

1-1-1913

Bulletin 39 - Summer Session 1913

Eastern Illinois University

Follow this and additional works at: http://thekeep.eiu.edu/eiu_bulletin

Recommended Citation

Eastern Illinois University, "Bulletin 39 - Summer Session 1913" (1913). *Eastern Illinois University Bulletin*. 141.
http://thekeep.eiu.edu/eiu_bulletin/141

This Article is brought to you for free and open access by the University Publications at The Keep. It has been accepted for inclusion in Eastern Illinois University Bulletin by an authorized administrator of The Keep. For more information, please contact tabruns@eiu.edu.

THE NORMAL SCHOOL BULLETIN
JANUARY FIRST, NINETEEN HUNDRED THIRTEEN

ANNOUNCEMENT
OF
THE EASTERN ILLINOIS
STATE NORMAL
SCHOOL

Summer
Session
1913

CHARLESTON, ILLINOIS



12/10/91

NORMAL SCHOOL BULLETIN

PUBLISHED BY THE EASTERN ILLINOIS STATE NORMAL SCHOOL

Entered March 5, 1902, as second-class matter at the post office, Charleston, Illinois, Act of Congress, July 16, 1894

CHARLESTON, ILLINOIS, JANUARY 1, 1913 No. 39

The School Calendar 1913 SUMMER TERM

June 16, Monday	Classification, Assembly Room
	9:00 a. m., 2:00 p. m., 4:00 p. m.	
June 17, Tuesday	Class Work Begins
July 25, Friday	Summer Term Ends

