basis of sound, with special reference to those who are carrying forward studies in music, using Zahm's Sound and Music or some equivalent author. Preferably to follow Physics 1, 2 and 3, but may be taken by any persons of maturity. Winter quarter. Assistant Professor Gorton.

24. ADVANCED THEORETICAL OPTICS.

Drude's Theory of Optics, or an equivalent. Requires Courses 6, 7 and 8 above; also a knowledge of calculus. Winter quarter. Professor Strong.

25. ADVANCED PRACTICAL OPTICS.

This course may be taken instead of the preceding by those who are prepared for it. Mann's Advanced Optics will be used with Drude as a reference book. Professor Strong. Winter quarter.

26. ADVANCED ELECTRICAL MEASUREMENTS.

This course may be elected instead of Courses 23 and 24, if the student has completed Advanced Physics 1.

Students wishing to specialize in this department will arrange their work during the junior year with the head of the department. In case physics and chemistry have been completed in an approved high school course, the following subjects will be required: Method in Physics; Advanced Physics 2 and either 1 or 3; Chemistry 3 and 4; and seven subjects to be assigned by the head of the department. In case physics and chemistry have not been completed the patron will arrange the work of the candidate so as to include as much as possible of the above named work.

#### DEGREE COURSES

If the degree student is not a specialist in this department any courses from 8 to 24, inclusive, may be taken except Courses 18, 19 and 21. In some cases Courses 6 and 7 might be permitted, but not Course 5.

If the student is a specialist in this department he may elect the required mathematics and any of the following: 12, 13, 17, 22, 23, 24.

For the A.B. specialist his elections must be confined to 12, 13, 17, 23 and 24.

# Psychology and Education

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## PSYCHOLOGY

PROFESSOR DANIEL PUTNAM, EMERITUS PROFESSOR.

PROFESSOR SAMUEL B. LAIRD.

Assisted by

PROFESSOR CHARLES O. HOYT and PROFESSOR N. A. HARVEY.

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## COLLEGE COURSES

1. **PSYCHOLOGY 1. 12 WEEKS. (REQUIRED).**  
Elementary work. Texts: Titchener's Primer of Psychology, Angell's Psychology, Putnam's Text-Book of Psychology. Fall, spring and summer quarters, 9-10, 10-11, 11-12, 2-3, 3-4. Rooms 25, 26, 27. Dr. Putnam, Professor Laird, Professor Hoyt, Professor Harvey.
2. **PSYCHOLOGY 2. 12 WEEKS. (REQUIRED).**  
Complete text, besides taking the following subjects in child study: Hygiene of special senses, nervousness, fatigue, sensory and motor training and adolescence. Texts: Titchener's Primer of Psychology, Angell's Psychology, Putnam's Text-book of Psychology, Rowe's Physical Nature of Child. Fall and winter quarters, 9-10, 10-11, 11-12, 2-3, 3-4. Rooms 25, 26. Professor Laird, Professor Hoyt, Professor Harvey.

## DEGREE COURSES

4. **ADVANCED PSYCHOLOGY. 12 WEEKS. (REQUIRED).**  
The purpose of this course is to do intensive work in some subjects not fully treated in Courses 1 and 2. Prescribed reading and reports thereon will supplement the work of some good text.  
Fall quarter, 8-9. Room 25. Professor Laird.
5. **LOGIC. 12 WEEKS. (REQUIRED).**  
The principles of this subject as discussed in Creighton's

Introductory Logic will be the basis of our work. The principles of the science will be applied in a practical manner to examples taken from Argumentative discourse. Winter quarter, 8-9. Room 25. Professor Laird.

Candidates for the degree of B.Pd. must take Courses 4 and 5. Courses 1 and 2 will not be credited on work of third or fourth year.

### PEDAGOGY (General Method)

PROFESSOR NATHAN A. HARVEY.

Assisted by

PROFESSOR SAMUEL B. LAIRD,  
and PROFESSOR DIMON H. ROBERTS.

PEDAGOGY. 12 WEEKS. (REQUIRED).

Must be preceded by Psychology 1 and 2. Lectures, recitations, readings and reports upon the same. McMurray's General Method, Keith's Elementary Education, Bagley's Educative Process, Tompkins' Philosophy of Teaching. Students are expected to buy one of the above books. Constant reference is made to the Reports of the Commissioner of Education, Proceedings of the National Educational Association and volumes of educational periodicals.

Especial attention is given to the following subjects: The aims and meaning of education; educational values and the common school course; apperception and its application to school room instruction; interest and its educational value; the culture epoch theory and its relation to interest and concentration, and criticisms; promotion and grading. Fall quarter, 11-12, Professor Roberts; winter quarter, 11-12, Professor Roberts; spring quarter, 8-9, 9-10, 10-11, 11-12, 2-3, 3-4, Professor Harvey, Professor Laird, Professor Roberts.

### SCIENCE AND HISTORY OF EDUCATION.

PROFESSOR C. O. HOYT.

#### COLLEGE COURSES

##### 1. HISTORY OF EDUCATION 1. 12 WEEKS.

A study of pre-Christian education. Special emphasis will be given to Grecian and Roman education. Text: Cubberley's Syllabus, Part I. Fall quarter, 8-9. Room 26. Professor Hoyt.

2. HISTORY OF EDUCATION 2. 12 WEEKS.

The history of modern education from Comenius to the present. Text: Cubberley's Syllabus, Part II. Fall, winter and spring quarters, 8-9, 9-10, 10-11. Room 26. Professor Hoyt.

One course in History of Education is required for the Life Certificate. Either of the above courses may be selected. It must be preceded, however, by psychology and general method.

3. HISTORY OF EDUCATION 3. 12 WEEKS.

A study of the development and organization of the School System of the United States and of the history and problems of supervision. (1) The qualifications of the superintendent; (2) his relations and functions. Text: Chancellor, Our Schools, Administration and Supervision. Spring quarter, 10-11. Room 26. Professor Hoyt.

4. HISTORY OF EDUCATION 4. 12 WEEKS.

A critical study of educational classics. Work will be selected from The Great Didactic, The Emile, Leonard and Gertrude, Education of Man, Spencer on Education, Herbart's Lectures and others. Spring quarter, 11-12. Room 26. Professor Hoyt.

Courses 3 and 4 may be applied for the Life Certificate, but must be preceded by Course 1 or 2.

5. PHILOSOPHY OF EDUCATION. 12 WEEKS.

A consideration of some of the fundamental problems of education in their relation to civilization. Text: Horne's Philosophy of Education Spring quarter, 8-9. Room 26. Professor Hoyt.

6. INTRODUCTION TO PHILOSOPHY. 12 WEEKS.

A historical study of fundamental philosophical problems. Text: Paulsen's Introduction to Philosophy. Fall quarter, 3-4. Room 26. Professor Hoyt.

7. HISTORY OF PHILOSOPHY. 24 WEEKS.

An elective course for the fourth college year. Text: Falckenberg's History of Modern Philosophy. Winter and spring quarters, 3-4. Room 26. Professor Hoyt.

#### DEGREE COURSES

Courses 1 and 2 will not be credited on the work of the third or fourth college year.

Candidates for the degree of B.Pd. may elect Courses 3, 4, or 5.

Elections for the A.B. degree must be confined to Courses 6 and 7.

One course in this department is required for each of the degrees.

# Reading and Oratory

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PROFESSOR J. STUART LATHERS.  
MISS MARY M. MASTER.

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The work of the literary societies and debating clubs is done under the direction of the head of this department.

Students specializing in this department are required to take part of their work in the English department.

## PREPARATORY COURSE

### 1. READING AND ORTHOEPY.

A study of the correct use of diacritical marks and the intelligent use of the dictionary, with practice in oral reading.

Fall quarter, 11-12. Room 51. Miss Master.

## COLLEGE COURSES.

### 2. TEACHERS' READING.

The aim of this course is preparation for the teaching of reading. It consists of a study of the elements of vocal expression, and the steps essential to a systematic course of reading in the grades.

Fall, winter and spring quarters; three sections, 8-9, 9-10, 10-11; also fall quarter, 2-3. Room 51. Professor Lathers and Miss Master.

### 3. ELOCUTION 1.

Vocal exercises; study of sources of power in speaking and the vocal elements, quality, force, time, and pitch; preparation and delivering of class selections.

Fall, winter and spring quarters, 1-2. Room 51. Miss Master.

### 4. ELOCUTION 2.

Study of vocal technique and expression through action. This course aims to make a careful literary analysis of

large measure the ability of the teacher to do successful work in the public schools of the state. As far as possible the aim is to make the school fulfill a double function in being both a model and a training school. An attempt is made to keep abreast of the times in all that pertains to the interests of the children who constitute the school. Special attention is given to planning and execution, the keeping of school records, and the general management of a grade room. All work is done under the immediate supervision of expert training teachers and under the general direction of the superintendent, who is the executive of the department.

The course of study is continuous through kindergarten, primary, intermediate and grammar grades, and the first two years of high school work, making it possible for Training School pupils to enter the regular four years' life certificate course (see page 46).

While the school was established primarily for the purpose of training teachers, yet the principle is maintained that the interests of the pupil are the most important consideration; and it is believed that whatever advances the well-being of the child best serves the purpose for which the school was created.

The pupils enrolled come from the city and surrounding country. Tuition is free to all, and the school is gradually working toward the free text-book system. At present nearly all supplies are furnished in the lower grades; and, in the higher grades, pupils are required to furnish only such books as represent the more formal work.

All applications for admission of new pupils should be made at the office of the superintendent. Those entering from other schools will facilitate matters by bringing with them letters of transfer, records, or promotion cards.

Children are admitted to the kindergarten between the ages of four and six years but may not be admitted to the first grade before the age of six. Promotion will take place regularly three times a year at the opening of each school term, thus making it possible to begin the work of a grade in September, January and April. By this plan the system of promotion is made more flexible, inasmuch as each grade contains three sections separated from one another in time by one-third of the school year.

#### STUDENT TEACHING

All work in observation and student teaching must be done



during the second year of the life certificate course, except in the case of those who are to take a limited certificate. Under the latter condition the Training School practice and observation may be made a part of the last full quarter's work.

Under the present arrangement of the college year the teaching quarters will be the fall, the winter, and the spring. *Carefully note the following:*

1. All students must have completed the courses in psychology, 1, 2, and general method before entering upon the work of this department.

2. At least three of the fundamental teachers' courses in the common branches must be successfully passed, *and all conditions and failures in academic or professional subjects vital to success must be removed before students are admitted for observation or teaching in the training school.*

3. Students are not permitted to take more than two subjects in college in addition to the regular training school work.

4. The number of students teachers doing work in the department during any one quarter will be limited approximately to one-third the membership of the senior class.

5. The amount of teaching and observation required will be two hours per day, during one quarter. Each of the hours in the training school counts the same as an academic subject and is entitled to as much time for outside preparation.

6. All assignments for work in the training department and changes in the same are made by the superintendent.

7. By special arrangement with the superintendent and the head of any college department students may elect one-half of their teaching in the preparatory department.

8. All students classifying for work in the training school must reserve the hour from 3 to 4 for criticism.

9. The work in the training school consists of teaching, observation, making subject and lesson plans, assisting the critic teachers in various ways, making written reports, attending critic and general meetings, and becoming familiar with the course of study and workings of the school.

#### HOURS FOR TEACHING

The hours in the training school are from 8:30 to 11 for the kindergarten, first and second grades; from 8:30 to 11:30 for the other grades; and from 8:00 to 11:00 for the High school. In the

All candidates for this course must have completed the work for the life certificate, and must have furnished satisfactory evidence of their general teaching ability.

The Superintendent of the Training School acts as patron for students pursuing this line of work. All applications for admission to this course shall be submitted to the College Council and selections will be based upon:

1. Scholarship.
2. Personality.
3. Success in teaching children.
4. Ability to work with adults.

THE COURSE ITSELF CONSISTS OF:

1. Seventy-two weeks of electives from third or fourth year college subjects.

2. An equivalent of seventy-two weeks of work in the Training School as assistants to the regular critic teachers in making courses of study, doing model teaching, doing special and general critic work, and in a study of the principles and methods of constructive criticism.

The degree of B.Pd. will be granted upon the satisfactory completion of this course of study.

#### Special Kindergarten-Primary Course

The specializing Kindergarten-Primary Course consists of:

1. Group of Required Subjects. (See p. 47)...144 Weeks
2. Electives under direction of the patron...144 "

NOTE.—The Superintendent of the Training School is the patron of this department. The electives determined by the patron include:

- Kindergarten Instruction 1, 2, 3.
- Kindergarten-Primary Music.
- Primary Nature Study.
- Animal Studies.
- Elementary Drawing 1, 2.
- Blackboard Sketching.
- Teachers' History.
- Teaching 3.
- Principles of Criticism 1.

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**Kindergarten Courses**

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MISS HESTER P. STOWE.

The courses in kindergarten instruction, open only to specializing students, are as follows:

**1. KINDERGARTEN 1. 12 WEEKS.**

Should be preceded by Psychology 1. Kindergarten gifts 1, 2, 3. Hand work—clay modeling, sewing, slat interlacing, weaving, folding; study of Froebel's Mother Play Book; songs and games.

Fall and winter quarters, 1-2. Kindergarten room.

**2. KINDERGARTEN 2. 12 WEEKS..**

Must be preceded by Kindergarten 1. Kindergarten gifts 4, 5, 6; hand work—geometrical folding, free hand cutting, school of cutting, intertwining; continue study of Froebel's Mother Play Book; songs and games.

Winter and spring quarters, 2-3. Kindergarten room.

**3. KINDERGARTEN 3. 12 WEEKS.**

Must be preceded by Kindergarten 1, 2. Kindergarten gifts 7, 8, 9, 10; hand work—color work, cardboard modeling, baskets and braided work with florist's fiber, willow basket weaving; continue study of Froebel's Mother Play Book; songs, games and stories.

Fall and spring quarters, 2-3 and 1-2. Kindergarten room.

**Reference books used:**

Education of Man.—Froebel.

Pedagogics of Kindergarten—Froebel.

Symbolic Education—Blow.

Froebel's Education Laws.—Hughes.

Psychology of Froebel's play Gifts.—Snider.

**Special Manual Training Course.**

MISS ALICE I. BOARDMAN.

In addition to the regular manual training in the grades of the Training School a course of study has been arranged for Normal students who wish to specialize in this line. This course aims to train teachers for general supervision of manual training. In addition to the group of required subjects (see page 47) the work is largely a laboratory course and requires ten hours a week

during the Two Years' College Life Certificate Course. The course includes bench work; mechanical drawing; designing in Indian basketry and Venetian bent iron; raffia work; weaving; cardboard construction, based on mechanical drawing; clay modeling for primary grades, and lectures on subjects allied to manual training.

Students are required to make original models to be left with the department; to make estimates of lumber and other materials for class work, and also to make various estimates for the equipment of a class room under the existing conditions of schools as they will be found in different towns and cities of the state.

An outline of the specializing course in this department is given below in order that prospective students may gain an idea of the work required.

In addition to the specializing course, another one will be offered each quarter, in which no credit will be given, for the purpose of giving non-specializing students an opportunity to familiarize themselves with the hand work for the primary grades.

#### COURSE OF STUDY IN MANUAL TRAINING FOR SPECIALIZING STUDENTS

1. Group of Required Subjects (see p. 47).....	144	Weeks
2. Elementary Drawing 1, 2.....	24	"
3. Mechanical Drawing.....	12	"
4. Advanced Drawing 1.....	12	"
5. Blackboard Sketching.....	12	"
6. Bench Work.....	36	"
7. Basketry, bent iron work, raffia.....	12	"
8. Card-board construction, weaving, clay modeling.....	12	"
9. Electives.....	24	"

#### Domestic Science and Art Course

MISS GRACE FULLER.

Recognizing the fact that domestic science and art are becoming important factors in the educational system of our state, the Normal College offers a specializing course for the training of teachers in these lines of work. The requirements for admission are the same as those for other college courses leading to the life certificate. For students who have pursued elementary chemistry and physics in accepted high schools other elec-

tives of equal culture value may be chosen. In addition to the group of Required Subjects (see p. 47) the work will include much practical work in bacteriology, cookery, dietetics, serving, marketing, household economics and art—including drawing, designing, hand sewing, drafting, machine sewing; and hand work for the primary grades. The hand work will include weaving, basketry, and designing similar to that which is done in the last year of the specializing course in manual training (see p. 127).

The practical work in cookery will aim to demonstrate its leading principles, and their modification in the preparation of food for infants, invalids, and adults under widely different conditions.

Under dietetics will be studied the composition of the body; its waste and repair; need of food; kinds and proportions required; composition of various food materials; use of each in the body and their digestibility; best methods of cooking in order to secure greatest nutritive value at the least cost; ways of meeting individual needs; calculation of dietaries for persons of different ages and engaged in different occupations.

Serving includes the study of the principles and practices underlying wholesomeness and attractiveness; the giving of luncheons and dinners.

Marketing involves the economical purchase and preservation of food.

Household economics gives attention to the care of the house and its furnishing; sanitation, the scientific principles involved and practices conducive to maintaining healthful conditions.

An outline of the courses in education, chemistry, drawing and bacteriology will be found in the announcement of courses in their respective departments.

On account of the multiplicity of classes, the course in Domestic Science and Art may begin only with the Fall quarter.

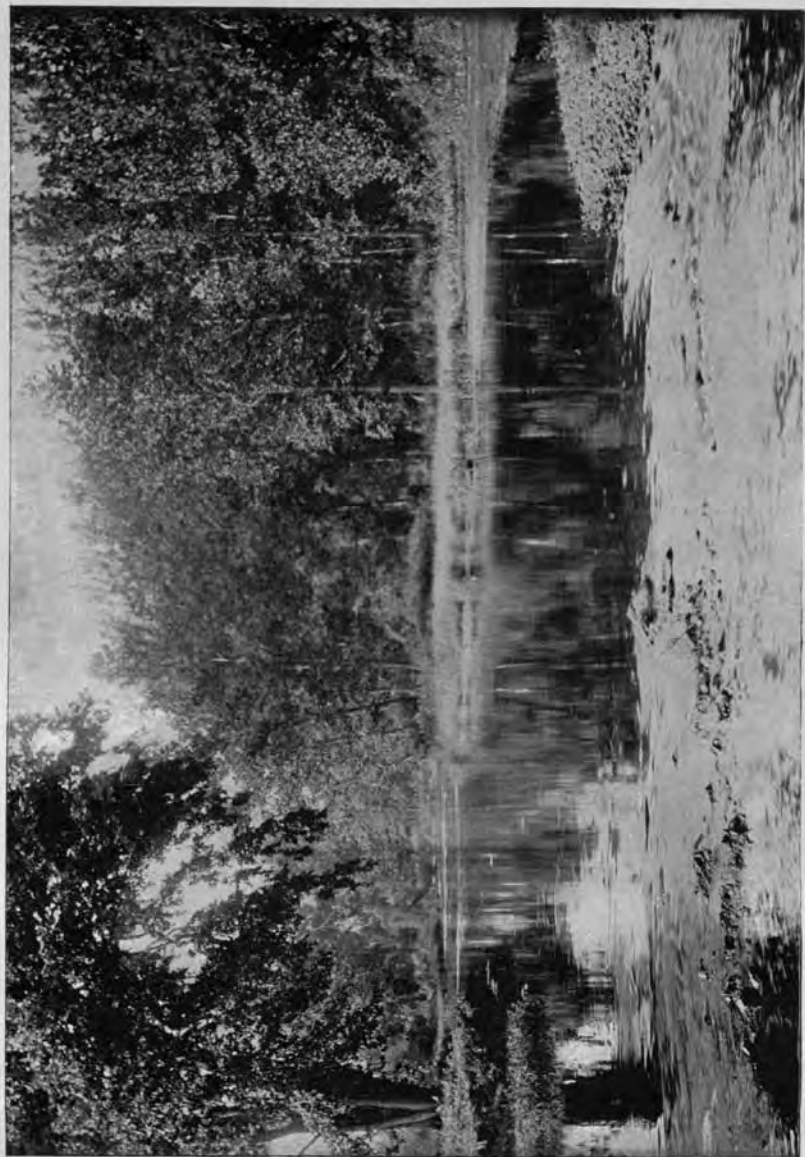
#### COURSES OF STUDY

- |  |     |       |
|--|-----|-------|
| 1. Group of Required Subjects (see p. 47)..... | 144 | Weeks |
| 2. Elementary and Organic Chemistry.....       | 36  | "     |
| 3. Elementary Drawing and Design.....          | 24  | "     |
| 4. Bacteriology .....                          | 12  | "     |

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5. Cookery .....	36	“
6 Household Economics, marketing and serving, laundry work, sanitation and home nursing .....	12	“
7. Sewing, basketry, weaving and elementary hand work .....	24	“

Huron  
River  
Scene



# Summer School, 1906

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## FACULTY OF THE SUMMER SCHOOL

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L. H. JONES, A.M., PRESIDENT.

- FREDERIC H. PEASE,  
Director Conservatory of Music.
- JULIA ANNE KING, A.M., M. PD.,  
Professor of History and Civics.
- EDWIN A. STRONG, A.M.,  
Professor of Physical Sciences.
- FLORUS A. BARBOUR, A.M.,  
Professor of English.
- BENJAMIN L. D'OOGE, A.M., PH. D.,  
Professor of Latin and Greek.
- WILLIAM H. SHERZER, PH. D.,  
Professor of Natural Sciences.
- CHARLES O. HOYT, PH. D.,  
Professor of History of Education.
- DIMON H. ROBERTS, A.M.,  
Superintendent of Training School.
- MARK S. W. JEFFERSON, A.M.,  
Professor of Geography.
- RICHARD CLYDE FORD, PH. D.,  
Professor of French and German.
- NATHAN A. HARVEY, PH. D.,  
Professor of Psychology and Institute Conductor.
- JOHN C. STONE, A.M.,  
Associate Professor of Mathematics.
- FREDERICK R. GORTON, PH. D.,  
Assistant Professor of Physics.
- ABIGAIL PEARCE, PH. B., B. PD.,  
Instructor in English.



- ADA A. NORTON, Ph. M.,  
Instructor in Mathematics.
- FLORENCE SHULTES, B. Pd.,  
Instructor in History.
- FANNIE CHEEVER BURTON, M. Pd.,  
Director of Women's Gymnasium.
- ESTELLE DOWNING, A.B.,  
Instructor in English.
- BERTHA G. BUELL, B.L.,  
Instructor in History.
- MINOR WHITE,  
Instructor in Music.
- MARY A. GODDARD, B.S.,  
Instructor in Natural Science.
- BERTHA GOODISON,  
Instructor in Drawing.
- S. D. MAGERS, M.S.,  
Instructor in Natural Science.
- ANNIE H. OLMSTED,  
Instructor in Drawing.
- MARY M. STEAGALL, Ph. B., Ed. B.,  
Instructor in English and Science.
- IDA B. P. FLEISCHER, Ph. D.,  
Instructor in Modern Languages.
- MARY J. LOMBARD, B.L.,  
Instructor in Modern Languages.
- MARY M. MASTER,  
Instructor in Reading and Oratory.
- ORLAND O. NORRIS,  
Instructor in Latin and Greek.
- MATTIE ALEXANDER MARTIN, A.B.  
Instructor in Psychology.
- H. C. LOTT,  
Instructor in Psychology.
- W. A. MORSE,  
Instructor in Mathematics.
- LOTA H. GARNER,  
Assistant in Drawing.
- CAROLINE L. TOWNER,  
Assistant in Music.

- FRANK JENSEN,  
Assistant in Mathematics.
- C. P. STEIMLE,  
Assistant in Mathematics.
- DARREL H. DAVIS, A.B.,  
Assistant in Geography.
- H. ETHEL, CHILDS,  
Assistant in Drawing.
- IRENE O. CLARK,  
Assistant in Physical Training.
- L. ELTA LOOMIS,  
Assistant in Physical Training.

### TRAINING SCHOOL

DIMON H. ROBERTS, A.M., SUPERINTENDENT.

- MARGARET E. WISE,  
First Grade.
- ABIGAIL ROE,  
Fifth and Sixth Grades.
- ALICE I. BOARDMAN,  
Manual Training.
- EDNA T. COOK, B.S.,  
Seventh and Eighth Grades.
- ELISABETH B. MCLELLAN,  
Third and Fourth Grades.
- LYDIA L. HERRICK,  
Kindergarten.
- GRACE FULLER,  
Domestic Science and Art.
- HELENE KNEIP,  
Assistant—Kindergarten.

## SUMMER SCHOOL OF THE MICHIGAN STATE NORMAL COLLEGE

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The Faculty of the Michigan State Normal College will offer work in all its departments, during the six-weeks' Summer Session of 1906. The Library and Laboratories will be open, and all other facilities of the institution will be placed at the disposal of the students.

