

AGRICULTURAL AND ENGINEERING COLLEGE RECORD

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No. 5

SUMMER SCHOOL

NORTH CAROLINA STATE COLLEGE

OF

AGRICULTURE AND ENGINEERING

FOURTH SESSION—JUNE 11 TO JULY 25

1918

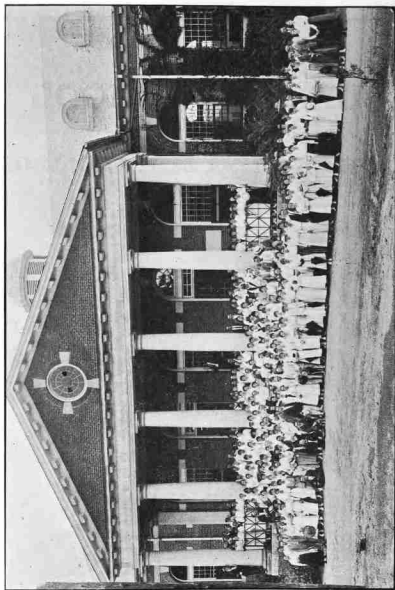
FOR TEACHERS

FOR CANDIDATE SEEKING

ADMISSION TO COLLEGE

FOR SCHOOL OFFICIALS

**Published bi-monthly by the College, and entered at the Postoffice at West Raleigh
North Carolina, as second-class matter.**



A GROUP OF SUMMER SCHOOL STUDENTS (1917 SESSION) ON DINING HALL STEPS

OFFICERS OF ADMINISTRATION

W. C. RIDDICK, A.B., C.E., LL.D.....	President of the College
W. A. WITHERS, A.M., D.Sc.,	
Vice-President of the College and Director of the Summer School	
C. F. MILLER, B.S., Ph.D.....	Treasurer
MISS EDNA M. WELLS.....	Clerk
MISS AGATHA KNOX	Stenographer
HUBERT BENBURY HAYWOOD, Jr., M.D.....	Physician
MRS. ELLA I. HARRIS.....	Hospital Matron
ARTHUR BUNTON HURLEY	Steward
MRS. CHARLOTTE M. WILLIAMSON.....	Librarian

The Council of the Summer School includes the President, the Director, and the following:

HON. T. W. BICKETT, Governor of North Carolina.
 DR. J. Y. JOYNER, State Superintendent of Public Instruction.
 J. HENRY HIGHSMITH, Member of the State Board of Examiners.
 DR. T. P. HARRISON, Dean of State College of Agriculture and Engineering.
 C. B. WILLIAMS, Dean of Agriculture, State College.
 B. W. KILGORE, Director of the Experiment Station and Extension Service.
 T. E. BROWNE, State Supervisor of Vocational Education.
 F. M. HARPER, Superintendent of Raleigh Public Schools.
 J. M. BROUGHTON, of the Raleigh Chamber of Commerce.

Communications concerning the Summer School should be addressed to

W. A. WITHERS, *Director*,
 Rooms 216-217, Winston Hall. West Raleigh, N. C.

CALENDAR

June 11.	Summer School begins. Registration.
June 12.	Class work begins.
June 3-29.	Home Demonstration Agents.
May 15-July 15.	Technicians of Ordnance Department, U. S. Army.
June 12-25.	High School Institute.
June 17-28.	First Institute for Primary and Grammar Grades.
July 8-19.	Second Institute for Primary and Grammar Grades.
July 4.	Independence Day. Pageant.
July 22-26.	Conference of Agricultural Teachers and Workers.
July 24.	Summer School Examinations.
July 25-26.	State Examinations.



WINSTON HALL—SUMMER SCHOOL OFFICES

A FEW SUGGESTIONS

Do not fail to register in time for the first classes. Work will be planned so as to begin and proceed promptly.

Do not attempt too much. Intellectual food in excess will conduce to intellectual indigestion. Too much exercise will make an athlete go stale.

Do not neglect the social side of the Summer School life. It is desirable that all who attend should go away in better health and spirits than when they came.

Do not forget to ask early for dormitory rooms which may be desired.

Do not try to change courses. Select your work and then stick to it.

FACULTY

CATHERINE ALBERTSON

History

Principal Elizabeth City High School

Graduate St. Mary's School; teacher in Currituck and Pasquotank Counties; teacher in Atlantic Collegiate Institute; student at University of Virginia, and Harvard and Columbia Summer Schools.

