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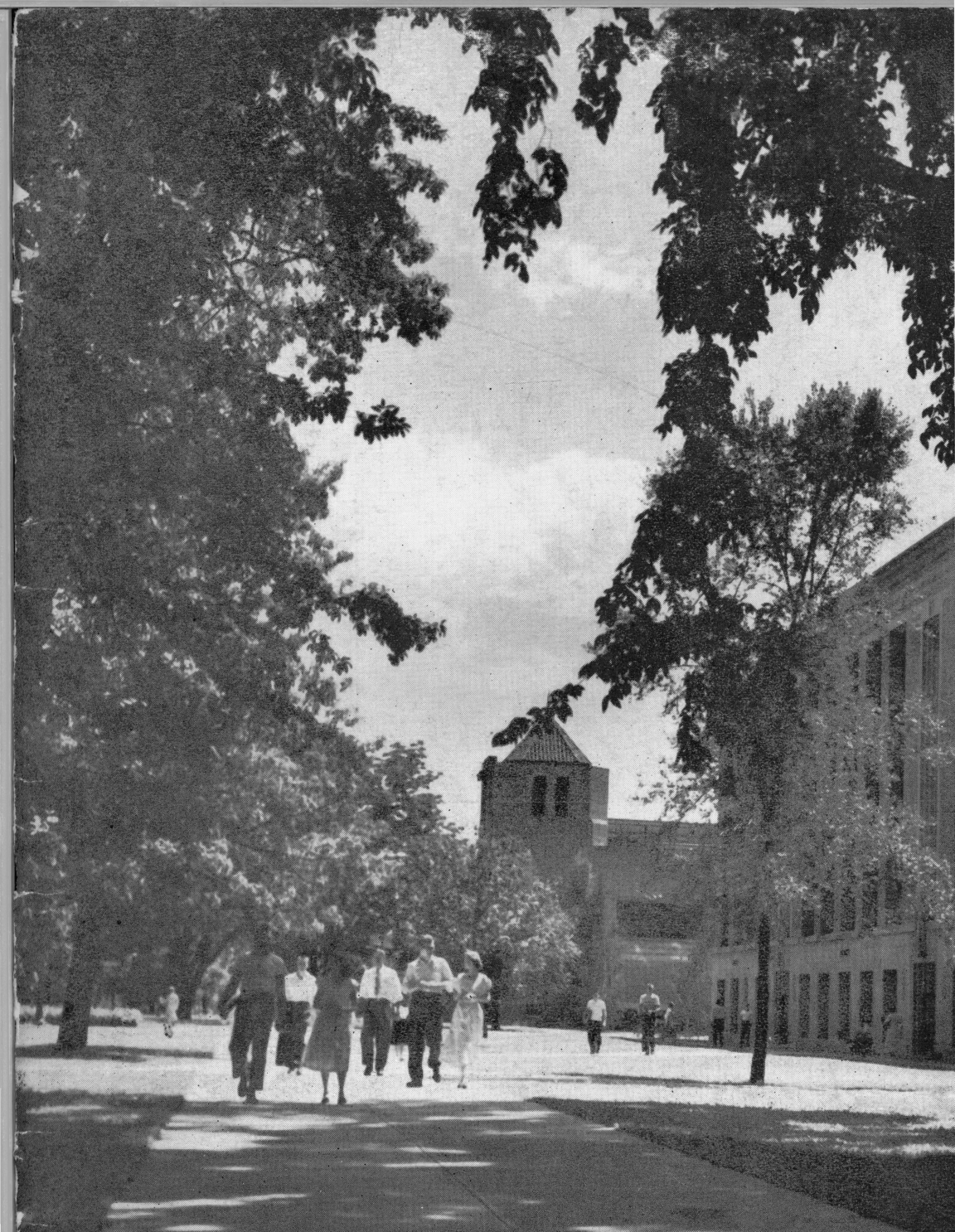
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Summer 1950
EASTERN ILLINOIS STATE COLLEGE
BULLETIN



West Entrance, Science Building

OBJECTIVE:

The general objective of this college is to provide students who wish to teach with an integrated general and professional education. This objective is fourfold: (1) scholarship; (2) skill in teaching; (3) personal fitness; (4) integration of all these aims into an understanding of our debt to the past and our obligation to the future in the common enterprise of public education.

RATING:

Eastern Illinois State College is accredited

- (1) as a Teachers College in the American Association of Colleges for Teacher Education
- (2) as a College in the North Central Association of Colleges and Secondary Schools, and
- (3) as an institutional member, American Council on Education.

STATE OF ILLINOIS

ADLAI E. STEVENSON, Governor

EASTERN ILLINOIS STATE COLLEGE BULLETIN

No. 187

April 1, 1950



50th SUMMER TERM

June 12 - August 4

Eastern Illinois State College Bulletin, issued quarterly, by the Eastern Illinois State College, Charleston, Illinois. Entered March 5, 1902, as second-class matter, at the post office at Charleston, Illinois. Act of Congress, August 24, 1912.

COLLEGE CALENDAR

SUMMER TERM, 1950

Monday, June 12.....	Registration 8 a. m.
Tuesday, June 13.....	Class Work Begins, 7:30 a. m.
Wednesday and Thursday, July 5, 6.....	P.T.A. Conference sponsored by Illinois Congress of Parents and Teachers
Thursday and Friday, July 6, 7.....	Educational Conference and Exhibit
Monday, June 19 to Friday, July 7.....	Campus Workshop on International Relations Theme
Monday, July 10 to Friday, July 28.....	Campus Workshop in Audio-Visual Aids
Friday, August 4.....	Summer Term Closes
Monday, August 7 to Friday, August 25.....	Off-Campus Workshops in Vandalia, Tuscola, and Robinson
* * * * *	
Thursday and Friday, September 7 and 8.....	Freshman Orientation
Monday, September 11.....	Fall Quarter Registration

DEPARTMENT OF
REGISTRATION AND EDUCATION

THE TEACHERS COLLEGE BOARD

• • •

EX-OFFICIO MEMBERS

NOBLE J. PUFFER

Director of Registration and Education (Springfield)

Chairman

VERNON L. NICKELL

Superintendent of Public Instruction (Springfield)

Secretary

• • •

APPOINTED MEMBERS

RICHARD F. DUNN, Normal.....	1943-49
MRS. HELEN ROSE PEGELOW, Mattoon.....	1945-51
IRA M. MEANS, Macomb.....	1945-51
LEWIS M. WALKER, Gilman.....	1945-51
WILLIAM W. WIRTZ, DeKalb.....	1947-53
DR. PRESTON BRADLEY, Chicago.....	1947-53
RUSSELL L. GUIN, Danville.....	1947-53
JOSEPH F. BOHRER, Bloomington.....	1949-55
DR. WILLIAM C. REAVIS, Chicago.....	1949-55

• • •

CHARLES G. LANPHIER.....Co-ordinator (Springfield)

Under the provision of the Civil Administrative code for the Consolidation of State Agencies under the direction of the governor, the five State Teachers Colleges of Illinois are controlled by a single board consisting of eleven members: The Director of Registration and Education, who is ex-officio chairman, the Superintendent of Public Instruction, who is ex-officio secretary, and nine members appointed by the Governor for terms of six years.

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**EASTERN ILLINOIS STATE COLLEGE
CHARLESTON**

**FACULTY
SUMMER TERM**

(Date of joining staff in parentheses.)
(Asterisk (*) indicates head of the department.)
(Double asterisk (**) indicates acting head of department.)

Administration

Robert Guy Buzzard, Ph.D.	President	(1933)
Hobart Franklin Heller, Ph.D.	Dean	(1931)
Rudolph D. Anfinson, Ph.D.	Dean of Men and Director of Veterans Service	(1940)
Elizabeth K. Lawson, Ph.D.	Dean of Women	(1939)
Blanche C. Thomas	Registrar	(1922)
Raymond R. Gregg, A.M.	Business Manager	(1934)
Harry Louis Metter, Ph.D.	Director of Teacher Training and Placement	(1934)
Raymond P. Harris, Ed.D.	Principal, High School	(1949)
Arthur U. Edwards, Ph.D.	Principal, Elementary School	(1937)
Bryan Heise, Ph.D.	Director of Extension and Summer Session	(1937)
Stanley M. Elam, A.M.	Director of Public Relations	(1946)
Charles L. Maxwell, M.D.	College Physician	(1948)
Mary Ellen Thompson, R.N.	College Nurse	(1930)
Mary June Bland, R.N.	College Junior Nurse	(1949)
Carolyn Gilbert, M.N.	Health Co-ordinator	(1948)
Marie Elizabeth Poole, M.S.	Cafeteria Manager	(1948)
Barbara L. Jones, M.A.	Director of Pemberton Hall	(1948)
Henry J. Arnold, A.M.	Manager, Textbook Library	(1935)
Camille F. Monier	Superintendent of Grounds	(1935)
John G. Haney	Plant Maintenance Engineer	(1946)
Edgar B. Rennels	Superintendent of Buildings	(1947)
John Livingston	Superintendent of Heating	(1948)
Violet Bird Taylor, B.A.	Secretary	(1935)
Dorothy Virginia Davis	Stenographer	(1937)
Florence Leone Fair, A.B.	Secretary	(1940)
Helen Josephine Whalen	Secretary	(1942)
June Ardith Harding	Stenographer	(1947)
Cleo Walls	Bookkeeper	(1947)
Naida Muriel Tippet	Stenographer	(1947)
Mary Catherine Allen	Secretary	(1948)
Norma Winkleblack	Secretary	(1948)
Kathryn Stone	Secretary	(1948)
Eloise Gately, B.S. in Ed.	Secretary	(1948)
Dorothy M. Beck	Secretary	(1948)
Margaret J. McGurty	Stenographer	(1949)
Helen Marie Moltz	Secretary	(1949)
Jean Louise Peak	Secretary	(1949)
Joy Carlisle	Stenographer	(1949)
Shirley A. Grubb	Stenographer	(1949)
Margaret H. Greathouse	Stenographer	(1949)
Jean Ghere	Stenographer	(1949)
JoEllen Chancellor	Stenographer	(1949)
Helen Tschannen	Clerk-Typist	(1949)
Virginia Reid	Clerk-Typist	(1949)
Betty Jean Story	Clerk-Typist	(1949)

Art

Mildred Ruth Whiting, Ph.D.*	Professor	(1936)
Calvin Countryman, A.M.	Instructor	(1945)
Raymond E. Obermayr, A.M.	Instructor	(1949)

Biological Science

Botany

Ernest L. Stover, Ph.D.*	Professor	(1923)
Hiram Frederick Thut, Ph.D.	Professor	(1932)

Zoology

Walter Merritt Scruggs, Ph.D.**	Professor	(1929)
Richard Thomas Hartley, Ph.D.	Associate Professor	(1944)
Harry E. Peterka, Ph.D.	Associate Professor	(1947)
Garland T. Riegel, Ph.D.	Associate Professor	(1948)

Hygiene

Harold Maxon Cavins, Ed.D.	Professor	(1928)
Carolyn Gilbert, M.N.	Instructor	(1948)

Business Education

James M. Thompson, Ed.D.*	Professor	(1937)
Earl Samuel Dickerson, Ed.D.	Professor	(1935)
Clifford L. Fagan, Ph.D.	Assistant Professor	(1949)
Jessie M. Hunter, M.A.	Assistant Professor	(1937)

Education

Harold M. Cavins, Ed.D.	Professor	(1928)
Harry Louis Metter, Ph.D.	Professor	(1934)
Bryan Heise, Ph.D.	Professor	(1937)
Hans Christian Olsen, Ph.D.	Professor	(1938)
Donald Allen Rothschild, Ph.D.	Associate Professor	(1934)
Arthur U. Edwards, Ph.D.	Associate Professor	(1937)
William Henry Zeigel, Ph.D.	Associate Professor	(1937)
Elizabeth K. Lawson, Ph.D.	Associate Professor	(1939)
Raymond P. Harris, Ed.D.	Associate Professor	(1949)
Louis G. Schmidt, Ph.D.	Assistant Professor	(1948)
Thomas A. Phillips, M.Ed.	Assistant Professor	(1948)
Arthur Francis Byrnes, A.M.	Assistant Professor	(1949)

English

Howard DeForest Widger, Ph.D.*	Professor	(1912)
Eugene M. Waffle, Ph.D.	Professor	(1926)
Francis W. Palmer, Ph.D.	Assistant Professor	(1945)
Robert Lee Blair, Ph.D.	Associate Professor	(1946)
Ruth Huff Cline, Ph.D.	Associate Professor	(1947)
Judd Kline, Ph.D.	Associate Professor	(1948)

Foreign Language

Kevin Joseph Guinagh, Ph.D.*	Professor	(1931)
Ellen Elizabeth Michael, Ph.D.	Associate Professor	(1930)

Geography

Byron Kurtz Barton, Ph.D.*	Professor	(1948)
Rose Zeller, Ph.D.	Professor	(1930)
Ruby Mildred Harris, S.M.	Associate Professor	(1923)
Harold Retallick, Ph.D.	Substitute Assistant Professor	(1949)

Home Economics

Helen Louise Devinney, A.M.	Instructor	(1943)
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Industrial Arts

Walter Allen Klehm, Ed.D.*	Professor	(1938)
Russell Henry Landis, Ed.D.	Professor	(1930)
Ewell Weldon Fowler, Ed.D.	Associate Professor	(1941)
Harry W. Gunderson, Ed.D.	Associate Professor	(1948)
Glen Spencer Duncan, A.M.	Assistant Professor	(1949)

Library

Roscoe Frederick Schaupp, Ph.D.	Professor and Librarian	(1945)
Harriet Love, M.S.	Assistant Professor	(1932)
Margaret Lorena Ekstrand, A.M. in L.S.	Assistant Professor	(1942)
Lee Anna Jewell Smock, A.M.	Instructor	(1944)
Mary Elizabeth Scott, M.S.	Assistant Professor	(1948)
James G. Eberhardt, M.S. in L.S.	Assistant Professor	(1949)

Mathematics

Lawrence A. Ringenberg, Ph.D.*	Professor	(1947)
Hobart Franklin Heller, Ph.D.	Professor	(1931)
Ruth Hostetler, A.M.	Assistant Professor	(1929)