THE FACULTY

LIVINGSTON C. LORD, A. M., LL. D., President
Psychology and School Management

ANNA PIPER
Drawing

FRIEDERICH KOCH
Music

ELLEN A. FORD, A. M.
German and Algebra

THOMAS L. HANKINSON, B. S.
Biological Sciences

CAROLINE A. FORBES
Manual Training

ALBERT B. CROWE, A. M.
Physics

ISABEL McKINNEY, A. M.
English

FLORENCE SKEFFINGTON, A. B.
English

SIMEON E. THOMAS, A. M.
History

EDGAR N. TRANSEAU, Ph. D.
Biological Sciences

EVA SOUTHWORTH, B. S.
Geography

EDITH E. RAGAN
English

CHARLES P. LANTZ, B. S.
Gymnastics and Physiology

OLIVE A. SMITH, A. M.
History

RAYMOND L. MODESITT, A. M.
Mathematics

E. E. LEWIS, A. M.
Supervisor of Training Department

HOWARD DeF. WIDGER, A. B.
Reading

LEONARD E. DAVIS
Mathematics

ARTHUR T. FRENCH, A. M.
Mathematics

MRS. HELEN BALCH CULVER
Drawing and Manual Training

Grammar and Algebra

ETHEL RAUP
Critic Teacher in Primary School

SARAH E. CONLEY
Critic Teacher in Primary School

FLORENCE E. GARDINER
Critic Teacher in Primary School

GRACE GEDDES
Critic Teacher in Primary School

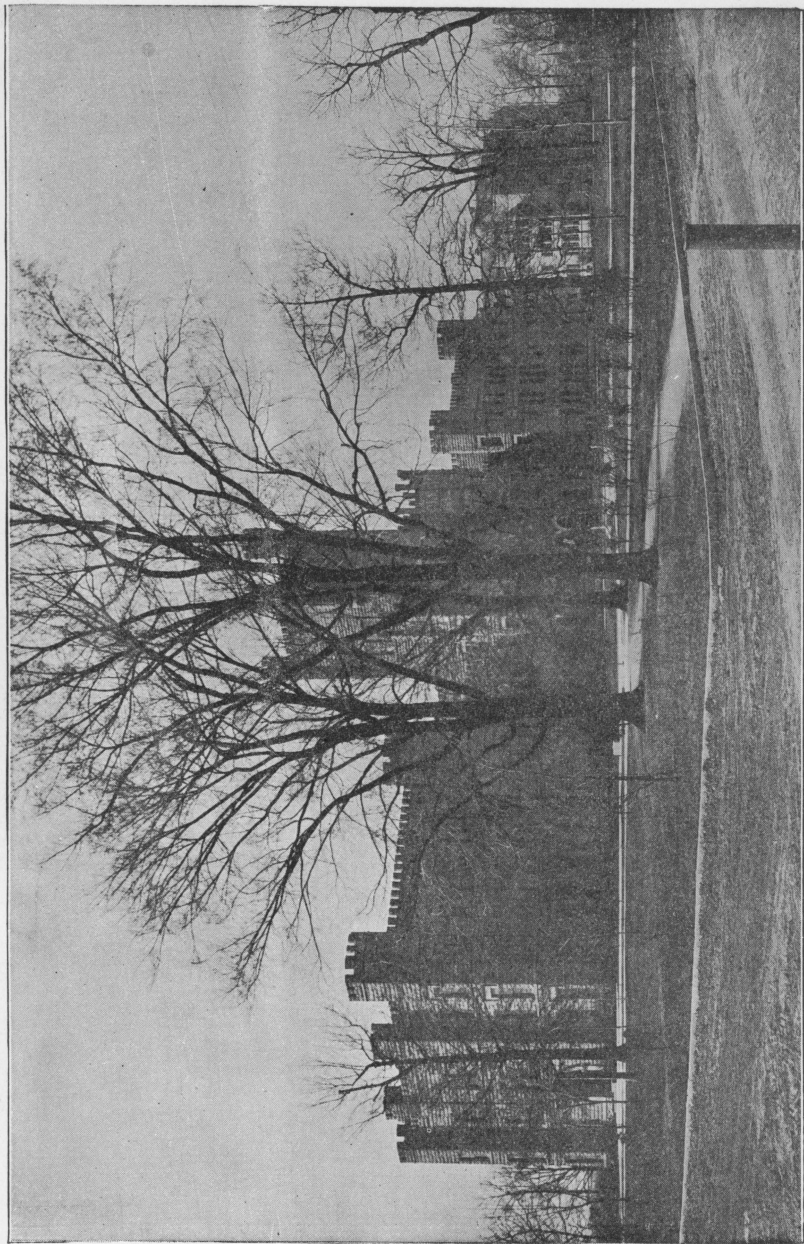
Librarian

ETHEL WEST
Assistant Librarian

GRACE EWALT
Registrar

MARY E. HAWKINS
Head of Pemberton Hall

WALTER NEHRLING
Gardener



THE EASTERN ILLINOIS STATE NORMAL SCHOOL

ANNOUNCEMENT

The summer courses at the Eastern Illinois State Normal School will open June 16 and close July 25. Provision has been made to meet the needs of three classes of students:

1. Those who have had experience in teaching and who wish to enlarge their professional or academic knowledge.
2. Those who are preparing to teach in schools that follow the Illinois Course of Study.
3. Those who wish to take regular work with a view to graduation from the Normal School.

ADVANCED COURSES

To teachers of experience, advanced work is offered in various studies and special opportunities are provided for observation in the grades.

THE ILLINOIS COURSE OF STUDY

The subject-matter and method suggested by the Illinois Course of Study will be presented. Classes will be formed in reading, grammar, arithmetic, geography, history and physiology, the purpose in each being to equip the student with materials which he can actually use in his teaching. Opportunity will also be afforded pupils to attend lectures on school government and to observe illustrative lessons in the Model School.

CREDITS ALLOWED

In those subjects of the regular curriculum for which two recitations a day are provided, credit is given for a full twelve weeks' term of work. In those subjects for which one recitation a day is provided, credit is given for half a term's work only, unless otherwise stated. No credit for graduation will be given for courses numbered 1, 2, 3, 7, 8, 11, 12, 22, 31, 39, 49, 51, 52, except by special permission of the instructor.

RAILROAD FACILITIES

Charleston can be reached from the most remote town in the district in six hours. From all stations along the Big Four or the Clover Leaf it can be reached in two hours or less. Trains on the Illinois Central make close connection at Mattoon; trains from the southeast make close connection at Lerna; trains from the north and south make close connection at Paris. There are ordinarily sixteen passenger trains arriving daily in Charleston—six on the Clover Leaf and ten on the Big Four. Students from Mattoon or Mattoon connections can, if they so desire, use the interurban electric line. Charleston is in almost the exact center of a great network of roads, two north and south crossing the district east of Charleston—one at Paris and one at Kansas; two crossing the district west of it—one at Mattoon and one at Windsor; one running close along the eastern border of the district; and one, the main line of the Illinois Central, running along the western border. An equal or greater number of roads cross the district from east to west, some of them north and some of them south of Charleston, several of them being trunk lines with numerous trains.

