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SUMMER TERM

OF THE

Western State Normal School

KALAMAZOO, MICHIGAN

Monday, June 29 to Friday, August 7 1914
VIEW OF CITY FROM NORMAL HILL
FACULTY OF THE SUMMER SCHOOL

D. B. WALDO, A. M., L.L. D. President

EDITH BARNUM
First Grade, Training School.

MAUDE BAUCHMAN
English Language and Literature.

MARCELLA BOURNS, A. B.
Latin.

ARTHUR BOWEN
Manual Training Department.

DORA I. BUCKINGHAM.
Assistant, Kindergarten.

ERNEST BURNHAM, Ph. D.
Rural School Department.

NORMA W. CAMERON, Ph. D.
Education.

MINNIE M'CONNELL CAMPBELL
Second Grade, Training School.

C. H. CARRICK, A. B., Superintendent of Schools, Charlotte,
Geography.

W. E. CONKLING, Superintendent of Schools, Hastings,
Civics.

SUSIE M. ELLETT, A. B., County Normal Director, Allegan
County,
Rural School Methods.

IVA J. FERREE,
Fourth Grade, Training School.

ELVA M. FORNCROOK, A. B.
Expression.

LUCY GAGE
Director of Kindergarten.

EMELIA M. GOLDSWORTHY
Public School Art.

CYNTHIA A. GREEN, Commissioner of Schools, Eaton County,
Rural School Management.

L. H. HARVEY, Ph. D.
Biology.

T. PAUL HICKEY, A. B.
History.
BEULAH HOOTMAN
Public School Music.

HILDRED HANSON HOSTETTER
Public School Music.

FRED S. HUFF, Kalamazoo Public Schools,
Manual Training.

V. R. HUNGERFORD, A. M., Commissioner of Schools, Van
Buren County, History.

MARGARET HUTTY
Domestic Science.

C. D. JENNINGS, Public Schools, St. Joseph,
Arithmetic.

FRANK A. JENSEN, A. M., Superintendent of Schools, Hart,
Education.

GEORGE F. JILLSON, A. B.
Mathematics.

ADELE M. JONES, B. S.,
Domestic Art.

B. J. JONES, A. M.
English Language and Literature.

MATIE LEE JONES
Physical Training.

ELEANOR JUDSON
Public School Art.

CATHERINE KOCH, B. S.,
Nature Study and Agriculture.

HARPER C. MAYBEE
Public School Music.

WILLIAM McCRACKEN, Ph. D.,
Chemistry.

L. A. McDIARMID, A. B. Superintendent of Schools, Marshall,
Mathematics.

S. B. NORCROSS
Penmanship.

F. E. ROBINSON, Commissioner of Schools, Branch County,
Rural School Department.

G. EDITH SEEKELL
Sixth Grade, Training School.

M. J. SHERWOOD
Manual Training.
W. H. SPAULDING, A. B.,
   Director of Athletics.

LAVINA SPINDLER
   Director of Training School.

GEORGE SPRAU, A. M.,
   English Language and Literature.

PAUL C. STETSON, A. B., Grand Rapids High School,
   Education.

GEORGE S. WAITE
   Manual Training.

CAROLINE WAKEMAN, Ph. B.,
   History.

EVA WARRINER, County Normal Director, Calhoun County,
   Reading and Grammar.

L. H. WOOD, A. M.,
   Geography.

E. N. WORTH, A. B., Kalamazoo High School,
   Physics.

ELISABETH ZIMMERMAN, A. B.,
   German.

ESTHER BRALEY, A. B.,
   Librarian.

ANNA L. FRENCH
   Assistant Librarian.

KATHERINE NEWTON
   Secretary.

KATHERINE SHEAN
   Assistant Secretary.

MARIE C. COLE
   Clerk, Training School.
Summer Term of the Western State Normal School

The tenth annual summer term of the Western State Normal School will open June 29 and continue six weeks, closing August 7. Students will be enrolled and classified on Monday, June 29, and classes in all departments will begin recitations on Tuesday, June 30. Nearly all of the regular instructors of the Normal School will remain in residence during the Summer Term, and will be assisted by a number of outside teachers selected for their efficiency in special lines of work.

LOCATION

The Western State Normal School is located at Kalamazoo, the County Seat of Kalamazoo County, in the heart of Southwestern Michigan. In beauty, in accessibility, in general educational advantages, this thriving city of forty thousand inhabitants affords an ideal location for the school.

Kalamazoo is at the intersection of the great lines of travel in Western Michigan. It is the half-way point between Detroit and Chicago on the main line of the Michigan Central Railway which is here crossed by the Grand Rapids & Indiana, the Lake Shore & Michigan Southern, and the Chicago, Kalamazoo & Saginaw railroads, all running north and south. It is the eastern terminus of the South Haven branch of the Michigan Central which gives excellent connections with Chicago by boat. It is also the eastern terminus of the Kalamazoo, Lake Shore & Chicago Railroad. The Chicago and Grand Trunk Railway now has direct connection with the main line of that road by way of Pavilion. The electric lines of the Michigan United Traction Company give trolley connections with the eastern part of the State via Battle Creek and Jackson. On the various steam railways more than fifty trains arrive and depart daily giving excellent connections with the surrounding territory.

The advantages of Kalamazoo as a place of residence are
unquestioned. The city is beautiful in situation and is well kept. The climate is healthful, the water supply excellent, and the sanitary conditions are unusually good. Situated in the center of a fine farming country, it is itself widely known for its diversified industries.

PURPOSE OF SCHOOL

The object of the school as constituted by law is to prepare teachers for public school service. The work of the school is organized and conducted essentially to this end. It is recognized that scholarship, knowledge of child nature, and a proper attitude toward the work of teaching are the three essential factors in all professional preparation for teachers. The course of study in the Western State Normal School has been planned with the purpose of providing for these ends by giving as thorough knowledge of the subject-matter as possible in the time devoted to the work, by emphasizing the principles underlying the educational process, and by keeping before the mind of the student the realization that the highest aim of education, is character. All facilities possible will be offered for the furtherance of these purposes and for bringing the student into contact with the best in modern thought and life. The spirit of hearty co-operation between faculty and students in enterprises and interests of the school will be fostered at all times.