The Conservatory of Music will be open in all its departments. Tuition will be free to Summer School students in all classes pertaining to public school music.

Summer School will begin June 25, and close August 3. Monday, June 25, will be Classification Day. Classes will begin recitations Tuesday, June 26.

It is especially desirable that students begin work on that day.

The courses offered will be, *regular, special and general*, as follows:—

### REGULAR COURSES

Students pursuing regular work, and desiring credit, will be able to complete two subjects of twelve weeks each, in either general or specializing courses of the College, by taking two recitations per day in each subject. They will enjoy the additional advantage of attending the lectures on general educational topics, which will be given at frequent intervals during the session by men of national reputation, and which will be free to all students, both regular and special. The lectures will occur at an hour in which they will not conflict with regular classes.

## SPECIAL COURSES

Special Courses in School Supervision and General Method, will be offered by members of the faculty and by others engaged for the purpose. These courses will be of such a nature as to make them of especial value to teachers who have had experience in teaching or supervision, and who wish to broaden and deepen their knowledge in the light of that experience.

*Special courses of six weeks will be offered also for village and rural school teachers, and for those wishing to prepare for examinations before County Boards or the State Board of Education.*

*Additional sections will be formed in these classes if necessary.*

Courses of six weeks will also be given in methods in various departments.

An observation school will be conducted by the faculty of the training school, including the kindergarten and first seven grades. Special attention will be given to manual training in these grades.

Classes in Domestic Science and Art will be given during the entire term.

The new science building will be used by the science department. Well-equipped physical, chemical, zoölogical, geological, and botanical laboratories will be open to students, without extra expense. The geographical department will offer excursions to points of interest in connection with this important branch of school work.

The Conservatory of Music will be open during the entire six weeks of the Summer Session. Courses in public school music and methods of teaching, and in voice culture, sight singing and harmony, will be given free to members of the Summer School.

The department of drawing will give special attention to work suitable to those wishing to become supervisors of this branch, as well as to those who wish general class work in drawing. The entire art collection of the department will be at the service of the classes.

A well-equipped gymnasium for men, and one for women, will be open with regular work suited to the needs of students of the Summer School. Methods in adapting gymnastic exercises to public schools will receive careful attention.

#### GENERAL COURSES

The general lecture courses which have proved so popular and helpful in the last few years will be given again this year. *These are all free.* They will consist of lectures on educational themes of interest to teachers who seek inspiration, improvement, and advancement in their profession, and will be given for the general benefit of the whole body of students.

Professor John Dewey, head of the Department of Philosophy and Psychology of Columbia University, New York City, will give a course of six lectures, beginning Tuesday, June 26, and closing Saturday, June 30. Professor Dewey is well known in Michigan, through his brilliant work in Philosophy while he was head of that department in the University of Michigan. As head of the School of Education of the University of Chicago, he added greatly to his reputation, especially as a leader of educational thought and practice in elementary education. He is one of the few eminent scholars who have the faculty of saying profound things in such a manner as to be easily understood. He will appeal strongly to all classes of teachers. His coming to us will give principals and superintendents

an opportunity to hear the newest and most advanced views of educational principles and practices.

Professor George H. Palmer, head of the Department of Ethics, Harvard University, will be with us the week beginning July 2. Professor Palmer is one of the most conspicuous examples of one who has attained to true culture through scholarship. His writings have been widely read by cultivated people here and abroad. His lectures will set a high standard of excellence, and be full of inspiration for teachers. To meet him is to feel a higher respect for human culture.

Richard T. Wyche, who is probably the best teller of the great stories now on the platform, will lecture on the art of telling stories to children, and will illustrate his lectures by telling the great classic stories. He will also give exercises in story-telling with the children of the training school. This is a rare opportunity for teachers to hear this gifted scholar illustrate the most artistic mode of teaching literature. He comes to us for the week beginning July 9.

Col. C. H. French, the noted traveler and lecturer, who has in two preceding summer schools so interested us by his beautiful pictures and instructive talks, will be with us for three days during the week beginning July 23. He will give a course of six lectures (two each day) at four o'clock and eight o'clock p.m. Michigan teachers have had occasion before to appreciate the high artistic qualities which Colonel French insists upon in the pictures which he shows. The work which he will do for us in this next Summer School will not suffer by comparison with anything of like character given anywhere.

Professor Benj. L. D'Ooge, head of the Department of Ancient Languages in the Normal College, will give three

lectures on Greek art, illustrated by stereopticon. Professor D'Ooge, during his residence abroad, made himself especially familiar with the best examples of Greek art, and fitted himself admirably to give instruction in this interesting and important subject. He is familiar with the latest discoveries in the recent excavations made in the chief cities of Greece.

Professor F. A. Barbour, head of the Department of English, will give a short course of lectures on the structure of the Shakespearian drama, and perhaps a few on the general teaching of literature. Professor Barbour's careful and extensive preparation for the teaching of literature in all its phases, and his special effectiveness in platform work are well known to Michigan teachers. His lectures will prove highly instructive and inspiring.

Professor N. A. Harvey, head of the Department of Pedagogy, will give a series of illustrated lectures on elementary science, illustrating especially some phases of the pedagogy of science teaching. Professor Harvey's wide experience as teacher of Science, Psychology and Pedagogy in normal schools and in university extension work fits him peculiarly well to make this subject of great helpfulness to teachers of all grades.

Professors Strong, Hoyt, Ford and Sherzer, will give special courses of lectures to students in their respective departments.

#### RECAPITULATION:—

Week beginning June 25—Professor John Dewey.  
 “ “ July 2—Professor Geo. H. Palmer.  
 “ “ “ 9—Professor Richard T. Wyche.  
 “ “ “ 16—Professor Benj. L. D'Ooge and  
 Professor F. A. Barbour.

Week beginning July 23—Colonel C. H. French.

“ “ “ 30—Professor N. A. Harvey.

This is, without doubt, the strongest and most brilliant course of lectures ever planned for a Summer School in the West.

### **The President's Round Table**

President L. H. Jones will conduct a Round Table, at which practical educational questions and problems will be discussed. This cannot fail to be of personal interest and value to every progressive teacher.

### **Fees**

The regular fee for the six weeks is \$3.00. This fee covers all the work of the departments and all lectures.

Those taking the course for village and rural schools only, will not be charged any fee.

All lectures are free to all members of the Summer School.

Good table board can be had at \$2 to \$2.50 per week. Rooms cost from 75c to \$1 per week. Rooms for light housekeeping can be had at slight expense.

### **Location**

The Michigan State Normal College is located at Ypsilanti. Ypsilanti is a beautiful and healthful city, having a population of about 8,000. The College buildings are on high ground, overlooking the city, giving almost ideal conditions for a Summer School. The city is on the main line of the Michigan Central Railroad, over which it is readily accessible from all points on the various divisions of the



Michigan Central System. The Ypsilanti branch of the Lake Shore and Michigan Southern gives a means of approach from the south and west. The D. Y. A. A. & J. electric line passes through the College Campus, giving communication every half hour with Detroit, Ann Arbor, Jackson and intermediate points. The same electric line makes connection with the Ann Arbor Railroad at Ann Arbor, and with the Pere Marquette system at Wayne, and at Detroit and Jackson with the various roads entering those cities.

### **Purpose**

“The purpose of the Normal School shall be the instruction of persons in the art of teaching, and in all the various branches pertaining to the public schools of the State of Michigan.” This statement taken from the Act of 1889 revising and compiling the school laws, clearly indicates the guiding principle in all that relates to the work of the college. It is with this purpose in view that selection of teachers is made, that courses of study are arranged, libraries and laboratories equipped, and a training school of ten grades and kindergarten is conducted. The institution stands for three essentials in the preparation of the teacher: (1) a high grade of scholarship; (2) the study of education as a science; (3) practice in teaching under expert supervision and criticism.

### **Buildings and Equipment**

The College occupies six buildings upon a campus of thirty acres. Separate buildings are devoted to Physical training, the Training School, the Students' Christian Association, Science, and the Conservatory of Music. The

main building, besides lecture rooms, contains the assembly hall, with chairs for a thousand persons, the general and most of the department libraries, the astronomical observatory, the museum, and the general offices.

The Gymnasium has a full and modern equipment of apparatus, including wall and floor pieces, baths and running track, metric machines, and provisions for directed games and indoor recreation.

The Conservatory of Music, in addition to the regular prescribed and elective work of the College courses, given without extra cost (see pp. 27-8), offers private lessons in voice culture, piano, pipe organ, and other instruments, for which the usual fees are charged. The opportunities for a varied, expert and professional training in musical theory and execution, are not surpassed in the Northwest.

The several laboratories are furnished with tables and apparatus for individual instruction in chemistry, physics, botany, zoölogy, geology, astronomy, and physiology.

The Library occupies three large rooms, one of which is set apart for reference works and the use of readers. It has 29,000 volumes, and is easily accessible to students.

### **The Faculty**

Instruction for the summer term will be given by the regular members of the faculty, including heads of departments, together with assistant professors and instructors, with additional assistants wherever needed. The work for the summer school is under the control of the State Board of Education, as is that of any other part of the year.

### **Credits**

As the courses of instruction offered during the summer school are given by the regular members of the College

faculty, credits in them may be earned in the same way as at any other time of the year.

By action of the council not more than twenty-four weeks' credit may be earned during the summer school of six weeks. A large number of courses giving six weeks of credit will be offered. Such subjects as are required for graduation will be given as twelve weeks' courses, and classes will meet for recitation twice each day during the session.

Students not working for credits upon a college course, will have their classification arranged to suit their individual needs, and may enter without examination.

### Conditions of Entrance

Those who are working for credits will be held to the same conditions for entrance as apply to other quarters of the year. The following quotation from the records of the State Board of Education explains itself:—

“The Michigan State Normal College recognizes that there is a public school *system* in Michigan. It proposes, therefore, to give due credit for all work done in the public high schools of the commonwealth that are organized in accordance with the prevailing standard for such work in the state. This recognition constitutes an important change of policy of a higher state institution toward the public high school. The following extracts from a resolution passed by the State Board of Education, at the request of the President and heads of departments of the college, quite fully express this change of policy:

1. That all pupils regularly graduated from twelve-year public-school systems having not less than thirty-six weeks per year, in which four full years are devoted to

high school work, with not less than two thoroughly equipped teachers wholly employed in distinctively high school work, be admitted to the regular two-years' life certificate college courses without examination.

2. That all pupils who have finished not less than two years of high school work in a twelve-year course, as above outlined, be admitted on their record to the four-years' life certificate course in the Normal College, receiving credit on this course for all work which they may have already done beyond the first two years of the high school course. Students are urgently advised, however, to complete the high school course at home, as no time can be gained on the Normal College life certificate course by taking any high school work at the college.

3. That the pupils unable to maintain a satisfactory standing during the first term in the Normal College, may, at the discretion of the faculty in each case, be dropped from the roll of the school, or required to repeat the work not satisfactorily repeated on the first trial; and that all such cases be reported back to the high schools from which they came, with the facts in each case, to the end that the superintendents and principals of high schools throughout the state may learn what our standard of requirement is, and take measures to prevent pupils from coming to us without due preparation; and that should successive cases of defective preparation be found to come from certain schools, the privilege of admission without examination, may, at the discretion of the faculty, be withdrawn from graduates of such schools."

Persons who do not desire credit on the books of the college for work done, will be admitted without examination to such courses as their previous training warrants.

Graduates of colleges of high rank, and persons that have taught under a life certificate granted by the State Board of Education, or a first grade teacher's license that has been endorsed by the State Superintendent of Public Instruction, are also exempt from entrance examinations.

Graduates of accepted high schools should bring their high school credits with them. Blanks will be furnished on application. These should be filled out and signed by the principal of the high school, or by the superintendent, and presented together with the diploma on entering. No other credentials are necessary.

SCHEDULE OF CLASSES  
and  
DETAILS OF DEPARTMENTS  
for  
SUMMER SCHOOL

## Schedule of Classes—Summer School—1906

7-8	8-9
Animal Studies (8-9) Algebra, Elementary Arithmetic, Teachers' (8-9) Botany, Field (8-9) General Method (8-9) Geography, Teachers' (8-9) German, advanced (3-4) *Grammar (Preparatory) Greek 1 (2-3) Harmony 1 (8-9) History, Modern (8-9) *History, U. S. Principles of Criticism 1 (8-9) Preparatory Physiology Psychology 1 (8-9) Psychology 2 (8-9) Science of Education	*Algebra, Elementary Animal Studies (7-8) Arithmetic, Teachers' (7-8) Blackboard Sketching (9-10) Botany, Field (7-8) Cæsar (11-12) Chemistry 4 (9-10) Domestic Art Drawing, Elementary 1 (9-10) Drawing, Elementary 2 (9-10) General Method (7-8) Geography, Teachers' (7-8) German Conversation and Composition (1-2) *Grammar, Preparatory Harmony 1 (7-8) History of Education (a) (3-4) History, Modern (7-8) Latin 1 (11-12) Manual Training Minerals and Rocks Music, Elements 1 (9-10) Music, Teachers' (9-10) Physical Training 1 (w) *Physics, Principles of (9-10) Principles of Criticism 1 (7-8) Psychology 1 (7-8) Psychology 2 (7-8) Shakespeare
9-10	10-11
*Algebra, Elementary *Arithmetic, Review Blackboard Sketching (8-9) *Botany, Elementary Chemistry 4 (8-9) Drawing, Elementary 1 (8-9) Drawing, Elementary 2 (8-9) French 1 (2-3) Geometry, Method in Geometry, Plane, (3-4) German, 1 (2-3) Grammar, Teachers' (10-11) Latin Writing Literature, Adv. English 2 Music, Elements of 1 (8-9) Music, Teachers' (8-9) Nature Study, Primary Physical Training 5 (w) *Physics, Principles of (8-9) Physiology, Teachers' (3-4) Public School Gymnastics School Administration Trigonometry (3-4)	Algebra, Higher (2-3) *Arithmetic, Review Arithmetic, Teachers' (11-12) Blackboard Sketching (1st half) Botany, Physiological (11-12) Chemistry 1 (11-12) Domestic Science (11-12) Drawing, Advanced (11-12) Drawing, Elementary 1 (11-12) Elocution 1 (3-4) French, Advanced (3-4) Geography of American History Geology, Physiographic Grammar, Teachers' (9-10) History, Advanced American (11-12) *History, General History, Teachers' (11-12) Kindergarten—Primary Music (11-12) Physical Education, Teachers' (11-12) Physical Laboratory Practice 11-12 Psychology 1 (11-12) Rhetoric, Advanced *Rural School Gymnastics Teachers' Course in Cæsar, Cicero and Vergil Voice Culture (11-12)

\* For Rural Schools.

An hour number following a subject indicates that this class meets also at the second hour named.

## Schedule of Classes—Summer School—1906

11-12	1-2
Arithmetic, Teachers' (10-11) Blackboard Sketching (2d half) Botany, Physiological (10-11) Cæsar (8-9) Chemistry 1 (10-11) Domestic Science (10-11) Drawing, Advanced (10-11) Drawing, Elementary 1 (10-11) *Geography, General Harmony 2 History, Advanced American (10-11) History, Teachers' (10-11) History, General Kindergarten Primary Music (10-11) Latin 1 (8-9) Manual Training Physical Education, Teachers' (10-11) Physical Laboratory Practice (10-11) Psychology 1 (10-11) Public School Gymnastics Shakesperean Reading (2-3) Voice Culture (10-11)	*Algebra, Elementary Drawing, Elementary 1 (1st half) Drawing, Teachers' (2-3) German Conversation and Composition (8-9) Psychology 1 (2-3) Elementary Botany
2-3	3-4
*Algebra, Elementary Algebra, Higher 10-11 *Arithmetic Review Astronomy, General Drawing, Elementary 1 (2d half) Drawing, Teachers' (1-2) French 1 (9-10) Geography, Field (3-4) German, 1 (9-10) Grammar, Teachers' (3-4) Greek 1 (7-8) History, Industrial (3-4) *History, United States Music, Elements of 2 (3-4) *Physiology, Review Psychology 1 (1-2) Psychology 1 (3-4) Public School Gymnastics *Rural School Gymnastics Shakesperean Reading (11-12)	*Arithmetic, Review *Civil Government Elocution 1 (10-11) French, Advanced (10-11) Geography, Field (2-3) Geometry, Plane (9-10) German Advanced (7-8) General Lectures in Normal Hall (4-5) Grammar, Teachers' (2-3) *Grammar, Preparatory History of Education (b) (8-9) History, Industrial (2-3) Music, Elements of 2 (2-3) Physiology, Teachers' (9-10) Psychology 1 (2-3) Public School Gymnastics Trigonometry 9-10

\* For Rural Schools.

An hour number following a subject indicates that this class meets also at the second hour named.



## Summer School of 1906

### DETAILS OF DEPARTMENTS

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#### ANCIENT LANGUAGES

##### COURSES IN LATIN:—

1. *Beginners' Latin*—Two recitations daily, except Mondays. The work done will be equivalent to that of the first quarter in the regular course. This work will be of such character as to enable one pursuing it to continue the study of Latin to advantage without a teacher, if need be. Credit, 12 weeks. Hours, 8-9, 11-12 a.m. Room 34. Professor D'Ooge.

2. *Cæsar*. Two recitations daily, except Tuesdays. A full term's work in Cæsar will be covered, and such training in the art of translating will be given as will enable a pupil to continue the work without a teacher, if need be. Credit 12 weeks. Hours 8-9, 11-12 a.m. Room 35. Mr. Norris.

3. *Latin Writing*. This course is planned especially to meet the needs of teachers who feel themselves weak in Latin composition. Practical problems in Latin Syntax will be discussed, and especial attention will be given to the cultivation of a good Latin style. Credit 6 weeks. Hour 9-10 a.m. Four days weekly. Room 34. Professor D'Ooge.

4. *Teachers' Course in Cæsar, Cicero, and Vergil*—This course is designed to meet the practical problems of the school room. Methods of presentation, books of reference, text-books and all other matters relating to the conduct of the work will be considered. Credit 6 weeks. Hour 10-11 a.m. Four days weekly. Room 34. Professor D'Ooge.

## COURSE IN GREEK:—

*Beginners' Greek*—Two recitations daily, except Fridays. The work done will be equivalent to that of the first quarter in the regular course. Credit 12 weeks. Hours 7-8 a.m., 2-3 p.m. Room 35. Mr. Norris.

These courses are tentative selections merely, hence are subject to alteration or withdrawal. An effort will be made to adapt the work given to the desires and requirements of the students who present themselves.

Students in the Summer School will have free access to the department library of several hundred volumes, consisting of the best authorities on the language and literature of Greece and Rome. This will afford abundant opportunity to such as wish to pursue private studies and investigations.

## DRAWING

1. *Elementary Drawing I.*—

8-10	Miss Childs.	Room 10.	12 weeks' credit.
10-12	Miss Garner.	Room 50.	12 weeks' credit.
1-2	Miss Childs.	Room 50.	First Half. 6 weeks' credit.
2-3	Miss Childs.	Room 50.	Second Half. 6 weeks' credit.

This course takes up the study of the following type forms: The sphere, cube, cylinder, square prism, and square pyramid, and also of objects similar in character. These are studied in various positions and drawn in outline and in light and shade.

Some simple, original designs are made in black and white, and a short time is given to the study of Egyptian ornament.

2. *Elementary Drawing II.*—8-10. Room 50. Miss Olmsted. 12 weeks' credit.

The work in this course is the study of groups in light and shade and water color. Linear perspective, as applied to simple interiors and exteriors, is studied. Drawings of plant forms are also made and used for composition work in line and in light and dark.

Opportunity is given for original design in simple applications; borders, book covers, etc. A brief study of Greek architecture and ornament is also given.

Course 1 must precede Course 2.

3. *Blackboard Sketching.* Room 24.

8-10	Miss Garner.		12 weeks' credit.
10-11	Miss Goodison.	First Half.	6 weeks' credit.
11-12	Miss Goodison.	Second Half.	6 weeks' credit.

Elementary drawing 1 and 2, or their full equivalent must precede. In this course practice is given in making sketches suitable to use in connection with the different holidays and seasons, and with the teaching of reading, geography, and nature study.

4. *Teachers' Drawing.* Room 9.

1-3. Miss Goodison. 12 weeks' credit.

Elementary drawing 1 and 2 must precede.

This course takes up the study of methods of teaching drawing in the eight grades. Some time is spent in studying the principles of design to be taught, and in illustrating these principles by means of problems worked out in black and white and in color.

5. *Advanced Drawing.* Room 14.

10-12 Miss Olmsted. 12 weeks' credit.

*Advanced Drawing I.*

Elementary drawing 1 and 2, or their full equivalent, must precede.

Studies are made from plant forms with pencil, pen and ink and water color. The course embraces the study of historical ornament, as well as exercises in original designs for wall paper, book covers, and other subjects covering the main problems in decorative design.

*Advanced Drawing 2.*

Elementary drawing 1 and 2, or their full equivalent, must precede.

The work in this course is in charcoal, from still-life and casts. Landscape composition is studied, with some out-of-door sketching.

Either Course I or II will be offered.

**ENGLISH**

## COURSES

1. *Preparatory Grammar*—A topical review of the most important constructions in English Analysis, together with a review of

**Etymology.** The course should be especially useful for students desiring to get a third-grade certificate by county examination. As many sections will be made as may be required, to accommodate all pupils wishing to take this course. One class will meet at 7:00; one at 8; and another at 3 o'clock. Each class will be divided into sections, if necessary.

2. *Principles of Criticism I.* Lectures upon Principles of Criticism preparatory to the study of poems selected from the American poets. It should be noted that the course is not a study of American Literature, but an attempt to apply the principles of criticism to certain selections from American poetry. It should prove suggestive and helpful to teachers of Literature in elementary schools or high schools.

Two hours daily. Room 41. 7-9 a.m. Miss Pearce.

3. *Teachers' Grammar.* (a) A rapid academic review of the subject in Whitney's Essentials of English Grammar; (b) Professional aspects of teaching the subject in Barbour's "Grammar Teaching; History and Method."

Section 1. Two hours daily; 9-11 a.m. Room 40. Professor Barbour.

Section 2. Two hours daily; 2-4 p.m. Room 42. Miss Downing.

4. *Advanced Rhetoric.* A six weeks' course of lectures giving a general review of rhetorical principles. Reference will be made to models in description, narration, exposition, and argument, and special attention will be given to material for composition work and to the best methods of teaching rhetoric. The course is especially designed for those who have some proficiency in writing, and who wish to prepare themselves for teaching composition in grades or in high schools.

One hour daily; 10-11 a.m., Room 43. Miss Downing.

5. *Advanced English Literature II.* A short course of lectures upon (1) the history of English fiction and the development of the modern novel; (2) upon the plot, its qualities and technical construction. Special study of different types will follow, particular attention being paid to plot, setting, and character sketching. Three novels will be given special consideration as illustrating the subject-matter of the lectures: *Ivanhoe*, *Silas Marner*, and *Vanity*

Fair. The aim is to make the course a suggestive one not only for high school teachers, but for any teachers of narrative prose.

One hour daily; 9-10 a. m. Room 42. Miss Pearce.

6. *Shakespeare*. A six weeks' course of lectures on the technical construction of the drama. Special attention is given to the development of the plot, and to the consistency of the characters with the plot. Rather full discussion of the dramatic intent and purpose of Shakespeare in three of his great tragedies (Hamlet, Macbeth, and King Lear), will be presented as illustrating the principles of construction given in preceding lectures. Teachers of literature in high schools will find the course stimulating and suggestive as a preparation for teaching Shakespeare.

One hour daily; 8-9 a.m. Room 40. Professor Barbour.

## GEOGRAPHY

1. *General Geography of the Continents*. Six weeks. Four hours' weekly. A course of lectures will take up the physical features that seem to exercise most evident control on the distribution of man, and the social and political reactions of men to the control, with especial reference to the geography of Michigan.

An examination will be offered to those who wish credit in this course. Room 21. 11 a.m. Professor Jefferson.

2. *Geography of American History*. The course will seek to show the part that geography has played in making our country what it is, that teachers may make the action of history more vivid by better realization of the scenes in which it has occurred. Brigham's *Geographic Influences in American History* will be used in part as a text, and the work illustrated by the college collection of maps and models. Students will be shown how to prepare wall maps and diagrams for class use. Those who wish credit may obtain it by examination. Room 21. 10 a.m. Professor Jefferson. 6 weeks.

3. *Teachers' Geography*. 12 weeks. Two recitations a day. This course is designed to prepare students for teaching geography in the public schools, as far as its subject matter is concerned. It deals with the nature and use of maps, and the study and teaching of weather and climate. 7-8, 8-9. Room 21. Mr. Davis.

4. *Field Geography*. Teachers' half-course, four times weekly. Saturdays a half day and three other days from 2 to 4 p.m. There are two aims in this work:—(1) to help teachers to recognize the geographic features of the landscape, and (2) to plan the use of these out-door forms in teaching with a text-book. Professor Jefferson.