THOMAS CICERO AMICK

Algebra and Geometry

Professor of Mathematics, Elon College

Graduate of Penbody College; teacher at Liberty Academy, N. C.; Ingram Institute, Va.; Liberty Normal College, N. C.; Western Maryland College; Elon College; student at University of North Carolina Summer School; State Normal College, Ala.; University of Chicago; University of Virginia; Ph.D., Central University.

E. L. BEST

Education

Superintendent of Franklin County Schools

University of North Carolina and Columbia University.

BESSIE ELEANOR BOGESS

Dietetics and Home Economics

Dietician of Meredith College

University of Mississippi; University of Chicago; teacher at Coker College; Carson and Newman College; Hull House.

WILLIAM HAND BROWNE

Physics, Chemistry, and General Science

Professor of Electrical Engineering, State College of Agriculture and Engineering

A.B., Johns Hopkins University, in Physics and Chemistry; certificate in Electrical Engineering, Johns Hopkins University; instructor in Electrical Engineering, University of Nebraska; Assistant Professor of Electrical Engineering, University of Illinois; Technical Editor of the *Electrical Review*, New York City.

THOMAS EVERETT BROWNE *Conference for Agricultural Teachers and Workers*

Acting Director for the State Board of Vocational Education and

State Supervisor of Farm-Life Schools

B.A., Wake Forest College; teacher of Latin and Higher English, Atlantic Collegiate Institute, N. C.; County Superintendent of Schools, Hertford County; Farm Demonstration Agent; District Agent in Farm Demonstration Work for Eastern District; State Agent, Boys' Corn Club Work, and Professor of Extension, State College of Agriculture and Engineering; State Agent in charge of Agricultural Club work; State Supervisor, Secondary Agricultural Education.

HELEN BRUNER

Swimming

State College Summer School; graduate Bessie Tift College.

LEON EMERY COOK

Education

Associate Professor of Vocational Education, State College of Agriculture and Engineering

A.B., Cornell; B.S., in Agriculture, Cornell; M.S., in Agriculture, Cornell; Instructor in Agriculture and Principal of Worcester (N. Y.) High School; Assistant in Rural Education, Cornell University, Summer Session, and during regular session; graduate student same.

MAY HILL DAVIS

Industrial Manual Training

Handicraft Teacher, State School for the Blind

Graduate of St. Mary's School, Raleigh; Instructor in Basketry, Cullowhee Normal Summer School; Chairman of the Arts and Crafts Department, Federation of Women's Clubs, North Carolina.

NANNIE CARRINGTON DENWIDDIE

French

Teacher in Fairmont Seminary, Washington, D. C.

For seventeen years Associate Principal of Peace Institute; four years abroad studying languages in France and Switzerland; student in Summer School of Columbia University.

MARTHA A. DOWD

Normal Music (Piano)

Normal Training in Piano, St. Mary's School, Raleigh

Secretary North Carolina Music Teachers' Association, 1913-1915; President North Carolina Music Teachers' Association, 1916; member of the Association of Presidents and past Presidents of the State and National Music Teachers' Association; pupil of Edwin Farmer, formerly of the Peabody Conservatory, 1915; pupil of Clarence G. Hamilton, Associate Professor of Music at Wellesley College, 1916.

ROSE MERINDA EHRENFELD

Hygiene, Sanitation, and Physiology

Public Health Nursing Service, Raleigh

R.N., Pennsylvania, Kentucky, and North Carolina; American Red Cross Nurse; student Public Health Nursing at Columbia University.

FRANK MARION HARPER

Latin

Superintendent Raleigh Public Schools

Ph.B., University of North Carolina; A.M., University of Georgia; graduate student, University of Chicago, one year, with Latin as major subject; teacher of Latin in high schools seventeen years.

THOMAS PERBIN HARRISON

English

Dean and Professor of English, State College of Agriculture and Engineering

B.S., South Carolina Military Academy; Ph.D., Johns Hopkins University; Associate Professor of English, Clemson College; Professor of English, Davidson College; teacher of English, Piedmont Summer School, Davidson, and at University of North Carolina Summer School.

CLIFFORD LEE HORNADAY

German and English

Assistant Professor of German, Trinity College

A.B., A.M., Trinity College; graduate student, Columbia University, Summer Session; Instructor in Latin, French, and German at Trinity Park School, Summer Session; Instructor in German, State Normal and Industrial College, Summer Session.