The responsibility for the proper attitude of students toward the school and community is necessarily for the most part thrown upon the students themselves. While it is the purpose of the school to incite the student continually to higher and better ideals of character and public service, it is impracticable for a Normal School to attempt the task of reforming young men and young women. No personal effort will be spared in assisting students in every possible way, but those who are manifestly lacking in the essentials of good character, or in ability to become efficient instructors of children, will be requested, whenever the evidence of their unfitness is complete, to withdraw from the school.

During the Summer Term special attention will be given to those who are already teaching. Courses of study, plans of work, methods of instruction, will be shaped to the needs of teachers now engaged in the profession.
BUILDINGS

The classes of the regular certificate courses will meet as heretofore in the Normal Building. This structure contains, in addition to the administration offices, fourteen class-rooms, an assembly room, and laboratory facilities for work in biological and physical sciences. The site occupied by the building is already well known for the panoramic view afforded of Kalamazoo city and the Kalamazoo River valley.

Review classes will meet in the training building. The training building is a splendid structure with two stories and a basement, 118 feet long and 100 feet wide. This structure is regarded as one of the best planned of its kind in the entire country. In completeness and convenience the building is a model.

The gymnasium is the largest of its kind to be found among the normal schools and colleges of the Northwest Territory. The main room is 119 feet long and 68 feet wide, the floor being entirely clear of posts or obstructions of any kind. The running track, 12 feet above the main floor, is suspended from the structural steel supporting the roof. The track is 9½ feet in width, and has sloping sides and ends as well as raised corners. In the basement are shower baths for both men and women, and a swimming pool 52 feet long. All classes in public school gymnastics will meet in the gymnasium.

The erection of the new Science Building will be well under way by the Summer Term. It is to be located directly west of the Gymnasium, and will cover a ground area of 146 by 78 feet. The building will have three full stories housing the Departments of Psychology and Geography on the first floor, Biology on the second, and Physics and Chemistry on the third. The new quarters and much additional equipment to be added should greatly increase the efficiency of the work in the sciences.

THE LIBRARY

The Library numbers over 11,000 volumes. It has been possible to include good working material of recent date only, as all the purchases have been made within nine years.

In the departments of Literature and History the standard works are well represented, and large additions of reference material are being made.
One hundred and forty-five periodicals are taken and a good collection of complete sets is shelved in the Reading Room; students are given free access to them and to the stack room.

A representative selection of children’s books is furnished by the State Library. This collection is open for inspection during certain hours of the day and gives an unusual opportunity for teachers to become acquainted with the best books for children and what are the most suitable and attractive editions.

The Kalamazoo Public Library with a collection of 45,000 volumes is generously open to all students of the Normal School.

**NEW EQUIPMENT.**

The most notable additions in equipment have been in the department of manual training. A great deal of useful and expensive machinery has been purchased and is now installed in the new Manual Training Building of the Kalamazoo Public School System. This modern building with its equipment will afford splendid opportunities for those desiring this kind of work. The biology department has also added several new and improved microscopes. In physics, chemistry, domestic art, and domestic science there have also been additions that add much to their efficiency.

**THE RAILROAD**

Students having recitations at the Normal building will be afforded free transportation on the two-track railway belonging to the Normal School. Two cars will be in operation daily during the entire summer thus removing all objections on the part of those who find hill climbing irksome.

**FEES AND LIVING EXPENSES.**

Students in all courses who are residents of Michigan will pay a fee of $3 for the term. Students who reside in other states or foreign countries will pay a fee of $5 for the term. This small tuition fee admits to all classes. No charge is made for the special lecture courses offered during the summer term. All students pay an athletic fee of fifty cents.

Board in clubs costs about $3 per week, and rooms conveniently located and suitably furnished may be obtained at a cost ranging in price from 75 cents to $1.00 per week for each
student. The total expense for the summer term should not exceed $35 to $40.

THE NORMAL CO-OPERATIVE STORE

The Normal co-operative store which has been in operation during the past two years will be open during the summer term, affording opportunity for students to purchase books and other necessary supplies on the campus.

THE KALAMAZOO NORMAL RECORD

The Record serves as a clearing house for the educational activities of the Normal. Timely articles on present questions are contributed by members of the faculty. The Training School, the departments of Art, Expression, Music, Physical Training, and the Kindergarten furnish many articles of great practical value to teachers. This material is usable and serviceable as it is the record of successful work in the Normal itself. The subscription price is fifty cents a year for ten issues. The July number this year will report the celebration of the decennial anniversary of the School, and will contain Summer School items.

CREDIT

Credits applying on the certificate courses may be earned in any of the subjects regularly required. Twenty-four weeks (one-half of a full term’s credit) is usually the maximum credit for any student during the summer term. Classes reciting daily ordinarily earn six week’s credit, while those reciting twice each day earn twelve weeks’ credit. Review classes are not credited on the certificate courses except in the Rural School department.

DEMAND FOR TEACHERS

There is an increasing demand for trained teachers throughout the state and in the country at large. The tendency of salaries is upward, and teaching is nearer a profession than ever before. Graduates of the Western Normal are in great demand, and much care is exercised in placing students of the school where the likelihood of success and the opportunity to serve are greatest.

The city of Kalamazoo affords many opportunities for remunerative employment for both young men and young women.
Students desiring work with a view to lessening the expense of attending school are assisted in securing employment of various kinds.

**ATHLETICS AND SOCIAL FEATURES**

Due attention will be given to various forms of athletics during the summer term. Baseball and tennis will be prominent features of outdoor athletics. Five tennis courts will be at the disposal of students, and attention will also be given to other outdoor games and sports that may be used in public schools.

**THE ATHLETIC FIELD**

The purchase of an athletic field during the past year has been the most important addition to the equipment. The tract of land to be devoted to this purpose is of 13 acres extent, lies just across Oakland Drive from the Normal grounds, and extends a half mile or more along the Michigan Central Railroad. The land will be graded, sodded, seeded, and drained. An approach will be built on Michigan Avenue, a diamond and a gridiron laid out, baseball bleachers built, and the first section of a grand stand erected. All these improvements, it is planned, will be completed by the fall of 1914.

As in former years a social committee selected from the faculty will provide special features of entertainment with a view to securing a variety of interests and affording opportunities for extending acquaintance among the students.

Social gatherings similar to those of last summer, which will be so pleasantly remembered by all students who were in attendance, will be included in the general program which has been planned for the enjoyment of members of the summer school.

**GENERAL STUDENT PARTIES**

Thursday, July 2.
Wednesday, July 15.
Wednesday, July 29.