## HISTORY

1. *United States History*. An elementary course adapted to the needs of those wishing to prepare for the county examination. The ground covered will depend entirely upon the proficiency of the class. Text-book, any good United States history. 2-3. Room 48. Credit in preparatory on examination. Miss Buell.

2. *Civil Government*. This course in government as well as that in U. S. History will be conducted in the interest of students preparing for a county examination. Text-book, James and Sandford. Credit in preparatory on examination. 3-4. Room 48. Miss Buell.

3. *General History*. The course is elementary, and seeks to meet the needs of those desiring review for county examination. One hour daily. 10-11 and 11-12. Room 36. Miss Shultes.

4. *Advanced American History*. This course is designed for advanced students, and presupposes a thorough elementary course. The work is arranged with special reference to teaching the subject. Text-book, MacLaughlin, or some work of like grade. Hours, 10-12. Credit 12 weeks college work. Room 48. Miss Buell.

5. *Modern History*. 1500-1800. Text-book, Schwill, with assigned library work. Hours, 7-9. Room 36. Credit 12 weeks. Miss Schultes.

6. *Teachers' History*. The preparation for this course must include the usual high school history and some knowledge of psychology. Lectures, research, and the handling of primary material. Two hours daily. 10-12. Credit 12 weeks. Room 49. Professor King.

7. *Industrial History*. The work follows a text-book, supplemented with research work. Two hours daily. 2-4. Credit 12 weeks. Room 49. Professor King.

## MATHEMATICS

1. *Arithmetic*.—A review for those who desire to prepare for teachers' examination. Six weeks. Four sections. 9-10, 10-11, 2-3, and 3-4. Associate Professor Stone and Mr. Morse.

2. *Elementary Algebra*.—A review of Algebra through quadratics for those who desire to prepare for teachers' examination. Six weeks. Four sections. 8-9, 9-10, 1-2, and 2-3. Mr. Jensen, Mr. Steimle and Mr. Morse.

3. *Plane Geometry*. Twelve weeks. 9-10 and 3-4. Mr. Steimle.

4. *Trigonometry and Logarithms*.—An elementary course in plane trigonometry and the use of logarithmic tables. Twelve weeks. 9-10, 3-4. Mr. Jensen.

5. *Teachers' Course in Arithmetic*.—This course will be carried on partly by lectures and partly by reviews and discussions of typical parts of the subject. It is assumed that those who enter know arithmetic, algebra, and geometry, and have some knowledge of psychology. Two sections. 7-9 and 10-12. Associate Professor Stone and Miss Norton.

6. *Higher Algebra*. A comprehensive review of elementary algebra, together with a study of the idea of a function, the remainder theorem, determinants, the graph and theory of equation. Twelve weeks. 10-11, 2-3. Miss Norton.

7. *Methods in Geometry*. This course is designed for teachers. The history of the introduction and development of the various parts of geometry will be considered. Special attention will be given to method of attack. Six weeks. 9-10. Associate Professor Stone.

## MODERN LANGUAGES

## GERMAN COURSES:—

1. *For Beginners*. Twice daily. Pronunciation, conversation, and reading based on careful drill in the grammar. One term's credit 9-10. 2-3 Room 22. Dr. Ida Fleischer.

2. *Conversation and Composition*. Twice daily. 8-9. 1-2. Room 22. Dr. Ida Fleischer.

3. *Advanced Review Course*. Twice daily. This class is for those who may wish to refresh their knowledge of the language,

and gain a new fund of information and enthusiasm. 7-8. 3-4. Room 50A. Professor Ford.

A special effort will be made to meet the wants of high school teachers of German. Questions concerning the methods and pedagogy of modern language teaching will be freely discussed in the advanced class, and all students will be given opportunity to inform themselves on subjects in which they feel the need of advice and assistance. They will also have free access to the department library of several hundred volumes, consisting of the best works on German history, language, and literature. This will enable them to pursue various courses of reading and to make for themselves bibliographies of the subjects in which they are especially interested.

FRENCH COURSES:—

1. *For Beginners.* Twice daily. Drill in pronunciation, grammar, conversation and reading. One term's credit 9-10. 2-3. Room 23. Miss Lombard.

2. *Advanced Course.* One or two hours a day, as occasion demands. 10-11, 3-4. Room 50A. Professor Ford.

The courses outlined in the department are not necessarily fixed, and may be changed if there is sufficient need for it.

### MUSIC

1. *Elements of Music.* This course is designed, primarily, for those who have never studied the rudiments of music. It is a beginners' class, but it will also afford an opportunity to those who have already taught music to review the subject and give them the benefit of observing the professional work done by the regular instructor. 8-10. Miss Towner.

2. *Elements of Music 2.* 2-4. Miss Brabb.

3. *Kindergarten and Primary Grade Music.* This course includes the foundation principles, upon which the best methods are based, for presenting the subject of elementary music in the Primary grades. A careful study is made of each phase of the work, from kindergarten through the third year, under such heads as: The use of the child's voice (how to cultivate and retain vocal purity), ear training, the development of the tonal and rhythmic sense, the treatment of monotonies and song interpretation. A sequence of selected children's songs, with suggestions for presen-



tation and artistic rendering, will be given. It is desired that the students have some knowledge of instrumental music as an aid in the development of rhythm. 10-12. Conservatory. Miss Towner.

4. *Teachers' Course in Public School Music.* A critical study is made in this course of the professional aspects of the subject, together with the best ways of presenting it in the eight grades. The series of lessons includes the detailed course, children's use of the voice, the art of teaching music reading, the discussion of various methods, and the proper conducting of classes. 8-10. Conservatory. Professor Pease.

5. *Voice Culture.* Principles of tone production developed, and attention given to each individual voice. Emphasis is placed upon the last point. This course is open to all students. Solo singing is introduced, and the rudiments of voice culture are developed. Special attention is given to the training and guidance of the child's voice in speaking and singing. 10-11. 11-12. Conservatory. Professor Pease.

6. *Harmony.* Students entering this class should have had elements of vocal music and should be able to play the piano or organ sufficiently for playing chords and hymn tunes. The work consists of a study of chords and intervals, their construction, analyzation, and mental effects. 7-9. Conservatory. Miss Brabb.

7. *Harmony 2.* 11-12. Professor Pease.

## NATURAL SCIENCES

### BOTANY, ZOÖLOGY, PHYSIOLOGY, GEOLOGY AND NATURE STUDY

1. *Elementary Botany.* The chief aim of this course is to fit the teacher to pass the county examination required for second and third grade certificates, but it also aims to give a good review in botany for those desiring such work. It will be largely a lecture course. Some microscopical work will be done and questions ordinarily covered in county examinations will be discussed. Many of the important activities of a plant will be explained by means of experiments, and much illustrative material from the school gardens and elsewhere will be used in the class room. One or two field excursions will be arranged for. No credit. Rooms F and H, Science building. 9-10 daily. Miss Goddard.

2. *Field Botany.* The work in this course will include much outdoor study. It will deal with such problems as cross pollination, seed distribution, the light relation of leaves, adaptation of plants to their environment, their struggle for existence, and their classification according to moisture. It will also aim to make the student familiar with as many as possible of our common trees and other plants. In addition to this there will be microscopical work done on the structure of typical roots, stems and leaves in order that the student may understand the work of plants. Numerous excursions will be made to various points in the vicinity. Each student should be provided with Bergen's Revised Elements and a simple lens. Ladies should have short skirts for tramping. Six weeks' credit. 7-9 a. m. daily. Rooms F and H, Science building. Miss Goddard.

3. *Physiological Botany.* This course deals with the life activities of the entire plant. Special emphasis will be laid upon the processes of respiration, starch formation and the part which the sun's energy plays in plant life. There will be treated by direct individual experiment such problems as digestion, irritability, growth, etc. Enough microscopic work will be done upon plant structure to render the experiments intelligible. This laboratory work will be supplemented with outdoor observations and lectures. Six weeks' credit. Rooms F. and H, Science building. 10-12 daily. Miss Goddard.

4. *Animal Studies.* Is an abridgement of the regular twelve weeks' course of the same name. It attempts to deal in a practical way with the material of nature study used in the grades, primarily for those preparing to teach in the primary grades. The mode of life, general physiology and economic value of our common birds, insects, mammals, brook forms and domestic animals are studied first hand in the laboratory and field; and the methods of presenting this material to children are discussed. One excursion of two or three hours' length may be expected each week. No previous preparation is required.

Since as much time as possible will be spent out of doors each member of the class should have a small collecting pail, small, wide-mouthed bottles and, if possible, a pair of field or opera glasses and hand lens. It is suggested that the women be provided with heavy shoes, short, stout skirts and caps.

Text: Jordan, Kellogg & Heath, "Animal Studies." (Appleton). Six weeks' credit. Room M. 8-9 daily. The hour 7-8 should be left open for field work. Mr. Magers.

5. *Physiology Review*. The chief object in this course is to prepare teachers to pass the county examinations in this subject, giving them at the same time as clear an understanding as possible of human anatomy, histology, physiology, hygiene, and contagious disease. The work will consist of recitations, lectures, and demonstrations, the department being well supplied with models, skeletons, charts, preparations and thin sections, available for individual study. An elementary knowledge of the subject is assumed. Credit will be given in preparatory physiology to those who satisfactorily complete the course. Daily, 2-3. Room K. Mr. Magers.

6. *Teachers' Physiology*. While this course is intended primarily as a preparation for teaching physiology in the grades, yet a broader view and a deeper insight into the subject is intended than is possible to be obtained in the high school course which is supposed to have preceded it. During the early part of the term, the nature of the chemical elements which enter into the composition of protoplasm will be studied. Special attention will be given to the nature, composition and nutritious values of foods, effects of alcohol, narcotics, to hygiene, sanitation and contagious diseases. The course is given by means of lectures, readings, demonstrations and experiments. Credit 12 weeks. Room K. Class meets twice a day, 9-10 and 3-4. Mr. Magers.

7. *Primary Nature Study*. A course of lectures and demonstrations intended primarily for teachers of the elementary grades and those who have the supervision of such work. There will be discussed the underlying principles of the subject and the most important aims and methods. Certain special topics recommended for the primary school will be presented for purposes of illustration. Complete courses of study for the first four grades will be outlined and suggestions given in regard to the collection of material, its care and devices for the study of live forms in the school room. The question of the school garden will receive especial attention and illustration. Hour 9-10, except Fridays. Room A. Since no especial requirement is made, there will be no credit. Professor Sherzer.

8. *Minerals and Rocks*. This is a practical study of the more common minerals and rocks, particularly those of economic import-

ance. Bulk material is furnished to the teacher for study and he is assisted in making a small private collection. Blow-pipe methods and simple chemical manipulation will be acquired. Field trips will be made as often as needed for the collection of local material and the week end excursions will afford opportunity for collecting from more distant localities. No previous knowledge of geology or chemistry is presupposed. Hours, 8-9 daily, with a laboratory hour arranged to suit the convenience of the student. Six weeks' credit. Rooms A and C. Professor Sherzer.

9. *Physiographic Geology*. An elementary study of those geological agencies which are now at work in modifying the surface of the earth in order that the pupil may understand how these agencies have operated in past time. The course will cover the mechanical and chemical action of the atmosphere, the geological effects of ice and running water, the various organic agencies in our ponds, lakes and seas, and the phenomena due to the internal heat of the earth. The course will consist of library work and lectures, illustrated with photographs, models, specimens and lantern slides. Some elementary text will be used as a guide. The week-end excursions to be given are primarily for the members of the class, so far as they may desire to take advantage of them. Hour 10-11 daily. Six weeks' credit. Room A. Professor Sherzer.

10. *Week End Excursions*. These excursions are planned primarily for the students of Courses 8 and 9, so far as they may wish to take advantage of them. Others will be welcomed until the limit set for each excursion is reached. They will afford opportunity for special field studies, sight seeing and recreation from the heavier studies of the week, and are open to both ladies and gentlemen. To be personally conducted by Prof. Sherzer. The shorter excursions have been more than filled by members of the summer school, but the expense connected with the longer trips prevents many from going who would otherwise wish to do so. For this reason there will probably be room for others who may live near enough to take advantage of these excursions. Places should be spoken for in advance by writing Prof. Sherzer.

Excursion 1. July 7th. Ypsilanti to Trenton by special electric car for the purpose of observing the ancient beaches and lake deposits made by the predecessors of our Great Lakes. The *drowned* streams which empty into the Detroit river, the quarry of Cornifer-

ous limestone at Sibley's and the effects of the four great advances of the Canadian ice sheets. Dinner will be had in Trenton at the hotel, and a box lunch carried to be eaten at Belle Isle, Detroit's famous park. Expense about \$1.35.

Excursion 2. July 14th. Ypsilanti to Put-in-Bay, Lake Erie, by special electric car and steamer. The trip gives 120 miles of water travel and five hours upon the island, with associations of Commodore Perry and his victory. There will be observed rock structure, wave action, cavern formation and ice erosion. Box lunch. Expense about \$1.40.

Excursion 3. July 19th, 20th, and 21st. Ypsilanti to Niagara Falls, New York, starting Thursday p. m. and reaching home early Sunday, the 22nd. Two nights will be spent upon Lake Erie, aboard the floating palaces Eastern and Western States, and the third night at the Falls, at the International Hotel. The geological features of the celebrated cataract and gorge will be studied and places of historic interest visited. Specimens of the Niagara series of rocks will be collected by those interested. The trip upon the "Maid-of-the-Mist" will be taken and a visit made to the plant of the Niagara Falls Power Company. Number limited to 25. Total expense about \$13.

Excursion 4. July 26th, 27th, 28th and 29th. Ypsilanti to Mammoth Cave, Kentucky. Special car to Cincinnati and river packet to Louisville, giving the evening ride upon the Ohio River. One crossing of both Ohio and Kentucky by daylight, in order to compare a *glaciated* region, with its fresh soils, glacial moraines and drainage channels, with an *unglaciated* region, showing its rusted soils, weathered hills and sink holes. The present plan is to spend parts of two days at the Cave, and to take both the Short and Long Routes. The air of the cavern is so invigorating that this can be done by any one who is not feeble, or an invalid. A few hours will be spent in Cincinnati, in sight seeing. Number limited to 25. Total expense will be somewhere near \$27.

Excursion 5. "House Party." Negotiations are in progress with the railroads concerning rates to the West, starting August 4th for a 30-day trip in a special car. The itinerary will include Garden-of-the-Gods, Pikes Peak, Salt Lake, Yellowstone National Park, Columbia River, Portland, Seattle, Victoria, Vancouver, the Selkirks and Canadian Rockies, Canadian National Park, St. Paul and Chicago. Aside from the sight seeing and recreation, the pur-

pose of the excursion is geological, and every process and rock structure will receive abundant illustration. If suitable rates are secured, the entire expense should not exceed \$225. Any who are interested are invited to correspond with Professor Sherzer.

### THE PHYSICAL SCIENCES

1. *Principles of Physics.* This course is designed to cover the entire subject of physics as a demonstrative and review course. It will deal mainly with the principal laws of physics and their applications. The course is intended for students who have had the subject in high schools, with inadequate facilities for demonstrative experiments. The course may be taken during the summer by those desiring to prepare for county and state examinations. A special feature of this course will be the study of the transmission and transformation of power used by the electric road whose power plant is in the city, and the municipal pumping and lighting station operating from the Huron River. A two-hour course with 12 weeks' credit. Daily, from 8-10. Room 6, Science Building. Assistant Professor Gorton.

2. *Physical Laboratory Practice.* A general course in elementary laboratory practice, with full quiz upon the entire subject. May be taken by those who have had a full year of physics in a high school, but have had insufficient laboratory practice; by those who wish in this way to review and obtain credit for the entire subject; or by specialists in this department who wish to have a laboratory course, but for any reason cannot get advanced laboratory practice. A two-hour course with 12 weeks' credit. Daily 10-12. Rooms 6 and 11, Science Building. Assistant Professor Gorton.

3. *Chemistry I.* A beginning course in the chemistry of the non-metals, with demonstrative and laboratory work. A two-hour course with 12 weeks' credit. 10-12. Rooms 14 and 18, Science Building. Professor Strong.

4. *Chemistry IV.* A course in qualitative chemical analysis following Chemistry 3 of this institution or equivalent work elsewhere. A two-hour course with 12 weeks' credit. 8-10. Daily. Rooms 14, 15 and 18. Science Building. Professor Strong.

5. *General Astronomy.* A one-hour course in general or non-mathematical astronomy with six weeks' credit. Daily, with

observatory work. 2-3. Room 1, Science Building. Professor Strong.

6. If called for, a lecture course will be given in modern theories of matter and recent progress in electricity. Twice a week.  
3-4. Professor Strong and Assistant Professor Gorton.

### PHYSICAL EDUCATION

1. *Physical Training* 1. (Women). 8-9. Mrs. Burton. Swedish gymnastics and school-room games.

2. *Physical Training* 5. (Women). 9-10. Mrs. Burton. Dumb bells and Indian clubs.

NOTE: The lectures usually given with these courses may be arranged for by conferring with Mrs. Burton. Credit will then be given.

3. *Public School Gymnastics*. (Men and women). 9-10, Miss Irene Clark. 11-12, 2-3, 3-4, Miss Loomis.

4. *Rural School Gymnastics*. (Men and women). 10-11, 2-3, Miss Irene Clark.

5. *Teachers' Course*. 10-12. Mrs. Burton. Recitation room work. Theory of Physical Education.

6. *Tennis*. An opportunity will be given for a limited number of men and women to use, at regular hours, the tennis courts, but credit will not be given.

Courses 1 and 2 require the regulation suit, which may be obtained here at a cost of about \$5.00. It is possible to rent suits for the season.

Course 2 is open only to advanced students.

### PSYCHOLOGY AND EDUCATION

#### PSYCHOLOGY AND GENERAL METHOD

*Psychology* 1. Lectures, recitations, readings, and reports upon the same. The class will cover about the work outlined in the first nine chapters of Titchener's *Primer of Psychology*. The work will be based upon Titchener's *Primer* and Angell's *Psychology*. There will be four sections. Each section will recite twice a day. 7-9, 10-12, 1-3, 2-4.

These classes will be under the care of Superintendent H. C. Lott, of Elk Rapids, Mich., and Miss Mattie Alexander Martin. Superintendent Lott is spending the current year in doing special pedagogical work in Columbia University, and Miss Martin is doing special work in psychology and philosophy at Cornell.

*Psychology 2.* Lectures, recitations, readings, and reports upon the same. The class will cover the work outlined in Titchener's Primer, Chapters X to XV, inclusive, and Rowe's Physical Nature of the Child. Titchener's Primer or Angell's Psychology. One section, 7-9. Professor Harvey.

*General Method.* This course will be open to all regular students who desire credit, and to such special students of the Summer School as may wish to broaden themselves along the line of the more important principles of education. Especial attention will be given to Education, its meaning and purpose; the course of study and the relative educational values of the subjects constituting the same; the nature and educational value of interest; inter-relation of studies; examination, promoting and grading of pupils; and the inductive-deductive teaching process.

The work will be conducted by means of lectures, reports, and class discussions. 7-9. Room 50. Professor Roberts.

#### SCIENCE AND HISTORY OF EDUCATION

1. *Science of Education* A study of the biological, physiological, sociological, psychological and philosophical aspects of education. Text: Horne's Philosophy of Education. Hour 7-8. Room 26. Professor Hoyt.

2. *School Administration.* A study of the history and problems of supervision: (1) the qualification of the superintendent; (2) his relation to the board of education, teacher, children, and the community; (3) the functions of the superintendent as the executive officer of the board and as a supervisor; (4) professional ethics. This course is designed for superintendents and principals of schools. Hour 9-10. Room 26. Professor Hoyt. From time to time President Jones will meet with this class and will conduct round-table discussions.

The courses in Science of Education and School Administration may be credited for degree work.



3. *History of Education.* A study of the educational problems since the seventeenth century. This course will be divided into two parts as follows: (a) An intensive study of the educational doctrines of modern education and their development. This will be done by means of work on assigned topics and readings, reports and discussions. Hour 8-9. Room 26. Professor Hoyt. (b) A course of lectures on the lives and work of the great educators, including Comenius, Rousseau, Pestalozzi, Froebel, Herbart and Horace Mann. Hour 3-4. Room 26. Professor Hoyt.

Students desiring credit in this subject must take both parts of this course. Those not working for credit will take part (b).

### READING AND ORATORY

1. *Elocution I.* 12 weeks' credit. 10-11 a. m. and 3-4 p. m., four days a week. Miss Master.

Vocal exercises, study of sources of power in speaking and of the vocal elements, quality, force, time and pitch; preparation and reading of classic selections.

2. *Shakespearean Reading.* 12 weeks' credit. 11-12 a. m. and 2-3 p. m., four days a week. Miss Master.

A study of the principles of Shakespeare's dramatic art and an examination of the plots and characters of the drama as they bear upon the vocal expression of selections rendered by the class. Studies will be made of passages from Hamlet, Macbeth, Julius Cæsar, and Merchant of Venice.

In addition to the above courses a class will be organized for work bearing upon the teaching of reading in the rural schools.

### TRAINING SCHOOL

*Superintendent*—Dimon H. Roberts.

*Kindergarten*—Lydia L. Herrick, assisted by Helene Kneip.

*First Grade*—Margaret E. Wise.

*Third and Fourth Grades*—Elisabeth B. McLellan.

*Fifth and Sixth Grades*—Abigail Roe.

*Seventh and Eighth Grades*—Edna T. Cook, B. S.

*Manual Training*—Alice I. Boardman.

*Domestic Science*—Grace Fuller.

The training department will open a school for observation dur-

ing the *first four weeks* of the summer term. The kindergarten and all the elementary grades with the exception of the second will be in session from 8 to 11 a. m. each day.

The teaching will be entirely in the hands of the regular critic teachers, and the work will aim to illustrate accepted methods in manual training, domestic science, nature study, reading and literature, arithmetic, geography and history.

Students electing observation in the Training School will be expected to do regular work and report regularly to the critic teachers in charge. The hour from eleven to twelve each day will be set apart for informal talks by the critic teachers; for the general discussion of lesson plans, methods, courses of study, principles of education, and for the consideration of questions which naturally grow out of illustrative teaching.

No credit is given in this department during the summer term; but a certificate of attendance may be issued by the superintendent to those teachers who have been regular in their observation work during the four weeks which the school has been in session.

### DOMESTIC SCIENCE AND ART

In addition to the illustrative work in domestic science and art in the grades of the Training School, the following special courses will be offered to the summer students:

*Domestic Science.* A course of twenty-four lessons in the study of food in its relation to (1) life processes, (2) economic conditions. This will be illustrated by lectures upon digestion and assimilation, fuel and economic values, and by practical work upon the selection, preservation, and preparation of food. Credit will be given only to those who continue specializing in this line of work.

Domestic Science room, Training School building, 10-12. Miss Fuller.

*Domestic Art.* The nature of this course will be definitely determined after the class is formed. Elementary sewing, as taught in the grades, will occupy a considerable portion of the time, and if there is a demand for other forms of hand work the course will be arranged accordingly.

Domestic Art Room, Training School building, 8-9 daily. Miss Fuller.

### MANUAL TRAINING

In addition to the illustrative work in manual training, which will be carried on in the grades of the Training School, a course of instruction will be offered to a limited number of students in the Summer School. Special attention will be given to the various forms of hand work which are now taking such a prominent place in our primary and intermediate grades. The course will include work in clay modeling, paper cutting, weaving, cardboard construction, raffia, basketry, and Venetian bent iron.

No credit will be given in this course except to those who continue to specialize in manual training.

Manual Training Room, Training School Building, 8-9 and 11-12 daily. Miss Boardman.