Music

Leo J. Dvorak, Ph.D.*	Professor	(1940)
Earl W. Boyd, M.A.	Assistant Professor	(1947)
George W. Westcott, Ph.D.	Assistant Professor	(1949)
Catherine Anne Smith, M.M.	Instructor	(1949)

Physical Education

Men

Charles P. Lantz, Ph.D.*	Professor	(1911)
Clifton W. White, Ed.D.	Associate Professor	(1947)
Henry George Miller, M.A.	Substitute Instructor	(1948)

Women

Florence McAfee, Ed.D.*	Professor	(1924)
Aline Ruth Elliott, M.A.	Instructor	(1944)
Mary Kathryn Babcock, M.A.	Instructor	(1948)

Physical Science

Chemistry

Harris E. Phipps, Ph.D.*	Professor	(1931)
Lawson Francis Marcy, Ph.D.	Associate Professor	(1944)
Sidney Russell Steele, Ph.D.	Associate Professor	(1947)

Physics

Ora Lee Railback, Ph.D.*	Professor	(1924)
Glenn Quentin Lefler, Ph.D.	Associate Professor	(1946)

Social Science

Charles Hubert Coleman, Ph.D.*	Professor	(1926)
Glenn Huron Seymour, Ph.D.	Professor	(1929)
Kevin Joseph Guinagh, Ph.D.	Professor	(1931)
Donald Rhodes Alter, Ph.D.	Associate Professor	(1934)
William Gerbing Wood, Ph.D.	Associate Professor	(1938)
Raymond Arthur Plath, Ph.D.	Associate Professor	(1946)

Speech

James Glenn Ross, Ph.D.*	Professor	(1934)
Elbert Raymond Moses, Ph.D.	Associate Professor	(1946)
Pearl Bryant, Ph.D.	Associate Professor	(1947)
Earnest G. Gabbard, M.A.	Assistant Professor	(1947)

TRAINING SCHOOLS

Training Schools

Harry Louis Metter, Ph.D.*
Director of Teacher Training and Placement Bureau (1934)

Elementary School

Arthur U. Edwards, Ph.D. Principal (1937)
Leah I. Stevens Castle, S.M.
..... Assistant Professor and Seventh Grade Critic (1920)
Lorene E. Ziegler, M.A. Instructor and Sixth Grade Critic (1947)
Florence E. Reid, M.A.
..... Assistant Professor and Fifth Grade Critic (1946)
Myrtle Arnold, A.M.
..... Assistant Professor and Fourth Grade Critic (1930)
Nannilee Saunders, A.M.
..... Assistant Professor and Third Grade Critic (1935)
Velma Valera Cox, M.Ed.
..... Instructor and Second Grade Critic (1948)
Esther Silverstein, A.M.
..... Instructor and First Grade Critic (1949)

THE SUMMER TERM

I. GENERAL INFORMATION

PLAN

The summer term includes an eight weeks session for its principal course offerings, several three weeks courses both on campus and in extension, and field study courses.*

The courses are planned for professional improvement of teachers in service and for the needs of regular campus students who wish to take extra courses or who are following accelerated programs.

ADMISSION

Persons who hold teachers certificates in the State of Illinois are admitted to the summer term to take courses for which they have satisfied prerequisites.

Graduates of recognized four-year high schools who have not attended other colleges may be admitted to take courses in the summer term upon filing an application for admission, including a transcript of high school grades. Application forms may be secured by writing to the Registrar. Applications should be filed at least ten days before the opening of the term.

Students who have attended other colleges and who wish to work only in the summer term may be admitted by providing a statement of good standing from the college last attended. Transfer students who plan to continue their residence during a regular college year must file a regular application for admission and provide transcripts from all colleges previously attended.

Transfer students who are not in good standing in the college last attended may be admitted on the same terms on which they would have been readmitted to the college last attended. If admitted, they must make a C average at the end of the first term in order to be permitted to continue.

Students who have not cleared their entrance requirements completely before June 21 are not permitted to continue in attendance.

*A special bulletin describing field study courses may be obtained upon application to Dr. Bryan Heise.

EXPENSES

Fees.—Tuition is free to legal residents of Illinois. Tuition of \$10 a term is charged others in addition to the fees described below.

Fees for an eight weeks' term are as follows:

Registration Fee.....	\$ 6.50
Student Activity Fee.....	\$ 6.50
Book Rental Fee.....	\$ 3.50
Total.....	\$ 16.50

Fees for two weeks' campus workshop \$ 7.50

Fees for three weeks' campus workshop \$ 9.00

Fees for three weeks' off-campus workshop \$ 10.00

Laboratory fees are charged for certain courses in the sciences, art, home economics, business education, industrial arts, and music. A chemistry breakage fee of \$3.00 is required for students taking laboratory courses in chemistry. The unused portion of this fee is refunded at the close of the term.

A locker deposit of \$1.75 is required for each locker used by a student. The fee is refunded when the padlock is returned at the end of the term.

A towel deposit of \$1.75 is required of each student enrolled in physical education. Seventy-five cents of this amount is refunded when the towel is returned.

A fee of \$7.50 is charged for each applied music course taken by any student except those whose major or minor is in music.

Miscellaneous Fees.—A graduation fee of \$10 is charged students at the time of graduation. This fee covers graduation expenses, including rental of cap and gown. It is payable on April 1 of the year in which the student graduates.

The original transcript of a student's record with one carbon copy will be mailed upon request without cost to the student; a charge of \$1.00 is made for additional copies of this transcript sent later.

Board and Room.—Room rent in private homes ranges from \$3.00 to \$3.50 per week for each student when two students share a room. Room rent at Pemberton Hall costs from \$2.00 to \$2.50 per week. The College Cafeteria serves meals at moderate cost from Monday through Friday. Several rooming houses have provisions for light housekeeping for students who prefer this arrangement.

Penalties.

Late registration.—An additional fee of \$3.00 is charged for failure to complete registration on Monday, June 12.

Change of program.—A fee of \$1.00 is charged for a change of program after Wednesday, June 14.

Use of library.—For failure to return books, pictures, and magazines to the college library before scheduled time a fine of 50 cents is charged and must be paid before a student's record for the term is clear.

Textbook library.—For failure to return all books in good condition at the end of the term a fee of \$1.00 plus the cost of the book damaged or lost is charged.

No credits for the term are issued until the textbook library and college library accounts are cleared.

Refund of fees.—If a student withdraws on or before Wednesday, June 21, and if the Registrar has been informed in person or by letter at the time of withdrawal, fees may be refunded.

SCHOLARSHIPS

Lindly Scholarships are accepted to a total of twelve quarters or terms of residence. Holders of such acceptable scholarships do not pay the registration fee.

The holder of a Teachers College Scholarship must present his certificate at the beginning of the term. The scholarship covers registration fee, book rental, and student activity fee not to exceed a total of \$80 in any one year.

Any person who entered wartime military service from Illinois and received an honorable discharge is eligible to a Military Scholarship good for four years of training at any of the five teacher-training institutions. This scholarship covers the fees (registration, book rent, and student activity fee) due at the beginning of each quarter or term but does not cover laboratory fees or fees for supplies and materials. The Military Scholarship is secured by presenting a certified copy of an honorable discharge to the Director of Veterans Services at the College.

G. I. BILL

All provisions of the G.I. Bill of Rights operate during the summer term. Veterans enrolling for the first time under the G.I. Bill should apply to the Director of Veterans Services.

HOUSING ACCOMMODATIONS

Pemberton Hall, the women's dormitory, is operated during the summer term. Applications for rooms in Pemberton Hall should be made to Miss Barbara Jones, Director. An application must be accompanied by a deposit of \$10 which is credited to the account of the student and refunded in case a reservation is not available or in case the student cancels her reservation two weeks or more before the opening of the term.

Students other than those who live in the dormitory are required to live in houses approved by the Housing Committee. A list of approved accommodations may be obtained from the Dean of Women and a list of approved houses for men from the Dean of Men.

A trailer camp and apartments are operated by the College for married veterans. Rooms for single veterans are available in recon-verted barracks in Campus City. Students interested in either of these services should write to the Director of Veterans Services.

All students are required to live in rooms which have been ap-proved by the Housing Committee.

LIBRARY

The College Library contains approximately 66,000 books and pamphlets, more than 425 magazines, and many daily newspapers.

A course in the Use of the Library, 12 periods, is offered.

The Training School Library, located on the third floor of the Training School, is in charge of a children's librarian and is open to summer school students. Here are collected more than 4,000 books suited to the needs of the elementary school and the junior high school. For those who wish to obtain titles of books for school li-braries, lists selected by those familiar with children's books are pro-vided and conferences with the librarian are arranged.

Exhibits are on display in the Training School Library and are changed weekly in order that a variety of materials may be called to the special attention of visitors.

BUREAU OF TEACHER PLACEMENT

The College maintains a Bureau of Teacher Placement with offices in the Main Building. Students who have attended this institution for one year or more may register with the Bureau. Registration is pre-requisite to graduation from the College. The services of the Bureau are free to students enrolled in the College. Alumni are charged a registration fee of \$1.00.

From carefully compiled records the Bureau furnishes to a pro-spective employer the academic, student teaching, extra-curricular, and experience records of an applicant, together with personal data, photograph, and copies of letters of recommendation. Interviews be-tween employers and applicants may be held in the conference rooms of the Bureau.

The interest of the Bureau is continued after placement through a system of follow-up reports from employers.

OBSERVATION IN THE TRAINING SCHOOLS

A limited opportunity is offered during the first six weeks for observation in the first seven grades of the Training School by stu-

dents who are not regularly enrolled in student teaching courses. Permission to observe in the Training School must be obtained from the Director of Teacher Training.

A modern one-teacher school is operated on the campus to provide special opportunities for observation.

II. SUMMER SCHOOL ACTIVITIES

Recreational Activities.—The summer school committee provides a program of recreational activities which it is hoped will offer something of interest and value to each student. Motion pictures, intramural games, excursions, picnics, discussion groups and other organized activities are features of the program. The campus provides many opportunities for individually organized games, and the proximity of Fox Ridge State Park and Lincoln Log Cabin Park give additional facilities for student recreation. Students are invited to submit suggestions for enriching the program.

Special Features.—A number of the activities of the summer term in 1950 will be related to a general theme of international relations. A three weeks campus workshop, the programs of the educational conference, and many of the weekly assemblies will be related to this theme. Attention of students is invited to the offerings of the Social Science Department which include courses in International Relations, History of Modern Europe, History of the British Empire, and History of the United States since 1900, all of which are of interest to students who want to pursue work leading to a better understanding of the place of the United States in world affairs.

PHYSICAL EDUCATION

A broad program of physical education activities is made available to both men and women in the summer term. It includes voluntary activities and intramural contests as well as regular physical education classes. Voluntary activities may include badminton, softball, tennis, archery, golf, horse-shoes, shuffleboard and other games, and daily sessions in physical fitness exercises designed to improve health and posture. Students who plan programs of voluntary activities may arrange for one to four hours per week in activities of their choice. Regular physical education classes meet three hours each week with approximately half of the time devoted to physical fitness exercises and the remainder to sports.

The physical education program is planned to provide maximum benefit to all students who wish to participate, and every student who is not physically disabled is urged to plan for regular periods of activity whether or not it is required.

The residence requirement in physical education is given on page 18 and the graduation requirement in physical education is given on page 16.

MUSIC ACTIVITIES

A music hour is held each Tuesday evening at 7:15 under the auspices of the Music Department. Community singing of the old favorites, solo and group numbers, and occasional playing of recordings, comprise the programs. The student body and the public are invited.

Band and chorus are conducted as extra-curricular activities. All students who are interested are cordially invited to participate.

EDUCATIONAL CONFERENCE

The fifteenth annual summer educational conference and exhibit and the regional conference of the Illinois Congress of Parents and Teachers will be held on July 5, 6, and 7. The program of the educational conference of 1950 will be built around international relations as a theme with outstanding authorities in the field as speakers. An exhibit of textbooks and materials of instruction will be open during the period of the conference.

All persons who are interested, whether enrolled in summer term or not, are invited to attend the sessions of the conference and to visit the book and materials exhibit.

ASSEMBLY

A college assembly is held in the Old Auditorium each week. Attendance of all students and faculty is expected. The schedule of assemblies will be announced at the opening of the term.

III. INSTRUCTION

CREDIT

The unit for measuring credit is the quarter hour, representing one recitation hour per week of prepared work for twelve weeks. It is equivalent to two-thirds of a semester hour. A statement of the amount of credit is included in the description of each course.

A year's college work is equivalent to forty-eight quarter hours (thirty-two semester hours) of prepared work. A year's work in one subject is equivalent to twelve quarter hours (eight semester hours). The normal load of work for each quarter of the regular school year is four full courses, giving sixteen quarter hours credit. The regular load of work in a summer term of eight weeks is three full courses (twelve quarter hours).

Students who withdraw before the end of the summer term receive no partial credit for courses taken.

NUMBERING OF COURSES

Courses numbered 100-199 are normally freshman courses and may not be taken for full credit by students with senior standing.

Courses numbered 200-299 are normally sophomore courses, but may be taken in any year. Courses numbered 300-399 and 400-499 are junior and senior courses. Junior and senior courses are not open to freshmen and sophomores. The student's program for graduation must include at least 64 quarter hours in courses not open to freshmen and sophomores.

GRADES

Grades are expressed in letters as follows:

A. Excellent	3 grade points
B. Good	2 grade points
C. Average	1 grade point
D. Poor, but passing*	0 grade point
E. Condition (Incomplete work)	0 grade point
F. Failure	-1 grade point
W. Withdrew	0 grade point

*Passing but not accepted toward graduation or toward admission to practice teaching if more than one-fourth of the student's credits have a grade of D.

The grade of E is given only when there exists a plan for making up the work. When the work has been made up the grade of E is replaced by the grade earned in the course. In case the work is not made up according to plan the grade of E stands on the student's permanent record.

PROBATION

Students failing in one course and having less than C average in the remaining courses in the summer term, students who earn two grades of D, and students whose cumulative average after one year's work is below C (1.0), are on probation during the next term of residence. A student who has been on probation for two consecutive terms and whose grades during the second of the terms do not reach a standard which removes him from probation is dropped for low scholarship and his record is so marked if he transfers to another institution.

EXTRA COURSE LOAD

Three four-quarter-hour courses with the addition of not more than two one-quarter-hour courses constitute the normal load in an eight weeks term, but students whose grade point average in their last term of residence was 2.0 or higher may register for one additional four-quarter-hour course.