BENJAMIN FRANKLIN KAUFF

Poultry Husbandry

Professor of Poultry Science, State College of Agriculture and Engineering

B.S. and M.S., Colorado Agricultural College; D.V.M., Kansas City Veterinary College; Veterinary Inspector, Bureau of Animal Industry, First Vice-President and Professor of Pathology, Kansas City Veterinary College, and Director of Anatomy Laboratory. Author of *Animal Parasites and Parasitic Diseases, Diseases of Poultry, Poultry Culture, Sanitation, and Hygiene and Anatomy of Domestic Fowl*. Pathologist, North Carolina Experiment Station and Department of Agriculture.

EDGAR WALLACE KNIGHT

Education

Superintendent of Wake County Schools

A.B., Trinity; A.M., Ph.D., Columbia University; Instructor in History and English in Trinity Park School; Fellow in Columbia University; Professor of Education in Trinity College; Instructor in East Carolina Teachers' Training School, Summer Session; Instructor in Richmond City Normal College, Summer Session; Lecturer on History of Education, Dartmouth College, Summer Session; Author: *The Influence of Reconstruction on Education in the South; Some Principles of Teaching; Reconstruction and Education in Virginia; Public School Education in North Carolina*.

JOHN C. LOCKHART

History

Principal of Wakelon High School

A.B., University of North Carolina; graduate student, Columbia University, Summer School; Principal of Macesfield High School; Principal Apex Graded School; Superintendent Dunn Graded Schools; Conductor of Teacher's Institute.

JACK LONDON*Writing*

Writing Expert, A. N. Palmer Company

Supervisor of Penmanship in Central State Normal School in Edmond, Oklahoma; teacher in Summer School of Johns Hopkins University.

MRS. JANE S. MCKIMMON*Home Food Conservation*

State Home Demonstration Agent and State Director of Home

Economics

Peace Institute; Simmons College Summer School.

MRS. YANITA CRIEBS MANN*Practical Elocution and Physical Culture*

Formerly of the Faculty of St. Mary's School

Graduate, School of Oratory, Tuscaloosa Female College; special student, University of Alabama; Director, Expression Department, St. Mary's School, Raleigh.

MISS AUGUSTA N. MICHAELS*Drawing*

Drawing Teacher, Durham City Schools

Graduate Trinity College; Columbia University Summer School; taught Drawing, University of North Carolina Summer School and Mecklenburg County Teachers' Institute.

CLIFFORD LEWIS NEWMAN*Field Crops*

Professor of Agronomy, State College of Agriculture and

Engineering

B.S., M.S., Alabama Polytechnic Institute; Assistant Professor of Agriculture, University of Tennessee; Principal, North Alabama Agricultural School; Assistant Agriculturist, Arkansas Experiment Station; Agriculturist in charge of Branch Experiment Station, Camden, Arkansas; Professor of Agriculture and Agriculturist Experiment Station, University of Arkansas; Professor of Agronomy and Agronomist of Experiment Station, Clemson College.

R. BLINN OWEN*Voice and Chorus*

Dean of Music, St. Mary's School

M.Mus., Detroit School of Music; pupil of Zimmerman, Magurette, Theo. Beach of Detroit; Kreutschmar, in New York; Ellison Van Hoose; teacher in Detroit and New York; private teacher in Bluefield, W. Va., and Greensboro, N. C.; Organist and Choir Director, Christ Church, Raleigh; Conductor of the St. Cecilia Club.

MARY ANDERSON PAGE*Writing*

Supervisor of Penmanship, Raleigh City Schools

Graduate St. Mary's School; State Normal College; State College Summer School.

JOSHUA PLUMMER PILLSBURY*Horticulture*

Professor of Horticulture, N. C. State College of Agriculture and

Engineering

Missouri Botanical Garden; B.S., Pennsylvania State College.

JAMES KEMP PLUMMER*Household Chemistry*

Member of the Chemistry Staff, North Carolina Agricultural

Experiment Station

M.S., North Carolina State College of Agriculture and Engineering; Ph.D., Cornell University; Assistant Chemist, North Carolina Agricultural Experiment Station; University Scholar and Instructor, Cornell University.

ZOE PORTER*Intermediate Practice School*

Supervisor of Rural Schools of Halifax County

Graduate of Davenport College; student at Teachers College, New York; teacher at Bowling Green, S. C.; Primary Supervisor, Elizabeth City Schools.