# Names of Students

## High School Department

### NINTH AND TENTH GRADES.

Albertson, Bessie .....	Ypsilanti
Aldrich, Dean .....	Ypsilanti
Anderson, Junetta .....	Tustin
Barry, Ethel .....	Coat's Grove
Barton, Mary .....	Milan
Benjamin, Lysle .....	Denton
Bullock, Emma J. ....	Salem
Colby, Ruby May .....	Belleville
Cole, Genevieve .....	Ypsilanti
Comer, Isabelle .....	Ypsilanti
Cooper, Hazel .....	Ypsilanti
Crane, George A. ....	Ypsilanti
Cross, Ralph .....	Ypsilanti
Donahue, Rose .....	Ypsilanti
Dunn, Mildred .....	Carleton
Gittins, Jennie .....	Belleville
Head, Frank .....	Milan
Hertler, Lillian .....	Saline
Hindelang, Odo .....	Ypsilanti
Hitchingham, Adelaide .....	Whittaker
Hitchingham, Mamie .....	Milan
Huegel, Dorothy .....	Ypsilanti
Huston, Ethe .....	Ypsilanti
Huston, Sadie .....	Ypsilanti
Jacot, Coralyn .....	Ypsilanti
Lathers, Arthur .....	Inkster
Lathers, Edith .....	Inkster
Lautenslager, Lynn .....	Ypsilanti
Lawrence, Lester .....	Ypsilanti
McRoberts, Margaret .....	Ypsilanti

MacVicar, Adelaide .....	Ypsilanti
Meyers, George .....	Ypsilanti
Miller, Brownie .....	Ypsilanti
Miller, Rhoda Mae.....	Ypsilanti
Miller, Veva .....	Ypsilanti
Minard, Louis B. ....	Ypsilanti
Minard, Charles .....	Ypsilanti
Newington, Mary E .....	Romulus
Norton, Mabel .....	Ypsilanti
Norris, Leverne .....	Ypsilanti
O'Brien, Gertrude .....	Ypsilanti
O'Connor, Gladys .....	Ypsilanti
Peterson, Cora .....	Ypsilanti
Sage, Inez .....	Ypsilanti
St. Clair, Jennie.....	Ypsilanti
Seymour, Guy E.....	Denton
Showers, Zaida .....	Ypsilanti
Smith, Geneva J.....	Ypsilanti
Smith, Zelma F.....	Belleville
Staley, Harold .....	Ypsilanti
Surbrook, Edna .....	Jackson
Sweezy, May .....	Troy, Kansas
Trowbridge, Guy F.....	Ypsilanti
Van Valen, Paul .....	Belleville
Webb, Beatrice .....	Ypsilanti
Wigle, Joy .....	Ypsilanti
Williams, Jay .....	Ypsilanti
Woods, Aleda Jeanette.....	Ypsilanti
Ziegler, Clara .....	Ypsilanti

#### PREPARATORY

Ayers, Orpha M.....	Detroit
Bryant, Birdie .....	Topinabee
Cook, Ruth .....	Saranac
Davis, Clara E.....	Milan
Dicks, Gertrude .....	Belleville
Finch, Clifford D.....	Ypsilanti
Hernan, Elija J.....	Auburn
Hopkins, Lucy .....	Milan
Jamieson, Thomas .....	Wayne
Kelsey, Catherine M.....	Ypsilanti
Leary, Ellen Ester .....	Dexter

McNair, Mable .....	Flint
Moorhouse, Lily .....	Edenville
Murray, Julia .....	Flint
O'Brien, May .....	Milan
Oelke, Marie .....	Willis
Rector, Ray Edward.....	Sodua
Ryan, Katie M.....	Ypsilanti
Sheridan, Clara .....	Flushing
Smith, John H.....	Belleville
Stone, Effie M.....	Sandusky
Stowe, Clella R.....	Webberville
Weaver, Nina .....	Ann Arbor
Wilson, Bertha.....	Chelsea
Wilson, Helen A.....	Chelsea

## FIRST YEAR.

Bacon, Ruth .....	Detroit
Bennett, Blanche .....	Wixom
Bloom, Mollie .....	St. Ignace
Brundage, Perry .....	Belleville
Bullock, Emma .....	Salem
Burrell, Mabel .....	Denton
Cawker, Minnie .....	Detroit
Clumpner, Guy C. ....	Kenton
Coman, Ray .....	Waldron
Conklin, Frances .....	Oak Grove
Cutler, Leslie .....	Reed City
Davis, Clarke E. ....	Burnips Corners
DeRoche, Bertha .....	Posen
DeRoche, Bessie .....	Posen
Matthews, Ina Marie .....	Ypsilanti
Maze, Eva .....	Frontier
Nolan, Nellie .....	Mio
Orr, Winnifed .....	Manistique
Palmer, Eva N. ....	Maybee
Reed, Charlotte E. ....	Milford
Reed, Hazel .....	Ypsilanti
Ricard, Ethel A. ....	Jackson
Robbe, George .....	French Landing
Slater, Albert M. ....	Pontiac
Smallegan, Dora .....	Central Lake
Spitzer, Ethel .....	Grafton, Ohio

Spitzer, Flora .....	Grafton, Ohio
Thorne, Grace J. ....	Fenville

### SECOND YEAR.

Adams, Minnie C. ....	New Boston
Bennett, Susie May .....	Wixom
Bond, Lettie A. ....	Ypsilanti
Brown, Violet A. ....	Jackson
Campbell, Celia .....	Troy, Ohio
Chapman, Earl A. ....	Ypsilanti
Clute, Josephine .....	Ypsilanti
Dean, Mabel .....	Quincy
DeKay, Roy S. ....	Mt. Clemens
Dicus, Florence .....	Ypsilanti
Dicus, Harriet .....	Ypsilanti
Gurtzweiler, Rose .....	Deerfield
Hinchey, Pacia .....	Pinckney
Hoare, Bertram J. ....	Fremont
Hughes, Hazel .....	Prairieville
Hunt, Suzanna E. ....	Saranac
Johnson, Nellie .....	Nunica
Johnson, Olga .....	Nunica
Lambie, Minnie Mabel .....	Ypsilanti
Lathers, Junia .....	Ypsilanti
Mowry, Etta .....	Sherwood
Newington, Nettie .....	Romulus
O'Leary, John Henry .....	Toledo, Ohio
Palmer, Zelda .....	Detroit
Peters, Winifred .....	Pinckney
Phillips, Ethel .....	Courtright
Potter, Eva .....	Thompsonville
Sackett, Wm. O. ....	Detroit
Seeley, Nellie .....	Duplain
Thompson, Evelyn E. ....	Ypsilanti
Underwood, Lesha .....	Ypsilanti
Wilson, Delia .....	Moline
Woolsey, Lula M. ....	Ypsilanti

### THIRD YEAR.

Abrams, Etta .....	Brighton
Aldrich, Hugh G. ....	Howell
Alexander, Mary Loretta .....	Sandusky

Allmendinger, Fern .....	Benton Harbor
Alward, Clara .....	Camden
Angell, Rena .....	Belding
Asquith, Celia Edna .....	Memphis
Asquith, Mabel I. ....	Memphis
Ash, Nellie May .....	Three Rivers
Aslet, Eva M. ....	Elk Rapids
Atkin, Grace .....	Milford
Bailey, Mary D. ....	Constantine
Baker, Enola .....	Pontiac
Baker, Winifred .....	Petoskey
Banbery, Dorothy .....	Lake Linden
Barber, Katherine .....	Leslie
Barkume, Claire .....	Detroit
Barlow, Mildred .....	Ypsilanti
Barnes, Effie .....	Onondago
Barry, Flossie .....	Assyria
Barton, Margaret .....	Detroit
Bashford, Olive .....	Howell
Bates, Frank .....	Nettle Lake, O.
Bates, Warner .....	Nettle Lake, O.
Baty, Minnie .....	Saline
Beals, Aimee .....	Paw Paw
Beeby, Adeline .....	Sparta
Beebe, Nina .....	Ovid
Behrens, Ethel .....	Muskegon
Behrens, Marie .....	Ithaca
Bennetts, Ethel W. ....	Calumet
Benton, Sara M. ....	Great Falls, Mont.
Bergin, Frances .....	Howell
Billings, Daisy .....	Dryden
Billings, Vida .....	Dryden
Bixler, Abbie Mae .....	Mt. Gilead, O.
Boardwell, Katheryn .....	Montague
Bolt, Anje Frances .....	Grand Haven
Bond, Nellie .....	Lansing
Bonine, Clara M. ....	Vandalia
Bonine, Sadie E. ....	Vandalia
Boone, Alma .....	Troy, O.
Borland, Barbara .....	Caro
Bowen, Alice .....	Detroit
Bowerman, Lois O. ....	Lyons



Boyle, M. Ella	Grand Ledge
Bradford, Cora M.	Saginaw
Bradford, Lida	St. Ignace
Brennan, Catherine	Detroit
Briggs, Cora Belle	Hillsdale
Briggs, Mrs. Mary Estelle	Ypsilanti
Britton, Mamie A.	Paw Paw
Brock, Roby	Whitehall
Brotherton, Laura	Grand Rapids
Brown, Alice M.	Ypsilanti
Brown, Cherrie	Cedar Springs
Brown, Eolah M.	Edson
Brown, Verna	Belding
Brownell, Lena V.	McMinnville, Tenn.
Browning, Nancy M.	Pentwater
Bryan, Fred	Mt. Morris
Burch, Ray	Bellaire
Burke, Eva M.	Ypsilanti
Burkhart, Claude	Chelsea
Burkheiser, Elizabeth Susie	Ypsilanti
Burkley, Louise	Williamston
Burley, Mildred	Huntington
Burridge, Ethel	Benton Harbor
Burse, Gwendolyn	Flint
Bush, Percie	Gobleville
Byrne, Susan Lydia	Jackson
Byrum, Warren D.	Leslie
Caldwell, Mattie	Hawks
Cameron, Jessie H.	Coldwater
Carson, Lottie	Elk Rapids
Carter, Wm. T.	Flat Rock
Cassidy, Ellen	River Rouge
Cassidy, Mary	River Rouge
Chamberlain, Sadie B.	Wayland
Chambers, Florence E.	Lansing
Chapin, Ethel M.	Eden
Chapman, Hiram H.	Ypsilanti
Chapman, Olive	Rockford
Chapman, Rolland	Rockford
Clark, Mabel Edith	Ypsilanti
Clark, Irene	Ypsilanti
Cleary, Ida J.	Memphis

Clink, Ray J. ....	East Jordan
Clipfell, Belle .....	Vicksburg
Coller, Blanche M. ....	Eaton Rapids
Collins, Minnie .....	Mt. Clemens
Cook, Catherine .....	Iron Mountain
Cory, Edith M. ....	Sturgis
Cory, Grace .....	Sturgis
Craine, Ruth .....	Port Huron
Cram, Myrtle M. ....	Pontiac
Crawford, Lua A. ....	Saranac
Crittenden, Jas. C. ....	Portland
Cruson, Florence M. ....	Jackson
Culp, Merle .....	Colon
Cupples, Bessie .....	Cartersville
Curry, Essie .....	Bay City
Cushman, Belle .....	Bath
Daggett, Edith E. ....	Pentwater
Damson, Emma H. ....	Holland
Davis, John D. ....	Pentwater
Dealy, Margaret .....	Yankton, S. Dak.
Deaner, Bernice .....	St. Joseph
DeLand, Elma .....	Flushing
Deming, Jean E. ....	Wayne
Dendel, Bessie .....	Wayne
DeSpelder, Ethel .....	Greenville
Dey, Ora W. ....	Fowlerville
Dickinson, Agnes .....	Benton Harbor
Dieterle, Marie .....	Saline
Dix, Agnes Elizabeth .....	Lake Linden
Dockstader, Rena .....	Ypsilanti
Dolby, Myrtie .....	Ypsilanti
Donaldson, Harriett R. ....	Montrose
D'Ooge, Ida J. ....	Ypsilanti
Drouin, Alice .....	Detroit
Duncanson, Jean .....	Harbor Beach
Dykema, Magdaline .....	Holland
Easterly, Donna Juanita .....	Oxford
Edwards, A. Ruth .....	Ypsilanti
Elliott, Gaynell .....	Bravo
Ellis, Lucy .....	Washington
Elmer, Marian M. ....	Devereaux
Ellsworth, L. Edna .....	Readmond

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Engle, Earle J. ....	Tekonsha
Evans, Mary ....	Richmond
Ewald, Mamie ....	Benton Harbor
Fast, Sidnah ....	Ypsilanti
Finton, Carrie ....	Ypsilanti
Fisher, Eve B. ....	Fowlerville
Fisk, Eleanor ....	Athens
Flintoff, Theodore W. ....	Sand Lake
Flower, Vevah F. ....	Bellevue
Folyer, Clara B. ....	Yankton, S. Dak.
Foster, Roy S. ....	Parma
Fournier, Bertha ....	Fort Wayne, Ind.
Francisco, Inez A. ....	Reed City
French, Jessie ....	Bay City
French, Veva B. ....	Riley Center
Friday, Louise ....	Lenox
Fritts, Edna J. ....	Ypsilanti
Fritz, Julia ....	Dexter
Fritz, Pearl ....	Dexter
Fry, Elizabeth ....	Burr Oak
Fulford, Chas. Robt. ....	Romulus
Gage, Elinor ....	Green Oak
Garnhardt, Edna V. ....	Albion
Garrison, Lela ....	Fremont
Geer, Clara E. ....	Ypsilanti
Geer, Ethel E. ....	Ypsilanti
Geer, Florence ....	Ypsilanti
George, Anna Marlon ....	Ypsilanti
Gereau, George H. ....	Quinneseec
Getty, Dolly ....	Shelby
Gibbons, Olive ....	Urbana, O.
Giles, Elsie E. ....	Rockford
Gillette, Gladys ....	Benton Harbor
Gibson, Irma E. ....	Ludington
Gleeson, Bertha ....	Milford
Goldsmith, Lois ....	Kalamazoo
Goldup, Florence ....	Homer
Grable, Ella ....	Otsego
Grable, Lillian ....	Otsego
Gray, Lottie ....	Calumet
Green, Edith M. ....	Pittsford
Greenfield, Sadie ....	Flushing

Griffith, Frances	Eaton
Gross, Hazel	Rockford
Grove, Althea	Ovid
Hale, Maud	Hesperia
Hall, Lotta E.	Bad Axe
Hall, Winifred L.	Mason
Halliday, Alice	Bellevue
Halliday, Inez E.	Clinton
Hamlin, Anna L.	Marshall
Hammond, Leo	Vermontville
Hansen, Agnes	Manistee
Harper, Eloise	Ypsilanti
Harper, E. Louise	Pontiac
Harrington, Irene	Ontonagon
Harrington, Katherine	Kearsarge
Harrison, Frank	St. Louis
Hart, Maud	Eaton Rapids
Hartley, Isabel	Lansing
Hawley, Verna Estelle	Chelsea
Hay, Ola	Wyandotte
Hazelton, Ransom	Washington
Herald, Wm.	Hubbardston
Hickman, Blanche E.	Ypsilanti
Higgins, Celia	Bellevue
Higgins, Eunice	Bellevue
Hill, Edna	Delray
Hill, Harvey	Reading
Hindelang, Mrs. M.	Ypsilanti
Hoag, Adelia	Springport
Hocking, Johanna	Leslie
Holland, Lillian M.	Grand Ledge
Holliday, M. Belle	Vassar
Hollister, Margaret	Battle Creek
Holmes, W. Delos	Vernon
Holt, Lucile	Bellevue
Hoolhan, Mabel	Toledo, O.
Hootman, Mary	Plainfield, O.
Hoover, Rosena	Ypsilanti
Hosbein, Rose B.	St. Joseph
Hough, Carrie	Almont
Hovey, Nellie	Reed City
Howe, Raymond	Battle Creek

Hubbard, Blanche .....	Downington
Hubbard, Julia .....	New Baltimore
Hughes, Pearl L. ....	Marshall
Hulett, Zella E. ....	Armada
Hull, Mabel .....	Onondaga
Hunter, Clare S. ....	Ypsilanti
Hutton, Florence E. ....	Fairgrove
Hynes, Nat .....	Stockbridge
Iles, Katheryn .....	Allen
Jackson, Beulah .....	Jackson
Jarvis, Edna .....	Plymouth
Jennings, Elsa .....	St. Joseph
Jillson, Pearl .....	Ovid
Johnson, Archie .....	Nevada, O.
Johnson, Elizabeth .....	Ewart
Johnson, Irma M. ....	Great Falls, Mont.
Jones, Edna C. ....	Maple Rapids
Jones, Mrs. Maude .....	Battle Creek
Jordan, Clara R. ....	Elkhart, Ind.
Ketcham, Hazel M. ....	Grand Rapids
Kettner, Lillian .....	Grand Rapids
Kidwell, Bessie .....	Allegan
King, Mattie F. ....	Holt
Kirk, Elizabeth .....	Fair Grove
Kline, Hazel .....	Lake Linden
Kreiter, Maud E. ....	Hillsdale
Kyle, Lola Helen .....	Pontiac
Lamb, Alice .....	Hudson
Lambart, Margaret .....	Fairburg, Neb.
Lane, Raymond Earl .....	Olivet
Lathers, Henry Joseph .....	Inkster
Lathers, Maurice C. ....	Ann Arbor
Launstein, Pearl .....	Chesaning
LeBlanc, Theresa .....	Wyandotte
Leinbach, Florence .....	Centerville
Lewis, Clyde .....	Northville
Lewis, Edith .....	Oxford
Lindow, Cora E. ....	Marine City
Lindsey, Edna .....	Corunna
Livingston, Leah .....	River Rouge
Lockhart, Beatrice .....	Ypsilanti

Lovejoy, Sadie .....	Lenox
Lowe, Edward J.....	Ypsilanti
Lundteigen, Petra .....	Union City
Lysaght, Agnes Clare.....	Grand Haven
Mapes Myrtle .....	South Haven
Marks, Nella .....	Townley
Marlin, Rose F.....	Detroit
Marshall, Julia .....	Toledo, O.
Martin, Hazel .....	Hillsdale
Mattern, Melvin Earl.....	Fayette, O.
Matzen, Edna M. ....	Cass City
Merrill, Ashley P.....	Algonac
Merriman, Edythe .....	Reading
Metcalf, Emma .....	Custer
Millen, Ara L.....	Ypsilanti
Miller, Brice .....	Flushing
Miller, George B.....	Tekonsha
Mills, Harriet .....	Ida
Mills, Ina .....	Clinton
Miner, Grace .....	Allegan
Mitchell, Goldie .....	Charlotte
Monroe, Audie M.....	Bangor
Monroe, Inez M.....	Detroit
Montague, Etta M.....	Ovid
Montgomery, May .....	Hastings
Moore, Sarah L.....	Bay City
Morris, James Leslie .....	Ypsilanti
Morrison, Gertrude .....	Holly
Mosher, Theodora .....	Armada
Mosier, Frank R.....	Hamilton
Mott, Ethel V.....	Mayville
Mott, Hattie .....	Mayville
Munson, Luella .....	Deerfield
Murphy, Florence .....	Tecumseh
Murray, Irene .....	Ann Arbor
McCall, Belle A.....	River Rouge
McCormick, Ethel .....	Ovid
McDonald, Kathryn .....	Tawas City
MacDonald, Hazel .....	Flint
McDonald, Rose .....	Tawas City
McFarland, Gladys .....	Scottville

McFetridge, Kate .....	Ypsilanti
McGreevy, Genevieve M. ....	Detroit
McGregor, Burwell.....	Ypsilanti
McGregor, Claud A.....	Ypsilanti
McGuffin, Sadie .....	Memphis
McNair, Lida .....	Flint
McNeil, Marion .....	Bay City
Nelson, Hilda .....	Calumet
Newell, Mabelle .....	Ypsilanti
Nicolson, Ethel .....	Marlette
Nieman, Hazel .....	River Rouge
Nower, Hazel .....	Lawrence
Nye, Mabel .....	St. Joseph
Nyland, Mary Martha.....	Grand Haven
Oakes, Mary E.....	St. Clair
O'Brien, Marjorie .....	Grand Rapids
Olds, William E.....	Flint
Olson, Mabel .....	Muskegon
Ormond, Anna .....	Milford
Page, Josie E.....	Grand Rapids
Paisley, Georgia .....	Ypsilanti
Palmer, Louisa F.....	Brooklyn
Palmer, Mae A.....	Houghton
Parker, Fern .....	Eaton Rapids
Parks, Agnes P.....	Elk Rapids
Paull, Olive .....	South Haven
Peck, Catherine .....	Mt. Clemens
Peck, Pearl Isabel.....	Ada
Peil, Hazel .....	Howell
Penoyer, Nellie .....	Bangor
Perrin, Elizabeth .....	Grand Rapids
Perrine, Frank J.....	Rives Junction
Perrine, Mary .....	Rives Junction
Perry, Vena Belle.....	Springport
Perso, Leone .....	Hubbell
Perso, Matilda .....	Hubbell
Peters, Edna B.....	Manistique
Pfaff, Myrtle .....	Bad Axe
Phelps, Pearl .....	Bay City
Phillips, Affa Mae.....	Armada
Phillips, Donna .....	Ypsilanti

Phillips, Sarah	Armada
Pierce, Edith C.	Flint
Pinkham, Mary Anna	Ionia
Polk, Mamie	River Rouge
Poole, Marion Alberta	Detroit
Prentice, Helen Mae	Pontiac
Preston, Olive	Grass Lake
Price, Lulu H.	Almont
Prine, Edna	Springport
Purdy, Grace A.	Fairgrove
Purdy, Retta	Caro
Ramsdell, Floy D.	Alto
Ratz, Mamie	Brighton
Reber, Dorcas	Fremont
Rector, Lillian	Ionia
Reed, Anna	Erie, Pa.
Reed, Ethel	Durand
Reid, Emma	Ann Arbor
Reiser, Florence I.	Cadillac
Rexford, Blanche H.	Ypsilanti
Reynolds, Leona Mae	Hancock
Rinsey, Nellie	Ann Arbor
Risto, Estelle	Eaton Rapids
Roberts, Ola	Ypsilanti
Rogers, Anna L.	Ewart
Rorison, Irene	Ewart
Royston, Anna	Fremont
Royston, Maggie	Fremont
Ruehs, Emma J.	Caledonia
Rutherford, Bertha A.	Milford
Ryan, Gertrude	Hastings
Sammons, Florence	Leslie
Sanders, A. J.	East Gilead
Schoenfeld, Viola A.	Detroit
Scollen, Margaret	Fowlerville
Scott, Edith	Northville
Scott, Erman	Ypsilanti
Scott, Maude Effie	Grand Haven
Seaver, Jay John	Ypsilanti
Selkirk, Mabel	Reed Ctiy
Sellen, Ora	Springport



Shannon, Nina .....	W. Bay City
Shaver, Della G. ....	East Tawas
Shaw, Olive E. ....	Ludington
Shepherd, Ethel .....	Cheboygan
Shepherst, Helen Cary .....	Toledo, O.
Shewcraft, Clara B. ....	Detroit
Shore, Myrtle Mae. ....	Evart
Signs, Charlie C. ....	Saranac
Simons, Ida Maud. ....	Calumet
Simpson, Bertha .....	Ypsilanti
Skoglund, Emma C. ....	Kenton
Smith, Edith .....	Union City
Smith, Edna B. ....	St. Joseph
Smith, Florence M. ....	Denton
Smith, Gertrude Walker .....	Detroit
Smith Harold, J. ....	Deerfield
Smith, Helen E. ....	Wellsville, O.
Smith, Mary H. ....	Troy, O.
Smith, May K. ....	Monroe
Smith, Ruth M. ....	Albion, N. Y.
Snyder, Ethel .....	Battle Creek
Snyder, Hazel L. ....	Three Rivers
Sober, Ethel .....	Alma
Southworth, Alice .....	Quincy
Spackman, Mae .....	Shelby
Spaulding, Judith .....	Bellevue
Spinks, Grace .....	Marine City
Stacey, Clara .....	Pontiac
Stapleton, Anna .....	Ovid
Steeds, Ivah .....	Owosso
Steimle, Edward M. ....	Atlantic Mine
Stellwagen, Clara L. ....	Wayne
Stewart, Earl .....	Elba
Stewart, Irene M. ....	Detroit
Stewart, Nettie E. ....	Ypsilanti
Stone, Lula B. ....	Dorr
Strang, Emma .....	Eaton Rapids
Stretch, Tina .....	Benton Harbor
Sturman, Jennie .....	Battle Creek
Sullivan, Floyd .....	Williamston
Sullivan, Mary F. ....	Ypsilanti
Summerby, Ethel .....	Allenville

Sutherland, Mrs. Elizabeth	Leroy
Sutherland, Hazelle	Lansing
Swartout, Neva R.	Marshall
Sweet, Nellie	Columbiaville
Swyny, Pauline Elizabeth	Butte, Mont.
Symes, Sadie	McBain
Takken, Bernice May	Ewart
Talman, Marie	Clare
TenEyck, H E.	Milan
Terwilliger, Lillian	Montague
Thomas, Annie F.	Lansing
Thomas, Genevieve	Ypsilanti
Thomas, Mabel E.	Genesee, Ill.
Thompson, Alma	New Carlisle
Totten, Maud	Cedar Springs
Towner, Winifred	Grand Ledge
Townsend, Clara	Gaylord
Travis, Grace	Belding
Travis, Nellie	St. Johns
Trible, Susie B.	Ann Arbor
Twitchell, Jennie	Ann Arbor
Tyler, Helen	Flint
Updike, Audrey P.	Denver, Col.
Upham, Edward	Flat Rock
VanDyke, Henrietta A.	Grand Haven
Van Enenaan, Alice	Zeeland
VanOmmeren, Flora	Laingsburg
Wainwright, Eva	Ypsilanti
Walford, Bertha M.	Ypsilanti
Walker, Lillian	Sault Ste. Marie
Walsh, John B.	Cedar Springs
Wamsley, Jennie R.	Cedar Springs
Ward, Geta M.	Wayland
Ward, Lina Johnson	Saginaw
Weaver, Starlie	Manchester
Weinberg, Gertrude	Vicksburg
Weir, Mabel P.	Au Sable
Welch, Imogen	Decatur
Weller, Bertha A.	Rockford
Westcott, Leo E.	Hartford
West, Clarence J.	Franklin
Weston, Lynn Edwin	Marlette