GRADUATION REQUIREMENTS

The degree of Bachelor of Science in Education is conferred upon graduation from a prescribed four-year curriculum.

A year's residence work is required for a degree.

Each curriculum that leads to a Bachelor's degree requires the completion of 192 quarter hours of academic courses with the addition of required physical education, Library 120, the passing of the Junior English Examination, and, in certain curricula, Business Education 120.

The physical education requirement for graduation comprises nine quarter hours of credit as noted in the special instructions given on page 18.

An average of 1.0 is required for graduation. Not more than one-fourth of the grades counted toward graduation may be D.

Sixty-four quarter hours of credit toward graduation must be in courses not open to freshmen and sophomores.

Students who have obtained approval for programs of study whereby all requirements for graduation will be met before September first of any year are admitted to the commencement activities in the spring of that year and are considered as members of the class of that year.

Registration in the Bureau of Teacher Placement is prerequisite to graduation.

A graduation fee of \$10 (see under Fees) is charged.

A Junior College Diploma is given at graduation from certain two-year curricula as described in the general catalogue. One year of residence, a grade point average of 1.0 or higher with not more than one-fourth of the grades below C, and the completion of 96 quarter hours of approved courses together with Library 120 and required physical education comprise the requirements for the diploma.

THE CURRICULUM IN ELEMENTARY EDUCATION

The following brief outline of the curriculum in Elementary Education is presented for reference. This curriculum leads to the degree of B.S. in Ed. and satisfies the requirements of the State Examining Board for a Limited Elementary School Certificate.

	Quar. Hrs.
Art 130, 224	8
Biology 126, 127, 128	12
Education 228, 230, 231, 232, 324, 325, 343, 344, 447	36
English 120, 121, 122 or 126, 234, 348 or 343 or 344 or 449	20
Geography 120, 221, 236	12
Industrial Arts 224, 225	8

Music 120, 228	8
Mathematics 120, 121	8
Physical Science 100, 101, 102	12
Social Science 137, 138, 139, 233, 234, 235	24
Speech 345	4
Teaching 441, 442, 443	12
Electives	28
Total	192

With the addition of:

Business Education 120 (1 q. h.)

Library 120 (1 q. h.)

Physical Education 315, 316, 317 (1 q. h. each)

Physical Education Activity Courses (9 q. h.)

Junior English Examination

REQUIREMENTS FOR A LIMITED ELEMENTARY SCHOOL

CERTIFICATE BY EXAMINATION

A Limited Elementary School Certificate may be obtained by passing an examination given under the auspices of the Illinois State Examining Board and the satisfactory completion of 60 semester hours (90 quarter hours) of approved courses. The requirements as set forth by the Examining Board in its bulletin are as follows:

	Semester Hours
I. General Education	45
a. Language Arts	9
b. Natural Science	9
c. Social Science	9
d. Mathematics	3
e. Health and Physical Education (must include a minimum of 2 semester hours in Materials and Methods of Instruction)	2 to 4
f. Fine and Applied Arts (Music and Art)	6
g. General Psychology	3
h. American Public Education	3
II. Education (Professional)	10
a. Educational psychology, child psychology, hu- man growth and development	2 or 3
b. Teaching and learning techniques in the modern elementary school and curricula problems	2 or 3
c. Student Teaching	5
III. Electives	5

“The subjects included in the examination are as follows: Reading, general science or biology, English, United States history and government, American Public Education, Health Education, Social Science, principles and methods of teaching, educational psychology, mathematics (arithmetic), and Illinois history.

“Any applicant who presents certified evidence of having completed 12 or more semester hours in the field of natural science, social science, or language arts shall be exempt from examination in the subjects included in these fields.”

POST-BACCALAUREATE STUDY

Plans for offering a fifth year of work leading to a M.S. in Ed. degree are being formulated. It may be possible to introduce this work in the summer term of 1951.

RESIDENCE REQUIREMENTS IN PHYSICAL EDUCATION

College students who are enrolled during the school year are required to attend classes in physical education activities during every quarter or summer term of residence until they have earned nine quarter hours of credit in these courses required for graduation.

Students who attend only in summer and who will not become candidates for graduation are released from all physical education requirements.

Students who attend only in summer terms and who will become candidates for graduation are released from physical education requirements after they have earned six quarter hours of credit, or after they have attained the age of thirty-eight.

JUNIOR ENGLISH EXAMINATION

The Junior English Examination is given on Thursday, July 20, at 8 p. m. in M35. Students who will become candidates for graduation and have attained junior standing (96 quarter hours credit or more) should arrange to take this examination. Application is made to the Head of the Department of English.

SPECIAL INSTRUCTIONS FOR NEW STUDENTS

Students who are entering as freshmen or as transfer students at the beginning of the summer term with the intention of remaining during the regular school year should note the following special instructions.

A meeting of these students will be held at 9:30 a. m., on June 12 in S216. Instructions for registration and for the orientation program will be given at this meeting. It is the first obligation of students in this classification.

An orientation program consisting of tests and special meetings will be conducted during the summer term. All entering freshmen and transfer students who expect to remain during the regular school year are responsible for attending all of these sessions.

IV. DESCRIPTION OF COURSES

I. TWO WEEKS COURSE

Course on Campus.

Industrial Arts 451. Industrial Arts Campus Workshop Conference on Organization of Subject Matter. (2 q. hrs.) August 14 to August 25. The morning will be devoted to developing course materials and the afternoons will be used for demonstrations and conferences. Fee \$7.50. Mr. Klehm and Mr. Landis, with representatives of the Illinois State Board for Vocational Education.

II. THREE WEEKS COURSES

A. Courses on Campus.

Social Science 341. Workshop in International Understanding. (4 q. hrs.) June 19 to July 7. The emphasis in this workshop is on concepts pertinent to international relations with emphasis on the geographic background of problems of international understanding and on the social, economic, and political aspects of world affairs especially in relation to the major problem of establishing an enduring peace. The main purpose of the experience is to help teachers formulate ideas and plans for teaching international relations in their classrooms. Lectures, discussions, and work on individual projects are features of the workshop experience. Students may register for Social Science 341 or Geography 341 depending upon the nature of the individual projects which they are interested in attacking. Students registered for this workshop are expected to give their full time during the three weeks period. Registration is not open to students enrolled in other summer term courses. Miss Harris, Mr. Alter.

Education 456. Introduction to Audio-Visual Education. (4 q. hrs.) July 10 to July 28. An intensive three weeks course on a full-time basis covering the material of Education 456 as described in the courses listed for the Department of Education. Mr. Byrnes.

B. Extension Courses.

Education E220. Workshop in Elementary Education. (4 q. hrs.) Robinson, Illinois, August 7 to August 25. This is a workshop for individual problems related to the needs of teachers. Students who wish to register in this workshop are urged to write to Dr. Bryan Heise several weeks prior to its opening giving a description of their problem.

Geography E448. Conservation of Natural Resources. (4 q. hrs.) Vandalia, Illinois, August 7 to 25. A study of problems dealing with the conservation of soil, minerals, forests, animals, and waters, with special reference to the United States.

Hygiene E320. School and Community Health Problems. (4 q. hrs.) Tuscola, Illinois, August 7 to 25. This course is designed for teachers and emphasizes their part in the development of a health program in the schools. It tries to create a better understanding of the physical and mental health of the school child, and gives special attention to the exceptional or handicapped child, to the detection of defects by testing and observation, and to the facilities available for the correction of defects. **Prerequisite: Hygiene 120 or its equivalent; Junior standing.**

C. Field Study Courses.

English 280F (50). Study of New England Writers. (4 q. hrs.) August 7 to August 27. A study of New England writers in relation to the regions in which they lived. The course will consist of a three weeks bus tour to New England with brief visits to the homes of Emily Dickinson, Emerson, Thoreau, Alcott, Hawthorne, Longfellow, Holmes, Lowell, Frost, and others. Vermont, New Hampshire, Massachusetts, and Maine will be the chief areas studied; but the return trip will be made through the Adirondack Mountains, the Thousand Islands, and Canada. Textbooks, lectures, notebooks and outlines will be used. This course may be substituted for English 234 or used as an elective. A field study fee of approximately \$145 is assessed each student enrolled. Mr. Widger.

Geography 281F (50) or 381F (50). Field Course in the Regional Geography of North America. (4 q. hrs.) This field course is offered as a post-summer session tour (August 7 to August 27). Most of the work will be done in Maine, New Hampshire, Vermont, and Massachusetts. Many points of geographic interest will be visited on the way to and from the New England area but nearly two weeks will be spent in the four states mentioned above. Among the outstanding features of the tour will be a visit to Niagara Falls, a tour of the Connecticut Valley, two days in Boston, visits to the fishing ports of the New England Coast, study of the Cape Cod cranberry bogs, trips into the New England mountains, and an opportunity to see a portion of the St. Lawrence Valley and the Thousand Islands. Students taking 381F (50) are expected to do additional and more intensive work in the course than those taking 281F (50). The field trip is identical for all. A field study fee of about \$145 is assessed each student enrolled in this course. Mr. Barton.

Social Science 281F (50) or 381F (50). Field Study of the Regional History of North America. (4 q. hrs.) Three weeks of post-summer session historical field study in New England (August 7 to August 27). Points of interest include the Connecticut River towns, Cape Cod and Plymouth, the Boston area, Salem and Cape Ann, southern New Hampshire and southwestern Maine. The return route to Illinois is through the Adirondack Mountains and southern Ontario. Students enrolled in Social Science 381F (50) prepare a detailed unit

of lesson plans, based on their field study experiences, in addition to meeting the requirements of the course met by those enrolled in Social Science 281F (50). A field study fee of approximately \$145 is assessed each student. Mr. Coleman.

III. EIGHT WEEKS COURSES

(Note: Unless otherwise indicated, classes meet daily at the hours stated, Monday through Friday.)

ART

130. Introduction to Art. (4 q. hrs.) Background material for teaching of art in elementary schools. Section I, 8:40 to 10:50. Miss Whiting; Section II, 1:30 to 3:40. Mr. Obermayr.

132. Drawing I. (4 q. hrs.) Freehand drawing in pencil and charcoal from set studies and imagination. Principles of pictorial design. Outdoor sketching when possible. **Prerequisite: Art 130** or permission of the instructor. 7:30 to 9:40. Mr. Obermayr.

224. Art for Teachers in the Elementary Grades. (4 q. hrs.) The teaching of art in the elementary grades with practice in adapting art principles, processes and projects to different grade levels; work in curriculum making and in providing art background for room activities; training in lettering, craft techniques, and figure drawing. **Prerequisite: Art 130.** 7:30 to 9:40. Mr. Countryman.

226. Life Drawing I. (4 q. hrs.) Constructive figure drawing from costumed model. Study of artistic anatomy and composition. Pencil, charcoal, graphite stick, lithograph, and conte crayon used. **Prerequisite: Art 132.** 7:30 to 9:40. Mr. Obermayr.

234. Design II. (4 q. hrs.) Applied decorative design developing techniques in the crafts such as textile decoration, silk screen, air brush, wood crafts, leather, metal and advanced weaving. Relation of crafts to club and summer camp work and to occupational therapy. Students are given freedom to work out problems according to individual interests. **Prerequisite: Art 131.** 1:30 to 3:40. Mr. Countryman.

239. Pottery and Modeling. (4 q. hrs.) Study of three methods of pottery making—coil, slab and casting. Modeling of animals and figures. Glazing, firing of the kiln. 1:30 to 3:40. Mr. Countryman.

340. Methods of Teaching Art in High School. (4 q. hrs.) Study of the functions of art in the secondary school curriculum. Instructional practice in teaching techniques of various media and processes. Lesson, unit and curriculum planning. 9:50. Mr. Countryman.

344. Home Planning and Furnishing. (4 q. hrs.) The study of interior decoration in relation to the home. The selection of the house in terms of family needs; its furnishings in harmony with the personality, income, and individual interests of the family group, developed

according to basic art principles. History of period styles. **Prerequisite:** Art 130 and 131. 9:50 to 12:00. Miss Whiting.

351. Art Backgrounds. (4 q. hrs.) A survey of our art heritage, its development from the life of the different periods in history, with sufficient criticism to form a basis for the evaluation of contemporary art for individual use and appreciation. 1:30. Miss Whiting.

448. Composition II. (4 q. hrs.) Advanced work in decorative and pictorial design. Individual projects and choice of media. This course will be offered if the demand justifies. 9:50 to 12:00. Miss Whiting.

449. Commercial Design. (4 q. hrs.) Advanced work in advertising art, including lettering, posters, commercial wrappings, art planning of school annuals, and current advertising problems. This course will be offered if the demand justifies. 8:40 to 10:50. Mr. Obermayr.

460. Design III. (4 q. hrs.) The study of modern developments in the field of design emphasizing the designing of articles for manufacture and work in display advertising. 8:40 to 10:50. Mr. Obermayr.

BIOLOGICAL SCIENCE

I. General Biological Science

126, 127, 128. General Biological Science. (4 q. hrs. for each course.) An integrated course covering the fundamentals of botany and zoology. Local flora and fauna; structure, modification, and function of cells; physical and chemical properties of the food and energy relations of living things; cell division, reproduction, and laws of heredity. **Laboratory fee \$1.00 for each course.** Biology 126, 7:30 daily, 8:40 TF. Mr. Hartley; Biology 127, 9:50 daily, 8:40 MTh. Mr. Riegel; Biology 128, 1:30 daily; 2:40 TF. Mr. Hartley.

129. Science in the Elementary School. (4 q. hrs.) A discussion of the contents and methods of teaching science in the grades. 9:50 to 12:00 daily for six weeks. Mr. Scruggs.

II. Botany

121. General Botany. (4 q. hrs.) This is a study of the reproductive phase of plant life; a study of the reproduction of flowering plants leading to the formation of seeds and fruits; the mechanism of heredity and the quality of hybrids. The last part of the work gives the student the opportunity of surveying the natural groups of the plant kingdom with their development and environmental relationships and their economic significance. **Prerequisite: Botany 120. Laboratory fee \$1.00.** 9:50 to 12:00 MTTF. Mr. Thut.