**COURSES OFFERED**

The work offered in the summer term is as follows:

1. Regular Certificate Courses.
2. Review Courses.
3. Extension Course.
4. Lectures.
REGULAR CERTIFICATE COURSES

A large number of classes will be formed in the branches included in the regular certificate courses. Several of these classes in the Life, Graded and Rural Certificate groups will meet twice daily, thus enabling a student to cover the work of two twelve-week courses during the summer term. Classes will be formed in a wide variety of subjects in the departments of Psychology and Education, English Language and Literature, Expression, Geography, Science, Mathematics, History and Civics, German, Latin, Drawing, Music, Manual Training, Domestic Economy, Kindergarten Theory, Library Methods, and Physical Training.

REVIEW COURSES

Review classes will be formed in all of the common school branches. These classes will be of special benefit to students and teachers who are preparing for the county examinations to be held in August. Opportunity will be offered for reviewing subjects included in the first, second, and third-grade examinations. As there will be no summer schools or institutes this year in the counties near Kalamazoo all teachers are urged to take advantage of the unusual privileges offered at the Western State Normal. Credits earned during the six weeks' term are recorded, and in some subjects apply on certificate courses. There will be thorough reviews, and in addition courses will be so arranged in many subjects that students attending two or more summer terms may pursue work in a given study without duplicating subject-matter.

The subjects in which review courses will be offered are Physiology, United States History, Civil Government, Grammar, Arithmetic, Geography, Reading, Orthography, Theory and Art of Teaching, School Law, Course of Study, Algebra, Botany, General History, Physics, and Geometry.

DEPARTMENT OF RURAL SCHOOLS

A special department gives careful attention to the preparation of teachers for country schools. The number of school districts which pay a salary sufficient to command the ser-
vices of specially prepared teachers, is rapidly increasing. The courses offered here to fit teachers to meet successfully the progressive demands of the districts, are the result of experience accumulated in working at this problem through the ten years since the establishment of this institution.

Two groups of students are seeking special preparation for teaching rural schools. High school graduates who desire to teach in rural schools are offered Course I, which may be completed in one year and one summer term. This course leads to a certificate which is good for three years in any public school in Michigan, up to the tenth grade. Graduates of this course may complete the Life Certificate Course in one year.

Another group of students who desire preparation for rural school teaching is made up of young people who have not completed a high school course. Course II is offered this group. Students who have completed ten grades of public school work may complete Rural Course II in two years; and students who have had eleven grades of public school work may complete this course in one year. Students who have not had ten grades of school work may advance by enrolling in the High School Department until they are prepared to enter Rural Course II. The completion of Course II requires the same total weeks credit as is required for graduation from a high school of twelve grades. A teacher's certificate good in any one, two, or three-room school in Michigan for five years and renewable for three years, is given at the completion of this course. Graduates of this course may complete Rural Course I in one year and one summer term, and the Life Certificate Course in two years.

Renewals of certificates in the rural school courses are granted upon application made in due form, for which blanks may be obtained from the secretary of the Normal; they should be accompanied by recommendations of renewal by the County Commissioner of Schools and the school directors who are familiar with the work of the applicant in the school room. Loyal participation in all activities suggested or organized by the County Commissioner for the welfare of schools and
the growth of teachers in service ought certainly to precede any request made upon the Commissioner for a recommendation. Likewise faithful service and success in the school room should precede the request for a testimonial from the school director.

Graduates of County Normal Training Classes who have finished the tenth grade or its equivalent before entering the Training Classes may finish Course II in one year and Course I may be finished by them in two years and one summer term. Graduates of County Training Classes who have completed eleven grades before entering the Training Classes may complete Course I in one year and one summer term. Graduates of County Training Classes who have completed twelve grades before entering the Training Classes may complete Course I in one regular term and one summer term. Graduates of the County Training Classes, who attend State Normal for twelve weeks to answer the requirements for the second renewal of their certificates, should advise with the director of this department about their classification. Students in any course who look forward to teaching in County Normal Training Classes, should elect courses in this department.

The subjects of study offered in this department, may be briefly summarized in three groups: first, such as give a knowledge of children and of their organization, management, and instruction; second, such subjects as give power for localizing the curriculum in natural, industrial, and domestic illustrations and applications; and third, a group of subjects intended to develop social intelligence and inspire purposes of participation and leadership in rural community life. Details are given in descriptions of subjects in subsequent pages.

Summer school students and others interested in rural school teaching are asked to interview or to write to the Director of the Department of Rural Schools.

EXTENSION COURSE

In 1905 the State Board authorized the granting of an extension life certificate to mature students who (1) are high school graduates, (2) have taught six years, and (3) under the direction of the Western State Normal School faculty have completed work as follows: (a) three summer terms in residence, (b) two years of non-resident work. This non-resident work is either (1) class work at some center within range of
the school where an instructor can meet the students once a week usually on Saturdays, or (2) carefully organized courses taken by correspondence.

The Western State Normal School from its foundation, has permitted properly qualified students to avail themselves of this opportunity. During the past seven years 87 students have completed this course.

The object of this arrangement has been to meet the needs of those who are otherwise deprived of opportunities for growth and advancement. The fear that students by taking this course would be led aside from undertaking resident study, has not proved real; in fact, one of the important results has been an increase in the number of students who, after undertaking the extension course, have come to see that it was more possible than they had thought to enter upon and complete the life certificate course in residence.

A higher grade of work is necessary to satisfy extension course requirements than is that of average residence courses. It is the student whose experience has trained him to effective methods of organization who can profit most by studying under the direction of an absent instructor.

A special announcement of this department will be furnished on application to the Secretary.

LECTURES

WEDNESDAY, JULY 1.

Dr. Charles H. Judd of the University of Chicago will lecture on "Individual Differences Among Pupils." Dr. Judd is most pleasantly remembered by former students who were at the Western State Normal during the summer sessions of 1909, 1910, 1912, and 1913. He is one of the ablest students of education in the United States, and in clear, forceful, and inspiring discussion of educational problems holds high rank.

TUESDAY, JULY 7.

Dr. David Snedden, Commissioner of Education of the Commonwealth of Massachusetts, will lecture on "More Efficient Education of Children Between the Ages of Twelve and Sixteen." Dr. Snedden is widely known as one of the ablest educators of the day. He is an attractive and
forceful speaker and will be greatly enjoyed by all who hear him.