Westphal, Louise .....	W. Bay City
Wetmore, Georgie .....	Holland
Wheeler, Mrs. Gertrude.....	Ypsilanti
Whims, George J.....	Orion
Whitaker, Florence E.....	Middleburg, N. Y.
White, Anna L.....	Detroit
White, Callie .....	Clio
White Elizabeth Pearl.....	Ypsilanti
White, Fern .....	Ypsilanti
White, Marian Frances.....	Ypsilanti
Whitney, Grace Elma .....	Flint
Wilhelm, Lillian .....	Traverse City
Wilhelm, Mabel .....	Traverse City
Williams, Anna .....	Delray
Williams, Winifred .....	Plymouth
Wilson, Dwight .....	Ypsilanti
Wilson, Mary M.....	Detroit
Wilson, Minnie J. ....	Wausau, Wis.
Wilson, Sarah Winnifred.....	Tecumseh
Wilton, Anna .....	Flint
Winchester, Agnes .....	Ft. Smith, Ark.
Winegar, Jessie .....	Charlotte
Wirth, Clista .....	Ypsilanti
Woods, Louise .....	Ravenna, O.
Woodman, Cora .....	Paw Paw
Woodworth, Helen .....	Ovid
Worden, Irma L.....	Harbor Beach
Wright, Beulah .....	Ft. Smith, Ark.
Yerrington, Maud A.....	Dorr Center
Yorton, Melvia .....	Ann Arbor
Youngs, Clara .....	Jackson
Zimmerman, Mabel .....	Owosso

## FOURTH YEAR

Abrams, Mabel.....	Brighton
Akey, Madge .....	Colon
Andrews, Louise A.....	Paw Paw
Arnot, Cora .....	Mt. Clemens
Atkin, Bertha L.....	Petoskey
Atkinson, F. H.....	Reese
Aumert, Louise .....	Grand Rapids

Babcock, Harold .....	Sandusky
Ballard, Amy .....	Cedar Springs
Ballard, Bessie .....	Cedar Springs
Bammel, Romelda .....	Bay City
Banghart, Carroll F. ....	Mayville
Bannen, R. A. ....	Ypsilanti
Barmby, Eleanor .....	Mt. Clemens
Barnard, Amy L. ....	Durand
Bartlett, Mary E. ....	Harbor Beach
Bebeau, Irene .....	Rockland
Birdsall, Emma P. ....	Saline
Blossom, Edna G. ....	Cedar Springs
Borgmeier, Lena .....	Petersburg
Borgmeier, Mary .....	Petersburg
Bonner, Blanche E. M. ....	Newaygo
Bowen, Cora L. ....	Ypsilanti
Brady, Anna .....	Ypsilanti
Braley, William N. ....	Ypsilanti
Britton, Anna E. ....	Newaygo
Broesamle, Anna .....	Ypsilanti
Brown, C. F. ....	Ionia
Brown, Celia .....	Plymouth
Brown, Guy C. ....	Clarkston
Brown, Leroy N. ....	Clarkston
Bryan, Harry W. ....	Mt. Morris
Bullis, Helen Pearl. ....	Maple Rapids
Burke, Nettie .....	Shelby
Burton, Jennie L. ....	Benton Harbor
Bush, Ila. ....	Gobleville
Butterfield, Nona .....	Detour
Cameron, Maud .....	Ypsilanti
Carpenter, Grace .....	Orion
Garroll, Jett .....	Bay City
Chandler, Luella B. ....	Ann Arbor
Chapel, Helen .....	Parma
Chapin, Alice C. ....	Eden
Childs, Emma .....	Ypsilanti
Childs, Frances G. ....	Hudson
Clark, Helen .....	Lansing
Clark, Mabel Leone. ....	Denton
Clem, Emerson S. ....	St. Paris, O.
Clement, Nellie .....	Coldwater

Colby, Charles C.	Armada
Collins, Agnes Imogene	Toledo, O.
Cole, Frances Amy	Ypsilanti
Collins, M. B.	Ypsilanti
Cook, Amelia	Edmore
Coon, Alonzo	Dearborn
Corbett, Milred	North Adams
Corbin, Florence	Ashtabula, O.
Cornish, Arvilla	Durand
Cornish, Mildred	Lawton
Cottrell, Grace	Detroit
Cox, Mabel L.	Ypsilanti
Crane, Caroline	Ypsilanti
Crane, Mabel A.	Hillsdale
Cranley, Honora	Scottville
Crawford, Irene	Ypsilanti
Crego, Gayle L.	Brooklyn
Cronin, Elizabeth	Blaine
Crosby, Viva	South Lyon
Cross, Arthur E.	Calumet
Crossman, Clara	Camargo, Ill.
Culbert, Veva	Hanover
Culver Sheldon	Milan
Currie, Essie M.	Richmond
Curtis, Mary Frances	Dundee
Cutler, Cassie B.	Saranac
Davis, I. W.	Fowlerville
Davis, Wm. Walter	Muskegon
Dean, Lulu	Ypsilanti
Dean, Winifred S.	Saginaw, W. S.
Dennis, Venola	Ann Arbor
Devin, Esther	Buchanan
DeVries, Mrs. Florence	Manton
Dietrich, Nella E.	Laingsburg
Dunbar, Ruth	Grand Rapids
Dunham, Sophie	Alma
Easton, Verna	Dexter
Eddy, Celestia	Ypsilanti
Eddy, Elsie L.	Plymouth
Egeler, Mabel	Wayne
Eggert, Frederika	Holland
Ells, Zelma	Saginaw

Fair, Ethel D.	Ypsilanti
Faulkner, Winifred	Grand Rapids
Felton, Florence	Dorr
Ferguson, Irene	Almont
Ferguson, W. A.	Newton Falls, O.
Filley, Edna	Ashton
Fish, Zayda	Constantine
Fisher, Alice C.	Ypsilanti
Fisher, Merritt	Sand Hill
Fitts, Maisie	Evart
Flink, Edith	Bear Lake
Foster, Lute E.	Tekonsha
Francisco, Orra	Reed City
Fraser, Nana	Medina
French, Anna L.	Kalamazoo
Fuller, Cecile	Eaton Rapids
Gabriel, Edith	Owosso
Gabriel, Ina	Owosso
Gary, Lillian	Ypsilanti
Gibbons, Winifred	Urbana, O.
Gilman, Elmer S.	Eaton Rapids
Glass, Claribel E.	Denton
Godard, Sadie	Imlay City
Godfrey, Edith A.	Jonesville
Goodhew, Lily E.	Ann Arbor
Grant, Eva Agnes	Ypsilanti
Green, Carlton W.	Marcellus
Greer, Ermah	Northville
Grose, H. D.	Ann Arbor
Hagenbush, Rose	Three Rivers
Hall, Carrie A.	Ludington
Hall, Lella	Chesaning
Hale, Della E.	Springport
Hale, Emily Swift	Detroit
Handy, G. C.	Owosso
Harding, Fanny	Martin
Harley, Dora	Ludington
Harmon, Mary	Birmingham
Harrington, Lena M.	Olivet
Hart, Mabel	South Haven
Harten, Anna	West Bay City

Hartwell, Mary .....	Charlotte
Harry, Jessie .....	Hubbell
Head, Roy S. ....	Milan
Heald, Marie .....	Hartford
Heilner, Florence .....	Howard City
Heisner, Gertrude .....	Bay City
Henry, Ethel .....	Lexington
Herington, Marthe Lela.....	Cadillac
Herr, Lila .....	Benton Harbor
Hess, Eloise .....	Dundee
Hetcheler, Alma .....	Howell
Hicks, Bessie .....	Allegan
Hinkle, Isabel .....	Hillsdale
Hinkson, Bertha .....	Detroit
Hoag, Adelia .....	Springport
Holcomb, Edith .....	Traverse City
Holmes, Emma .....	Ypsilanti
Hopphan, Margaret .....	Lansing
Horen, Leslie E.....	Ypsilanti
Houle, Anna .....	Rockland
Howard, Alta .....	Concord
Howard, Charlotte M.....	Jackson
Howe, Alice A.....	Howell
Hoyle, Edith L.....	Cedar Springs
Hubbell, Bessie .....	Ypsilanti
Hughes, Sarah L.....	Northville
Hull, Cora M .....	Saline
Hunter, Frances L.....	Adrian
Hurlburt, Pearl E.....	Tawas City
Hutson, Bertha .....	Ypsilanti
Huyck, Josephine .....	Clio
Jackson, Edna .....	Davisburg
Jackson, Myra .....	Ovid
Jennings, Sarah .....	Eaton Rapids
Johnson, Carl V.....	Vandalia
Jones, Adaline .....	Detroit
Jones, Elsie B.....	Negaunee
Jones, Lucy C.....	Andover, O.
Joy, May Evans.....	Millington
Justema, Kathryn .....	Grand Haven
Kelley, Genevieve .....	Bay City

Kennedy, Claribel L.....	Lansing
Kenyon, Merle .....	Tecumseh
Kenzler, Alice R.....	Saginaw
Kern, Mrs. Mattie .....	Ypsilanti
Killen, Marie E.....	Romulus
King, Ira F.....	Ypsilanti
Kircher, Irving .....	Webster, N. Y.
Kniffen, Claude L.....	Britton
Knight, Belle .....	Blissfield
Knoll, Jessie .....	Dundee
Laffrey, Belva .....	Marine City
Laing, Lottie .....	Ortonville
Lake, James G.....	Sault Ste. Marie
Lamb, Lottie L.....	Fenton
Langdon, John W.....	Allenville
Lathers, Henry Joseph.....	Inkster
Lawrence, Lila .....	Lowell
LeClerc, Ida E.....	St. Ignace
Ledinsky, Blanche A.....	Bucyrus, O.
Lee, Donna .....	Elsie
Leeman, Mary V.....	Chelsea
LeSage, Irene .....	Butte, Mont.
Lewis, Katherine .....	Lowell
Lewis, W. Glen .....	Butternut
Lich, Alta .....	Big Rapids
Lilley, Maude .....	Belleville
Long, Elsie Almayda .....	Coldwater
Long, Leo F.....	Tekonsha
Long, Mabel E.....	Dearborn
Look, Florence .....	Detroit
Looker, Nellie .....	Ann Arbor
Loomis, Agnes Taylor.....	Ypsilanti
Lowe, Leila .....	Adrian
Lownsbury, Mabel C.....	Ypsilanti
Lusby, Viola .....	Ann Arbor
Lustfield, Charlotte .....	Crystal Falls
Luten, Alice J.....	Grand Rapids
Lux, L. Marguerite .....	Mears
Mallison, Julia Gray .....	Hesperia
Mann, Lulu .....	Williamston
Mann, Ruth .....	Belding



Mattison, Jennie L. ....	Dexter
Maxfield, Maud .....	Allegan
Meyers, Elsie .....	Three Rivers
Miller, Ella .....	Detroit
Miller, M. Louise .....	Eaton Rapids
Misner, Chas. E. ....	Otisville
Montgomery, Eva R. ....	Ionia
Morrison, Belle .....	DeWitt
Mowers, M. Pearl .....	Portland
Mulder, Ella .....	Spring Lake
Mullen, Frances .....	Mass City
Murphy, Aurelia L. ....	Negaunee
Munroe, Bessie .....	Portland
McAuliffe, Agnes .....	Negaunee
McBain, J. Ford .....	Delton
McCull, Maud .....	Escanaba
McDonald, Jessie .....	Marshall
McDonald, Margaret .....	AuSable
McGregor, Alice .....	Ypsilanti
McLaren, Susie .....	Port Huron
McMillen, Floy .....	Ypsilanti
McMillen, Mabel .....	Howard City
McNamara, Mae .....	St. Ignace
Nackerman, Mary J. ....	Elk Rapids
Nelson, Elsie .....	Ypsilanti
Newcomer, Mary Belle .....	Memphis
Newkirk, Fern E. ....	Chicago
Nicholls, Carrie H. ....	Lake Linden
Nicholls, Zoa .....	Saline
O'Connor, Marguerite .....	Lapeer
O'Dell, Edna Jessie .....	Port Huron
Olds, Nina .....	Ypsilanti
O'Neill, Julia .....	Hubbardston
Orr, Lulu .....	North Branch
Orr, Mildred .....	North Branch
Osborne, Ina B. ....	Warren
O'Toole, Elizabeth .....	Bellevue
Owen, Bernice .....	Orion
Owen, Mabel .....	Orion
Park, Bessie L. ....	Kalamazoo
Parker, Mary .....	Traverse City

Parmalee, Elizabeth .....	Morrice
Payne, Cynthia E. ....	Owosso
Peake, Ethel E. ....	Portland
Peake, Ora B. ....	Portland
Peet, Max M. ....	Iosco
Pettitt, Anna ....	Benzonia
Phillips, Athelia ....	Plainwell
Phillips, Clara A. ....	Bangor
Pittinger, Benjamin .....	Shelby
Potter, Jessie .....	Thompsonville
Prideau, Della .....	Lake Linden
Prine, Howard C. ....	Springport
Purdy, Lulu D. ....	Harbor Beach
Ray, Leah Anna .....	Buchanan
Reynier, Eva H. ....	Grand Rapids
Reynolds, Ione .....	Paw Paw
Riddle, Carrie M. ....	Plymouth
Rivard, Dorothy .....	River Rouge
Roehm, Cora .....	Ypsilanti
Rorabeck, Lovisa .....	Eaton Rapids
Ross, Kate E. ....	Sault Ste. Marie
Ross, LaVern .....	Ypsilanti
Rutson, Fay .....	Detroit
Ryerson, Grace L. ....	Holton
Sayles, Ida G. ....	Ypsilanti
Schaffer, Bertha .....	Ann Arbor
Schell, H. G. ....	Oxford
Scoutten, Margaret .....	Laingsburg
Sheldon, Carrie .....	Quincy
Shiffler, Orpha .....	Frontier
Smallidge, Clara .....	Grass Lake
Smith, A. Ezoa .....	Tawas City
Smith, Ethel .....	Charlevoix
Smith, Genevieve, .....	Lansing
Smith, Guy C. ....	Tipton
Smith, Lillian B. ....	Berville
Smith, Mabel M. ....	Ypsilanti
Smith, Nina G. ....	Big Rapids
Smith, Susan R. ....	Denton
Smith, W. B. ....	Ubley
Snyder, Horace W. ....	Albion

Spillane, Cassie M.....	Durand
Sprague, Roy E.....	Farmington
Sprout, Beatrice E.....	Marthaville, La.
Staley, Bertha .....	Ypsilanti
Stanley, Winfield .....	Hillsdale
Stark, Eliza Page .....	Ann Arbor
Steere, Elizabeth .....	Ann Arbor
Stephens, Bess .....	Stockbridge
Stephens, Leo .....	Milford
Stephenson, Maude .....	Bronson
Stewart, Blanche .....	Middleville
Sturm, Julia .....	Clinton
Swain, Jessie C.....	Ypsilanti
Sweet, Elizabeth .....	Ypsilanti
Taggart, Ella Bertha .....	Burr Oak
Taisey, Connie .....	Rapid City
Taylor, Estelle .....	Saginaw
Terpenning, Eliza .....	Brown City
Terry, Laura .....	Ortonville
Theel, Sophie .....	Detroit
Thomas, May J.....	Grand Rapids
Thompson, Dorothy .....	Grand Rapids
Titsworth, Mabel .....	Plymouth
Townley, Grace .....	Ann Arbor
Travis, Edith .....	Elsie
Tripp, Nettie C.....	Ludington
Turner, Bertha Viola .....	Petoskey
Turner, G. Ruth.....	Jackson
Uren, Beatrice E.....	Norway
Uren, E. Maude .....	Norway
VanAuken, Bess .....	Hartford
Verrier, Rachel .....	Rockland
Wade, Alda M.....	Green Oak
Wakefield, Ella .....	Howell
Walcott, Albert .....	Shelby
Walker, Charles D.....	Plainfield
Wallace, Josephine .....	Detroit
Wallin, Irene .....	Bay City
Walrath, Henrietta .....	Bay City
Walsh, Henry .....	Cedar Springs
Warren, Margaret .....	Calumet

Webster, Chas. A.	Metamora
Welden, Carrie M.	St. Ignace
Weller, Erma	Rockford
Wellington, Carrie	Springport
Wetherell, Elizabeth	Wayne
Wheelock, Ethel	Saranac
Whitbeck, Flora	Plymouth
Wilcox, Cecil	Benton Harbor
Williams, Harold Edward	Adrian
Willman, E. J.	Montague
Wimple, Arizona	Owosso
Wilson, Hattie	Marlette
Wilson, Lulu	Oxford
Wisner, Eber Hugh	Clayton
Withtenbury, Ray	Shelby
Wood, Bessie	Charlotte
Woodward, Alban C.	Milan
Wright, Bess B.	Elk Rapids
Wright, Lora	Grand Blanc
Wright, N. Elizabeth	Hudson
Yates, Maude	Washington
Zach, Mabel L.	Ypsilanti

## DEGREE STUDENTS

Barlow, Edna	Ypsilanti
Bath, Wm. H.	Monroeville
Broecker, Richard W.	Goodrich
Carpenter, Clifford D.	Bronson
Carpentetr, G. C.	Bronson
Cooley, H. C.	Ypsilanti
Deam, Effie	Ypsilanti
Gibbs, A. Bruce	Portland
Jensen, Frank	Ypsilanti
Jones, Harry P.	Marcellus
King, Sarah Edith	Lansing
Lockwood, Margaret	Pittsford
Loomis, L. Elta	Ypsilanti
McKay, Jean	Ypsilanti
Miller, Clayton C.	Battle Creek
Moeller, Julius H.	Hillsdale
Morgan, George J.	Coloma
Pomeroy, Esther C.	Hilo, S. I.

Sargent, Bernice .....	Ypsilanti
Smith, Arthur L.....	Reed City
Smith, Park H.....	Fayette, Ohio
Steimle, Clemens P.....	Atlantic Mine
Trathen, Sidney P.....	Houghton
Travis, Martin B.....	Clarkston
Walling, W. L.....	Onaway
Wheeler, Francis J.....	Ypsilanti
Wilson, Mabel K.....	Ypsilanti

#### POST GRADUATES.

Andrews, Elsie .....	Grand Haven
Arnold, Lella B.....	Plainwell
Barlow, Edna .....	Ypsilanti
Bath, Wm. H.....	Monroeville
Broecker, Richard W.....	Goodrich
Carpenter, Clifford D.....	Bronson
Carpenter, G. C.....	Bronson
Childs, H. Ethel .....	Ypsilanti
Clark, Esther M.....	Laingsburg
Cooley, H. C.....	Ypsilanti
Davis, George Laverne .....	Ypsilanti
Deam, Effie .....	Ypsilanti
Gibbs, A. Bruce .....	Portland
Jensen, Frank .....	Ypsilanti
Jones, Harry P.....	Marcellus
King, Sarah Edith .....	Lansing
Lockwood, Margaret .....	Pittsford
Loomis, L. Elta .....	Ypsilanti
McKay, Jean .....	Ypsilanti
Miller, Clayton C.....	Battle Creek
Moeller, Julius H.....	Hillsdale
Morgan, George J.....	Coloma
Pomeroy, Esther C.....	Hilo, S. I.
Ross, Lucille .....	Ypsilanti
Sargent, Bernice .....	Ypsilanti
Smith, Arthur L.....	Reed City
Steimle, Clemens P.....	Atlantic Mine
Trathen, Sidney P.....	Houghton
Travis, Martin B.....	Clarkston
Walling, W. L.....	Onaway
Wheeler, Francis J.....	Ypsilanti

Wigle, Mrs. Mary E.....Webberville  
 Wilson, Mabel K.....Ypsilanti

**SPECIAL STUDENTS.**

Anspach, Chas. Martin .....Ann Arbor  
 Berry, Mrs. Mernie L. ....Ypsilanti  
 Brock, R. W.....Muskegon  
 Carpenter, Mrs. Myrtle .....Bronson  
 Cooley, Mrs. H .C.....Ypsilanti  
 Cox, Mrs. Louise .....Ypsilanti  
 Dixon, Walter E.....Ypsilanti  
 Gunning, Marcella .....Chicago  
 Howard, May .....Florence, Montana  
 Loomis, C. M.....Ypsilanti  
 Marquezado, John .....Iquique, Chile  
 Miller, Mrs. C. C.....Battle Creek  
 Mosher, Margery .....Manistique  
 Scott, Mena .....Ypsilanti  
 Shipman, George .....Fayette, Ohio  
 Waters, Sarah E.....Ypsilanti  
 Worden, Vera B.....Ypsilanti  
 Zwergel, Mary C.....Ypsilanti

**CONSERVATORY STUDENTS**

Abbott, Blanche	Vocal and Piano	Ann Arbor
Abbott, Grace H.	Organ	Ovid
Abrams, Jessie	Vocal and Piano	Brighton
Akey, Penice	Music and Drawing	Colon
Alexander, Bessie	Vocal	Ypsilanti
Alexander, Marjorie	Public School	Cleveland, Ohio
Allen, Fay	Vocal	Ypsilanti
Allen, Lulu Margaret	Piano	Milan
Alward, Clara	Piano	Camden
Ayers, Orpha	Piano	Dearborn
Bacon, Grace	Vocal	Boston, Mass.
Bammel, Romeida	Violin	Bay City
Barber, Katherine	Vocal	Leslie
Barnes, Lamberta	Piano	Geddes
Barnes, Robert	Piano	Geddes
Barton, Grace E.	Piano	Pinckney
Bechtel, Ethel	Music and Drawing	Manton
Bernhard, Mabel	Vocal	Barnesville, Ohio

Bird, Eleanor	Vocal and Piano	Clarkston
Bissel, Maud	Vocal	Ann Arbor
Bliss, Iva	Vocal	Ypsilanti
Boomer, Lydia	Piano	Manchester
Bovee, Helen	Music and Drawing	Ypsilanti
Bowers, Iva	Music and Drawing	Lima, Ohio
Boylan, B. L.	Vocal	Mason
Brennen, Katherine	Vocal	
Braisted, Lou	Piano	Ypsilanti
Braley, Wm. N.	Violin	Ypsilanti
Breining, Jessie	Piano	Belleville
Brooks, Mabel	Piano	Ypsilanti
Brown, Genevieve	Piano	Ypsilanti
Brown, Lucile E.	Vocal and Piano	Ypsilanti
Bruce, Frances	Piano	Melvin
Burkle, Eugenia	Piano	Woodland
Burr, Cora C.	Vocal	Ypsilanti
Calahan, Elzina	Music and Drawing	Sturgis
Campbell, Gordon	Piano	Dowagiac
Carpenter, Fanny	Vocal and Piano	Ypsilanti
Carven, Bessie E.	Piano	Saline
Chapman, Ethel	Music and Drawing	Walled Lake
Clark, Ethel M.	Vocal	Ypsilanti
Cline, Esther	Piano	Ypsilanti
Coggeshall, Mina B.	Vocal	Zeeland
Colby, Chas. C.	Vocal	Armada
Colline, Arabella	Organ	Blissfield
Cook, Milton	Vocal	Ypsilanti
Cordary, Mary	Vocal	Ypsilanti
Cork, Frances	Vocal	Melvin
Counsell, Edna	Music and Drawing	Howell
Coryell, Edna	Piano	Ypsilanti
Crane, Florence A.	Vocal	Ypsilanti
Crotty, Della	Vocal	Dollar Bay
Daggett, Edith	Piano	Pentwater
Daley, Fred	Vocal	Ann Arbor
DaRatt, Gracia	Music and Drawing	Ypsilanti
Davis, Bertha	Public School Music	Galeton, Pa.
Davis, Maude C.	Vocal	Ypsilanti
De Garmo, Irene	Piano	Highland
De Green, A. L.	Public School Music	Addison