122. General Local Flora. (4 q. hrs.) An introduction to the geographic and physiographic ecology of North America. The identi-

fication of trees and shrubs, of the common algae, liverworts and mosses, ferns, and the common herbaceous flowering plants; and a study of the gross structures necessary for the recognition of these forms. The course is designed especially for elementary and secondary school teachers, but it is also useful to all who desire the ability to identify plants. **Prerequisite: Botany 120 and 121, or permission of the instructor.** 1:30 to 3:40 MTWF. Mr. Thut.

230. The Morphology of Green Plants. (4 q. hrs.) A study of the vegetative and reproductive structures of the green plants, algae, liverworts, mosses, ferns and fern allies, conifers, and flowering plants, and a comparative study of their typical life histories. Many specimens of these groups are available and a special effort is made to have living plants for class study. A superior collection of microscopic and lantern slides is available for the demonstration of all structures. **Prerequisite: Botany 120 and 121. Laboratory fee \$1.00.** 9:50 to 12:00 MTTF. Mr. Stover.

232. Economic Botany. (4 q. hrs.) A study of the methods of plant propagation, the control of the life processes and regulation of the plant's environment for greater economic return as practiced in agriculture and industry; the effect of environmental factors on vegetation centers which have become crop centers; the production of carbohydrates, fats, fibers, lumber, spices, drugs, and other plant products as they occur in world trade. There are field trips to some of the more important industrial concerns using plants or plant products. **Prerequisite: Botany 120 and 121.** 7:30 to 9:40 MTTF. Mr. Thut.

301. Trees, Shrubs and Woods. (4 q. hrs.) The identification of trees and shrubs in summer; the geographic and physiographic distribution of the trees of North America; the choice of trees for different kinds of planting; the identification of the common woods used for furniture and building materials. A course designed for senior college students who have not had any courses in botany. It is planned for the use of students in "everyday living" and for teachers of the elementary and secondary school. There will be field trips into the nearby forests, to Turkey Run State Park and others. 1:30 to 3:40 MTWF. Mr. Stover.

345. Advanced Botany. (4 q. hrs.) This is designed to meet the needs of individual students who wish to do advanced work in some special field of botany. The student may choose the work he wishes to do. **Prerequisite: Five quarters of botany and the instructor's permission.** 7:30 to 9:40 MTTF. Mr. Stover.

III. Hygiene

120. Hygiene and Sanitation. (4 q. hrs.) The first half of the course considers health factors (environment, living habits, heredity), nutrition, the muscular, excretory, and nervous systems, and the ductless glands.

The second part takes up bacteria and the resistance of the body to them, immunity to disease, water and water purification, sewage disposal, ventilation, food preservation, and health departments. Section I, 11:00. Miss Gilbert; Section II, 1:30. Mr. Cavins.

320. School and Community Health Problems. (4 q. hrs.) This course is designed for teachers and emphasizes their part in the development of a health program in the schools. It tries to create a better understanding of the physical and mental health of the school child, and gives special attention to the exceptional or handicapped child, to the detection of defects by testing and observation, and to the facilities available for the correction of defects. **Prerequisite:** Hygiene 120 or its equivalent; Junior standing. 8:40. Miss Gilbert.

IV. Zoology

120. Animal Biology. (4 q. hrs.) A consideration of fundamental biological principles based upon animal material. The structure of cells, tissues, and organs, together with their functions, is considered. **Laboratory fee \$1.00.** 7:30 daily, 8:40 TF. Mr. Peterka.

121. Animal Biology. (4 q. hrs.) This course is concerned with the various types of reproduction in animals, with genetics and eugenics, and with fundamentals of classification. **Prerequisite:** Zoology 120 or its equivalent. **Laboratory fee \$1.00.** 11:00 daily, 9:50 TF. Mr. Riegel.

122. Animal Biology. (4 q. hrs.) Structure and habits of the animals of the various divisions of the animal kingdom. Students must buy or rent a set of dissecting instruments. **Laboratory fee \$1.00.** 3:50 daily, 2:40 MTh. Mr. Hartley.

125. Nature Study. (4 q. hrs.) A study of the insects which are common in the local environment. Means of recognition, life-history studies, and control measures are stressed. The insects of the fields, woods, and waters are studied as well as those found on the various farm crops. Much of the work is done in the field. **Laboratory fee \$1.00.** 1:30 daily, 2:40 MW. Mr. Riegel.

225. Anatomy. (4 q. hrs.) Bodily structure is first studied by systems, followed by consideration of regions to establish the relationship among the systems. Particular attention is given to muscles, their names, origin, insertion, action, blood and nerve supply, with the specific object of providing a basis for the understanding of general body movements. **Laboratory fee \$1.00.** 7:30 to 9:40 MTTT. Mr. Cavins.

231. Vertebrate Zoology. (4 q. hrs.) Amphibians and reptiles. **Prerequisite:** Zoology 120, 121. **Laboratory fee \$1.00.** 1:30 daily, 2:40 TTh. Mr. Peterka.

343. Entomology. (4 q. hrs.) A study of insects. Deals with the classification and ecology of this large and important class. Methods of collection and preparation of specimens are studied. **Pre-**

requisite: Zoology 120, 121, 122. Laboratory fee \$1.00. 1:30 daily, 2:40 MW. Mr. Riegel.

446. **Microtechnic.** (4 q. hrs.) Methods and practice in the preparation of microscopic slides of animal tissues. Some histological studies are included. Prerequisite: Two years of zoology and permission of the instructor. Laboratory fee \$1.00. 2:40 to 4:50 MTTF. Mr. Scruggs.

V. Physiology

345. **Physiology.** (4 q. hrs.) A study of the basic physiological principles is followed by experimental studies of muscle-nerve complexes, circulation, respiration, and digestion. Prerequisite: Zoology 225. Laboratory fee \$1.00. 9:50 daily, 11:00 MW. Mr. Peterka.

BUSINESS EDUCATION

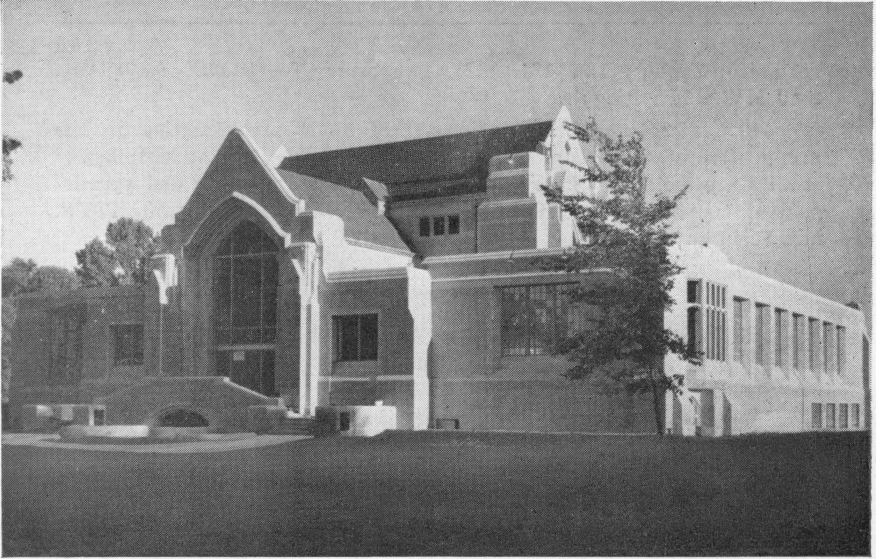
110. **Typewriting.** (4 q. hrs.) Elementary instruction in typewriting. The work includes development of correct writing habits, drills in rhythm, simple tabulation, and letter writing. Speed requirement: Minimum of twenty net words per minute for five minutes with three errors or less. Fee \$1.00. 7:30. Mr. Thompson.

111. **Typewriting, Continued.** (4 q. hrs.) This course includes the typewriting of different types of business letters, special attention being given to the form, arrangement, and style. It also includes the typewriting of telegrams, cablegrams, radiograms, manuscripts, reports, rough drafts, displayed matter, tabulations, billing, and common forms of legal documents. Speed requirement: minimum of thirty net words per minute for ten minutes with five errors or less. Prerequisite: Business Education 110 or the equivalent. Fee \$1.00. 9:50. Mr. Fagan.

112. **Typewriting, Continued.** (4 q. hrs.) In this course, skill development is continued at a higher level. More advanced work is given in business letters, telegraphic communications, tables and other statistical matter, billing and business instruments, legal and business documents, and related typing projects. Speed requirement: minimum of forty net words per minute for ten minutes with five errors or less. Prerequisite: Business Education 110, 111 or the equivalent. Fee \$1.00. 9:50. Mr. Fagan.

120. **Penmanship.** (1 q. hr.) A course designed to improve handwriting at the desk and blackboard and to present methods of teaching handwriting. Section I, 8:40. Miss Hunter; Section II, 2:40. Miss Hunter.

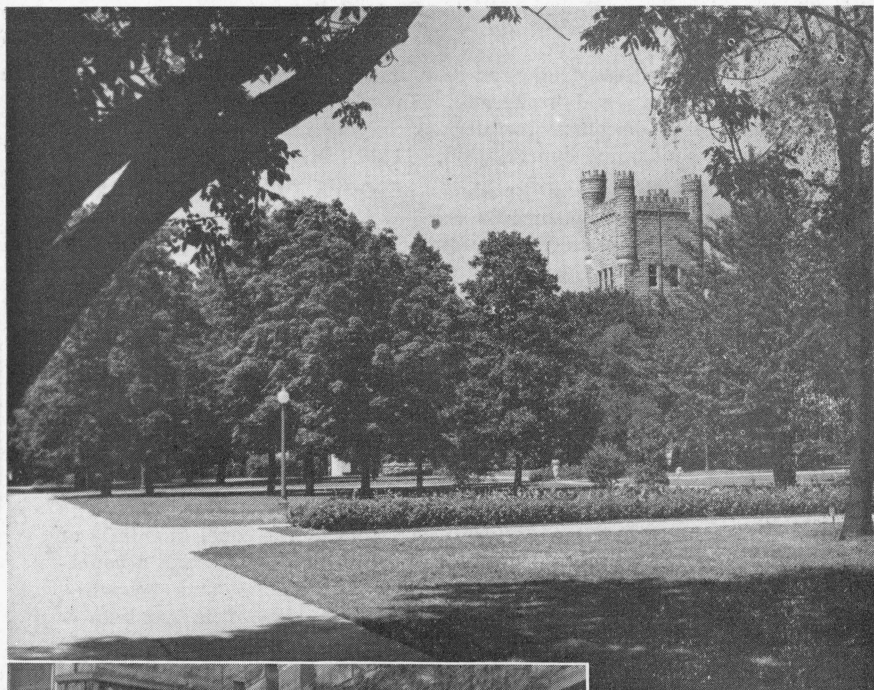
140. **Business Mathematics.** (4 q. hrs.) This course is a preparation for the courses in accounting. It covers the simpler exercises and problems of everyday business calculations—including such topics as the use of aliquot parts, practical short methods of calculations,



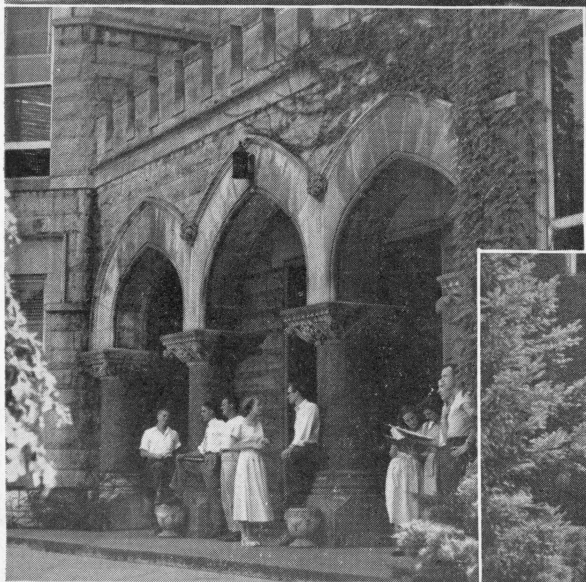
Mary J. Booth Library, in use for first time, Summer, 1950



Pemberton Hall, women's dormitory, erected in 1909

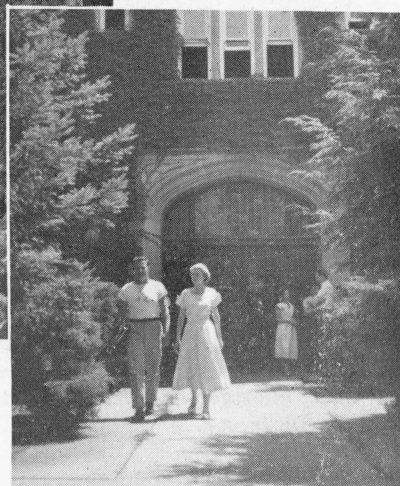


Above—Central campus
as it looks following
re-landscaping com-
pleted in 1949



Above—Front Entrance, Old Main

Right—Entrance to Practical Arts
Building



fractions, percentage, trade and cash discount, profit and loss, marked price, commission and brokerage, banker's, accurate, and compound interest, bank discount, installment buying, taxes, fire insurance, stocks and bonds, and depreciation. 11:00. Mr. Fagan.

212. Principles and Problems of Office Practice. (4 q. hrs.) Typewriting; filing; the use of voice writing equipment; duplicating and calculating machines. **Prerequisite: Business Education 210 and 211, or permission of the instructor.** Fee \$1.00. 8:40. Mr. Thompson.

231. Accounting, Continued. (4 q. hrs.) This course is a continuation of the work given during the first term of accounting with particular emphasis on the interpretation of accounts as applied to partnerships. A partnership set is used, illustrating the use of various books of original entry, controlling accounts, and adjusting and closing books. **Prerequisite: Business Education 230 or the equivalent.** 1:30. Mr. Dickerson.

232. Accounting, Continued. (4 q. hrs.) The third quarter's work in the first year accounting series. This course consists chiefly of changing partnership books to corporation books, corporation accounting, voucher system, accounting for departments and branches, accounting for non-profit organizations, and analysis of financial statements with interpretations. **Prerequisite: Business Education 230, 231.** 1:30. Mr. Dickerson.

248. Advertising and Selling. (4 q. hrs.) A general survey of the problems of selling and advertising, with special emphasis upon how each enters the life of the student; the psychology of salesmanship as it relates to the planning and execution of a sale; principles of general selling and advertising as they relate to selling. 7:30. Mr. Fagan.