Pupils from Vermilion, Edgar, Crawford, and Lawrence counties, and from the eastern part of Cumberland and Jasper, reach Charleston from the east, connecting with the Big Four at either Paris or Kansas, or from the northeast over the Clover Leaf; those from Clay, Marion, Fayette, Effingham, Richland, and the western part of Cumberland and Jasper, and the southern part of Shelby, reach Charleston from the southwest over the Clover Leaf; those from Champaign, Moultrie, Macon, Christian, Montgomery, the northern half of Shelby, and the western half of Douglas, reach Charleston from the west over the Big Four.

An electric car line connects the Big Four and Clover Leaf railroad stations with the Normal School and crosses the interurban electric line at the public square.

FACILITIES

The location of the school is well adapted to summer work. Charleston is a beautiful and peculiarly healthful town; and the school building is cool and thoroughly ventilated by rotary fans. The library, new and well selected, has grown to be fully adequate to current needs of the school.

During the past few years extensive changes and improvements have been made in the several laboratories. Occupying the whole west end of the third floor, the enlarged botanical and zoological laboratories offer splendid opportunities for experimental work and verification of established facts of life.

The laboratories of physics and chemistry, which are directly under those of biology, are of equal size. Besides the best of apparatus, which is essential to higher work, there are many cheap and practical devices which with little trouble can be reproduced in the grade or country school.

The school is equipped with a four-inch equatorial telescope. During the summer school, students will be given an opportunity to observe some interesting astronomical objects. This is of special interest to teachers of geography.

THE LIBRARY

The library, containing over 16,400 volumes, is open to all summer school students. Exhibits of books on different subjects will be made. During the summer school of 1912, books on the following subjects were exhibited:

Fifty books for a country school library.

Books for teachers.

Books for grades 1 and 2.

Books on physical education and games.

Free material useful in the study of geography.

For those who wish to obtain titles of books suitable to buy for school libraries, lists selected by those familiar with children's books are provided.

A short course in the use of the library will be given if enough students enroll.

MANUAL TRAINING

The manual training room is well equipped with excellent benches and tools, from which those contemplating furnishing their own schools can get helpful suggestions.

WOMAN'S BUILDING

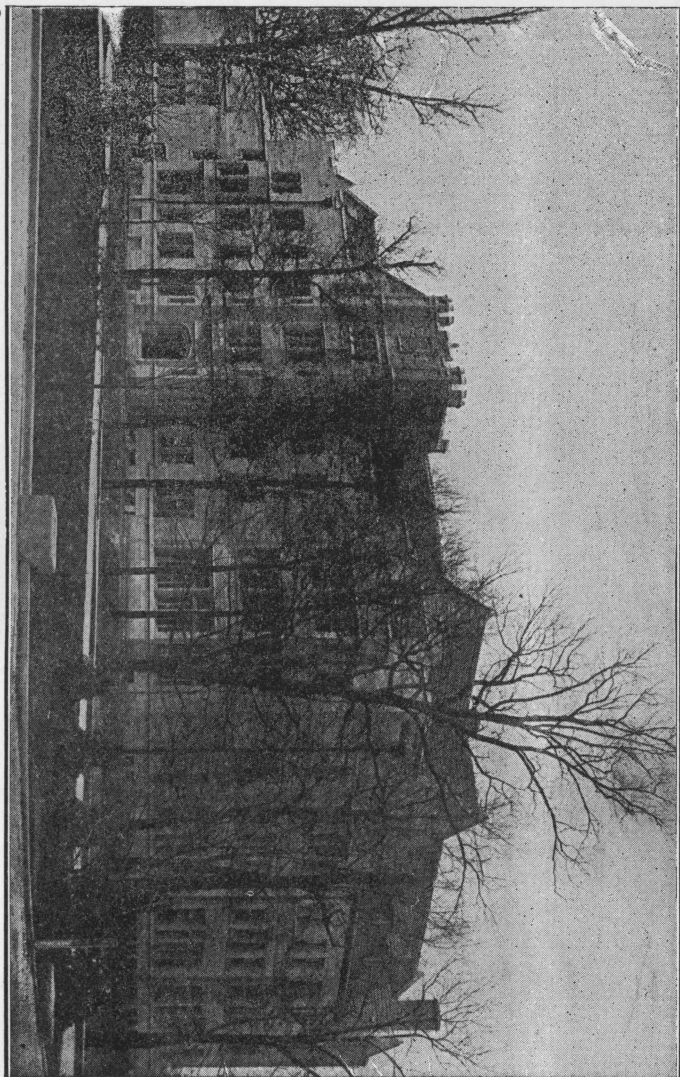
The accompanying cut and floor plans are of the woman's building finished and occupied January, 1909. Room and board can be secured in this building by one hundred teachers at four dollars a week, and board by about twenty-five more at three dollars a week. Applications for rooms will be filed in the order in which they are received. Those desiring rooms should write as early as possible, as the demand will be in excess of the number that can be accommodated.