Denton, D. S.	Vocal	Gregory
DePew, Inez	Piano	Ypsilanti
De Spelder, Bertha	Vocal	Greenville
Deubel, Dee	Piano	Ypsilanti
Dixon, Mrs. Walter	Public School	Ypsilanti
Donnahoe, Agnes	Piano	Ishpeming
Downing, Adelle	Vocal and Piano	Manistee
Driesbach, Florine	Violin	White Pigeon
Engle, Earle	Vocal	Tekonsha
Ellsworth, George	Vocal	Ypsilanti
Emmens, Ruth	Piano	Ypsilanti
Etheridge, Mabel	Vocal	Quincy
Fallas, Isabel	Vocal and Piano	Grand Rapids
Farrington, Lucy	Vocal	Ypsilanti
Felton, Florence	Vocal	Dorr
Fletcher, Helen	Piano	Ypsilanti
Flint, Mrs. Jennie	Piano	Homer
Flower, Mary H.	Piano	Flat Rock
Fohey, Mary T.	Music and Drawing	Ann Arbor
Fournier, Bertha	Vocal	Fort Wayne, Ind.
Frazelle, Cora	Piano	Mason
Fuller, Kathryn	Music and Drawing	Fenton
Fulton, Minnie	Piano	Ypsilanti
Garrett, Freda	Piano	Ypsilanti
Gass, Alice Mabel	Vocal and Organ	Ypsilanti
Gillman, Anna	Piano	Ypsilanti
Gillman, Elizabeth	Piano	Ypsilanti
Gilpin, Vivian	Vocal	Grand Rapids
Gordon, Mrs. H. C.	Vocal	Ypsilanti
Gorton, Lyle	Vocal and Piano	Howell
Graves, John M.	Vocal	Ypsilanti
Gray, Mrs. Annis	Piano	Ypsilanti
Hamlin, Anna	Vocal	Marshall
Hankinson, Harry	Vocal	Ortonville
Harding, Fanny	Vocal	Manistee
Hearn, Cora M.	Vocal	Benzonia
Heiner, Florence	Vocal	Howard City
Henenden, Mrs. Edith	Special	Ypsilanti
Hetcheler, Alma	Vocal	Howell
Hill, Harvey	Vocal	Reading
Hoag, Maud	Vocal	Ypsilanti



Hobart, Lynn	Vocal	Detroit
Holmes, Burwell	Organ	Durand
Horner, Mrs. Ned	Piano	Ypsilanti
Howard, Evelyn	Piano	Florence, Montana
Howard, May	Piano	Florence, Montana
Howe, Leone	Piano	Ypsilanti
Howell, Zoa	Piano	Onaway
Hootman, Mary	Vocal	Plainfield, Ohio
Huston, Mae	Piano	Millington
Jennings, Elsa	Vocal	St. Joseph
Jones, Edith	Vocal and Piano	Ypsilanti
Kimball, Bess L.	Vocal	Clinton
Kirchhofer, Hugo	Vocal	Manchester
Kneip, Helene	Piano	Ypsilanti
Koon, Edith	Piano	Ann Arbor
Lamb, Lottie	Vocal	Fenton
Lambie, Leah	Piano	Ypsilanti
Landon, Ruth	Violin	Devereaux
Lathers, Maurice C.	Vocal	Ann Arbor
Long, Mabel E.	Vocal	Dearborn
Loomis, L. Elta	Vocal	Ypsilanti
Loranger, Violet	Organ	Ontonagon
Lowe, Hazel	Piano	Corunna
Lysaught, Agnes	Vocal	Grand Haven
Macauley, Katherine	Vocal	Deerfield
McCarthy, Joe	Vocal	Ypsilanti
McCurdy, Ethel	Piano	Ypsilanti
McKay, Jean	Vocal	Ypsilanti
Mereness, Eugenie	Music and Drawing	Ypsilanti
Merriman, Edythe		Ypsilanti
Merrill, Edna	Piano	Millington
Metcalfe, Rebecca	Piano	Jackson
Miller, Edna	Vocal	Chicago
Miller, Elsie	Piano	Ypsilanti
Minard, Maria	Vocal	Ypsilanti
Minchin, Nydia	Public School	Evart
Monroe, Audie	Vocal	Bangor
Mosher, Catherine	Vocal	Marquette
Mosher, Margery	Music and Drawing	Manistique
Mosher, Theodora	Piano	Armada
Mott, Flossie	Public School	Mayville

Mount, Florence	Music and Drawing	Ypsilanti
Muir, Helen	Music and Drawing	Ypsilanti
Murray, Irene	Piano	St. Ignace
Murray, Julila Anna	Piano	Flint
Newkirk, Nellie E.	Vocal	Ann Arbor
Nichols, Carrie H.	Vocal	Lake Linden
Nichols, Zoa	Vocal	Saline
Nicholson, Ethel	Vocal	Marlette
Nowlin, Nina	Vocal	Ypsilanti
Oleson, Nettie Mae	Vocal	St. Joseph
ONeil, Julia	Vocal	Hubbardston
Pague, Natalie	Music and Drawing	Chicago
Palmer, Mabel	Vocal	Metamora
Palmer, Pearl	Piana	Milan
Pease, Helen	Vocal and Piano	Ypsilanti
Peet, Gertrude	Piano	Iosco
Phillips, Ruby	Violin	Ypsilanti
Phillips, Ruby	Violin	Ashtabula, Ohio
Phillips, Donna	Piano	Bellevue, Ohio
Purdy, Retta	Vocal	Caro
Randall, Myrta May	Piano	Armada
Randall, Maude	Piano	Wayne
Randall, Wanda	Piano	Wayne
Richardson, Julila M.	Music and Drawing	Hudsonville
Richardson, Laura	Piano	Greenville
Riggs, Fay	Piano	Ypsilanti
Rogers, Myrtelle	Piano	Ypsilanti
Ross, Lucile	Vocal	Ypsilanti
Roberts, Ola		Ypsilanti
Ruen, Katherine	Piano	Pinckney
Sargent, Bernice	Piano	Ypsilanti
Scott, Wanda	Music and Drawing	Ypsilanti
Sears, Ada	Piano	Elk Rapids
Seligman, Jane	Vocal	Kalamazoo
Sheldon, Pansy	Vocal	Ypsilanti
Shaner, Rosina	Piano	Ypsilanti
Shields, Katherine	Vocal	Hubbardston
Shields, Luvella	Vocal	Marlette
Showers, Frank L.	Vocal	Ypsilanti
Shutts, Genevieve	Vocal	Ypsilanti
Skinner, Sadie E.	Piano	Ortonville

Smafield, Myra	Vocal	Brown City
Smith, Arthur	Vocal	Reed City
Smith, Wm. B.	Violin	Ubyly
Smith, Ruth	Piano	Dexter
Sorenson, Bertha	Vocal	Lakeview
Spalding, Laura	Vocal and Piano	Lyons
Sprague, Augusta	Mus. & Draw.	Albion, Ill.
Stellwagen, Clara	Vocal	Wayne
Stanger, Jonathan	Vocal	Ann Arbor
Stewart, Edith	Piano	Pigeon
Stoffer, Nettle	Vocal	Ottawa, Ill.
Surbrook, Edna	Piano	Ypsilanti
Thompson, Alma	Vocal	New Carlisle, O.
Thomas, Hope	Music and Drawing	Portland
Thomas, Genevieve	Vocal	Oxford
Thorburn, Dollie	Vocal and Piano	Holt
Thorn, Veva L.	Vocal	Ypsilanti
Tompsett, Ethel	Vocal	Sparta
Trabilcox, Letha A.	Piano	Ypsilanti
Trathen, Sidney P.	Vocal	St. Marie
Travis, Nellie	Piano	St. Johns
Trowbridge, Marguerite	Piano	Ypsilanti
Turner, Inez	Vocal	Armada
Van Cleve, Antoinette	Violin	Buffalo, N. Y.
Van De Walker, Hugh	Vocal	Ypsilanti
Van De Walker, Mrs. H	Vocal	Ypsilanti
Vroman, Erma J.	Vocal	Vicksburg
Wade, Pauline	Piano	Manton
Walker, M. Ethelyne	Vocal	Almont
Walker, Ila	Piano	Ypsilanti
Wall, Florence	Piano	Hubbell
Ward, Beta	Piano	Wayland
Waterman, Leone	Music and Drawing	Ypsilanti
Wheeler, Jessie	Vocal	Union City
Wheeler, Sadie	Piano	Manton
Whittelsey, Helen	Piano	Battle Creek
Wilson, Florence	Vocal	Ypsilanti
Winchester, Agnes	Vocal	Fort Smith, Ark.
Wood, Platt	Organ	Ypsilanti
Woolsey, Lulu	Piano	Ypsilanti
Woolsey, Olive	Piano	Ypsilanti

Yerrington, Maud	Vocal	Dorr Center
Youngs, Blanche	Public School	Ewart
Ziegler, Ella	Piano	Ypsilanti

## CONSERVATORY POST GRADUATES

Beardsley, Belle	Piano	Ypsilanti
Brown, La Verne	Piano	Byron
Christian, Lella B.	Vocal	Chesaning
Gareissen, Isabella	Piano	Ypsilanti
Garratt, La Verne	Vocal	Watervliet
George, May Olivia	Piano	Ypsilanti
Hunter, Lura	Vocal	Ypsilanti
McCormick, Grace	Vocal	Otter Lake
Seymour, Cora E.	Piano	Union City
Waters, Lucretia	Vocal	Ypsilanti
Weston, Genieve	Piano and Organ	Ypsilanti

## STUDENTS ENROLLED IN SUMMER SCHOOL. 1905.

Abair, Effie M.	Ludington
Abbey, Hettie	Madison, Ohio
Abel, Gretta B.	Ypsilanti
Ableson, Carrie G.	Plymouth
Ableson, Frances	Plymouth
Abrams, Etta	Brighton
Abrams, Mabel	Brighton
Agnew, Floyd	Morenci
Akey, Bernice	Colon
Akey, Madge	Colon
Alexander, M. Loretta	Sandusky
Allen, Eva	Clinton
Allen, Jessie M.	Frankfort
Allen, Lottie	Albion
Alvord, Mrs. Walter	Grant
Anderson, Florence	Bronson
Angell, Z. Estella	Novi
Arney, Beulah J.	Ypsilanti
Aspey, Bessie L.	Eaton, Ind.

Atkinson, F. H. ....	Reese
Atkinson, Winifred .....	Niles
Babcock, Cecil A. ....	Port Huron
Backus, Anna .....	Dansville
Backus, Rose .....	Dansville
Bacon, Mabel .....	Chelsea
Baeheim, Christine .....	Troy, Ohio
Ballard, Melvina .....	Coopersville
Bailey, Cora C. ....	Pontiac
Bailey, Fred E. ....	Lowell
Baird, Mattie A. ....	Brown City
Baird, Nellie D. ....	Brown City
Baker, Clara A. ....	Adrian
Baker, Clara E. ....	Rockford
Baker, Irene M. ....	Alba
Bancroft, Jas. H. ....	Blissfield
Bange, Ella D. ....	Sault Ste. Marie
Bange, Vera M. ....	Sault Ste. Marie
Barber, Emma .....	Quincy
Barkume, Clare .....	Detroit
Barlow, Edna .....	Ypsilanti
Barmby, Eleanor .....	Mt. Clemens
Barnard, Flora .....	Coldwater
Barnes, Hattie .....	Grand Junction
Barrett, Grace .....	Coopersville
Barry, Earl .....	Onaway
Batchelor, Nellie .....	Marcellus
Bates, L. W. ....	Wauseon, Ohio
Bath, Wm. H. ....	Ypsilanti
Baty, Minnie .....	Saline
Baxter, Elizabeth .....	Ypsilanti
Becker, Elva .....	Berrien Center
Becker, George A. ....	Manchester
Becker, Mary .....	Germantown, Ohio
Becker, M. Marie .....	Weston
Behringer, Flora M. ....	Adrian
Bedford, Mamie .....	Holly
Bell, Eva N. ....	Detroit
Bellinger, Fred .....	Mt. Clemens
Benge, H. Lea .....	Quincy
Berger, Wm. R. ....	Marine City

Betteys, Mildred	Oxford
Biery, Harriet	Camden
Bingham, Ethel	Coldwater
Black, Bessie	Whitehall
Blaess, Matilda	Saline
Blair, Maude	Homer
Blakeslee, Pearl	Pontiac
Blackney, Mabel E.	Clio
Bliss, Cora M.	Ashtabula, Ohio
Bliss, Lillian	Crown Point, Ind.
Boardman, Mattie	Perry
Boice, Caroline B.	Covert
Boies, Jean	Wauseon, Ohio
Boies, Marie	Hudson
Bolender, J. W.	Plainwell
Bolton, Hattie	Marlette
Bonner, Blanche E.	Newaygo
Boon, Bernard	Quincy
Bovee, Helen	Ypsilanti
Bowhall, Mabel	Kent City
Boyd, Mabel	Wellsville, Ohio
Boyd, Mary	Wellsville, Ohio
Bradford, Donald E.	Onaway
Brady, Anna	Ypsilanti
Brady, Rose	Sault Ste. Marie
Braley, Wm. N.	Ypsilanti
Brandt, Harry	Hadley
Brandt, Maude	Hadley
Brems, Minna	Plymouth
Brenck, Carrie	Conneaut, Ohio
Brenck, Anna M.	Conneaut, Ohio
Brewer, Mrs. Lydia	Hancock
Bright, Alma A.	Port Hope
Britton, Anna	Newaygo
Brogan, Eleanor	Pinckney
Brough, Lettie I.	Muskegon
Brown, Alice	Charlotte
Brown, Amy J.	Columbus, Indiana
Brown, Charles F.	Ionia
Brown, Guy C.	Clarkston
Brown, Lora	Battle Creek
Brown, Lucile E.	Ypsilanti

Brown, Mabel .....	Yale
Brown, Naomi .....	Yale
Brown, Violet A.....	Jackson
Browne, Ella R.....	Baltimore, Md.
Browning, Bessie .....	Adamsville, Ohio
Bryan, Fred C.....	Mt. Morris
Bryan, Harry .....	Mt. Morris
Bryant, Helena .....	Opechee
Bryant, Myrtis .....	Cheboygan
Buege, Athur A.....	Dorr
Buell, Elna .....	Hanover
Burden, Lillis F.....	Flat Rock
Burke, Alice M.....	Pontiac
Burke, E. A.....	New Boston
Burlingame, Augusta .....	Cadillac
Burns, Vera .....	Gaines
Burse, Goldie .....	Flint
Bush, Blanche .....	Howell
Butler, Leslie A.....	Central Lake
Butler, Martha .....	Detroit
Cable, Margaret .....	Stuebenville, Ohio
Cady, Alice .....	Troy, Ohio
Cagwin, Mina L.....	Metamora, Ohio
Caldwell, Mattie .....	Hawks
Caldwell, Pearl .....	Constantine
Callaghan, Margaret .....	Fenton
Callaghan, Mary R.....	Fenton
Camburn, Edith .....	Adrian
Cameron, Maude E.....	Ypsilanti
Camp, Vera A.....	Bangor
Campbell, Margaret .....	Defiance, Ohio
Campbell, Celia .....	Troy, Ohio
Carpenter, Anna .....	Blissfield
Carpenter, Arthur F.....	Springport
Carpenter, Beulah .....	Metamora, Ohio
Carpenter, C. D.....	Bronson
Carpenter, George Clarence .....	Bronson
Carr, Clara L.....	Dundee
Carrel, Nina .....	Geneva, Ohio
Carter, Mrs. Elizabeth .....	Detroit
Carter, Carrie L.....	Newago
Catherwood, Mary .....	Lafayette, Indiana

Cauffield, A. J.	Latimer, Ohio
Chaney, Mary E.	Blanchester, Ohio
Chapin, Alice	Eden
Chapman, Irene	Ypsilanti
Childs, A. Winifred	Ypsilanti
Childs, Emma	Ypsilanti
Childs, Mabel	Fowlerville
Chisholm, Jessie G.	Montreal, Canada
Christy, Laura	Detroit
Clapp, Susiana	Owosso
Clark, Pearl	Fenton
Cleary, Charles	Ypsilanti
Cleary, Ida J.	Detroit
Cleveland, Olive L.	Shepardsville
Cocoran, Geraldine	Shaftsbury
Colby, Nellie	Eaton Rapids
Cole, Inez E.	Fowlerville
Cole, May	Painesville, Ohio
Collins, Jessie A.	Blissfield
Comstock, Emilie	Ypsilanti
Condict, Anna F.	Adrian
Coney, Charlotte	Allegan
Conner, Florence	Muskegon
Cook, Amelia	Edmore
Cook, I. Milton	Ypsilanti
Cook, Lucinda	Baltimore, Md.
Cooley, Mrs. H. C.	Ypsilanti
Cooley, H. C.	Ypsilanti
Cooper, Mary E.	Deford
Copp, Helen B.	Okemos
Corcoran, Edna	Shaftsbury
Corlette, Jessie	Cheboygan
Corner, Katherine M.	Jeddo
Cornish, Hubert R.	Saginaw
Corrazzi, Grace	Ypsilanti
Cosley, Adelaide C.	Troy, Ohio
Covert, M. W.	Ypsilanti
Cowan, Marion	Port Huron
Cowles, May K.	Geneva, Ohio
Cramblet, Mabel	Muskegon Heights
Craw, Ethel	Caro
Crawford, Irene	Ypsilanti



Crawford, Mabel, B.....	Crown Point
Crittenden, Jas. L.....	Portland
Crook, Geo. R.....	Speaker
Crosby, Viva.....	So. Lyon
Cross, Mabel L.....	Ypsilanti
Crume, L. Ethel.....	Greensburg, Ind.
Culp, Gertrude.....	Constantine
Cuolahan, Mary.....	Jefferson, Mo.
Curtis, Mary F.....	Dundee
Cutler, Emma A.....	Carlisle, Pa.
Cutting, Alice.....	Tecumseh
Daley, Fred.....	Ann Arbor
Davidson, Anna L.....	Hillsboro, Ohio
Davis, Abigail.....	Rockford
Davis, Etta R.....	Sunfield
Davis, Eva.....	Sunfield
Davis, Ira W.....	East Chicago, Ind.
Davis, M. Bertha.....	Galeton, Pa.
Davison, Ethel.....	Detroit
Deacon, Nellie J.....	Hancock
Deal, Anna.....	Owosso
Deam, Effie.....	Niles
Dean, Jeanette.....	Girard
Dean, Lenore.....	Niles
Dean, M. Lillian.....	Vassar
Dean, Mabel.....	Quincy
Dean, Winifred.....	Saginaw
De Boer, Charles.....	Grand Haven
De Courval, Ina.....	Essexville
De Greene, A. L.....	Addison
De Greene, Mrs A. L.....	Addison
Dehn, Anna.....	Holland
Dennis, Phillip E.....	Reed City
De Pew, Nellie.....	Pymouth
De Roche, Bertha.....	Greenville
DeSpelder, Bertha.....	Greenville
Devereaux, Josie.....	Pinckney
Dewitt, Irene L.....	Flint
Dey, Ora W.....	Fowlerville
Dickinson, Mary.....	Ypsilanti
Dicus, Harriet.....	Ypsilanti
Dieterle, Marie.....	Ypsilanti

Dietz, Leroy .....	Williamston
Dobson, Ernest .....	Parma
Dorn, Helen M.....	Imlay City
Dowdy, Ella .....	Chillicothe, Ohio
Doyle, Alice C.....	Grand Rapids
Dryden, Katherine .....	Adrian
Duddles, Lottie .....	Ashton
Dunbar, Calista .....	Traverse City
Dunham, Blanche .....	Ypsilanti
Durfee, E. N.....	Standish
Du Vall, Neva J.....	Coloma
Earls, U. S.....	Solon, Ohio
Earls, Mrs. U. S.....	Solon, Ohio
Ebbitt, Minnie, .....	Hudson
Eddy, Hilah .....	Eagle
Egeler, Salome .....	Wayne
Eldred, Foss O.....	Colon
Eldredge, Jessie A.....	Adrian
Ellis, Lucy .....	Washington
Emendorfer, Eva .....	Saginaw
Ennest, Mildred .....	Applegate
Eppley, Rebecca .....	Troy, Ohio
Evans, Anna L.....	Lowell
Evans, Grace M.....	Rochester
Evans, Mary .....	Richmond
Fallor, John W.....	Jackson
Fair, Ethel .....	Ypsilanti
Fairchild, Carrie M.....	Manchester
Fallas, Isabel .....	Grand Rapids
Farmer, A. E.....	Pontiac
Farrand, Neva N.....	Greenfield, Mo.
Fast, L. W.....	Sebewaing
Fast, Sidnah .....	Chicago, Ill.
Faulkner, Alice M.....	Port Huron
Favereaux, M. Laura .....	Flint
Feldner, Margaret .....	Mansfield, Ohio
Fenton, Alice .....	Arcanum, Ohio
Ferguson, Wallace A.....	Newton Falls, Ohio
Fletcher, William A.....	Ypsilanti
Fletcher, Rachel .....	Ypsilanti
Filiatrault, Blanche .....	Bay City
Findlay, Myrta .....	Litchfield

Finkle, Jennie .....	N. Branch
Finley, Alice .....	Detroit
Fischer, Emma .....	St. Clair
Fish, Clella M. ....	Pinckney
Fish, Mayme .....	Pinckney
Fitzpatrick, Katherine .....	Hudson
Fogg, Mary Grace .....	Jonesville
Foght, A. Margie .....	Lake Odessa
Follwell, Harriet E. ....	Norwalk
Fortune, Grace A. ....	Jeffeson, Ohio
Foster, Josephine .....	Chelsea
Foster, Zora .....	Benton Harbor
Franks, Eva .....	Clyde, Ohio
Franks, Sadie .....	Clyde, Ohio
Fraser, Maude .....	Ypsilanti
Fraser, Nana .....	Medina
Freeland, Lella .....	Port Huron
Freeman, Lucinda .....	Ypsilanti
Freeman, Nina .....	Yale
French, Jessie .....	Bay City
Frost, Bertha E. ....	Millington
Frostic, F. Watson .....	Croswell
Fuller, Eliza .....	Milan
Fulton, Mildred .....	Alvordton, Ohio
Gabriel, Edith .....	Owosso
Gabriel, Ina .....	Owosso
Gaige, Florence .....	Jonesville
Galahan, Jane M. ....	Chelsea
Gary, Lillian .....	Manchester
Gaudy, Jessie .....	Stratford, Ont.
Gaul, Theo. J. ....	Tawas City
Gaynor, Thos. A. ....	Montague
Geer, Florence .....	Ypsilanti
Gibbs, A. B. ....	Portland
Gibson, Laura J. ....	Bellevue
Gierst, Charlotte .....	Mill Creek
Gillman, Louise J. ....	Bay City
Gilmore, R. K. ....	Hart
Gittins, Clarence E. ....	Canton
Goetz, Martha .....	Montague
Goodwin, Mary I. ....	Ashtabula, Ohio
Gosch, Carrie .....	Each Chicago, Ind.