340T. Methods of Teaching Typewriting and Office Practice. (4 q. hrs.) Methods of teaching both beginning and advanced typewriting courses are included. Demonstrations are given in the teaching of typewriting techniques. Proficiency in the subject matter must be demonstrated before credit in this course is granted. 11:00. Mr. Thompson.

340B. Methods of Teaching Bookkeeping and Business Arithmetic. (4 q. hrs.) In this course a critical study is made of the teaching of elementary bookkeeping by modern methods. In addition to lectures and discussions, there is sufficient laboratory work to insure mastery of the subject in its relation to the problems of the teacher. 9:50. Mr. Dickerson.

447. Business Law, Continued. (4 q. hrs.) This course is a continuation of Business Education 446 and considers insurance; bailments; carriers; sales; partnerships; corporation; deeds of conveyance; mortgages; landlord and tenant and business crimes. 8:40. Mr. Dickerson.

EDUCATION

228. Reading. (4 q. hrs.) An introduction to a study of the principles and the methodology of teaching reading in the elementary grades. Major emphasis is placed on silent and oral work-type reading. The objectives, instructional materials, and the teaching problems to be developed in each stage of reading experience form the basis for classroom discussion. The skills, attitudes, and abilities of each stage are considered. Demonstrations in the laboratory school are arranged for class observation and discussion. The place of phonics, the construction and use of tests, the making and use of good seat work, and the use of drills are topics carefully considered. **Prerequisite: Education 231 and 232.** 9:50. Mr. Edwards.

230. An Introduction to Education. (4 q. hrs.) A comprehensive survey of the field of education designed to give an understanding of the development of the American school system, to aid in the analysis of current trends in American education, and to create an appreciation for teaching as a profession. Section I, 8:40. Mr. Phillips; Section II, 11:00. Mr. Phillips.

231. Introduction to Educational Psychology. (4 q. hrs.) A beginning course. Major topics treated are schools of psychology; the physical basis of behavior; native and acquired responses; mental hygiene; and individual differences. Section I, 7:30. Mr. Schmidt; Section II, 9:50. Mr. Schmidt.

232. Educational Psychology. (4 q. hrs.) The first four weeks are devoted to a study of the learning process. The second four weeks are devoted to a study of human growth and development. **Prerequisite: Education 231.** Section I, 8:40. Mr. Heise; Section II, 1:30. Miss Lawson.

233. Rural School Observation. (4 q. hrs.) Planned to help teachers in one-room and other small schools to understand children; how they grow, develop, and learn how to discover their needs and how to help them meet their needs; what to teach them; how to organize the school; how to set up the daily program; and other like problems. The new Illinois Curriculum Guide is studied intensively. 9:50. Mr. Olsen.

234. Directed Study and Observation of Teaching. (4 q. hrs.) The problems and duties of the elementary teacher are studied through observations in classrooms, reading, and discussion. Such topics as classroom organization and management, teaching procedures, learning materials, planning the daily program, records and reports, promotions, school environment, parent-teacher-pupil relationships, and evaluation of the work of the school are considered as these affect the learning activities of children. **Prerequisite: Education 230, 231, 232.** 8:40. Mr. Olsen.

325. Primary Education. (4 q. hrs.) A course devoted primarily to a study of problems pertaining to teaching in the first three grades. The principal topics for discussion are the mental, physical, and social growth of the child during the pre-school and primary grades periods; the aims and the curricula of the nursery school and the kindergarten; the aims, the curricula, the equipment, and the materials of the primary grades; teaching the various subjects in the curriculum of the primary grades; and the personal characteristics and professional preparation of the primary teacher. **Prerequisite:** Twelve quarter hours in education. 11:00. Mr. Olsen.

343. Principles of Education. (4 q. hrs.) The course deals with properties of the human organism that make education possible, properties of society that make education necessary, historical concepts that have dominated organized education, the place of education in a democratic society, and the aims of education in a democratic society. Emphasis is placed upon a study of recent social trends and their implications for education. **Prerequisite:** Education 230, 231, 232. 1:30. Mr. Phillips.

344. Tests and Measurements. (4 q. hrs.) About one-third of the time is devoted to educational statistics. The remainder of the time is devoted to a brief study of the testing movement, advantages and limitations of various types of tests, criteria for the selection of tests, examination of numerous standardized tests, and the construction of tests in the student's major field. **Prerequisite:** Education 230, 231, 232. Section I, 11:00. Mr. Ziegel; Section II, 1:30. Mr. Rothschild.

345. Directed Study and Observation of Teaching. (4 q. hrs.) Problems pertaining to the extra-instructional and the instructional activities of the secondary teacher are discussed. Observations in the Training School are an integral part of the course. **Prerequisite:** Education 230, 231, 232. 7:30. Mr. Harris.

351. Applied Psychology. (4 q. hrs.) This course deals with the principles of mental behavior as they are related to the various fields of experience. Special reference is directed to the psychological factors involved in business, industry, law, medicine, the arts, human relations, and other areas of human endeavor. **Prerequisite:** Education 231 and 232. 8:40. Mr. Rothschild.

447. Social Psychology. (4 q. hrs.) This course deals with the various phases of social behavior. Some of the problems dealt with are instinctive adaptation to social situations; group and individual reactions to social phenomena; customs; fashions; fads; conventions; national and racial attitudes; occupations; institutions; and the social self in the present-day world. **Prerequisite:** Sixteen quarter hours in education. 7:30. Mr. Heise.

448. School Organization and Administration. (4 q. hrs.) This is an introductory course for students who desire a knowledge of prob-

lems in educational organization, administration, and supervision in local units, the state, and the nation. School law and finance as well as current educational problems receive attention. **Prerequisite: Sixteen quarter hours in education.** 11:00. Mr. Metter.

451. Abnormal Psychology. (4 q. hrs.) The purpose of this course is to acquaint the student with various forms and types of abnormal behavior. Stress is given to these patterns as they affect the relations between the teacher and the pupil. Attention is given to a study of the adolescent. The philosophy of mental hygiene is integrated throughout the course, stressing the application of these hygienic principles in developing proper behavior patterns in the school and the community. **Prerequisite: Sixteen quarter hours in education.** 11:00. Mr. Rothschild.

453. Extra-Curricular Activities. (4 q. hrs.) The aim of this course is twofold: (1) To set up guiding principles for pupil participation in the life of the school. In doing this, emphasis is placed upon such activities as home-room and class organizations, student councils, assemblies, publications, forensics, clubs and societies, commencements, athletics, social activities, and other activities for elementary and secondary schools; (2) To acquaint teachers with out-of-school agencies which can facilitate the work of teachers and which teachers may be called upon to encourage, such as the P.T.A., Junior Red Cross, state agencies such as the Conservation Department, Biological Survey, State Department of Public Health, Boy and Girl Scouts, and others.

If the class interests should make it desirable, the Scouters Basic Training Course will be made an optional part of the course. Instruction will be provided by qualified Scouters and a certificate will be awarded by the Scout organization for the satisfactory completion of the course. **Prerequisite: Sixteen quarter hours in education.** 1:30. Mr. Schmidt.

454. Principles and Techniques of Guidance. (4 q. hrs.) This course deals with the principles and purposes underlying guidance activities, the organization for carrying on such activities, and a study of means by which counseling activities may be carried on in small communities as well as in larger systems. The guidance point of view and the role of the classroom teacher in a guidance program are emphasized. **Prerequisite: Sixteen quarter hours in education.** 7:30. Mr. Zeigel.

455. Mental Hygiene. (4 q. hrs.) A course stressing the normal individual's problem of maintaining his own mental health with secondary consideration of the significance to the community of mental illness in the cost of maintaining institutions, in crime, delinquency, suicide, alcoholism, and the like. Study of the physical, mental, emotional, and social factors underlying mental health; the right and wrong use of mental mechanisms; the rise and development of the

mental hygiene movement; and the application of its principles to home, school, and social situations. **Prerequisite: Sixteen quarter hours in education.** 9:50. Mr. Cavins.

456. Introduction to Audio-Visual Education. (4 q. hrs.) Practical theory and principles for use of multi-sensory materials and equipment in teaching. Typical considerations are: guidance in use of materials and equipment; evaluation of program; selection, purchase or production of materials; types of materials most in demand for each level and area of the curriculum. 8:40. Mr. Byrnes.

457. Educational Sociology. (4 q. hrs.) Applications from the general field of sociology to the problems of the school. Personality and culture, the school in its community, marriage and family living, juvenile delinquency, intergroup relations, group dynamics, sociometry, role-playing, and communication are studied in their relationships to student learning. 9:50. Mr. Harris.

460. Problems in Secondary Education. (4 q. hrs.) An exploratory course which begins with the origins of the secondary school in America, and traces the most important influences in its growth and development to the present time. Such important problem areas are brought under study as the characteristics of the school's age-group, intra-school and inter-school relations, parallel educational agencies, the Illinois Secondary School Curriculum Program, and the issues and functions of secondary education. 1:30. Mr. Harris.

ENGLISH

120. Composition. (4 q. hrs.) A basic course in communication, including listening, reading, speaking, and writing. Many short themes required to develop facility in writing correct, effective sentences and paragraphs. Some study of rhetorical and grammatical principles and their application to expression. 8:40. Mr. Kline.

121. Composition. (4 q. hrs.) The second quarter's work in English for freshmen. 11:00. Miss Cline.

122. Literature in the Grades. (4 q. hrs.) Great bodies of world literature—myth, legend, etc.— and poetry for children. 1:30. Mr. Widger.

126. Grammar. (4 q. hrs.) A study of the English sentence with some attention to the parts of speech. Methods are illustrated and stressed. This is primarily a course for those preparing to teach in the upper grades or in junior or senior high school English, but is open to any student who feels the need of grammatical insight. 9:50. Mr. Waffle.

230. Nineteenth Century Prose Fiction. (4 q. hrs.) English 230 treats of fiction of the first half of the nineteenth century with emphasis upon the novels of Austen, Thackeray, Dickens, and Hawthorne. Standards of good fiction, past and present, are discussed. 7:30. Mr. Blair.

234. American Literature. (4 q. hrs.) A survey of American literature from the beginning to the present, stressing trends and major writers, with as much reading in the originals as possible. 1:30. Mr. Kline.

236. Shakespeare and the Elizabethan Drama. (4 q. hrs.) A study of Shakespeare's most important plays, and their place in the development of English drama. Some attention is given to the chief dramatists contemporary with Shakespeare. 8:40. Miss Cline.

237. Modern Drama. (4 q. hrs.) The purpose of this course is to familiarize the student with what is best in modern drama. 9:50. Mr. Palmer.

240. Literature of the Old Testament. (4 q. hrs.) An objective study of the various types of literature of the Old Testament—simple narratives, biography, history, law, short story, drama, prophecy, poetry, and wisdom literature. Some attention will be paid to historical backgrounds. 11:00. Mr. Widger.

343. Contemporary Literature. (4 q. hrs.) Extensive reading in current literature introduces the student to the best that is being written today, and provides him with some standards of judgment with the hope of stimulating his enthusiasm for good books. 1:30. Mr. Waffle.

344. Advanced Rhetoric. (4 q. hrs.) Chiefly written composition, applying the principles of organization and effective expression to somewhat more extended material than do English 120 and 121. The course is intended to give both an introduction to the methods of research and opportunity for original work. **Prerequisite:** Twelve quarter hours of English. 7:30. Mr. Waffle.

346. English Poetry, Beowulf to Milton. (4 q. hrs.) English poetry from its Anglo-Saxon beginnings through the Middle Ages and the Renaissance. 9:50. Mr. Kline.

348. Nineteenth Century English Poetry. (4 q. hrs.) Early Romanticists: Wordsworth, Coleridge, Byron, Shelley, Keats, and their contemporaries. Victorians: Tennyson, the Brownings, Arnold, Clough, and Fitzgerald. Post-Victorians: the Rossettis, Morris, Swinburne, Hopkins, and Bridges. 11:00. Mr. Blair.

451. History of English Literature. (4 q. hrs.) The development of English literature from Anglo-Saxon times to the present, with a glance at the American branch, drawing together all previous literature courses. 7:30. Miss Cline.

FOREIGN LANGUAGE

I. Spanish

130. First Quarter of First Year Spanish. (4 q. hrs.) Fundamentals of grammar; principles of pronunciation; drill in pronunciation; graded readings. 1:30. Miss Michael.

339. Selected Spanish Novels. (4 q. hrs.) 1:30. Mr. Guinagh.

II. French

236. Rapid Reading Course. (4 q. hrs.) This course is designed for students who have had one year of French and wish to limit their efforts to acquiring proficiency in the reading of the language. 8:40. Miss Michael.

237. French Laboratory. (4 q. hrs.) Intensive work in French pronunciation using the Language Phone Method, records with text published by Funk and Wagnall. Tape recordings are made of each lesson so that progress is checked daily. This course may be pursued by students at different levels. 9:50. Miss Michael.

GEOGRAPHY

120. Principles of Human Geography. (4 q. hrs.) A survey of the basic relationships between the natural environment and man's activities. This course is organized as a service course for those who are preparing for elementary school teaching and as a foundation for those who have selected geography as a major or minor subject. 9:50. Mr. Barton.

130. Geography of North America. (4 q. hrs.) A study of the countries of North America, with special reference to the United States, showing the geographic basis for their stages of development and commercial relations. **Prerequisite: Geography 120.** 8:40. Miss Zeller.

221. Climatology. (4 q. hrs.) An elementary treatment of weather and climate which serves not only as a basis for geographic interpretations, but for advanced work in meteorology and navigation, both of which are of increasing importance in air transportation. 11:00. Mr. Barton.

231. Geography of South America. (4 q. hrs.) This course includes a study of all Latin America. It shows the geographic basis for their stages of development and for their commercial relations especially with the United States. It furnishes a background for understanding the "good neighbor" policy. **Prerequisite: Geography 120, 221.** 7:30. Miss Zeller.

236. Elements of Geology. (4 q. hrs.) An elementary course which deals with the history of the earth and development of life upon it. The collection and identification of common rocks and minerals is part of the course. 8:40. Mr. Retallick.