GYMNASIUM

Adjoining the Woman's Building is the gymnasium, well equipped with Swedish apparatus, having stall-bars, climbing ropes and ladders, horizontal and vertical window ladders, jumping standards, vaulting box and horse, and two new Swedish booms; special 1910 models. It is well lighted and ventilated. Besides the best apparatus, there are separate dressing rooms with private lockers and numerous shower baths. For outdoor work there is a large athletic field with a quarter mile cinder track and a baseball diamond, field hockey and basketball grounds, and several tennis courts. The equipment of the gymnasium and play-ground will interest prospective teachers of physical education and the public school teachers who are seeking knowledge on this subject.

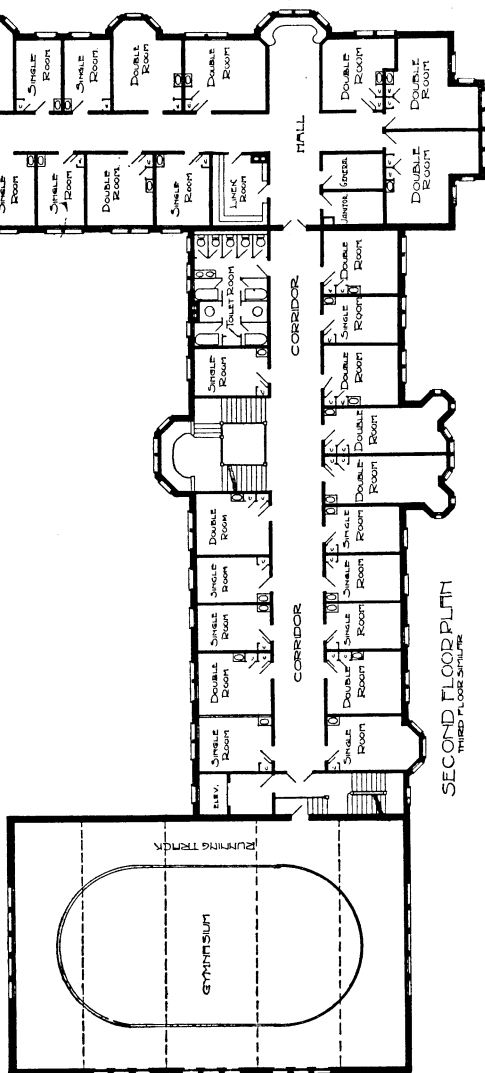
THE SCHOOL GARDEN

An opportunity is given for seeing the work done by



WOMAN'S BUILDING

DORMITORY FOR THE
EASTERN ILL. STATE NORMAL SCHOOL
AT CHARLESTON, ILLINOIS.
W. CARBYS ZIMMERMANN
STATE ARCHITECT
CHICAGO.