**MONDAY, JULY 13.** Mrs. Cora Wilson Stewart of Rowan County, Ky., will lecture on "The Moonlight Schools of Kentucky." Mrs. Stewart has won national fame during the past three years by her campaign against illiteracy in Kentucky. In Rowan county, where she lives, the number of illiterates has been reduced in three years from 1,800 to 22. Twenty-five counties in Kentucky have taken up the work which Mrs. Stewart and her associates have accomplished so marvelously.

**THURSDAY, JULY 23.** Dr. W. C. Bagley of the University of Illinois, will speak on "The Red Letter Lesson." Dr. Bagley is well known through his educational writings, particularly through his recent books, "Craftsmanship in Teaching," and "Educational Values." He is at the head of the department of Education in the University of Illinois, and is one of the foremost of the educational leaders of America. Dr. Bagley is a most effective speaker and will be cordially received by those who heard him during the summer term of 1912.

**REDPATH CHAUTAUQUA, JULY 25 TO 31.** The Redpath Chautauqua will be in session on the Normal campus seven days, beginning Saturday, July 25. Programs will be given morning, afternoon, and evening, as heretofore. Students will be interested especially in the afternoon and evening programs. Prominent lecturers and musical organizations will appear. A special admission rate of one dollar will be offered to students of the Normal School. This will admit to the entire program for the week.

**TUESDAY, AUGUST 4.** A general music program will be given in the gymnasium under the direction of the instructors in the Music Department of the school. Students of the summer school and instructors will furnish most of the numbers.
DETAILS OF DEPARTMENT

Courses bearing numbers from 1 to 99 are offered in the Review and High School Courses; those from 101 to 199 receive credit in the Rural, Graded School, and Life Certificate Courses.

Courses in the High School and Rural School Departments which are the same as the courses in the Graded School and Life Certificate work, are given the numbers of the latter.

ART

GRADED AND LIFE CERTIFICATE COURSES

101. Drawing from Nature. This course aims to enlarge the appreciation and knowledge of the world of nature by expressing various phases of the landscape, also by the study and expression of flowers, grasses, fruits, and other nature subjects, including figure and animal studies in various mediums, pencil, crayon, and water-color. The nature motifs studied form the basis for problems in design which are applied to practical school problems. 12 weeks’ credit.

MISS SPENCER AND ASSISTANT.

102. Perspective and Blackboard Work. This course aims to enlarge the appreciation and understanding of the common forms around us, and to develop knowledge and skill in rendering the appearance of forms included under the study of cylindrical and rectangular perspective. 12 weeks’ credit.

MISS GOLDSWORTHY.

103. Construction. This course takes up the subject of hand work in the grades, and includes the working out of simple problems in weaving, basketry, clay modeling, stenciling, and bookbinding. This course may be taken without previous courses in Art. 12 weeks’ credit.

MISS SPENCER.

104. Design. This course includes the study of the principles of pure design as expressed in line, dark and light, and color. Some problems showing application of design in block printing, stenciling, pottery, leather and metal work are included in this course. 12 weeks’ credit.

MISS JUDSON.
Teaching Art in the Training School by Miss Judson, nine to eleven daily.

BIOLOGY

REVIEW, RURAL II, AND HIGH SCHOOL COURSES

10. Physiology. An elementary review course for teachers preparing for the fall examinations. While the functions of the various systems of the body will be especially emphasized, yet enough anatomy will be given to furnish an understanding of the various organs. Peabody's Physiology will form the basis of the course. Bring all available text-books.

DR. HARVEY.

11. Botany. A review course designed to prepare teachers for the county examination. Bergen's Elements of Botany will form the basis of this course. Bring all text-books available.

DR. HARVEY.

12. Agriculture. Text-book, field trips, garden and laboratory. Based on best available text-books for elementary and high school courses. Students should bring whatever agricultural text-books they have. Several sections will be formed to accommodate those who are beginning as well as those who have made some progress in the subject. 6 weeks' credit in Rural School courses.

MISS KOCH.

RURAL I., GRADED SCHOOL AND LIFE CERTIFICATE COURSES

III. Nature Study. The place of Nature Study in the curricula of the elementary and rural school is definitely assured. Most teachers feel a lack of preparation not only in regard to subject-matter, but in methods of presentation. The purpose of this course is to present the ideals and methods of nature study, to acquaint the student with available materials and give him a grasp of the literature of the subject. School gardens receive attention. Seasonal phenomena of plant and animal life are treated. Field and laboratory work are devoted to identification and ecology of our common plant and animal forms—especial stress being placed upon tree, bird, flower, and insect study. Kalamazoo offers in its diverse habitats many localities of unusual interest, making an ideal center for Nature Study work. Students
AN EXHIBIT IN HANDCRAFT
should bring clothing suitable for tramping, collecting cases, hand lenses, etc. Four afternoons of each week will be devoted to the work. 12 weeks’ credit. DR. HARVEY.

MISS KOCH.

CHEMISTRY

REVIEW AND LIFE CERTIFICATE COURSES

1. 2. General Inorganic Chemistry. This course will be devoted to a study of either the metals or the non-metals according to the needs of those taking the course. Laboratory work is required. Twice daily, 12 weeks’ credit.

DR. McCracken.

4. Review Chemistry. This course will include a rapid review of the whole field of inorganic chemistry. Special stress will be laid upon the mathematical, theoretical, and commercial aspects of the subject. Once daily. No credit.

DR. McCracken.

5. Qualitative Analysis, corresponding to Course 105 of the regular school year. Lectures twice a week. Laboratory work arranged to suit the needs of those taking the course. Either 6 or 12 weeks’ credit.

DR. McCracken.

6. Chemistry for the Grades. This is a nature study course corresponding to Course 109 of the regular school year. A study will be made of some of the common elements, oxygen, hydrogen, nitrogen, chlorine, carbon, sulphur, and of some of the more common and important compounds used by man. There will be used for illustration a series of simple experiments capable of being used in the grades. Twice daily. 12 weeks’ credit.

DR. McCracken.

PHYSICS

REVIEW AND LIFE CERTIFICATE COURSES.

1. Review Physics. A comprehensive review of the entire field of elementary physics. This course is designed for those who wish to take the first or second grade county examination or for those desiring to take the state examination for a life certificate. It is also designed as a review for those desiring to teach the subject in the high school and for those whose course in the high school was incomplete. Twice daily.