Goss, Calista .....	Ypsilanti
Graham, Edna B.....	Woodman
Grant, Eva .....	Ypsilanti
Graves, Amy E.....	Palmyra
Graves, Calla A.....	Palmyra
Graves, Alta E.....	Palmyra
Gray, Henrietta .....	Wilmington, Del.
Gregg, Georgia .....	Cheboygan
Green, Jessie M.....	Pinckney
Greenfield, Ada .....	Onaway
Greer, Minna L.....	Gladwin
Griffith, Myrtle A.....	Saranac
Grigsby, Zulu M. ....	Logansport, Ind.
Grimes, Gertrude .....	Eau Claire
Grosvenor, Clifford .....	Detroit
Grosvenor, Carrie .....	East Chicago, Ind.
Gurd, Edith .....	Benton Harbor
Gwinn, Vera M.....	Pigeon
Hasse, Christine .....	Hammond, Ind.
Hale, Emily, Swift .....	Detroit
Hall, Frances E.....	Rockwood
Hall, Ruth .....	Bay City
Hall, Stella .....	Coshocton, Ohio
Halsey, D. M. ....	White Pigeon
Hammond, C. G.....	Conneaut, Ohio
Hand, Erma M.....	Ypsilanti
Handy, G. C .....	Owosso
Hardy, Gladys .....	Burnips Corners
Harper, Audrid .....	Ypsilanti
Harper, Beulah .....	North Branch
Harper, Ella .....	Iron Mountain
Harper, Eloise .....	Ypsilanti
Harper, Mabel .....	North Branch
Harrington, Mattie .....	Cadillac
Harris, Joie .....	Pinckney
Harris, L. R. ....	Vernon
Harris, Lutie .....	Wilmington, Ohio
Harris, Mae .....	Geneva, Ohio
Harris, Wilmer C.....	Ann Arbor
Harrison, Celeste .....	Monroe
Harrison, Maizie .....	St. Louis
Hart, Dora .....	Hudson

Harten, Anna	Bay City
Hartwell, Mary	Charlotte
Hatch, Mary C.	South Haven
Hathaway, Maud C.	Blissfield
Harry, Jessie V.	Hubbell
Hawks, Jessie M.	Galesburg
Hawley, Elizabeth	Carleton
Hawley, Mrs. R. E.	Ann Arbor
Hawley, Verna	Chelsea
Haynor, Mrs. E. E.	Rockford
Hayward, Cecile	Eaton Rapids
Hazel, Nellie	Brimley
Hazelton, Mabel	Washington
Heesen, Grace	Tecumseh
Heitch, Mae	Pontiac
Helmer, Hattie D.	Parma
Helmsteter, May	St. Marys, Ohio
Hennigar, Lucile	Oscoda
Hennigar, Archie	Oscoda
Henry, Ethel	Lexington
Henry, Gertrude J.	Wilmington, Del.
Henry, Lillian R.	Fairport, Ohio
Henzie, Catherine	Manchester
Herman, Alice L.	Auburn
Herman, Eliza J.	Auburn
Herron, Edith M.	Port Huron
Hess, Barbara	Elsie
Hicks, Curry, S.	Eaton Rapids
Higgins, Anna	Springport
Higgins, Etta E.	Jackson
Higgins, Genella	Minden City
Higgins, Stella	Bellevue
Hill, Bessie	Coloma
Hill, Edna	Delray
Hindelang, Mrs. Margaret	Ypsilanti
Hoag, Ida Mae	Sandusky
Hobbs, George	Minden City
Holcomb, Edith	Traverse City
Holiday, M. Belle	Vassar
Holman, May	Rockland
Holmes, Gertrude	Momence
Honeyman, Mabel	Vandalia

Hoogenstyn, Edith .....	Holland
Hoopinganer, Nellie .....	Wapakoneta, Ohio
Hopphan, Margaret .....	Lansing
Hosner, Lena E. ....	Bellaire
Houghton, Alice .....	W. Bay City
Howard, Cornelia .....	Ypsilanti
Howard, M. Bertha .....	Albion
Howard, Sadie .....	Gas City, Ind.
Hubert, Grace E. ....	Parma
Hughes, May .....	Lansing
Hull, Blanche .....	Blissfield
Hunt, Ethel .....	Frieberger
Hunter, Caroline M. ....	Adrian
Hunter, Minnie .....	Ovid
Hurford, Maude .....	Coldwater
Hurst, May E. ....	Muncie
Hutchins, Edith .....	Coopersville
Hutson, Bertha K. ....	Ypsilanti
Irwin, Mary E. ....	Palms
Irwin, Nellie M. ....	Palms
James, Grace L. ....	Chesaning
James, Myrtle L. ....	Caro
Janes, Lionel Leroy .....	Coloma
Jennings, Clarence N. ....	Lawrence
Jennings, Sarah .....	Eaton Rapids
Jenness, Louise .....	Akron, Ohio
Jenks, Nellie .....	Ovid
Jones, Adaline .....	Detroit
Jones, Bertie .....	Newark, Ohio
Jones, Emma .....	Brant
Jones, Lucy .....	East Chicago, Ind.
Jones, Mrs. Maud .....	Ypsilanti
Johnson, Alma .....	Fowlerville
Johnson, Lillian .....	Evart
Johnson, Mae .....	Fenton
Johnson, Nettie .....	Nunica
Johnson, Olga .....	Nunica
Jordan, Chas. B. ....	Morrice
Jordan, Clara R. ....	Elkhart, Ind.
Joy, Mary E. ....	Millington
Jump, Josie .....	Bronson
Kaiser, Minnie .....	Bellevue, Ohio

Kauffman, Jessie	Springfield, Ohio
Kearney, Nina B.	Coopersville
Keating, Etta L.	Cass City
Keith, V. Elizabeth	Toledo, Ohio
Kelley, Ella	Jonesville
Kellie, Mae	Monroe
Kelsey, Vena	Ypsilanti
Kelsey, Catherine	Ypsilanti
Kemler, Florence	Eaton Rapids
Kent, Minnie G.	Toledo, Ohio
Kenzler, Alice R.	Saginaw
Keyes, Lillian M.	Grand Rapids
Keys, Alvin	Marlette
Kidwell, Bessie	Allegan
Kilcawley, Helen A.	Painesville, Ohio
Kilcawley, Joanna	Painesville, Ohio
Killen, Marie E.	Wayne
Kilmer, A. E.	Reed City
King, I. F.	Ypsilanti
King, S. Edith	Lansing
King, Viola	Eau Clair
Kishpaugh, Genevieve	Hanover
Klugh, Ethel L.	Detroit
Knapp, Edna	Quincy
Kniffen, Earl R.	Britton
Knight, Belle	Blissfield
Kohn, Margaret	Belding
Koon, Margraet R.	Ypsilanti
Krause, Pauline C.	Ann Arbor
Krebs, Jessie	Charlotte
Kreiter, Maude E.	Hillsdale
Kuemmerle, Pauline	Grand Rapids
Kysor, Dana	Kalamazoo
La Chappelle, Edith	Harrisville
La Clerc, Mary	Sand Lake
La Flamboy, Leah	Morrice
Lake, Jas. G.	Sault Ste. Marie
Lamb, Lottie	Fenton
Lang, Agnes	Davison
Langley, Estelle M.	Baltimore, Md.
Latkin, Lena	Little Rock, Ark.
Lavey, Laura	Pinckney

Lau, Anna M.....	Denton
Le Furge, C. E.....	Ypsilanti
Leighman, Birchard .....	Phoenix
Leighton, Herbert J.....	Bear Lake
Leland, Bernice .....	Fenton
Leng, J. H.....	Wayne
Lennox, Abbie L.....	Millington
Lent, Mary .....	Plymouth, Ind.
Lent, P. H. C.....	Middleton
Lentz, Gertrude .....	Applegate
Lewis, Clyde .....	Northville
Lewis, Glen .....	Butternut
Libhart, Zula .....	Leonidas
Lidell, Alma .....	Big Rapids
Lillie, Madge M.....	Shelby
Lilley, Maude .....	Wayne
Lilley, Louise M.....	Trenton
Lipsey, Alicene .....	Grand Ledge
Lockhart, Alma .....	Ypsilanti
Lockhart, Beatrice .....	Ypsilanti
Lockwood, E. Mildred.....	Vassar
Lockwood, Margaret.....	Pittsford
Loew, Flossie .....	Burnips Corners
Lockwood, Nellie M.....	Pittsford
Long, Elsie .....	Coldwater
Loomis, L. Elta .....	Ypsilanti
Loue, Jesse .....	Swartz Creek
Love, F. W.....	Griffith, Ind.
Luten, Alice J.....	Grand Rapids
Luther, Mrs. J. A.....	Hart
Lyon, Jessie .....	Portland
Magary, Alice .....	Richmond
Manderville, Rowena .....	Hart
Marshall, Mae E.....	South Lyon
Martin, Emma E.....	Portland
Martin, Hazel H.....	Hillsdale
Mason, Anna Hirth .....	Toledo, Ohio
Mason, Pearl .....	Kendallville, Ind.
Matlehner, Edith .....	Wapokenota, Ohio
Matlock, Ernestine .....	Greenville
Mattison, Jennie L.....	Dexter
Matzen, Edna M.....	Cass City



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Mayberry, Grace E.....	Conneaut, Ohio
Maynard, Edna G.....	Crown Point, Ind.
McAllister, Jane .....	Marlette
McAlpine, Donald, C.....	Brooklyn
McArthur, Martha .....	Cass City
McBean, Ione .....	Addison
McCallum, Claud .....	Wilmington
McCallum, Mabel .....	Oak Grove
McCaren, Grace .....	Lexington
McCarthy, S. Eleanor .....	Saginaw
McClure, Edna E.....	Charlotte
McClure, Hester L.....	Charlotte
McClure, Mary A.....	Ottawa, Ohio
McCreery, Mrs. Lulu F.....	St. Johns
McCook, Rhita .....	Oak Grove
McCook, Roy W.....	Oak Grove
McCormack, Jennie .....	Marengo
McCosh, Marie L.....	Homer
McDermott, Anna .....	Flint
McDonald, Grace .....	Bay City
McDonald, Mary L.....	Wellsville, Ohio
McGinnis, Birdelle .....	Mt. Morris
McGinnis, Laila .....	Coshocton, Ohio
McGinnis, Mary .....	Coshocton, Ohio
McGregor, Mae .....	Ann Arbor
McGuinness, Ezliabeth .....	Dexter
McKenzie, Ella.....	Essexville
McKenzie, Bertha .....	Whitethall
McKenzie, Margaret .....	Emmet
McKenzie, Sarah P.....	Yale
McLeish, Florence M.....	Marlette
McLeod, Lena .....	Shepardsville
McMichael, Mary A.....	St. Clair
McMillen, Floy .....	Three Oaks
McNair, Lida .....	Flint
McNaughty, Katherine .....	Middleville
McNell, Evalyn .....	Steubenville, Ohio
McRae, Minnie H.....	Breenbush
McVean, Martha Gertrude .....	Brown City
Mears, Mary .....	Flint
Medill, Alice M.....	Sault Ste. Marie
Medley, Cora B.....	Chillicothe, Ohio

Mellencamp, F. A.....	Grass Lake
Mellencamp, F. J.....	Ypsilanti
Merrick, Fern Nettle .....	East Tawas
Merrigold, Jessie .....	Port Huron
Mettetal, Elsie .....	Redford
Merrill, Wilma .....	Benton Harbor
Meyer, Anna .....	Ypsilanti
Miller, Frances .....	Albion
Miller, Louise .....	Eaton Rapids
Milliken, Bruce .....	Saginaw
Millspaugh, Lizzie .....	Ypsilanti
Minard, Eleanor .....	Ypsilanti
Minard, Marie .....	Ypsilanti
Mitchell, Maude M.....	Opechee
Mixer, Louis C.....	Okemos
Moeller, Julius H.....	Hillsdale
Monk, Elizabeth .....	Gregory
Monks, M. Lela.....	Pinckney
Montague, Ella M.....	Ovid
Montgomery, Eva L.....	Ionia
Montgomery, Lavina .....	Lansing
Moore, Jennie L.....	Ypsilanti
Moore, F. Lenore .....	Richmond
Moore, Olive E.....	Saline
Moran, Katherine .....	Monroe
Morgan, Catherine .....	Ypsilanti
Morgan, Jessie .....	Sodus
Moorhouse, Frances .....	Ypsilanti
Moorhouse, Lily .....	Edenville
Morrison, Leta A.....	Coopersville
Morton, Alice .....	LaSalle
Mots, Caroline .....	Akron, Ohio
Moyer, Irma .....	Troy, Ohio
Moye, Iva .....	Lowell
Mundy, Sarah E.....	Flushing
Munn, Delia .....	Laurel
Munn, Lena .....	Eaton Rapids
Munson, J. W.....	Menominee
Murphy, Cecil .....	Calumet
Murphy, Clare R.....	Springport
Murphy, Frances .....	Pinckney
Murray, Julia .....	Flint

Murray, Lillian M.....	Port Huron
Newcomb, Bessie .....	Carleton
Newhouse, Esther .....	Muir
Newell, Ida .....	Burnips Corners
Newell, Florence .....	Ypsilanti
Neverth, Albert .....	Rushton
Nicholas, Carrie .....	Jackson
Nichols, Frances .....	Ypsilanti
Nichols, Grace E.....	Portland
Nickel, Ella .....	Au Sable
Niebling, Emma C.....	Okemos
Nixon, Bertha L .....	Coldwater
Nixon, Rose E.....	Bellaire
Noll, Cora G.....	Hillsdale
Norden, Eleanor .....	Perkins
Norris, Ransom .....	Ypsilanti
Nower, Hazel .....	Lawrence
O'Connor, Honora .....	Spruce
O'Dell, Edna J.....	Port Huron
O'Donnell, Anna C.....	Midland, Ohio
O'Leary, Katherine .....	Painesville, Ohio
Olney, Clare .....	Leonidas
Olney, C. G.....	Akron, Ohio
Osborne, Kitty G.....	Otisville
Osborn, Hugh .....	Lapeer
Oviatt, Rena May .....	Auburn
Pack, Ethel L .....	Bancroft
Padfield, Annie .....	St. Clair
Pague, Natalie .....	Chicago, Ill.
Pajot, Olive .....	Bay City
Palmer, M. Belle .....	St. Claire
Palmer, Mae A.....	Houghton
Palmer, Phena .....	Ridgeway
Park, Helen .....	Bancroft
Parkinson, Blanche .....	Yale
Parmalee, Elizabeth .....	Morrice
Parsons, Lizzie .....	Bancroft
Paton, Marion L.....	Imlay City
Pearce, Maude .....	Yale
Pease, Addie M.....	Burr Oak
Pearson, Emma .....	Calumet
Peck, Pearl .....	Ada

Peet, Gertrude .....	Iosco
Peet, Max M.....	Iosco
Pennington, Anna E.....	Imlay City
Perkins, Blanche .....	Novelty, Ohio
Perkins, Nellie E.....	Cass City
Perrin, Elizabeth .....	Grand Rapids
Perrine, Jessie A.....	Troy, Ohio
Peters, Winifred .....	Pinckney
Peterson, Bertha M.....	Marine City
Peterson, Helga M.....	Whitehall
Petrie, Jane E.....	Grand Rapids
Pew, Reah Evelyn .....	Ypsilanti
Peyton, Bernadine .....	Parkenburg, W. Va.
Phillips, Donna B.....	Bellevue, Ohio
Phillips, Lillie M.....	Cheboygan
Platt, Frederick .....	Mt. Pleasant
Pimlott, Irene .....	Detroit
Plant, Florence .....	Montague
Plyme, Pearl .....	Stockwell, Ind.
Polk, Mamie .....	River Rouge
Pomeroy, Esther .....	Hilo, S. Is.
Poorman, L. Clare .....	Marcellus
Potter, Alice Jane .....	Davison
Potter, Earl G.....	Davison
Potter, H. E.....	Grand Blanc
Potts, Jennie B.....	Adrian
Pound, Howard G.....	Clio
Pound, Ida May .....	Fenton
Powers, M. Della .....	Lansing
Preble, Charlotte .....	Niles
Preston, Ella .....	Barryton
Priest, Dessie .....	Allegan
Prindle, May .....	Charlotte
Prine, Howard .....	Springport
Purcell, Ida .....	Iron River
Purfield, Helen .....	Ann Arbor
Purtell, Catherine E.....	Ann Arbor
Quigley, Madge .....	Ypsilanti
Quigley, Nellie B.....	Ypsilanti
Raab, Oscar .....	Dorr
Rademacher, Alice .....	St. Clair
Randall, Alice M.....	Utica

Rasch, Bessie M.	Crown Point, Ind.
Rawdon, George	Ypsilanti
Raymonde, Sister	Eagle Streeter, Ill.
Reading, M. Gertdude	Flat Rock
Reason, Mary K.	Pinckney
Reece, Estelle	Troy, Ohio
Reed, Mrs. Catherine	Saginaw
Reed, Ernest J.	Ypsilanti
Reitz, Mrs. Josephine	Bellevue, Ohio
Reno, Clara	Sharon
Reno, Emma L.	Manchester
Rennell, Esther	Oscoda
Reynolds, Everett P.	Evart
Ricard, Ethel	Jackson
Rice, Edna S.	Ann Arbor
Rice, Harry E.	Big Rapids
Richards, Judith M.	Carleton
Richardson, Anna M.	Spruce
Richardson, Mabel	Lansing
Richardson, W. H.	Swartz Creek
Richey, Mary D.	Homer
Richmond, Ola	Delhi
Riddering, Albert A.	Drenthe
Riddering, Dena	Burnips Corners
Reidel, Blanche	Manchester
Riopelle, Mamie	Delray
Riopelle, Mertie	Delray
Rivard, Dorothy	River Rouge
Rivett, Byron J.	Homer
Roberts, Ola	Ypsilanti
Roche, Loretta G.	Ashtabula, Ohio
Rodman, Mary E.	Baltimore, Md.
Roehm, Cora E.	Ypsilanti
Rogers, Lida	Montague
Romig, Lee V.	Dundee
Ronan, Mary B.	Tekonsha
Root, Rosamond	Breedsville
Rorabeck, Louisa	Eaton Rapids
Rose, Leora	Eaton Rapids
Rosewarne, Lura	Marcellus
Ross, Bertha A.	So. Haven
Ross, Ethel M.	So. Haven

Ross, Kate .....	Sault Ste. Marie
Ross, Lucile .....	Ypsilanti
Rowe, Mary .....	Alger
Rowland, Alice .....	Lawrence
Royston, Maggie .....	Fremont
Rubert, M. Cassie .....	Dansville
Ruehs, Emma J. ....	Caledonia
Rush, Nettie E. ....	Owosso
Russell, Zella .....	Weston
Ruth, Alice E. ....	Benton Harbor
Ryan, Nona .....	Wayne
Ryerson, Grace L. ....	Holton
Sackett, William .....	Elm
Salsbury, Helen B. ....	Fenton
Sanford, Nellie .....	Onondaga
Sanford, Rilla .....	Midland, Ohio
Savage, Samuel P. ....	Dowagiac
Sawyer, Lena B. ....	Allegan
Saxton, Bessie .....	West Toledo, Ohio
Saxton, Mabel C. ....	Battle Creek
Schaffer, Emma .....	Manchester
Schall, Frank E. ....	Lakeview
Schall, Mrs. Frank E. ....	Lakeview
Scheidemantel, Mabel .....	Lima, Ohio
Schell, Belle .....	Cass City
Schleuter, Otto .....	Minden City
Schmidt, Sara .....	Fenton
Scollon, Margaret .....	Fowlerville
Scott, Ethel E. ....	Linden
Scott, Eula .....	Lawton
Scott, Lettie M. ....	Marine City
Scott, Margaret H. ....	Ashtabula, Ohio
Scott, W. Arthur .....	Lima, Ind.
Scott, Nora .....	Detroit
Searl, Fred E. ....	Stockbridge
Searl, Ruth D. ....	Mason
Seeley, Nellie .....	Duplain
Seiberling, Elsie .....	Akron, Ohio
Seighman, Birchard .....	Phoenix
Shaefer, Lenna .....	Ypsilanti
Sharp, Martha .....	Big Rapids
Shaw, Carrie M. ....	Bad Axe

Shaw, Eileen M.	Kingsville, Ohio
Sheridan, Clara	Flushing
Sherman, Gertrude	Owosso
Shilling, Ida M.	Troy, Ohio
Shook, Grace E.	Reese
Shriner, Bertha	Marine City
Simons, Carrie	Dansville
Sisman, Elsie	Port Huron
Smafield, Marian	Brown City
Smallegan, Dora	Central Lake
Smith, Anna F.	Monroe
Smith, Clara L.	Carlisle, Pa.
Smith, Geo. A.	Pulaska
Smith, Guy C.	Tipton
Smith, Louise	Ypsilanti
Smith, May K.	Monroe
Smith, Nellie	Walled Lake
Smith, O. L.	Paw Paw
Smith, P. H.	Fayette, Ohio
Snyder, Ethel	Battle Creek
Snyder, F. D.	St. Lawrence, S. Dak.
Solis, Esther	St. Clair
Spaller, Martha	Ypsilanti
Spencer, L. Zoe	Linden
Spicer, Mabel I.	Plymouth
Sprague, R. M.	Douglas
Stadelman, Bessie	Blissfield
Stafford, Margaret L.	Flint
Staley, Bertha	Ypsilanti
Stanger, Emma	Ann Arbor
Stanton, Hazel M.	Midland, Ohio
Stearns, Beulah	Osseo
Steeds, Ivah	Owosso
Steimle, C. P.	Atlantic Mine
Steiner, John L.	Beaverdam, Ohio
Stephens, Leo	Milford
Stevenson, Helen	Port Huron
St. Johns, Etta R.	Momence
Stowell, Alma L.	Colon
Streng, Frances	Grand Rapids
Strong, Katherine L.	Battle Creek
Struble, Mabel S.	Ypsilanti

Struthers, Dorcas .....	Detroit
Sturm, Amanda .....	Saline
Sullivan, Dick .....	Minden City, Mich.
Sutherland, E. B. ....	Leroy
Sutherland, Mrs. Elizabeth .....	Leroy
Swaine, Florence .....	Ypsilanti
Swaine, Jessie .....	Ypsilanti
Swayzee, Dollie Belle .....	Rochester
Sweet, Elizabeth .....	Ypsilanti
Swope, Mary .....	Gas City, Ind.
Taft, M. Alice .....	Weston
Taylor, Alma E. ....	Croswell
Tefft, Mary L. ....	Jackson
Theobald, Lucile .....	Traverse City
Thomas, Genevieve .....	Ypsilanti
Thompson, Margaret. ....	Adrian
Thompson, Mary L. ....	Ann Arbor
Thompson, Maude S .....	Springport
Tier, Anna .....	Akron, Ohio
Torrey, Reine M. ....	Cadillac
Townsend, Pearl .....	Gordon, Ohio
Trask, Ossie A. ....	Geneva, Ohio
Travis, Martin B. ....	Clarkston
Trieber, Emma .....	Niles
Tripp, W. J. ....	St. Clair
Trusty, Florence .....	Wilmington, Del.
Trusty, Lillian .....	Baltimore, Md.
Twichell, Jennie .....	Ann Arbor
Twiggs, Florence .....	Ypsilanti
Updike, Minerva .....	Iron Mountain
Uptegrove, Helen .....	Mendon
Uren, B. Ethel .....	Norway
Uren, Katherine .....	Hancock
Utley, Katherine .....	Lexington
Utley, Mabel G. ....	Whitecloud
Van Cleve, Kate .....	Ypsilanti
Vanderbilt, Lettie .....	Union City
Van Giesen, Shirley .....	Clinton
Van Houten, Alice .....	Flat Rock
Van Houten, Nettie .....	Portland
Vogt, Frances .....	Richmond
Volkmer, Nora E. ....	Chesaning



Vorce, Clara .....	Ypsilanti
Vorce, Edna .....	Ypsilanti
Wade, Benj. F. ....	Hillsdale
Wagg, Manda A. ....	Marine City
Wagner, Gertrude .....	Greenville, Ohio
Waite, Iva G. ....	Auburn
Wakeman, Gay .....	Colon
Walker, Ella M. ....	Marlette
Walker, M. Ethelyn .....	Almont
Walker, Ila M. ....	Ypsilanti
Wallace, Bessie .....	Manistee
Walling, Mrs. W. L. ....	Ypsilanti
Walling, W. L. ....	Ypsilanti
Ward, Clara .....	Grand Rapids
Warne, G. H. ....	Newberry
Warner, Emma R. ....	Alto
Warner, Wm. E. ....	Detroit
Waterman, Leone .....	Ypsilanti
Watrous, Nellie A. ....	Grand Rapids
Watson, Clara .....	Sparta
Watson, Lou .....	Sac City, Iowa
Weiland, Mae .....	Troy, Ohio
Weitbrecht, Emma C. ....	Ann Arbor
Welch, Katherine M. ....	Port Huron
Welch, Mary .....	Grand Rapids
Wells, Morton G. ....	Byron Center
West, Thomas Lawrence .....	Deckerville
Westgate, Cora B. ....	Hillsdale
Whalian, Mary E. ....	Chelsea
Wheeler, Alice M. ....	Ypsilanti
Wheeler, Francis J. ....	Ypsilanti
Wheelock, Ethel .....	Saranac
Whitcomb, L. P. ....	Ypsilanti
White, Maud .....	Flint
Whiteley, Katherine Klyde .....	Greenville, Ohio
Wickman, Mary .....	Hanover
Wiggers, J. Albertus .....	Zeeland
Wilcox, Estella Ethel. ....	Millington
Wilcox, Grace .....	Bellaire
Will, Pearl E. ....	Mendon
Williams, Anna R. ....	Delray
Williams, Winifred .....	Plymouth

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Williamson, Anna O. H.....	Baltimore, Md.
Williamson, Eva W.....	Madison, Ind.
Williamson, M. O. H.....	Washington, D. C.
Willman, E. J.....	Montague
Wilmarth, Lena A.....	Quincy
Wilsey, Myrta M.....	Milwaukee, Wis.
Wilson, Bess.....	Ottawa, Ohio
Wilson, Catherine.....	Jackson
Wilson, Elizabeth.....	Ypsilanti
Wilson, E. E.....	Midland
Wilson, G. E.....	Coldwater
Wilson, Ruby M.....	Crown Point, Ind.
Wilson, S. R.....	Union City
Wilson, Theo.....	Ypsilanti
Wilton, Anna L.....	Portland
Withey, Estelle V.....	Marshall
Wixom, Mary.....	Avoca
Wood, Angie.....	Charlevoix
Wood, Clara.....	Grand Rapids
Wood, Frank A.....	Matherton
Wood, Pearl.....	Gaines
Woodard, Lena May.....	Akron, Ohio
Woods, Edward R.....	Dutton
Woods, Imogene A.....	Berlin
Woods, Margaret E.....	Berlin
Woodward, Nellie.....	Elsie
Yeazel, Florence.....	Troy, Ohio
Yoh, Zelma.....	Van Wert, Ohio
Young, Eda Z.....	Montgomery
Young, Jessie.....	Adrian
Young, R. A.....	Onaway
Zach, Mabel W.....	Ypsilanti
Zelner, Edna M.....	Harbor Springs

# List of Graduates, 1904-5

December, 1904

## LIFE CERTIFICATE

Ackley, Hazel .....	Litchfield
Baer, Emma M. ....	Hillsdale
Conklin, Rena P. ....	Charlotte
Cunningham, Edith L. ....	Marlette
Dixon, Esther. ....	Milan, O.
Harper, Florence. ....	Grand Rapids
Garratt, LaVerne .....	Watervliet
German, Carrie B. ....	Ypsilanti
Heesen, Mary Grace. ....	Tecumseh
Howard, Cornelia. ....	Ypsilanti
Henley, Ellon. ....	Jackson
Kirby, William G., Jr. ....	Ann Arbor
Knowles, Clara M. ....	Ludington
Knevels, Madge. ....	Clare
Kysor, Dana. ....	Kalamazoo
Lennox, Abbie Leone. ....	Millington
Lindsay, Ida. ....	St. Clair
Lonyo, Daisy. ....	Detroit
McDonald, Catherine. ....	Au Sable
Ross, Agnes. ....	Battle Creek
Smith, Myrtie .....	Durand
Sweetland, Elma J. ....	Saline
Wallace, Jessie E. ....	Ann Arbor
Winter, Kathryn K. ....	Niles
Wilson, U. Stanley. ....	Hanover

December, 1904

## GRADED SCHOOL CERTIFICATE

Adams, Ella. ....	Ewart
Barnum, Milly E. ....	Iron River
Cornish, Mildred .....	Lawton
Ferrigan, Gertrude. ....	Milford
Kent, Cornelia. ....	Benton Harbor
Morton, Minnie. ....	Marlette

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Rieve, Verna.....	Grand Ledge
Shields, Madge.....	Marlette
Snowball Lizzie.....	Milan
Tracy, Anna.....	Grand Rapids

## DEGREE B. Pd.

Josenhans, Reinhold J.....	Allegan
Newton, Bertha.....	Carson City
Wheeler, Francis J.....	Ypsilanti

## DEGREE, M. Pd.

Randall, Ray.....	Homer
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March, 1905

## LIFE CERTIFICATE

Alexander, Effie.....	Addison
Austin, Grace.....	Chesaning
Bryant, Myrtis Lorinda.....	Cheboygan
Dennis, Rose B.....	Decatur
Doench, Katherine.....	Sault Ste. Marie
Dunstall, Agatha.....	Maple Rapids
Gage, Nina.....	Green Oak
Hobbs, Grace.....	Kalkaska
Hurst, Jennie B.....	Henderson
Misener, Agnes.....	Flint
O'Brien, Edward L.....	Berrien Center
Oloff, Minnie.....	Clio
Peters, Stella.....	Petersburg
Pittman, Mrs. Lila.....	Geneva
Poorman, Clara.....	Marcellus
Sweetland, Nina L.....	Saline
Thornton, James K.....	Milan
Troub, Mrs. Minnie.....	Ypsilanti
Williams, Charlotte.....	Plymouth
White, Bertha Lois.....	Newaygo

## LIMITED CERTIFICATE

Fulton, Leone.....	Marcellus
Scott, Eula.....	Lawton
*Whalian, Amy.....	Chelsea

\*Deceased.