7:30-8:20	8:20-9:10	9:10-9:40	9:40-10:30	10:30-11:20
		Morning Exercises		
	Theory and Practice of Teaching R. 11 (1)		Model Schools	Model Schools
American History (4) R. 39	European History (5) R. 39		1st floor east Observation (2)	1st floor east Observation (2)
	Government (6) R. 30		History of Illinois (7) R. 30	
<i>Grammar</i> (11 b) R. 24	Rhetoric (13) R. 24			
<i>Grammar</i> (12 a) R. 33	<i>Grammar</i> (11 c) R. 33			
<i>Grammar</i> (11 a) R. 27	Rhetoric (14) R. 27		Shakespeare (15) R. 27	Prose Fiction (16) R. 27
Grammar (9) R. 40	Grammar (10) R. 40			
<i>Arithmetic</i> (31 c) R. 35	<i>Arithmetic</i> (31 b) R. 35			Geometry (36) R. 35
Arithmetic (30 a) R. 26	<i>Arithmetic</i> (31 a) R. 26		<i>Arithmetic</i> (31 d) R. 26	
Arithmetic (30 b) R. 23	Arithmetic (29) R. 23			
Algebra (33) R. 38			Algebra (32) R. 33	
	German (17) R. 38			German (18) R. 38
Reading (19) R. 29	Reading (20) R. 29			Reading (21) R. 29
Music (23) 3rd floor east	Music (24) 3rd floor east			Music (25) 3rd floor east
Drawing (26 a) 3rd floor east	Drawing (26 b) 3rd floor east		Drawing (27) 3rd floor east	
Geography (38) R. 25			Physiography (37) R. 25	
Physics (41) R. 36	Physics (40) R. 37		Physics (42) R. 37	Physics (43) R. 37
Botany I (44) 3rd floor west	Botany I (44) 3rd floor west		Botany II (45) 3rd floor west	Botany II (45) 3rd floor west
Zoology II (47) 3rd floor west	Zoology II (47) 3rd floor west		Physiology (48) 3rd floor west	Physiology (48) 3rd floor west
Woodwork (50 a) 3rd floor central	Woodwork (50 b) 3rd floor central			
	Weaving (49 a) R. 17		Weaving (49 b) R. 17	Weaving (49 c) R. 17

Courses in Italics are those following the Illinois Course of Study.
The number of the room is indicated in the lower left hand corner of each space.
The number in parentheses indicates the course as outlined in the body of the

AMME

11:20-12:10	2:00-2:50	2:50-3:40	3:40-4:30	4:30-5:20
Model Schools		Special Method (3)		
1st floor east		R. 11		
Observation (2)	American History (4) R. 39 <i>History</i> (8) R. 16			
	<i>Grammar</i> (12 b) R. 33			
	Grammar (9) R. 40	Grammar (10) R. 40		
	Geometry (34) R. 35	Geometry (35) R. 35		
	Arithmetic (30 a) R. 26			
	Arithmetic (30 b) R. 23	Arithmetic (29) R. 23		
	Algebra (33) R. 38	Algebra (32) R. 33		
		<i>Reading</i> (22) R. 29		
	Painting (28 a) 3rd floor east	Painting (28 b) 3rd floor east		
			<i>Geography</i> (39) R. 16	
	Zoology I (46) 3rd floor west	Zoology I (46) 3rd floor west		
			Athletics (51)	
		Weaving (49 d) R. 17		Gymnastics (52) Wed. and Fri.

pupils of the Model School in the way of elementary agriculture. Small plots of ground are planted and cared for by pupils under the direction of the gardener and the teachers. Connected with the students' garden are a model vegetable garden, a rose garden, and a garden for experimentation and exhibition purposes. All of these divisions are used for demonstrating the proper care of plants, the methods of propagation, crop rotation, and some of the principles of plant breeding.

An excellent four-room greenhouse contains many plants of unusual interest and serves, moreover, as an important adjunct to the botanical laboratories.

Additional facilities for field observations and for obtaining laboratory materials are offered by a small lake, a lily pond, and a forestry of six thousand trees, all of which are within five minutes' walk of the biological laboratories.

EXPENSES

No tuition is charged for the summer session to those who are to teach in Illinois. An incidental fee of one dollar, which is half that charged during the terms of the regular school year, covers all expenses in the zoological, botanical, physical, and chemical laboratories, in manual training, in the library, and in other departments of the school.

Board and room in the Woman's Building costs four dollars a week. In private families the cost is about the same. Committees from the Young Men's and Young Women's Christian Associations will assist students in selecting boarding places and rooms.

TEXTBOOKS

All necessary textbooks are rented to students of the summer school for one dollar. Students may, if they so desire, purchase their books at cost price.

ESTIMATED EXPENSES

Incidental fee.....	\$ 1.00
Book rent	1.00
Board for six weeks	18.00
Room for six weeks, two in a room, each ..	6.00
Laundry	3.00
<hr/>	
Total	\$29.00

ADMISSION

All teachers and persons expecting to teach next year are admitted without examination. Students who expect to continue in the Normal School are admitted in the usual way.

Enrollment of students will begin at nine o'clock Monday morning, June 16. Class work in the subjects offered will begin Tuesday morning, June 17.

COURSES OF STUDY

GENERAL METHOD

MR. LEWIS

COURSE 1.—THEORY AND PRACTICE OF TEACHING. This is a course treating the meaning of education, administrative and teaching method, types of instruction, and criticism and teaching in their mutual relation. Credit may be arranged for. One hour daily.