280F (50). Field Studies in Regional Geography of North America. (4 q. hrs.) This course is designed to acquaint the student with the techniques of field observation and study, in addition to providing a knowledge of the geography and geology of much of the central part of the United States. Classwork will be supplemented with four week-end trips which will include portions of six states: Illinois, Indiana, Kentucky, Tennessee, Arkansas, and Missouri. Some

of the areas of interest are: the Kentucky Bluegrass Region, Mississippi Delta Land, Ozark Mountains, Mammoth Cave, Indiana Sand Dunes, glaciated and unglaciated Illinois, and the Lake of the Ozarks. Students will have the opportunity of studying large industrial areas, i. e., Chicago and St. Louis and many different agricultural areas. A field study fee of approximately \$65 to cover cost of transportation, lodging, and admission fees will be charged each student. 1:30. Mr. Barton.

343. Geography of Europe. (4 q. hrs.) A study of the countries of Europe showing the geographic basis for their stages of development and commercial relations; emphasis upon current problems. **Prerequisite:** Geography 120, 221. 11:00. Mr. Retallick.

447. Economic Geography. (4 q. hrs.) An advanced course for teachers of commercial geography in high school or for persons interested in studying the economic conditions which affect our daily lives. **Prerequisite:** Senior college standing. 7:30. Mr. Retallick.

448. The Conservation of Natural Resources. (4 q. hrs.) A study of problems dealing with the conservation of soil, minerals, forests, animals, and waters, with special reference to the United States. **Prerequisite:** Senior college standing. 9:50. Miss Zeller.

HOME ECONOMICS

201. Clothing Construction. (4 q. hrs.) Fundamental principles of clothing construction. Either this course or 304 offered according to demand. **Prerequisite:** Home Economics 101. **Fee 50 cents.** 7:30 to 9:40. Miss Devinney.

205. Food Preparation and Meal Service. (4 q. hrs.) Fundamental processes in planning, preparing, and serving family meals. Consideration is also given to the selection of foods in the markets. This course is offered to students not majoring in Home Economics who desire some practical knowledge of preparing and serving food. **Fee \$2.00.** 9:50 to 12:00. Miss Devinney.

304. Advanced Clothing. (4 q. hrs.) Selection and construction of tailored garments. Either this course or 201 offered according to demand. **Prerequisite:** Home Economics 101, 201, 232. **Fee 50 cents.** 7:30 to 9:40. Miss Devinney.

345. Home Management. (4 q. hrs.) Experience in the practical application of the principles of household management is offered through a period of eight weeks' residence in the Home Management House. **Prerequisite:** Junior standing and permission of the instructor. **Enrollment is limited.** Miss Devinney.

INDUSTRIAL ARTS

135. Intermediate Woodwork. (4 q. hrs.) Continuation of Industrial Arts 134. **Prerequisite:** Industrial Arts 134. **Fee \$2.00.** 7:30 to 9:40. Mr. Fowler.

136. General Metal. (4 q. hrs.) This course is planned to develop manipulative skill in the use of hand tools for working common metals as tool steel, mild steel, and art metals. Processes in bending, beating, shaping, and finishing hot and cold metal are studied. A study of metal working tools and materials is considered. **Fee \$3.00.** 1:30 to 3:40. Mr. Gunderson.

224. Primary Grade Handwork. (4 q. hrs.) Handwork with paper, raffia, reeds, and clay. **Fee \$2.50.** 1:30 to 3:40. Mr. Duncan.

225. Intermediate Grade Handwork. (4 q. hrs.) Woods, ceramics, metals, and graphic arts. **Fee \$2.50.** 9:50 to 12:00. Mr. Duncan.

226. Sheet Metal. (4 q. hrs.) Special emphasis is given to the development of skill in the use of hand tools for shaping sheet metal. The use of machines is also included. A study of pertinent subject matter is a part of the course. Some practice in surface development is given. 1:30 to 3:40. Mr. Landis.

232. Mechanical Drawing II. (4 q. hrs.) This course is a continuation of Industrial Arts 231 and includes the development of surfaces, pictorial drawing, treatment of scientific data for popular consumption, representations of fasteners used in machine design, and a study of the standards and methods of drafting as used in the larger industries. **Prerequisite: Industrial Arts 231. Fee \$1.50.** 7:30 to 9:40. Mr. Klehm.

233. Machine Drawing III. (4 q. hrs.) This course, which emphasizes the technique of drafting, includes the making of complete drawings of machines. The analysis of projects and shop sketching receives special attention. The standards and methods of the larger industries are applied to all of the work of the course. Reproducing drawings is included. **Prerequisite: Industrial Arts 232. Fee \$1.50 (includes drawing paper).** 7:30 to 9:40. Mr. Klehm.

240. Recreational Craftwork. (4 q. hrs.) Instruction and working experience in the areas of woodcraft, plastics, block printing, art metal, Keene cement. Students electing this course may not elect Industrial Arts 225 for credit. **Fee \$2.50.** 7:30 to 9:40. Mr. Duncan.

259. Printing I. (4 q. hrs.) Fundamentals of hand composition and platen presswork; methods of teaching printing in secondary schools. **Fee \$2.00.** 9:50 to 12:00. Mr. Landis.

260. Printing II. (4 q. hrs.) Elements of typographical design as applied to common business forms and commercial printing. Instruction and practice in platen and cylinder presswork. **Prerequisite: Industrial Arts 259. Fee \$2.00.** 9:50 to 12:00. Mr. Landis.

275. Woodturning. (2 q. hrs.) In this course a study is made of the operation and care of lathes. Training is given in the use of lathe tools for spindle and face plate turning. Students must register for Industrial Arts 275 and 444. **Prerequisite: Industrial Arts 134. Fee \$1.50.** 1:30 to 3:40. Mr. Fowler.

336. Machine Woodwork. (4 q. hrs.) This is a course which stresses furniture and cabinet making with the use of woodworking machines. The care and adjustment of machines are included. Those who take this course may expect the variety of projects to be limited in order that certain essentials may be covered. **Prerequisite: Industrial Arts 135.** Fee \$2.00. 9:50 to 12:00. Mr. Fowler.

340. Methods of Teaching Industrial Arts. (4 q. hrs.) The problem of organization of industrial arts subject matter for instructional purposes is the primary aim of this course. Analyses of processes is the method of approach. The determination of equipment lists based upon the teacher's objectives is included. **Prerequisite: Six industrial arts laboratory courses with at least two in the same subject.** 11:00. Mr. Klehm.

352. Machine Shop I. (4 q. hrs.) This course presents the basic principles of machine work as applied to the engine lathe. The operation, adjustment, care, and repair of the lathe are covered. Fee \$3.00. 7:30 to 9:40. Mr. Gunderson.

354. Machine Shop II. (4 q. hrs.) This course covers additional fundamental principles of machine work with applied laboratory work on the drill press, milling machine, and shaper. The care and repair of these machines are included. **Prerequisite: Industrial Arts 352.** Fee \$3.00. 7:30 to 9:40. Mr. Gunderson.

361. Linotype Operation and Maintenance. (4 q. hrs.) This course includes instruction in the care, adjustment, and repair of the linotype as well as practice in the operation of the machine. **Prerequisite: Industrial Arts 260.** Fee \$3.00. 7:30 to 9:40. Mr. Landis.

444. Saw Fitting. (2 q. hrs.) This course includes instruction in the care, repair, polishing, straightening, joining, filing and setting of hand and circular saws. Students must register for both Industrial Arts 275 and 444. **Prerequisite: Industrial Arts 336.** Fee \$1.25 (includes supplies). 1:30 to 3:40. Mr. Fowler.

451. Organization of Subject Matter. (2 q. hrs.) This is a continuation of Industrial Arts 340 and involves advanced work in the preparation of instructional material with a view to providing for individual progress. (This course can be taken only by special arrangement with instructor in advance of registration.) **Prerequisite: Industrial Arts 340.** 1:30. Mr. Klehm.

460. Gas and Electric Arc Welding. (4 q. hrs.) This course is devoted to a study of the technical materials in welding and the development of skill in welding with gas, with direct current electricity, and with alternating current electricity. Fee \$5.00. 9:50 to 12:00. Mr. Gunderson.

LIBRARY

120. Use of the Library. (1 q. hr.) 2:40 TTh for first six weeks. Mr. Eberhardt.

320. Organization and Administration of School Libraries. (4 q. hrs.) Relation of the library to the school program; school library standards; administrative procedures, records and reports. Designed to integrate the work in library science, and to present some of the broader aspects of the school library as a service agency. 11:00. Mr. Eberhardt.

441. Observation and Practice. (4 q. hrs.) Observation and supervised practice in the College and Training School Libraries, designed to familiarize the student with library procedures under actual working conditions. Prerequisite: Library Science 320. 8:40. Mr. Schaupp.

450. Reference Materials and Methods. (4 q. hrs.) The school library as an information center; selection and use of practical reference tools; nature and use of the vertical file; the preparation of book lists and annotated bibliographies. 1:30. Mr. Eberhardt.

MATHEMATICS

120. The Science, Psychology, and Teaching of Number. (4 q. hrs.) The subject matter and technique of teaching mathematics in the first six grades. 8:40. Miss Hostetler.

121. Mathematics in the Upper Grades. (4 q. hrs.) The subject matter of the upper grades is discussed from the standpoint of the psychological and scientific development and of its use. 11:00. Miss Hostetler.

133. Field Work. (4 q. hrs.) Theory and use of the slide rule, spherical trigonometry and applications to elementary celestial navigation, elementary problems in surveying, construction and use of the plane table. Prerequisite: Plane trigonometry. 1:30. Mr. Heller.

134. Analytic Geometry. (4 q. hrs.) Fundamental principles; the conic sections. Prerequisite: Mathematics 130, 131. 9:50. Miss Hostetler.

228. College Geometry. (4 q. hrs.) The objects of this course are to improve and extend the student's knowledge of the content and methods of Euclidian geometry and to give an introduction to modern geometry. Geometry of the triangle; homothetic figures; harmonic range; cross ratio; introduction to the notion of duality; Desargue's theorem and other classic theorems. Prerequisite: Mathematics 134. 8:40. Mr. Ringenberg.

343. Algebra. (4 q. hrs.) Topics in the theory of equations; theorems about the roots of equations, Horner's and Newton's methods, the cubic and quartic equations, symmetric functions, regular polygons, the trisection problem, determinants and matrices, systems of linear equations. Prerequisite: Mathematics 235. 1:30. Mr. Ringenberg.

345. Calculus. (4 q. hrs.) Introduction to differential equations; Taylor's theorem; double and triple integration. Prerequisite: Mathematics 235, 236. 11:00. Mr. Ringenberg.

MUSIC**I. Theory and Music Education**

120. Introduction to Music. (4 q. hrs.) Primary emphasis of the course is placed upon the musical development of the prospective teacher by means of group and individual singing, bodily movement in response to rhythms, study of elementary music theory, ear-training, and simple dictation, music reading, study of the elements of design in music, and acquaintance with music literature used in the appreciation phase of the elementary school music curriculum. 7:30. Mr. Westcott.

123. Theory of Music. (2 q. hrs.) A study of the elements of music—melody, harmony, and rhythm. Aural analysis of scales, chords, intervals, key relationships, melodies, and rhythms; the techniques of transferring these sounds to musical notation. Synthesis through sight singing and simple keyboard harmony. 7:30. Mr. Boyd.

228. Music in Elementary Schools. (4 q. hrs.) A study of the objectives, methods, and materials of music education in the elementary grades. Teaching theories and basic principles underlying the musical development of the child are discussed in class and made clear through observation of music teaching in the Training School. 11:00. Mr. Dvorak.

229. Music Appreciation. (4 q. hrs.) A non-technical course, planned to increase the listener's enjoyment of music. A study is made of various types and forms of music, and favorite selections from the great music literature are made familiar through hearing and analysis. 1:30. Mr. Boyd.

340. Methods of Teaching Music in the Secondary Schools. (4 q. hrs.) The music curriculum of the junior and senior high schools is studied with special emphasis upon the organization and development of music classes and organizations; the selection of materials for programs, contests, and festivals; the production of operettas; the content of credit courses in music; the use of music tests. 11:00. Mr. Westcott.

351. History of Music. (4 q. hrs.) This course emphasizes the development of music from its beginning to the present time. A survey is made of schools, nationalities, composers, emphasizing representative musical literature. 7:30. Miss Smith.

449. Beginning Choral Conducting. (2 q. hrs.) The problem of conducting is approached through a study of the vocal score. The theories and principles of baton technique are discussed and practiced. Choral literature is analyzed for means of determining criteria for effective interpretation and performance. 8:40. Mr. Dvorak.

452. Psychology of Music. (4 q. hrs.) A study of psychological concepts of musical factors; the development of musical feeling; analysis of musical talent; testing and guidance programs; analysis

of factors in musical performance; timbre characteristics of the voice and of musical instruments. 9:50. Mr. Dvorak.

II. Class Methods of Instruction

126. Class Instruction in Piano. (1 q. hr.) A beginning course intended for students who have had no previous piano study. This year's work substitutes for first year piano in applied music. Stress is placed on the development of ability to play simple melodies and accompaniments including sight-reading. 1:30. Miss Smith.

236. Woodwind Class Methods—Clarinets. (2 q. hrs.) Fee \$1.00. 2:40. Mr. Boyd.

237. Brass Class Methods—Trumpet and French Horn. (2 q. hrs.) Fee \$1.00. 8:40. Mr. Westcott.

337. Brass Class Methods—Baritone, Trombone, Tuba, and Percussion. (2 q. hrs.) Fee \$1.00. 9:50. Mr. Westcott.

356. Woodwind Class Methods—Flute, Oboe, Bassoon. (2 q. hrs.) Fee \$1.00. 9:50. Mr. Boyd.

III. Applied Music

Courses in applied music are available in the fields of piano, brass and woodwinds. Students should consult the head of the department.

PHYSICAL EDUCATION

MEN

For a statement of the residence requirement in physical education, see Physical Education for Women.

120. Sport Technique in Tennis, Golf, Archery, and Badminton. (4 q. hrs.) The rules and technique of tennis, golf, archery, and badminton; conduct of tournaments; also teaching and appreciation of these sports. 9:50.

226. Physical Education Activities for Elementary, Junior and Senior High Schools. (4 q. hrs.) This course includes the study and practice of the physical education activities for the different age levels, including the organization, management, and methods in the leadership of the various activities. 8:40.