MR. WORTH.
2. Physics for the Grades. A study of the physical phenomena of common occurrence. This course should help grade teachers in explaining many questions that arise in their work such as those relating to the physical properties of matter; some of the simple machines; heat and its relation to climate; the interchange of heat and work; sound and its relation to music; light—its characteristics, such as reflection, refraction, chemical action in photography, etc., and magnetism and electricity. Under the last topic a study will be made of the telephone, the telegraph, the electric light, the dynamo and the motor. Class meets twice daily. 12 weeks' credit.

MR. WORTH.

DOMESTIC ART

103a. Plain Sewing. A combination of machine and hand work in the making of a four-piece suit of underwear. Discussions on pattern making, materials, and various methods of finishing and trimming. 6 weeks' credit. MISS JONES.

103b. Dressmaking. This course aims to give the student a practical knowledge of drafting, designing, making, fitting, and finishing tailored shirt waist suits and simple summer dresses. Each student will make a shirt waist and tailored skirt of a suitable cotton or linen material, and a simple muslin dress. 6 weeks' credit.

MISS JONES.

110. Art Needlework. The object of this course is to acquaint the student with various kinds of embroidery and artistic needlework. The work will include applique, hemstitching, simple drawn work, feather stitching, Bermuda fagoting, fancy darning, scalloped edges, dots, eyelets, and French embroidery, applied to household linens, pillows, table runners, and articles of clothing. 6 weeks' credit.

MISS JONES.

DOMESTIC SCIENCE

107. Cooking. This course offers practical work in the cooking of all classes of foods, such as cereals, vegetables, meats, eggs, bread, pastry, salads, and desserts.

The work is planned to meet the needs of those outside of the Domestic Science department who desire practical work in cooking. Six weeks' credit will be given, but will not apply on the two-year course in Domestic Science.

MISS HUTTY.
108. **Cooking.** This course will be given if a sufficient number enroll. The work includes the planning, cooking, and serving of meals at various costs. It is desired that those entering this class should have had some work in cooking. A credit of 6 weeks will be given, but it will not apply on the two-year course in Domestic Science. **MISS HUTTY.**

**EDUCATION**

**RURAL, GRADED SCHOOL AND LIFE CERTIFICATE COURSES**

1. **School Management and Law.** It will be the aim of this course to make, as thorough a study as time will permit, of the State Course of Study for Rural Schools, the General School Laws, and School Management. Students who own books on school management and related subjects should bring them. This course is intended to aid all who are preparing for the August county teachers' examinations, in three regular examination topics: Theory and Art, Course of Study, and School Law. 6 weeks' credit. **MR. ROBINSON. MISS GREEN.**

101. **Elementary Psychology.** The greater part of the time of this course will be given to gaining facility in dealing with the problems of elementary psychology and in the use of the necessary vocabulary and materials. It is intended also to lay the foundation for the student's later work in education and especially to assist him to a better understanding and control of his own methods of study. Required in Graded School and all Life Certificate Courses. 12 weeks' credit. **MR. STETSON.**

102. **Child Study.** By means of definite assignments for observation and the careful study of children, the student will have opportunity to gain further acquaintance with the interests and activities of the various stages of child life and youth. This will be supplemented by the reading of some of the more significant studies that have been made by acquaintance with the more important conclusions and problems that have been formulated and by observations in the Training School. Required in Graded School and General Life Certificate Courses. Prerequisite, Course 101. 6 weeks' credit. **DR. CAMERON.**

106. **History of Modern Education.** The development of the school in its relation to other social organizations. Espe-
cial attention will be given to the historical conditions and the men most significant in the understanding of present-day problems. Required in all Life Certificate Courses. Prerequisite, 102, 103, 104, or 105. 12 weeks’ credit.

MR. JENSEN.

107. Advanced Psychology. The aim of this course is a careful study of such problems in psychology and education as the learning process, the reasoning process, habituation and inhibition in the light of the student’s previous experience and training and with the aid of as much experimentation as is practicable in the class and in small groups of the class. It will be aimed so to formulate the results of this study as to make it serviceable in teaching and as a basis for independent study and research. Prerequisite 101. 12 weeks’ credit.

DR. CAMERON.

108. School Organization and Administration. This course is intended primarily for those students who are or intend to be superintendents or principals of schools. It will be of value, however, to other teachers who wish to understand better the conditions of efficiency in school relationships. A study will be made of some of the books and periodical literature of the subject in an effort to determine influences which are manifesting themselves in school supervision, curricula, organizations, etc. Elective. 12 weeks’ credit.

MR. JENSEN.

109. School Hygiene. The necessity of conserving the health of the child is being more and more emphasized. Hence the problems of mental and physical hygiene of the child as well as those of the various institutions as they relate to the child call for our earnest consideration. Among the topics taken up in this course will be the periods of development; the different methods determining the age of the child; school diseases and medical inspection; measurements and tests; time tables; home study; examinations; fatigue; posture; school grounds, buildings and decoration, and other agencies connected with the child’s efficient development. Reports of actual conditions found and of possible methods of improvement will be requested. 6 weeks’ credit.

DR. CAMERON.

110. The Philosophy of Education. In this course it will be the endeavor to gain some idea of the principles of educa-
tion in accordance with the relevant laws of biology, psychology, sociology, and philosophy. Assignments will be made to the writings of Rosenkranz, Tate, Cole, Dewey, MacVannel, and others who have attempted to state the nature of education in the light of its broader and deeper aspects. Elective. 6 weeks’ credit.

DR. CAMERON.

116. Rural Education. A study of the organization, administration and curricula of rural schools. The possibilities of industrial subjects in rural schools will be considered. Lectures, class discussions, and special reports will be supplemented by open conferences once each week in which visiting lecturers and others will participate. Elective. 12 weeks’ credit.

DR. BURNHAM.

ENGLISH

REVIEW, RURAL II., AND HIGH SCHOOL COURSES

7. Preparatory Grammar. The purpose of this course is a thorough review for those who are making preparation for the county examinations. It is not accepted as credit for the course in Grammar. MISS BAUGHMAN.

99. Preparatory Composition. The elements of composition are treated under both form and content. The course deals with punctuation, word usage, paragraph and sentence structure, and business and social forms in letter writing. Daily practice is afforded in both oral and written composition. 12 weeks’ credit. MISS BAUGHMAN.