COURSE 2.—OBSERVATION. This course will consist of the observation and discussion of lessons taught by competent critic teachers in the first four grades. One hour daily.

THE TRAINING SCHOOL

Regular work in the first four grades of the Training School will be given during the forenoons throughout the entire summer session. Students enrolled in Course 2 will be given the privilege of visiting the grades at such times as their Normal School programmes will permit, provided the time of their visit does not interfere with the regular work of the grades. No record of attendance will be kept of these visits; the only record of attendance for observation that will be given, will be for those regularly enrolled in Course 2.

COURSE 3.—SPECIAL METHOD. This course will consist of a discussion of the problems of instruction and discipline pertaining to the primary and intermediate grades. Story-telling, dramatizing, nature study, music, constructive work, and the like, as applied to these grades, will be discussed with considerable thoroughness by the critic teachers. One hour daily.

HISTORY AND GOVERNMENT

MR. THOMAS and MISS SMITH

COURSES 4, 5 and 6 in history and government are somewhat elastic. Students may at their option arrange

for a full term's credit or a half term's credit, the difference being in the amount of written work and collateral reading required.

COURSE 4—SPECIAL PERIODS IN AMERICAN HISTORY. Miss Smith. The work is designed for advanced students. Two hours daily.

COURSE 5.—THE HISTORY OF EUROPE SINCE 1815. Miss Smith. One hour daily.

COURSE 6.—AMERICAN GOVERNMENT. Mr. Thomas. There will be a general survey of the subject with special reference to the meaning and tests of popular government. One hour daily.

COURSE 7.—THE HISTORY OF ILLINOIS. Mr. Thomas. The needs of teachers preparing for county examinations will be kept in mind in this course. One hour daily.

COURSE 8.—HISTORY IN THE ILLINOIS COURSE OF STUDY. Mr. Thomas. The subject-matter and methods suggested by the Illinois Course of Study are presented with a view to actual use in schools that follow this course. One hour daily.

ENGLISH

MISS SKEFFINGTON, MISS McKINNEY, MISS RAGAN, and _____

COURSE 9.—GRAMMAR. Miss Ragan. The elements of English grammar, including a study of the parts of speech and the simpler applications of syntax. The class will attempt to complete the first eight chapters in Gowdy's English Grammar, revised edition. Two hours daily.

COURSE 10.—GRAMMAR. Miss Ragan. The leading principles of syntax and some of their more difficult applications, together with parts of speech and inflection. The class will begin with chapter nine in Gowdy's English Grammar. Two hours daily.

COURSE 11.—GRAMMAR IN THE ILLINOIS COURSE OF STUDY. SEVENTH YEAR. THREE SECTIONS. Miss Skeffington, Miss McKinney, and _____. This course covers the same material as Course

9, according to the Illinois Course of Study. One hour daily.

COURSE 12.—GRAMMAR IN THE ILLINOIS COURSE OF STUDY. EIGHTH YEAR. TWO SECTIONS. ———. This course covers the same material as Course 10, according to the Illinois Course of Study. One hour daily.

COURSE 13.—ELEMENTARY COMPOSITION. METHODS AND PRACTICE. Miss McKinney. This course will include theme-writing, mostly narration and description, and also methods of teaching composition in the upper grades. Students attaining the requisite proficiency will be given credit for first term rhetoric. One hour daily.

COURSE 14.—RHETORIC. Miss Skeffington. This will be a course in exposition. Credit in second term rhetoric in the regular course will be given according to the grade of work done. One hour daily.

COURSE 15.—SHAKESPEARE. Miss Skeffington. Macbeth and As You Like It will be studied. Under certain conditions a student may secure a full credit for this course. One hour daily.

COURSE 16.—PROSE FICTION. Miss Skeffington. This will be an introductory course in English prose fiction. If desirable, the work will be based on the novels included in the college entrance requirements. One hour daily.

GERMAN **MISS FORD**

COURSE 17.—BEGINNING GERMAN. The class will study the first twenty-five lessons in Bacon's German Grammar. One hour daily.

COURSE 18.—GERMAN TRANSLATION. This course is open to those who have had some work in elementary German. The work will be based on Bacon's Im Vaterland and will include translation, a resume in German of each selection, the understanding of simple stories told in German, and the memorizing of German poems. One hour daily.