244. Kinesiology. (4 q. hrs.) A study is made of the science of body mechanics. The topics that are studied are laws of physics applied to activity, joint movements, motion of muscle groups in producing motion, analysis of fundamental body movements, and the adaptation of gymnastic exercises to posture training and sport activities. Prerequisite: Zoology 225. 7:30. Mr. White.

347. Basketball Coaching. (4 q. hrs.) This course deals with the professional aspect of basketball coaching. It involves offensive and defensive styles of play, fundamentals, team play, and a study of the rules including the change of rules, and conduct of tournament play. 7:30. Mr. Miller.

348. Football Coaching. (4 q. hrs.) This course deals with the fundamentals of football, including blocking, tackling, passing, kicking, offensive and defensive line and backfield play, and the different systems of play. 9:50. Mr. Miller.

349. Track and Field Coaching. (4 q. hrs.) This course deals with track and field events. The technique of running and starting is studied. Form in the following events is studied: Pole vault, shot, discus, high and broad jump, javelin, and the hurdles. Organization of different types of meets; study of rules, and appreciation of track and field performances. 1:30. Mr. Miller.

350. Baseball Coaching. (4 q. hrs.) The course includes the techniques of batting, fielding, playing the different positions; the strategy of baseball, the conduct of daily practice, rules and play situations; also methods of teaching baseball and understanding baseball. Major League vs. college baseball is discussed. 8:40. Mr. Lantz.

451. History and Principles of Physical Education. (4 q. hrs.) A review of the historical background of physical education traces the influences that have contributed to the development of the modern philosophy of physical education. The course also considers the relationship of physical education to general education and the principles upon which the program of physical education is based. The standards and objectives of physical education are considered. 9:50. Mr. White.

452. Physical Education Administration and Supervision. (4 q. hrs.) This course deals with program building and the responsibilities of an administrator. It considers the standard of professional qualifications, the planning of courses of study, the construction, equipment, and upkeep of gymnasiums and playfields, records, inter-school relationships, and the intramural program. 11:00. Mr. Lantz.

Note: Service courses in men's physical education are available at 2:40 MWTh.

WOMEN

Theory Courses

131. First Aid and Safety Education. (4 q. hrs.) This course consists of (1) First aid treatment based upon American Red Cross regulations. Standard certificates are given on the completion of the work; (2) Safety in relation to the school situation and to physical education activities in particular. Open to men and women. 11:00. Miss McAfee.

234. Technique of Basketball and Volleyball. (4 q. hrs.) Instruction and practice in the fundamentals of these sports designed to develop the necessary motor skills and a knowledge of the rules preparatory to teaching them. 1:30. Miss Elliott.

346. The Dance in Education. (4 q. hrs.) The history of the dance, the dance as an art form, and the creative teaching of folk,

social, and modern dance in the public schools. **Prerequisite: One term of modern dance.** 7:30. Miss Babcock.

353. Technique of Individual Sports — Archery, Badminton, Tennis, Stunts. (4 q. hrs.) The fundamentals of coaching and officiating individual sports. Techniques and tactics of playing are stressed. **Prerequisite: Activity courses in the above sports or permission of the instructor.** 8:40. Miss Babcock.

458. Objectives of Physical Education and Administration of the Program. (4 q. hrs.) This is a condensation of Physical Education 451 and 456 and is planned for the physical education minor. No credit toward a major in physical education. 9:50. Miss McAfee.

Service Courses

Regular college students are required to attend classes in physical education during every quarter of residence, including summer terms, until nine quarters have been completed with passing grades.

Students who attend only in summer terms are governed by the following rules: Students who do not intend to become candidates for graduation are exempt from all requirements in physical education. Students who intend to become candidates for graduation must take physical education each summer until six quarter hours have been earned or until they have reached the age of thirty-eight. The preparation by the Dean or Registrar of an outline for graduation is interpreted as intent to become a candidate for graduation.

180. Archery. (1 q. hr.) 7:30. Miss McAfee.

186. Beginning Swimming. (1 q. hr.) Fee \$2.00. 11:00. Miss Babcock.

187. Beginning Tennis. (1 q. hr.) Must furnish own tennis racket and two balls. 7:30. Miss Elliott.

190. Folk and Square Dancing. (1 q. hr.) 9:50. Miss Babcock.

191. Beginning Modern Dance. (1 q. hr.) 2:40. Miss Babcock.

199. Fundamentals. (1 q. hr.) Understandings and principles of good body mechanics as related to everyday life. Awareness of tensions, balance, use of muscles in good and poor body mechanics, posture work. Techniques for relaxation. 8:40. Miss McAfee.

286. Advanced Swimming. (1 q. hr.) Fee \$2.00. 11:00. Miss Elliott.

287. Advanced Tennis. (1 q. hr.) Must furnish own tennis racket and two balls. 9:50. Miss Elliott.

316. Rhythms for Elementary Grades. (1 q. hr.) Meets two days a week. This is required of juniors who plan to graduate from the elementary curriculum. It does not replace their junior required physical education. 1:30. Miss McAfee.

317. Indoor Recreational Games for Elementary Grades. (1q.hr.) 2:40. Miss McAfee.

Courses for Individual Needs. Courses in modified form of activity are offered for students with individual problems. "Rest" classes for students whose physical condition will not permit any activity. Time arranged.

PHYSICAL SCIENCE

I. General Physical Science

100. General Physical Chemistry. (4 q. hrs.) **Laboratory fee \$1.00.** 7:30 daily, 8:40 TF. Mr. Railsback.

101. General Physical Science. (4 q. hrs.) A continuation of Physical Science 100. **Laboratory fee \$1.00.** 1:30 daily, 2:40 TT. Mr. Marcy.

102. General Physical Science. (4 q. hrs.) A continuation of Physical Science 100 and 101. Topics selected involve electricity, electrochemistry, chemical oxidation and reduction, atomic structure and chemical combinations, radioactivity and isotopes. **Prerequisite: Physical Science 100 and 101. Laboratory fee \$1.00.** Section I, 9:50 daily, 11:00 MTh. Mr. Marcy. Section II, 9:50 daily, 11:00 MTh. Mr. Railsback. Section II Physical Science 102 will be offered if the demand justifies it.

II. Chemistry

130. Elementary Chemistry. (4 q. hrs.) This course gives the student some understanding of the chemical world in which he lives and how it affects his life. The chemistry of several non-metals, including oxygen, hydrogen and chlorine, is studied along with atomic structure and the periodic table. **Fee of \$3.00 for breakage ticket.** 7:30 daily, 8:40 MTh. Mr. Marcy or Mr. Steele.

132. Elementary Chemistry. (4 q. hrs.) The third quarter of the year's sequence. A few of the more common metals are studied and an introduction to organic chemistry is given. The laboratory work is mainly beginning qualitative analysis. **Prerequisite: Chemistry 131. Fee of \$3.00 for breakage ticket.** 1:30 daily, 2:40 MWF. Mr. Steele.

234. Introductory Quantitative Analysis. (4 q. hrs.) The laboratory work includes calibration of quantitative apparatus and both gravimetric and volumetric types of experiments. Solutions, chemical equilibrium and the solubility product principle are studied in class. Chemistry 234 or 343 will be offered according to demand. **Prerequisite: Chemistry 132. Fee of \$3.00 for breakage ticket.** 7:30 daily, 8:40 MWF. Mr. Steele.

261. Intermediate Chemistry. (4 q. hrs.) Topics for study include those generally omitted and those to which very little attention is given in the general chemistry course. These include radioactivity and isotopes, electro-chemistry, chemical bonding, complex ions, silicon and fluorine chemistry, etc., which serve to round out one's general

chemistry background. Extensive use is made of library materials. **Prerequisite: Chemistry 132. Fee of \$3.00 for breakage ticket.** 9:50 daily, 11:00 MWF. Mr. Steele.

300. Photography. (4 q. hrs.) The general theory and use of the camera, types of emulsions, latent image, development, fixation, printing, enlarging, toning, filters, color photography, composition. A camera is required. The film and paper used is to be paid for by the student. **Prerequisite: One year of college laboratory science. Fee of \$3.00 for breakage ticket.** 9:50. Mr. Phipps.

343. Organic Chemistry. (4 q. hrs.) This course treats the aliphatic and aromatic series. Chemistry 234 or 343 will be offered according to demand. **Prerequisite: Chemistry 130, 131; Chemistry 132 or simultaneous registration. Fee of \$3.00 for breakage ticket.** 7:30 daily, 8:40 MWF. Mr. Marcy.

346. Physical Chemistry for Pre-Medical Students. (4 q. hrs.) A study of gas laws, liquids, solutions, chemical equilibrium, oxidation and reduction, colloidal substances, etc., as applied to the medical sciences. Mathematical requirements are kept at a minimum. **Prerequisite: Chemistry 234. Fee of \$3.00 for breakage ticket.** 1:30 daily, 2:40 MW. Mr. Phipps.

450. Advanced Chemistry. (4 q. hrs.) A problem course. **Fee of \$3.00 for breakage ticket.** Hours arranged. Mr. Phipps.

III. Physics

130. First Year College Physics. (4 q. hrs.) Mechanics. **Laboratory fee \$1.00.** 9:50 daily, 11:00 MTh. Mr. Lefler.

131. First Year College Physics. (4 q. hrs.) Heat, sound, and light. **Laboratory fee \$1.00.** 1:30 daily, 2:40 MW. Mr. Lefler.

339. Heat and Thermodynamics. (4 q. hrs.) Thermometry; expansion; changes of state; colorimetry; heats of combustion; heat transfer; gas laws; mechanical relations and heat engines; adiabatic transformations; entropy. **Prerequisite: First year college physics and Mathematics 235, 236. Laboratory fee \$1.00.** 7:30 daily, 8:40 TF. Mr. Lefler.

343. Elements of Electronics. (4 q. hrs.) Principles of vacuum tubes; types of tubes and their special uses; power supply; amplifier circuits, oscillators; tuned circuits; tube control circuits and their uses. This course is intended to provide the background for understanding the principles and uses of electronic equipment and also as a basis for Physics 345. It may be impossible to offer this course. Students interested in it are advised to write the instructor. **Prerequisite: First year college physics. Laboratory fee \$1.00.** 9:50 daily, 11:00 MTh. Mr. Railsback.

SOCIAL SCIENCE

137. Greek History with Its Oriental Backgrounds. (4 q. hrs.) This course includes a brief survey of Egypt and the Fertile Crescent

area, culminating in an optional trip to Chicago's Oriental Institute. The main body of the course is devoted to Greek history, as follows: Aegean backgrounds and the early Greek life; the Formative Age; Hellenic history and achievements; the Hellenistic world and its influence on the Roman Empire. 9:50. Mr. Guinagh.

138. Roman History. (4 q. hrs.) Roman history and its meaning for modern students. The Roman Empire tradition in the light of historical fact. 8:40. Mr. Guinagh.

139. Medieval Europe. (4 q. hrs.) The history of medieval Europe, emphasizing the emergence of modern nations and the background of modern problems for students of today. 7:30. Mr. Alter.

233. History of the United States to 1840. (4 q. hrs.) Survey of colonial history. The independence movement. The framing and adoption of the Constitution. The growth of American nationality. Western development and Jacksonian democracy. 1:30.

234. History of the United States, 1841 to 1898. (4 q. hrs.) Manifest Destiny and the slavery controversy. The Civil War and Reconstruction. The new industrial society and the agrarian movement. 7:30.

235. History of the United States since 1898. (4 q. hrs.) The War with Spain. The United States as a World Power. The growth of industry and the progressive movement. The First World War. Postwar problems. Depression and the New Deal. The Second World War. 8:40.

257. Rural Sociology. (4 q. hrs.) The rural environment; its people, institutions, and problems; governmental policy and the farmer. 1:30. Mr. Wood.

280F (50). Field and Class Study of North American History. (4 q. hrs.) The required historical study in this course includes the settlement of northern Illinois and Indiana, pioneer Kentucky, Arkansas, and Missouri. Class work is supplemented by four week-end field trips to points of historical interest in the Chicago area and northern Indiana, central Kentucky and southern Indiana (including places associated with the early life of Abraham Lincoln), western Tennessee, Arkansas, and southeastern Missouri, and central and northwestern Missouri (including the Mark Twain Country). The plan of the course will aid students in developing techniques of field work as well as an appreciation of the history of the Middle West. A field study fee of approximately \$65 is assessed each student. 1:30. Mr. Coleman.

345. History of the British Empire since 1830. (4 q. hrs.) The reformation of Parliament; the development of industry and commerce and trade rivalry; development of scientific thought; the First World War and its consequence; the Empire's greatest test in the Second World War. 11:00. Mr. Wood.

347. History of Europe, 1789 to 1914. (4 q. hrs.) French Revolution, Napoleonic Era, and Reconstruction by the Treaty of Vienna.

Industrial Revolution, Liberalism, and Nationalism. Unification of Germany and Italy. Europe before 1914. 7:30. Mr. Seymour.

348. **History of Europe, 1914 to the Present.** (4 q. hrs.) Backgrounds of World War I. Treaty of Versailles. Origins of World War II. United Nations and world recovery problems. 9:50. Mr. Seymour.

351. **History of Canada.** (4 q. hrs.) The settlement of French Canada. French colonial development. The conquest of French Canada by the British. The change from colonial Canada to the Dominion. Political, economic and cultural growth of Canada as a part of the British Empire. The relationships between Canada and the United States. Emphasis on co-operation between the two countries. 7:30. Mr. Coleman.

354. **Principles of Economics.** (4 q. hrs.) The nature of economics; the free enterprise system; development of modern industry; organization of business; labor organizations and industrial conflict; money and banking; price movements. 9:50. Mr. Plath.

355. **Principles of Economics.** (4 q. hrs.) International trade and exchange; value and price, rent, wages, interest, profit. 1:30. Mr. Plath.

359. **Public Finance.** (4 q. hrs.) An intensive study of taxation, public spending, public debt, and their importance to the general welfare. 11:00. Mr. Plath.

362. **State and Local Government.** (4 q. hrs.) A study of the structure and functioning of the American state and its political subdivisions, with particular attention paid to the state and local government of Illinois. 9:50. Mr. Coleman.

365. **The National Government.** (4 q. hrs.) A study of the structure and functions of the national government of the United States. The Constitution of the United States is examined in detail. 11:00. Mr. Seymour.

367. **International Relations of the United States.** (4 q. hrs.) A study of the place of the United States in the world community. The development of the machinery and spirit of international co-operation. 8:40. Mr. Alter.