June, 1905

## LIFE CERTIFICATE

Allen, Eloise L.....	Milan
Angell, Z. Estelle.....	Novi
Arnold, Louise.....	Saginaw
Barber, Mabel C.....	Plainwell
Bath, W. H.....	Monroeville
Bechtold, Katie M.....	Bellaire
Becker, Grace.....	Dexter
Beedle, Bessie.....	Tory, O.
Benedict, Pearl.....	Ypsilanti
Betteys, Mildred L.....	Oxford
Black, Isabella.....	St. Clair
Blue, Bernice L.....	White Pigeon
Bolles, Cornelia.....	Marshall
Bond, E. Gertrude.....	St. Johns
Bornor, Ina A.....	Albion
Brown, Bess A.....	Clinton
Brown, Emma N.....	Richland
Burke, E. A.....	New Boston
Burpee, Belle.....	Harbor Springs
Campbell, Mary E.....	Fenton
Carlisle, Ethel.....	Shelby
Carolin, Eva N.....	Detroit
Carpenter, Mary S.....	Jackson
Champion, Deda E.....	Three Rivers
Cole, Eva C.....	Schoolcraft
Collins, Florence.....	Gregory
Connor, Olive.....	Ann Arbor
Cook, Eliza H.....	Owosso
Cooley, Herbert C.....	Hudson
Corazzi, Grace.....	Ypsilanti
Coulson, Blanche.....	Brooklyn
Coy, Florence A.....	Mason
Cross, Mabel L.....	Ypsilanti
Dansingburg, Eva H.....	Ypsilanti
Demorest, Edith A.....	Belding
Dean, Susie.....	Ypsilanti
Dunham, Blanche.....	Ypsilanti
Dunlap, Almira.....	Oxford
Egeler, Ethel E.....	Wayne

Erb, Grace I.	Grand Rapids
Evans, Oren F.	Shelby
Erickson, Helen	Whitehall
Erwine, Florence	Schoolcraft
Estabrook, Eudora	Grand Rapids
Fiske, Anna L.	Adrian
Ferrigan, Gertrude	Milford
Ferris, Fannie	Eaton Rapids
Foster, George S.	Keeler
Frank, Grace	Wayne
Ganguess, Frieda	Brighton
Garvey, Minnie	Ludington
Gehman, Emma L.	Vermontville
Gibbs, A. Bruce	Portland
Goetz, Olga	Grand Rapids
Goodreau, Mayme I.	Michigamme
Goodson, Laura	Bay City
Gough, Georgette	Adrian
Haas, Verna	Constantine
Harrison, Charles	St. Louis
Harrington, Marguerite	Kearsarge
Hawks, Alice	Dowagiac
Hayden, Grace	Paw Paw
Helm, Pearl	Pewamo
Herald, Roy	South Lyon
Hill, Mattie B.	Plainwell
Hinchey, Dede	Pinckney
Hollister, Mabel	Tecumseh
Holman, May	Rockland
Howard, Abbie E.	Vernon
Howland, Katherine E.	Sebewa
Hoyt, Lucile	Ypsilanti
Hubbard, Mabel	Clarkston
Hummel, Linda L.	Ridgetown, Ont.
Hyames, Alson	Gobleville
Jackson, Wilma	Ovid
Jarvis, Genevieve	Otsego
Jones, Harry P.	Marcellus
Kauszler, Nora	White Pigeon
Kay, Jennie M.	Brooklyn
Keeler, R. F.	Detroit
Kern, L. Gertrude	Ypsilanti

Kelley, Bessie .....	Milan, O.
Kelley, James J. ....	Carlton
Kepler, Frank R. ....	Saginaw, W. S.
Kingsley, Loretta .....	Flint
Knapp, Lena .....	North Adams
Kellogg, Myrta M. ....	Leroy
Kyle, Erma M. ....	Ypsilanti
Lake, James G. ....	Sault Ste. Marie
Lawton, Dora .....	St. Johns
Lasher, Bertha .....	Fowlerville
Lamport, Mary .....	Leslie
Lee, Jessie .....	Ionia
Leeder, Joseph Arden .....	South Haven
Little, Lucy .....	Kalamazoo
Linebaugh, Calvin .....	Portland
Lord, Mary A. ....	Albion
Lott, Florence, J. ....	Elk Rapids
Lyons, Agatha F. ....	Michigamme
Lyon, Rubena N. ....	Watertown, N. Y.
McClatchie, Myrtle .....	Ludington
McCurdy, Della .....	Troy, O.
McDonald, Philip .....	Peshtigo, Wis.
McKillop, Nellie .....	North Branch
McMath, Ellena J. ....	Leslie
McNamara, Catherine .....	St. Ignace
McNamara, Mildred .....	Howell
McNeil, Mary .....	Manistique
Marshall, Savannah .....	Troy, O.
Mellencamp, F. A. ....	Grass Lake
Mickam, Ina I. ....	Grand Rapids
Mills, Ella B. ....	Ann Arbor
Montgomery, Etta .....	Ionia
Morris, Rose A. ....	Cross Village
Morse, Florence C. ....	Metamora
Moss, Augusta .....	Albion
Mowry, Guy L. ....	Wixom
Murtha, Sara Mildred .....	Shepherd
Neuman, Freedon, .....	Calumet
Newell, Florence E. ....	Ypsilanti
Noble, Cecelia .....	Lowell
Osborn, Mieda B. ....	Kalamazoo
Preble, Edward F. ....	Niles

Patrick, Edith .....	Palo
Patrick, Lura Bel.....	Allegan
Pattee, Blanche E.....	Morenci
Peacock, Louise .....	Corunna
Pettitt, Anna .....	Benzonla
Phillipps, Maybelle .....	Pontiac
Plowman, Rex .....	Iron Mountain
Pope, Antoinette .....	Vermontville
Poste, Maud E.....	Constantine
Priest, Helen H.....	Evart
Pullman, Mildred .....	Big Rapids
Raidle, A. E.....	Charlotte
Reed, J. Lewis.....	Howell
Reese, E. A.....	Bloomingle
Reynolds, Emma H.....	Rives Junction
Riker, Reva .....	Portland
Roper, Vida Bell.....	Redford
Royce, Mabel L.....	Sault Ste. Marie
Rudd, Allura L.....	Ann Arbor
Rutherford, Ezra .....	Decatur
Sargent, Bernice .....	Ypsilanti
Schaaf, Emma N.....	Petoskey
Schmidt, Sara .....	Fenton
Sheldon, Hetty .....	St. Clair
Silver, Myrtle .....	Ludington
Skinner, Mamie.....	Bad Axe
Slattery, Margaret .....	Jackson
Smith, Ollie E.....	Big Rapids
Smith, Velma Rosella.....	Lansing
Stebbins, Elva E.....	Ionia
Stendel, Laura C.....	Wayne
Stepan, Lucille.....	Traverse City
Stirling, Helen.....	Eaton Rapids
Stone, Bessie E .....	Charlotte
Strahle, Mabel .....	Owosso
Sturm, Ruth .....	Saline
Surine, Mary .....	Chesaning
Sweet, Clara .....	Ypsilanti
Templeton, Grace E.....	Ionia
Thacker, M. Eva.....	Elk Rapids
Thomas, Grover .....	Ypsilanti
Trathen, Sidney P.....	Houghton



Travis, Martin B.....	Clarkston
Upthegrove, Clare.....	Central Lake
VanDeman, Harriet.....	Benzonia
Vorce, Clara.....	Ypsilanti
Washington, Violet.....	Flint
Watson, Maude.....	Three Oaks
Westphal, Alma V.....	Three Rivers
Wheater, Lillian G.....	Plainwell
Widoe, Iva.....	Hart
Wiggers, J. Albertus.....	Zeeland
Wilcox, Edna.....	Bellaire
Willey, Edna F.....	Ypsilanti
Wilcox, Julia H.....	Utica
*Willits, Estella.....	New Haven
Wilson, Theo.....	Ypsilanti
Wortman, Lizzie.....	Fenton
Wright, Ina F.....	Port Huron
Young, Ina B.....	Otsego
Wood, Vivian Brooks.....	Bangor
Woodward, Beatrice.....	Port Huron

#### GRADED SCHOOL CERTIFICATE

Abbott, Eva.....	Oxford
Bement, Wilhelmina.....	Mason
Elkins, Blanche.....	Rockford
Hoover, Maud.....	Troy, O.
McGuinness, Maud.....	Hastings
Mishler, Janet.....	Elkhart, Ind.
Rekart, Lucy M.....	New Lathrop
Simonson, Sophie.....	Whitehall
Travis, Mrytle.....	Clarkston
Tyrrell Maud E.....	Reading
Wellington, Gertrude.....	St. Johns

#### RURAL SCHOOL CERTIFICATE

Beeman, Benjamin.....	Williamston
Becker, Alma.....	Dexter
Cooper, Grace.....	Howell
Dickey, Pearl.....	Albion
Townsend, Ethel.....	Almont

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\*Deceased.

## DEGREE B. Pd.

Andrews, Frank E.....	Detroit
Address, Mace .....	Chesaning
Carpenter, Clifford D.....	Bronson
Clark, Esther M.....	Laingsburg
Greene, Clawrence W.....	Albion
Jensen, Frank .....	Pentwater
Knevets, Madge .....	Clare
Lambie, Anna .....	Ypsilanti
Phillips, Memie .....	Midland
Reed, Alice E., B. L.....	Big Rapids
Sheppard, Chester A.....	Fremont
Tripp, Clarence S.....	Ypsilanti
Tripp, Etta Gilbert.....	Ypsilanti
Wilcox, F. Eugene.....	Chelsea
Whitney, Edward.....	Port Sanilac

## DEGREE A. B.

Address, Mace .....	Chesaning
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August, 1905

## LIFE CERTIFICATE

Abel, Greta .....	Ypsilanti
Brown, C F.....	Ionia
Bucklin, Edith .....	Olivet
Carr, Clara L.....	Dundee
Chapman, Irene .....	Ypsilanti
Clapp, Susiana .....	Owosso
Cook, Amelia .....	Edmore
Cornish, Hubert R.....	Saginaw
Covert, Milford W.....	Ypsilanti
Deam, Effie .....	Niles
Dean, Jeanette .....	Girard
Eldred, Foss O. ....	Colon
Emendorfer, Eva .....	Saginaw
Fast, L. W. ....	Sparta
Fletcher, Rachel .....	Ypsilanti
Harrison, Maizie .....	St. Louis
Heitsch, Mae .....	Pontiac
Hicks, Curry S.....	Eaton Rapids
Higgins, Stella .....	Bellevue
Holman, May .....	Rockland

Hoogenstyn, Edith .....	Holland
Hunter, Minnie .....	Ovid
Krebs, Bessie .....	Charlotte
Lockwood, Margaret .....	Pittsford
Long, Elsie A. ....	Coldwater
Marshall, Mae E. ....	South Lyon
Merrill, Wilma .....	Benton Harbor
Mitchell, Maude M. ....	Opechee
Morgan, Jessie .....	Sodus
McGuinness, Elizabeth .....	Dexter
Nicholas, Carrie .....	Jackson
Olney, Clare .....	Leonidas
Pimlott, Irene .....	Detroit
Purcell, Lida .....	Iron River
Randall, Alice M. ....	Utica
Romig, Lee V. ....	Dundee
Rosewarne, Lura .....	Marcellus
Rush, Nettie E. ....	Owosso
Sisman, Elsie .....	Port Huron
Spencer, Zoe .....	Linden
Struble, Mrs. Mabel S. ....	Ypsilanti
Van Houten, Alice. ....	Flat Rock
Van Houten, Nettie. ....	Portland
Wallace, Bessie E. ....	Manistee
Walling, Wilder LeVerne. ....	Ypsilanti
Watrous, Nellie A. ....	Grand Rapids
Watson, Clara M. ....	Three Oaks
Wilson, Sherman R. ....	Union City
Wilsey, Myrta M. ....	Milwaukee, Wis.
Wilcox, Grace M. ....	Bellaire

#### GRADED SCHOOL CERTIFICATE

Abbott, M. Anna. ....	Ovid
Atkinson, Winifred .....	Niles
Baird, Nellie A. ....	Brown City
Barnard, Flora .....	Coldwater
Becker, Mrs. M. Marie. ....	Weston
Brown, Lora A. ....	Battle Creek
Burden, Lillie F. ....	Flat Rock
Colby, Nellie .....	Eaton Rapids
Davison, Ethel .....	Detroit
De Boer, Charles. ....	Grand Haven

Duddles, Charlotte .....	Ashton
Foght, A. Marjie.....	Lake Odessa
Foster, Zora A.....	Benton Harbor
Hall, Frances E.....	Oscoda
Hall, Ruth .....	Bay City
Hess, Barbara .....	Elsie
Hosmer, Lena E.....	Bellaire
Jennings, Sarah .....	Eaton Rapids
Johnson, Lillian .....	Ewart
Kenzler, Alice .....	Saginaw
King, Viola .....	Eau Claire
Kohn, Margaret .....	Belding
Medill, Alice .....	Sault Ste. Marie
Munn, Lena .....	Eaton Rapids
McCarty, S. Eleanor.....	Grand Junction
Newberry, Marie A.....	Dundee
Pearson, Emma .....	Calumet
Pease, Addie M.....	Burr Oak
Peterson, Bertha A.....	Marine City
Priest, Antoinette .....	Ewart
Reason, Mae C.....	Pinckney
Stanley, Laura .....	Cadillac
Sanford, Nellie B.....	Onondaga
Sharpe, Martha .....	Big Rapids
Strong, Katherine .....	Battle Creek
Treiber, Emma E.....	Niles
Wagg, Manda A.....	Marine City
Wood, Angie .....	Charlevoix
Zelner, Edna M.....	Harbor Springs

## RURAL SCHOOL CERTIFICATE

Bryan, Harry .....	Mt. Morris
Schriner, Bertha .....	Marine City
Kemler, Flossie .....	Eaton Rapids

## CONSERVATORY OF MUSIC

Herron, Edith .....	Port Huron
Nixon, Rose .....	Bellaire

## DEGREE P. Pd.

Brown, C. F.....	Ionia
Farmer, A. E. ....	Pontiac

Kysor, Dana .....	Kalamazoo
McCreery, Lulu F.....	St. Johns
Rice, Harry E.....	Big Rapids
Rivett, Byron J.....	Homer
Wiggers, J. Albertus.....	Zeeland

## Table Showing Attendance by Counties and other States for the year 1905-1906

(NOTE—These figures do not include the enrollment for the summer term).

Alcona .....	Iosco .....	11
Alger .....	1 Iron .....	1
Allegan .....	20 Isabella .....	1
Alpena .....	Jackson .....	27
Antrim .....	9 Kalamazoo .....	6
Arenac .....	Kalkaska .....	
Baraga .....	Kent .....	40
Barry .....	7 Keweenaw .....	
Bay .....	14 Lake .....	
Benzie .....	1 Lapeer .....	17
Berrien .....	21 Leelenaw .....	
Branch .....	17 Lenawee .....	24
Calhoun .....	21 Livingston .....	28
Cass .....	5 Luce.....	
Charlevoix .....	2 Mackinaw .....	8
Cheboygan .....	2 Macomb .....	29
Chippewa .....	2 Manistee .....	4
Clare .....	Marquette .....	5
Clinton .....	19 Mason .....	8
Crawford .....	Mecosta .....	2
Delta .....	1 Menominee .....	
Dickinson .....	2 Midland .....	1
Eaton .....	27 Missaukee .....	1
Emmet .....	7 Monroe .....	16
Genesee .....	22 Montcalm .....	10
Gladwin .....	Montgomery .....	
Gogebic .....	Muskegon .....	5
Gd. Traverse .....	2 Newago .....	10
Gratiot .....	7 Oakland .....	44
Hillsdale .....	18 Oceana .....	14
Houghton .....	24 Ogemaw .....	
Huron .....	8 Ontonagon .....	6
Ingham .....	33 Osceola .....	15
Ionia .....	26 Oscoda .....	2

Otsego .....	1	St. Clair .....	14
Ottawa .....	17	St. Joseph .....	20
Presque Isle .....	3	Tuscola .....	13
Roscommon .....		Van Buren .....	19
Saginaw .....	9	Washtenaw .....	182
Sanilac .....	13	Wayne .....	86
Schoolcraft .....	3	Wexford .....	6
Shiawassee .....	20		

## OTHER STATES

Arkansas .....	2	Montana .....	6
Chili, S. A. ....	1	Nebraska .....	1
Colorado .....	1	New York .....	3
Hawaii, S. I. ....	1	Ontario .....	3
Illinois .....	7	Ohio .....	33
Iowa .....	1	Pennsylvania .....	1
Indiana .....	4	South Dakota .....	2
Louisiana .....	1	Washington .....	1
Massachussetts .....	1	Wisconsin .....	1

## Statistics for 1905-1906

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Enrollment in Normal College proper for the college year to date, March 8, 1906.....	1139
Number entering this year for the first time.....	521
Number of above received on diploma.....	480
Number of preparatory students.....	25
Number of students in Conservatory of Music.....	210
Number of candidates for degree B. Pd. in residence..	24
Number of counties sending students (see table p.239)	67
Number of counties not represented.....	16
Number who have taught.....	512
Number enrolled in summer term of 1905.....	932
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
	2071
Deduct counted twice.....	134
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
Total attendance to date, March 8, 1906, for the year beginning July 1, 1905, not including the spring quarter nor number enrolled in Training School...	1937
Pupils enrolled in Training School:	
Kindergarten .....	89
First grade .....	34
Second grade .....	42
Third grade .....	40
Fourth grade .....	45
Fifth grade .....	54
Sixth grade .....	44
Seventh grade .....	41
Eighth grade .....	43
High School Department.....	61
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
Total in Training School.....	493
	<hr style="width: 10%; margin-left: auto; margin-right: 0;"/>
Total attendance in College and Training School.....	2430



## Directory, 1906-1907

JONES, L. H., A.M., 730 Forest Avenue.

Barbour, Florus A., A.M.	704 Pearl St.
Blount, Alma, Ph.D.	520 Hamilton St.
Boardman, Alice I.	116 Hamilton St.
Bowen, W. P., M.S., B.Pd.	203 Brower St.
Buell, Bertha L., B.L.	429 Adams St.
Burton, Fannie Cheever, M.Pd.	517 Adams St.
Childs, H. Ethel.	Forest Ave. East
Clark, Inez.	517 Adams St.
Cook, Edna	109 S. Huron
Davis, Darrel H., A.B.	310 Hamilton St.
Derby, Mary, A.B.	316 Congress St.
D'Ooge, Benjamin L., A.M., Ph.D.	420 Forest Ave.
Downing, Estelle, A.B.	429 Adams St.
Fleischer, Ida, Ph.D.	508 Brower St.
Ford, R. Clyde, Ph.D.	505 Chicago Ave.
Foster, Clyde E.	418 Florence St.
Fuller, Grace	111 Normal St.
Gardner, Emelyn E., A.B.	220 Huron St.
Garner, Lota H.	411 Pearl St.
Goddard, Mary A., A.B.	516 Adams St.
Goodison, Bertha.	317 Huron St.
Gorton, Frederick R., Ph. D.	512 Forest Ave.
Harvey, Nathan A., Ph.D.	223 Summit St.
Herrick, Lydia L.	429 Adams St.
Hoyt, Charles O., A.B., Ph.D.	318 Congress St.
Jackson, Adella	105 Normal St.
Jefferson, Mark S. W., A.M.	14 Normal St.
Jensen, Frank	95 Oakwood Ave.
King, Julia Anne, A.M., M.Pd.	611 Pearl St.
Kneip, Helene.	213 Michigan St.
Laird, S. B., B.Pd., M.S.	318 Forest Ave.
Lathers, J. Stuart, B.L.	416 Olive St.
Lee, Jessie.	502 Cross St.
Lombard, Mary Joy, B.L.	520 Hamilton St.
Lyman, Elmer A., A.B.	126 Washington St.
Lynch, Abigail	217 Washington St.

McLellan Elisabeth B .....	211 N. Huron
Magers, S. D., M.S. ....	9 S. Summit St.
Master, Mary M. ....	316 Congress St.
Muir, Helen B. ....	614 Cross St.
Norris, Orland O. ....	315 Cross St.
Norton, Ada A., Ph.M. ....	510 Pearl St.
Olmsted, Annie H. ....	220 Huron St.
Pearce, Abigail, PhB., B.Pd. ....	410 Emmet St.
Pease, Frederic H. ....	43 Summit St.
Peet, B. W., M.S. ....	510 Emmet St.
Phelps, Jessie, M.S. ....	429 Adams St.
Putnam, Daniel, A.M., LL.D. ....	314 Forest Ave.
Putnam, Mary B., Ph.B., B.Pd. ....	314 Forest Ave.
Putnam, Ruth. ....	314 Forest Ave.
Reinhold, Robert M. ....	717 Cross St.
Roberts, Dimon H., A.M. ....	307 Congress St.
Roe, Abigail. ....	220 Huron St.
Sherzer, William H., M.S., Ph.D. ....	9 S. Summit St.
Shultes, Florence, B.Pd. ....	210 Washington St.
Steagall, Mary M., Ed.B. ....	301 Washington St.
Steimle, Clemens P. ....	201 Washington St.
Stone, John C., A. M. ....	501 Adams St.
Stowe, Hester P. ....	220 Huron St.
Strong, Edwin A., A.M. ....	127 Normal St.
Towner, Caroline L. ....	303 Huron St.
White, Minor E. ....	727 Chicago Ave.
Wilson, Ella M. ....	1 Summit St.
Wise, Margaret E. ....	18 Adams St.

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