READING**MR. WIDGER**

The four courses in reading are planned for the benefit of two groups of students—the public school teacher and the under-graduate student. Course 19 is the elementary course; all students who contemplate taking reading but have had no previous training are advised to elect this course. Courses 20 and 21 are planned primarily for the grade teacher and the advanced student.

COURSE 19.—ELEMENTARY READING. The principles of silent and oral reading, grouping, speed, eye movements, imagery, articulation, enunciation. One hour daily.

COURSE 20.—METHODS. An intensive study of selections read by pupils in the grades. Suggestions for the home study of the reading lesson, seat work for reading, dramatizing of stories, reading for speed, devices. One hour daily.

COURSE 21.—POETRY. Advanced Reading. Poetry read as poetry. Appreciation of poetry. Rhythm, melody, sound, etc. Such poems as "The Vision of Sir Launfal," "Snowbound," "The Idylls of the King" will be read. One hour daily.

COURSE 22.—ILLINOIS COURSE OF STUDY. Special work on the material found in the Illinois Course of Study with practice in oral reading. The Course of Study publication will be used in this class. One hour daily.

MUSIC**MR. KOCH**

Course 23.—ELEMENTARY SIGHT SINGING. Study of major scales, intervals, staff degrees, rhythm, note values, pitch names, key signatures, and chromatics. One and two part songs. One hour daily.

COURSE 24.—ADVANCED SIGHT SINGING. Three and four part songs and elementary harmony. Prerequisite: Course 23. One hour daily.

COURSE 25.—METHODS. The purpose of this course is to prepare the student for teaching music in the grades. Study of the child voice and of material used in the grades. Prerequisites: Courses 23 and 24. One hour daily.

A Glee Club will be organized if it seems desirable.

DRAWING

MISS PIPER and MRS. CULVER

COURSE 26.—DRAWING. TWO SECTIONS. Miss Piper. The elementary course will include work from simple outline of still-life to the more finished form in light and shade. Landscape will be studied first from pictures, later from the window and out of doors. Special attention is given throughout the course to composition. One hour daily.

COURSE 27.—DRAWING. Miss Piper. The features of the first course are here taken up in more advanced stages, together with cast drawings. One hour daily.

COURSE 28.—PAINTING. TWO SECTIONS. Mrs. Culver. Water colors will be used in the third course in the more elementary way before attempt is made on flowers and landscape. One hour daily.

MATHEMATICS

MR. MODESITT, MR. FRENCH, MISS FORD, MR. DAVIS

COURSE 29.—ARITHMETIC. Mr. Davis. The work of this course includes notation, numeration, the fundamental operations with integers and with common and decimal fractions, factors and multiples, the English and metric systems of weights and measures, involution and evolution, and some elementary problems in the measurement of surfaces and solids. Two hours daily.

COURSE 30.—ARITHMETIC. TWO SECTIONS. Mr. Modesitt and Mr. Davis. The principal topics discussed are ratio and proportion and their application to some simple problems of physics and geometry, mensura-

tion, percentage and its application to practical business problems. Two hours daily.

COURSE 31.—METHODS IN ARITHMETIC. FOUR SECTIONS. Mr. Modesitt and Mr. French. The work of this course will be mainly the discussion of the work in arithmetic outlined in the Illinois Course of Study. The work of the first six grades will be discussed in one section, and the work of the seventh and eighth grades in the other sections. One hour daily.

COURSE 32.—ALGEBRA. ———. This course covers algebraic notation, the fundamental operations, factoring, involution and evolution, highest common factor, lowest common multiple, and fractions. Two hours daily.

COURSE 33.—ALGEBRA. Miss Ford. The topics studied are simple equations, simultaneous linear equations, theory of exponents, radicals, complex numbers, and quadratic equations. Two hours daily.

COURSE 34.—PLANE GEOMETRY. Mr. French. This is a first course in plane geometry. If Books I and II are completed, credit will be given for a term's work. One hour daily.

COURSE 35.—PLANE GEOMETRY. Mr. French. This course begins with Book III, and completes as much of Books III, IV, and V as the class is able to do. One hour daily.

COURSE 36.—SOLID GEOMETRY. Mr. French. The work will be adapted to the needs of the class. One hour daily.

GEOGRAPHY

MISS SOUTHWORTH

COURSE 37.—PHYSIOGRAPHY. A study of such land forms as have most influenced the economic and political geography of the world. One hour daily.