453. **The Community and Society.** (4 q. hrs.) The contemporary community as the unit of social study, the bases of community life, types of communities, of activities, of organization, of government, and of maladjustments; community planning; relations of the community to society as a whole. 8:40. Mr. Wood.

SPEECH

132. **Voice and Diction.** (4 q. hrs.) Instruction and practice in breathing, relaxation, tone production, rhythm, inflection, and enunciation. 11:00. Mr. Moses.

250. Radio Speaking. (4 q. hrs.) Consideration of the special problems involved in adapting the principles of effective speaking to the radio in the composition and delivery of announcements, talks, discussions, newscasts, interviews, and features. Practice afforded in general production and speaking techniques. Voice and program recordings. 1:30. Mr. Moses.

335. Oral Reading. (4 q. hrs.) Interpretation and oral reading of poetry and prose; includes composition analysis, kinds and levels of meaning, directness, communicativeness, phrasing, inflection, emphasis, climax, melody, rhythm, meter, and bodily responsiveness. 8:40. Mr. Gabbard.

345. Public Speaking. (4 q. hrs.) This course gives actual practice in speaking before a group. The problems of choosing subjects, gathering materials, composing speeches, as well as delivering them effectively, are studied. Section I, 8:40. Mr. Ross. Section II, 9:50. Mr. Ross. Section III, 1:30. Mr. Ross.

431. Creative Dramatics. (4 q. hrs.) Dramatics as educational devices for children. The advantages of dramatizing literature, history, and other subjects. Choice of plays is presented. 9:50. Mr. Gabbard.

433. Speech Correction. (4 q. hrs.) Recognition, prevention, and treatment of disorders of articulation, voice, and rhythm. The individual psychology of the speech-handicapped person is emphasized. 7:30. Miss Bryant.

434, 435. Advanced Speech Correction. (4 q. hrs. for each course.) Training in the use of clinical equipment; observation and supervision as well as actual experience in testing, diagnosing, and giving corrective treatment for cases of speech defects. Students are given an opportunity to work with speech defective cases in the Training Schools and the College. Students are required to have two hundred clock hours of experience in these combined courses. **Prerequisite:** Speech 433. Hours arranged. Miss Bryant.

445. Play Production (Directing). (4 q. hrs.) The study and actual production of the play. Central emphasis is placed on directing, beginning with the script and including designing, costuming, make-up, and lighting. 1:30. Mr. Gabbard.

SCHEDULE OF COURSES BY HOURS

* Double period classes. See description of courses for second period.

7:30 A. M.

Art 132*, 224*, 226*
 Biology 126*
 Botany 232*, 345*
 Business Education 110, 248
 Chemistry 130*, 234*, 343*
 Education 231, 345, 447, 454
 English 230, 344, 451
 Geography 231, 447
 Home Economics 201*, 304*
 Industrial Arts 135*, 232*, 233*,
 240*, 352*, 354*, 361*
 Music 120, 123, 351
 Physical Education (Men) 244,
 347
 Physical Education (Women) 180,
 187, 346
 Physical Science 100*
 Physics 339*
 Social Science 139, 234, 347, 351
 Speech 433
 Zoology 120*, 225*

8:40 A. M.

Art 130*, 449*, 460*
 Biology 127*
 Business Education 120, 212, 447
 Education 230, 232, 324, 351, 456
 English 120, 236
 French 236
 Geography 130, 236
 Hygiene 320
 Library 441
 Mathematics 120, 228
 Music 237, 449
 Physical Education (Men) 226,
 350
 Physical Education (Women) 199,
 353
 Social Science 138, 235, 367, 453
 Speech 335, 345

9:50 A. M.

Art 340
 Biology 129*
 Botany 121*, 230*
 Business Education 111, 112, 340B
 Chemistry 261*, 300*
 Education 228, 231, 313, 455, 457
 English 126, 237, 346
 French 237
 Geography 120, 448
 Home Economics 205*
 Industrial Arts 225*, 259*, 260*,
 336*, 460*
 Mathematics 134
 Music 337, 356, 452
 Physical Education (Men) 120,
 348, 451
 Physical Education (Women) 190,
 287, 458
 Physical Science 102*
 Physiology 345*
 Physics 130*, 343*
 Social Science 137, 348, 354, 362
 Speech 345, 431

11:00 A. M.

Art 344*, 448*
 Business Education 140, 340T
 Education 230, 325, 344, 448, 451
 English 121, 240, 348
 Geography 221, 343
 Hygiene 120
 Industrial Arts 340
 Library 320
 Mathematics 121, 345
 Music 228, 340
 Physical Education (Men) 452
 Physical Education (Women) 131,
 186, 286
 Social Science 345, 359, 365
 Speech 132
 Zoology 121*

1:30 P. M.

Art 130*, 234*, 239*, 351*
 Biology 128*
 Botany 122*, 301*
 Business Education 231, 232
 Chemistry 132*, 346*
 Education 232, 343, 344, 453, 460
 English 122, 234, 343
 Geography 280F
 Hygiene 120
 Industrial Arts 136*, 224*, 226*,
 275-444*, 451
 Library 450
 Mathematics 133, 343
 Music 126, 229
 Physical Education (Men) 349
 Physical Education (Women) 234,
 316
 Physical Science 101*
 Physics 131*
 Social Science 233, 257, 280F, 355
 Spanish 130, 339
 Speech 250, 345, 445
 Zoology 125*, 231*, 343*

2:40 P. M.

Business Education 120
 Library 120 TTh
 Music 236
 Physical Education Required
 (Men) MWTh
 Physical Education (Women) 191,
 317
 Zoology 446*

3:50 P. M.

Zoology 122*

**Hours of Following Courses
 to be Arranged**

Chemistry 450
 Home Economics 345
 Modified Physical Education (Men
 and Women)
 Speech 434, 435

DIRECTIONS FOR CORRESPONDENCE

In order to avoid delay in answering inquiries, we are listing below the names of the administrative officers, together with the division of the college work which comes under their supervision.

General Policy of the College

Robert Guy Buzzard, President

Admission of Students, Transcripts, and Requests for Catalogues

Blanche Claire Thomas, Registrar

Academic Work of Students and Advanced Standing

Hobart Franklin Heller, Dean of the College

Housing, Student Employment, and Personal Problems

Rudolph Donald Anfinson, Dean of Men

Elizabeth Knight Lawson, Dean of Women

Veterans Services

Rudolph Donald Anfinson, Director

Pemberton Hall

Barbara Louise Jones, Social Director

Payment of Fees

Raymond Rosco Gregg, Business Manager

Teacher Placement

Harry Louis Metter, Director of Teacher Training and Placement

Student Health

Dr. Charles Levi Maxwell, College Physician

Mary Ellen Thompson, College Nurse

Textbook Library

Henry Johnson Arnold, Manager

Extension Courses and Field Study Courses

Bryan Heise, Director of Extension and Summer Session

Public Relations and Alumni Services

Stanley Munson Elam, Director of Public Relations and Alumni Services

NOTICE

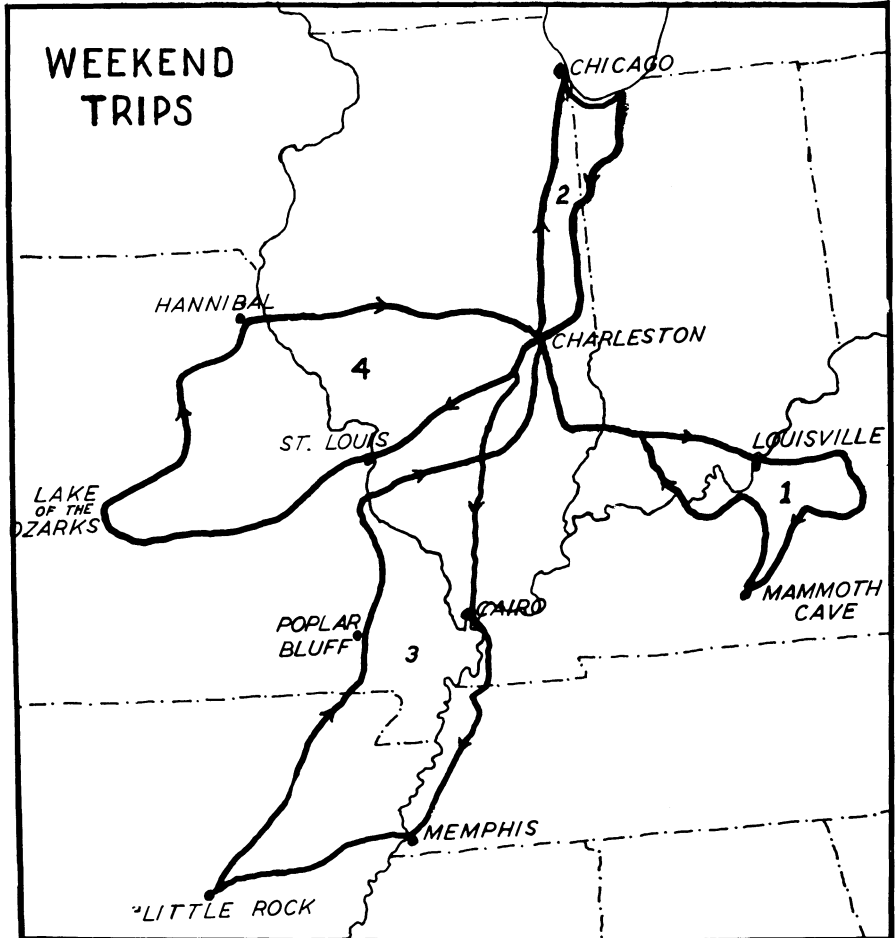
It will save your time on Registration Day if you will fill out and return the following blank to us now.

I am interested in taking the following courses and will probably enroll for the summer term.

Hour **Course (Department and Course Number)**

Name

Address



**NEW ENGLAND - CANADA
TOURS**

AUGUST 7 - 27

Students may earn credit in either geography or social science by taking four weekend trips. The trips include visits to Indiana, Tennessee, Missouri, and Arkansas. See course descriptions on page 34.

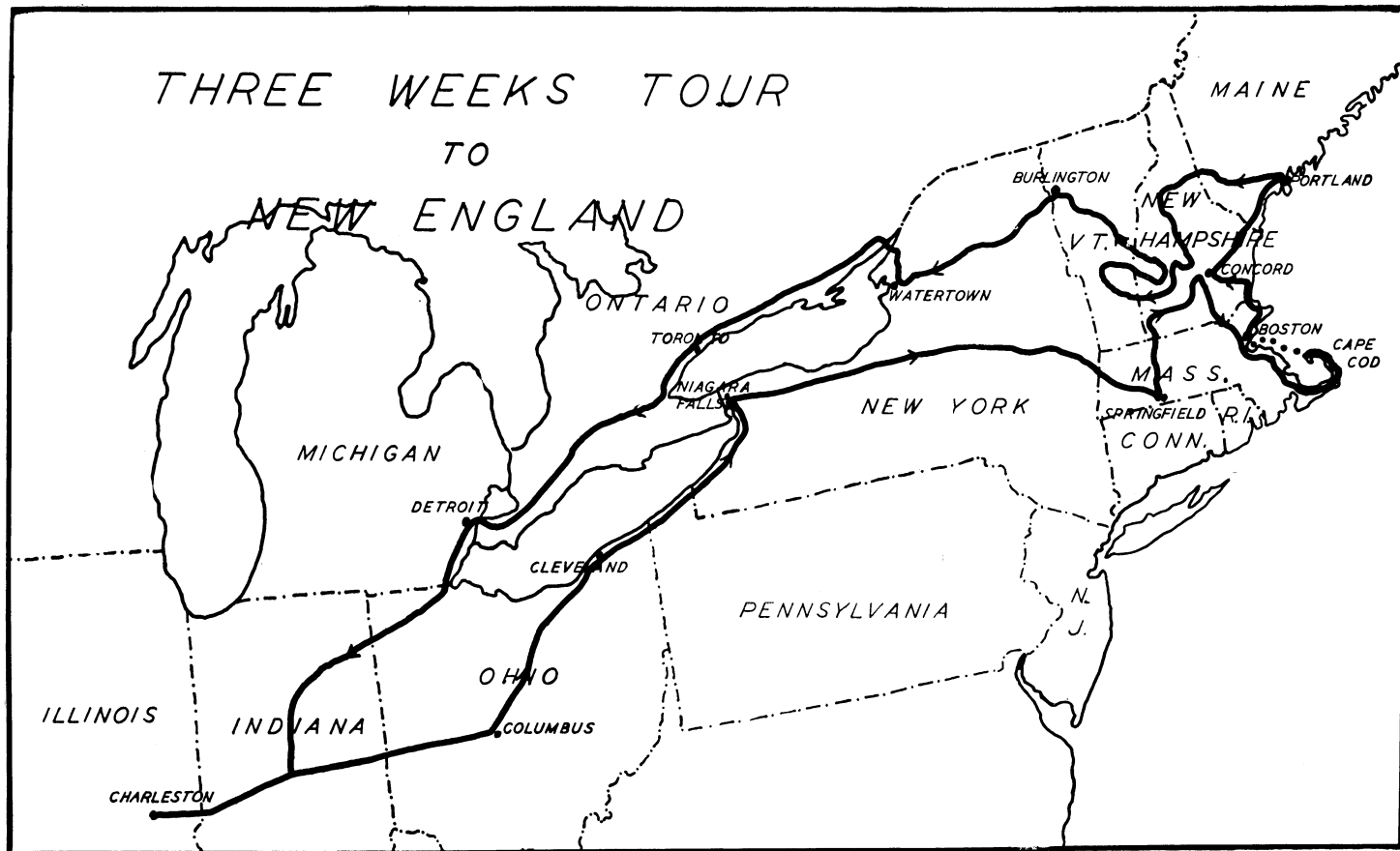
WEEKEND TRIPS

JUNE 12 - AUGUST 4

Credit is offered in geography, social science, and English for this three weeks tour of New England and Canada. Concord, N. H. will be the base for short trips of one to three days. See course description on page 20.

For further information, write to Dr. Byron K. Barton, Geography Department, Eastern Illinois State College, Charleston, Illinois.

THREE WEEKS TOUR
TO
NEW ENGLAND





TO
THREE WEEKS LONG