RURAL I., GRADED SCHOOL AND LIFE CERTIFICATE COURSES

101. Composition. The aim of this course is to stimulate thinking and to arrange the result of one’s thinking with a view to clear and effective expression in the English language. Some attention is given to conventional mechanics of writing, such as spelling, punctuation, and paragraphing; but special emphasis is laid on thinking and organizing thought. With this end in view, some stimulating book will be read and much time will be devoted to oral and written presentation of interesting lines of thought suggested. 12 weeks’ credit. MR. JONES.

102. English Literature. The aim of this course is to help the student read good literature with understanding and ap-
preciation. The class work will be confined to the study of the chief English poets of the nineteenth century. As much as possible of the more significant poems will be read and interpreted in class. 12 week’s credit.

MR. SPRAU.

103. Literary Material for the Grades. (Course 102 prerequisite.) The purpose of this course is to introduce the student teacher to material which is adapted to his work in the training school or for later independent class-room experience. One hour is devoted daily to discussion and criticism (1) of chapters in MacClintock’s “Literature in the Elementary School;” (2) of literary material mentioned in MacClintock considered from the points of view of its fitness for children in school and of its value as real literature. The second hour is given up to lectures on the principles of literary criticism; these lectures are supplemented by suggestions for guidance in reading and for the making of bibliographies. 12 weeks’ credit.

MR. JONES.

104. Advanced Grammar. This course will include a brief consideration of the history of the teaching of grammar and a series of brief studies such as: (1) To what extent does the finite verb agree with the subject? (2) The so-called “Short-Circuit,” or Short Word Group, in English syntax. (3) Advantages and disadvantages arising from the use of the diagram. (4) The English word-order. (5) A consideration of certain fallacious or misleading teachings in modern school-grammars. (6) Grammar in the Elementary School. 12 weeks’ credit.

MR. SPRAU.

114. Shakespeare. In this course our purpose is to read Shakespeare. Several plays are read carefully in class; others are assigned for outside reading and study. 12 weeks’ credit.

EXPRESSION

REVIEW COURSES

1. Reading and Orthography. A careful study will be made of “Enoch Arden.” This book forms the basis for the county teachers’ examinations in Reading in August. In Orthography a thorough study of Pattengill’s Orthography will be made.
RURAL I., GRADED SCHOOL AND LIFE CERTIFICATE

COURSES

101. Reading. A study of the elements of expression and the application of these principles in reading of classic selections. The course aims to develop expressive reading and effective teaching of reading. It puts special emphasis on fundamental principles and therefore should precede other courses. 12 weeks’ credit. MISS FORNCROOK.

103. Story Telling. A study of the purposes of story telling in school and of selection of stories. Daily practice in telling stories. Should be preceded by English 103. 12 weeks’ credit. MISS FORNCROOK.

105. Drama and Festival. Study and interpretation of standard and modern plays or scenes from them. Aims to develop dramatic imagination and sympathy, to cultivate ability to read drama interpretively and to give prospective teachers training in the staging of plays. Some time will also be given to the preparation and presentation of festivals. 12 weeks’ credit. MISS FORNCROOK.

Courses 103, or 105 offered, according to wishes of students.

GEOGRAPHY

REVIEW COURSE

5. Review Geography. This review course is planned to prepare for the examinations in August and October.

MR. CARRICK.

RURAL I., GRADED SCHOOL AND LIFE CERTIFICATE

COURSES

101a. Land Forms. A study (1) of the common rocks and minerals—materials out of which the land forms are made and the basis of mineral industry; (2) land forms in relation to their origin, studied with contour maps and blackboard drawing; and (3) a study of the physiographic regions of the continents. Several field trips supplement the work of the classroom. 6 weeks’ credit. This course is equivalent to one-half of Course 101. Given during the year.

MR. WOOD.
102a. Climatology. A study (1) of the earth in relation to the Solar System; (2) of the chief facts of Mathematical Geography; (3) of the atmosphere in general and the part it plays in the heating, lighting, and watering of the earth; and (4) the study of the leading climatic features of the climatic regions, and a brief notice of their characteristic plants, animals and people of these regions. 6 weeks’ credit. This course is equivalent to one-half of Course 102.

MR. WOOD.

Note—Courses 101a and 102a are fundamental to all work in regional geography.

103a. North America. A study of the leading geographical relations and the industries of Canada, the United States and Mexico. 6 weeks’ credit. MR. WOOD.

104a. Eurasia. A study (1) of Italy and the leading characteristics of the Mediterranean Region; (2) of Great Britain and Northwest Europe; (3) of Germany and Central Europe; (4) of Russia and Eastern Europe; (5) of China and Japan. 6 weeks’ credit. MR. WOOD.

106a. Commercial Geography. A study of the leading facts of the industry and commerce of the chief producing regions of the world. 6 weeks’ credit.

MR. WOOD.

108a. The Geography of Michigan. A study of the natural features, form, relief, minerals, lakes, forests, rivers, and the industries, together with a brief presentation of the leading characteristics of the chief sections of the state, the Copper Country, Iron Regions, Traverse Bay Country, Saginaw Valley, Grand River Valley, the ‘‘Palm of the Hand,’’ the ‘‘Thumb,’’ etc. 6 weeks’ credit.

MR. WOOD.

GERMAN

GRADED SCHOOL AND LIFE CERTIFICATE COURSES.

101. Elementary Course. Twice daily. The aim of this course is to give the student a knowledge of the rudiments of German grammar and facility in reading and reproducing easy German. A number of texts will be read and discussed in German. 12 weeks’ credit. MISS ZIMMERMAN.
AN ART CLASS
114. Advanced Course. The study of some drama or prose narrative, to be selected to meet the needs of the class. A review of German grammar and syntax and practice in speaking and writing the language. 6 weeks’ credit.

MISS ZIMMERMAN.

115. Teachers’ Course. This will be primarily a course in German conversation, especially designed for those who feel that their knowledge of the spoken language is inadequate for present-day demands in modern language instruction. The work will consist of the discussion of German texts in German and the writing of compositions and reproductions. 6 to 12 weeks’ credit.

MISS ZIMMERMAN.

HISTORY

Review, RURAL II, AND HIGH SCHOOL COURSES.

12. General History. A review course for students expecting to take the examination for second grade certificate. The class will meet twice daily. 12 weeks’ credit in High School Course.

MISS WAKEMAN.

13. United States History. A review course to meet the needs of students preparing for the August and October examinations. Four sections will be formed and a credit of 6 weeks in Rural School course may be earned.