COURSE 38.—GEOGRAPHY OF NORTH AMERICA. Students taking this course must have had previously a course covering the work in course 37. A full credit

will be given if sufficient library work is done. One hour daily.

COURSE 39.—ILLINOIS COURSE OF STUDY. A discussion of the work in geography outlined in the Illinois Course of Study. One hour daily. Students who have had or are taking geography courses in this school will consult the instructor as to credit in methods for this course.

PHYSICAL SCIENCES

MR. CROWE

COURSE 40.—PHYSICS. Mechanics of Solids and Fluids. Lectures and recitations. Open to those who have had plane geometry and algebra. One hour daily.

COURSE—41.—PHYSICS. Mechanics of Solids and Fluids. Laboratory work. One hour daily.

Students who completes Courses 40 and 41 will be given credit for the fall term's work in the regular school year.

COURSE 42.—PHYSICS. Heat. Lectures and recitations. Algebra and plane geometry, prerequisites. One hour daily.

COURSE 43.—PHYSICS. Sound and light. Lectures and recitations. One hour daily.

Students who successfully complete Courses 42 and 43 will be given credit for the winter term's work in the regular school year.

BIOLOGICAL SCIENCES

MR. TRANSEAU, MR. HANKINSON, and MR. LANTZ

COURSE 44.—GENERAL BOTANY I. Mr. Transeau. This course presents a general elementary introduction to botany, including the structure and life-histories or the algae, fungi, mosses, ferns, and seed plants. The lectures and laboratory work develop these topics from the standpoint of the evolution of the plant kingdom. Emphasis is laid upon the alternation of generations and the manner in which these different groups are related to their natural environment. Lectures, recitations, and laboratory work. Two hours daily.

COURSE 45.—GENERAL BOTANY II. Mr. Transeau. Plants will be considered in this course from the standpoint of their activities and their occurrence in nature. Some of the topics to be considered are the relation of the plant to light, moisture, soil, air, and gravity; the effects of these environmental factors on the structure of leaves, stems, and roots; the interrelations of plants, especially their mutual dependence and competition in nature. The wealth of material for illustrating this course to be found in the forest plantation, the ponds, the greenhouse, and the school gardens, affords unusual opportunities for the presentation of this most important phase of botany. This course will appeal especially to those who desire scientific preparation for the teaching of the natural history of plants and elementary agriculture in the secondary schools. Recitations, laboratory and field work. Two hours daily.

COURSE 46.—GENERAL ZOOLOGY I. Mr. Hankinson. This course is designed to meet the needs of students who wish to take a general survey of the important branches of the animal kingdom. The work will be based upon a laboratory and field study of type forms, and other representatives of the groups and will include lectures and recitations. Two hours daily.

COURSE 47.—GENERAL ZOOLOGY II. The purpose of this course will be to acquaint pupils with some of the more important forms of animals of the local fauna. Particular attention will be given to the ecology, habits, and economic importance of these animals. Exercises in collecting and preparing specimens will be given. Two hours daily.

COURSE 48.—HUMAN PHYSIOLOGY. Mr. Lantz. In this course a general review will be made of the subject by means of recitations, lectures, and laboratory work. Two hours daily.

MANUAL TRAINING*MISS FORBES and MRS. CULVER***COURSE 49.—WEAVING. FOUR SECTIONS.**

Miss Forbes and Mrs. Culver. This course is planned to help those teachers who wish to introduce some form of handwork into their schools. It includes paper and cardboard work as well as weaving. The work is graded from the simplest primary weaving to more difficult basket work for the upper grades. One hour daily.

COURSE 50.—WOODWORK. TWO SECTIONS.

Miss Forbes. This course includes the making of certain models that represent different exercises and bring in the use of several kinds of wood working tools. For those who are capable of doing advanced work some latitude is given in the selection of work to be done. In this course credit is given equal to that for the required work in the winter and spring terms of the regular school year. One hour daily.

PHYSICAL EDUCATION FOR MEN*MR. LANTZ*

COURSE 51.—GYMNASTICS. This course will consist of theory and of practical gymnastic work, drills, games, apparatus and playground work. Part of the work will be in the gymnasium and part outdoors. Two hours a week.

COURSE 52.—ATHLETICS. This course will consist of the study of the popular sports, such as baseball, football, basketball, tennis, track, and soccer. This course is for those who teach or wish to organize athletics. One hour daily.