MR. HUNGERFORD.

14. Civil Government. This course is planned primarily for students who wish to prepare for the August and October examinations. Four sections will be formed. Bring any textbooks available.

MR. CONKLING.

RURAL I., GRADED SCHOOL AND LIFE CERTIFICATE COURSES.

101-2. United States History. Emphasis will be laid upon the different periods according to the needs of the class. Special attention will be given to choice of subject-matter and bibliography suitable for grade work. 12 weeks’ credit.

MR. HICKEY.

104. Roman History. The Romans as missionaries of Greek culture; Roman institutions; their influence on the political organization of Modern Europe. 12 weeks’ credit.

MISS WAKEMAN.
106. Europe, 1815 to Date. Particular emphasis will be placed on the explanation of present conditions in Europe. 12 weeks' credit. MR. HICKEY.

113. Rural Sociology. A study of social relations and the agencies for social progress in village and country. The place of the school in community welfare is the large question considered. Attendance at the weekly conferences in Rural Education 116 will be one of the requirements of this course. Rural Course I. and elective. 6 or 12 weeks' credit. DR. BURNHAM.

**KINDERGARTEN**

The Kindergarten will be open the first four weeks for observation, and a limited number of students will be admitted to practice. No credit. 9-11 a.m. MISS GAGE. Conference hour for teachers in elementary grades. Discussion based upon the practical work of the morning with the children. Such problems as the morning exercises, rhythms and games, hand work will furnish the basis of discussion. No credit. 11-12 a.m. MISS GAGE.

**LATIN**

**REVIEW, RURAL II, AND HIGH SCHOOL COURSES**

1. For Beginners. Reciting twice daily. It is planned to cover the work of one term or more, if possible. 12 weeks' credit. This is not designed as a review course. MISS BOURNS.

2. Cæsar and Composition, based on Cæsar. This course is designed for those who wish especially to review Latin prose and feel the need of drill in writing Latin. More attention will be paid to composition than to translation. 6 weeks' credit or 12 weeks' credit. MISS BOURNS.

7, 10. Cicero or Virgil or Both. Opportunity will be given to do 6 or 12 weeks' work, according to the ability of the student and the judgment of the instructor. Those desiring to continue one or both of these authors "in absentia" may make such arrangements with Miss Parsons. MISS BOURNS.

**LIFE CERTIFICATE COURSES.**

101. Same as Latin 1.
104. Same as Latin 2.
107, 110. Same as Latin 7 and 10.
LIBRARY METHODS FOR TEACHERS

The course in Library Methods for Teachers arranged by the State Board of Library Commissioners will extend through the six weeks of the Summer School. Instruction will be given daily in the form of lectures and practical problems in connection with the Commission's special library.

101. Library Methods. General work,—daily discussion of children's books taken from the selected library, use of lists and bibliographies, and one week each of lectures on Children's Reading and on Reference Books, given by specialists in these branches, sent by the Library Commission. The purpose of the work is to acquaint teachers with the best and most helpful material and method for work supplementary to the regular curriculum. 6 weeks' credit.

MISS BRALEY.

102. Library Methods. Elementary methods of library administration, accession, classification, cataloguing, etc.—given with the purpose of making it possible for the teacher in charge of the school library to care for it and use it in the most efficient way, rather than for the purpose of training professional librarians. 6 weeks' credit.

MISS FRENCH.

MANUAL TRAINING

The Manual Training classes in Shop Work will be given in the New Kalamazoo Manual Training School. The shops of the new building have been splendidly equipped with machinery for wood-turning, pattern-making, and blacksmithing. Graduates and others prepared to take advanced work are requested to notify Mr. George S. Waite, director of Manual Training, before the opening of the term, as it is planned to limit the attendance to the number that can be properly handled. During the summer term classes in Manual Training will visit several of the shops and industries of Kalamazoo and vicinity.


102. Manual Training. Instruction in woodworking shops suitable for beginners in bench work. Work in various kinds
of wood, the use of woodworking tools of all kinds, and the finishing of the objects made. 12 weeks' credit.

MR. SHERWOOD.


MR. SHERWOOD.


MR. SHERWOOD.

106. Manual Training. Forging exercise in drawing, upsetting, twisting, welding, tempering of iron and steel; ornamental work in iron; chipping, filing, and fitting. 12 weeks' credit.

MR. BOWEN.

109. Mechanical Drawing. Consists of simple elementary and geometrical problems, the use of instruments, plans, and elevations of simple objects, and simple lettering. 12 weeks' credit.

MR. HUFF.

110. Mechanical Drawing. Continuation of geometrical problems, more advanced drawings of objects, drawings of shop exercises, and lettering. 12 weeks' credit.

MR. HUFF.

111. Mechanical Drawing. Orthographic projections development of surfaces and sheet metal patterns, machine drawings. 12 weeks' credit.

MR. BOWEN.

112. Mechanical Drawing. Isometric drawing, mechanical shading, and drawings, designs for equipment of woodworking rooms, tracings and blue prints. 12 weeks' credit.

113. Mechanical Drawing. Mechanical shading of drawings including tinting of colors, plans of schoolrooms showing equipments, designs for shop exercises, machine drawings. Plans, elevations, details, specifications, tracings, and blue prints of a manual training building. 12 weeks' credit.

MR. HUFF.

114. Foundry Practice. This course will include molding of patterns and casting of same. Use of cupola and crucibles. The foundry room will be equipped with facilities for this work. This course requires previous experience in pattern making. Students desiring to take this work must enroll before the summer term.
115. Machine Shop Practice. Iron working machinery, including lathes, shapers, planers, grinders, drill press and the use of same. Constructing machinery, repairing machinery, and making of tools. Those desiring work in this class must notify the instructor before the Normal School opens, as the number taken will be limited. This work will require some previous knowledge of machinery. 

**MATHEMATICS**

**REVIEW, RURAL II., AND HIGH SCHOOL COURSES.**

1. Rural School Arithmetic. This course reviews the entire field of grade arithmetic, giving especial attention to the needs of the rural schools. Much attention will be given to problems bearing on farm and home life. In connection with the course, instruction will be given in grading pupils in arithmetic, and that part of the State Manual bearing on this subject will be reviewed. 12 weeks' credit. 

    MR. JILLSON.

7. Plane Geometry. Designed for those preparing for teachers' examination and those desiring a review of the subject as a preparatory subject. Much attention is given to the methods of attack. 

    MR. JILLSON.

13. Arithmetic. A review for those desiring to prepare for teachers' examination. Sections will be organized for all grades of County Certificates. 

    MR. JENNINGS.

14. Algebra. Review course for those preparing for teachers' examination or for students who wish to review the subject as a preparatory course. 

    MISS GREEN.

**RURAL I., GRADED SCHOOL AND LIFE CERTIFICATE COURSES.**

101. Arithmetic. A teacher's course. To elect this course the student should have a knowledge of geometry and of the beginners' course in psychology. The work consists of two parts, divided as follows:

(a) A study of the origin of number and its use. The history of the development of the subject matter of arithmetic, and past and present day methods of teaching the subject. Assigned readings and class-room discussions form a prominent part of this work.
(b) Review of some of the more difficult parts of arithmetic. 12 weeks' credit.


MR. McDIARMID

103. Plane Trigonometry. This is equivalent to the work done during the regular session. Solution of triangles by both natural and logarithmic functions. 12 weeks' credit.

MR. McDIARMID

Note.—Either 102 or 103 will be given, according to the number of students electing one course or the other.

MUSIC

101. Elements of Vocal Music. This is an academic course, and should precede the Teachers' Course in Music. It presupposes no previous knowledge, but deals with the very rudiments of vocal music. It consists of the cultivation of the ear, the voice, and the beginning of sight singing. The course covered is that of Book One of any of the standard music courses, and may be eliminated by examination. 12 weeks' credit.

MISS HOOTMAN.

103. Voice Culture I. This course includes both concert and individual work. Correct breathing, proper placing of the voice, clarity of tone, articulation and enunciation will be treated specifically. Some songs will be taken up for interpretation. This course is open to all students. Laboratory credit, 3 or 6 weeks

MRS. HOSTETTER.

106. Teachers' Course in Music. This must be preceded by course 101 or its equivalent. Advanced sight reading and ear training are taken up in this class, discussion of methods, and practice teaching during the class period as a preparation for teaching this subject in the first eight grades. Observation is made in the training school. 12 weeks' credit.

MRS. HOSTETTER.

105. Primary Songs and Games. This course is a suggestive one for teachers in the primary grades as well as for specializing students. The following phases will be developed: Rhythm—feeling for and interpretation of different rhythms
through games, balls, percussion instruments, folk dances and
rhythmic steps. Songs,—a sequence applicable to seasons and
school festivals and taken from the best composers of children’s
songs will be learned. The care of the child voice and the
presentation of these two phases to the child will also be taken
up. Ability to play the rhythmic studies and accompaniments
is desirable and is required from specializing students in the
kindergarten and music courses. Observation may be made in
the training school. 6 weeks’ credit.

MISS HOOTMAN.

HIGH SCHOOL MUSIC.

109. Harmony and Ear-Training. This course is offered to
meet the demand of the work in ear-training, melody writing
and elementary harmony in the Upper Grammar Grades and
High school.

MRS. HOSTETTER.

119. Musical Appreciation and Biography. This course
will cover the lives and works of the great masters from Bach
and Handel down to the present time. Biographical note-book
and programs suitable for Grades and High School will be
worked out. The victrola will be used in this course.

MR. MAYBEE.

122. Chorus. In view of the increasing demand for High
School Chorus concerts a cantata will be given suitable for
the average High School chorus. The chorus will meet for
two rehearsals each week. A credit of three weeks will be
given for the work. This course is open to all students.

MR. MAYBEE.

Orchestra. All who have instruments and wish to join the
Normal School Orchestra will find it both pleasant and profit­
able. 3 weeks’ credit.

MR. MAYBEE.

PENMANSHIP

Classes in penmanship will be organized at the beginning of
the term to suit the needs of students. There will be a num­
ber of sections, so that students will have an opportunity to
elect penmanship at different hours.

MR. NORCROSS.
PHYSICAL EDUCATION FOR WOMEN

A gymnasium suit is required for Courses 2 and 4 (bloomers, middy blouse and shoes).

102. Physical Education. This course presupposes Physical Training 101. It consists of Swedish and German gymnastics; advanced light apparatus work and folk dancing; games for outdoor and indoor use. 6 weeks' credit.

Combined with either tennis or swimming, 12 weeks' credit and equivalent to 102 of the regular school year.

MISS JONES.

104. Physical Education. This course presupposes Physical Education 101-2-3. It consists of more advanced work in all lines. Students are given opportunity to arrange lessons and conduct classes. 6 weeks' credit.

Combined with either tennis or swimming, 12 weeks' credit and equivalent to 104 of the regular school year.

MISS JONES.

Instruction in tennis and volley ball will be given each morning at 7:10.

Instruction in swimming will be given by appointment.

TEACHING

101. General Methods. (1) A study of the elementary school curriculum with consideration of the subject-matter best suited to the interests and needs of each period of childhood. (2) The problem of motivation of school work. (3) A discussion of types of lessons and the making of lesson plans. (4) Systematic observation of different phases of grade work in the training school with reports and class discussion. 12 weeks' credit.

MISS SPINDLER.

7. Rural School Methods. In the course special problems of method and subject matter for rural schools will be considered. Special emphasis will be given to construction and seat work possible in rural schools. At least one-half hour daily of observation in Training School is required. 6 weeks' credit.

MISS ELLETT.
TRAINING SCHOOL

The first, second, fourth, and sixth grades of the training school will be in session from 9 to 11 a.m. each day for four weeks of the summer term, to accommodate those who wish to observe teaching in the grades. The regular critic teachers will have charge of this work with the cooperation of the special teachers in drawing, music, manual training, physical training, domestic art, and domestic science. The work will aim to present proper material for use in the various subjects of the curriculum such as nature study, geography, reading, and language, and the special branches, including handwork, as well as to show good methods of teaching.

It is hoped that large numbers of the students will avail themselves of the help thus afforded them. No Normal School credit is offered for this work. Commissioners may arrange with the director, however, for reports of attendance of their teachers. Observation will be required in connection with the courses in General Methods and Rural School Methods. Each critic will reserve a definite period for conference and general discussion with the observers in the grade and it is expected that students observing for credit will attend at least one conference each week.

Students taking observation in any course for credit should fill out cards in the office of the Training School as soon as their regular enrollment is completed.

MISS SPINDLER and CRITIC TEACHERS.