ROBERT EUGENE RANSON*School Law and Civics*

Superintendent, Mount Olive Graded Schools

A.B., Erskine College; student at Winthrop Summer School; Davidson Summer School; University of North Carolina Law School, Summer Session; granted license to practice law by Supreme Court; graduate student, University of North Carolina; teacher in public schools of South Carolina, North Carolina, Arkansas, and Florida; Superintendent, Nash County Schools; Principal, Troy High School.

MRS. ROBERT EUGENE RANSON*Story-Telling*

Reader and Story-Teller

Graduate, Mount Amoena Seminary; graduate, School of Expression, Elizabeth College; teacher of English and Expression, Mount Amoena Seminary; teacher Music and Expression, Shelby Graded School; Principal, Kings Mountain High School; story-teller, Nash County Schools; teacher of Expression, Troy High School; President of North Carolina Story-Tellers' League; editor Story-Teller's Page, North Carolina Education; Campus Story-Teller and Assistant Instructor in Story-Telling, University of North Carolina Summer School; teacher of Music and Expression and Story-Teller, Southport.

R. F. SENTELLE*Education, Arithmetic and Geography*

Superintendent of Lumberton Graded Schools

A.B., Wake Forest College; teacher in Wakefield Classical and Mathematical School; Superintendent of Elizabeth City schools; Director of Summer School at Chowan College; Conductor of Institute work, State Department of Education.

MELVIN ERNEST SHERWIN*Soils*

Professor of Soils, State College of Agriculture and Engineering

B.S., University of Missouri; M.S., University of California; Student Assistant in Agronomy; University of Missouri; Assistant in Agronomy, University of California; Assistant Professor of Agronomy, University of Maine.

CLARA EULALIA TAYLOR*Primary Spelling and Arithmetic, Games*

First Grade Teacher in Raleigh City Schools

Graduate, Normal and Collegiate Institute; student at University of Virginia Summer School; First Grade teacher, Greensboro City Schools; teacher of Primary Methods and Games at Appalachian Training School, Summer Session.

MARY ETHEL TERRELL*Primary Reading and Language*

First Grade Teacher in Asheville City Schools

Graduate of Davenport College; student, Summer School of the South; student, State Normal College, Summer Sessions; special grade teacher, Wadesboro City Schools.

LILLIAN LEE VAUGHAN*Mechanical Drawing and Carpentry*

Assistant Professor of Experimental Engineering, State College of Agriculture and Engineering

B.E. in Mechanical Engineering, North Carolina State College of Agriculture and Engineering; M.E., Columbia University.

MRS. KATE BREW VAUGHN*Home Economics*

Lecturer, Author, and Demonstrator of Culinary Work

Graduate of St. Cecilia Academy, Nashville, Tenn.; pupil American School of Home Economics, Chicago; Teachers College, Columbia University, New York; lecturer for five years for newspapers in United States; special course, Tribune Institute. Author *Culinary Echoes from Dixie*; *High Cost of Living*, etc.

CHARLES BURGESS WILLIAMS*Elementary Agriculture*

Dean of Agriculture, State College of Agriculture and Engineering

B.S. and M.S., North Carolina State College of Agriculture and Engineering; student, Johns Hopkins University; Assistant Chemist in State Department of Agriculture; attended Summer School of Agriculture at the Ohio State University; Chief, Division of Agronomy, North Carolina Experiment Station, Department of Agriculture and Extension Service.

LOU SHELTON ZOELLER*Primary Practice School*

First Grade Teacher, Elizabeth City Schools

Teachers' Training Course, State Normal College, Greensboro, N. C.; Primary Methods, Washington, D. C.; State College Summer School.

GENERAL INFORMATION

History and Purpose

During the summer of 1918, by authority of the Board of Trustees, the North Carolina State College of Agriculture and Engineering will give to the teachers of the State the opportunity of using, for six weeks, its magnificent plant, the value of which is in excess of one million dollars.

On three previous occasions this College had a summer school. The first session was during the summer of 1903 and under the presidency of Dr. George T. Winston. The total attendance during that session was 338, representing 9 States, and 57 counties in North Carolina. The teachers in attendance came from 167 rural schools, 66 graded schools, and 39 academic and high schools.

The second session, during the summer of 1904, was under the direction of Dr. J. Y. Joyner, State Superintendent of Public Instruction. There was an enrollment of 840 teachers. This enrollment was, at that time, the second largest in the South. It had never been exceeded by any summer school in North Carolina before that time.

The third session was held during the summer of 1917. It was attended by 531 pupils. There were 51 officers and teachers conducting this session, with 6 ministers and 15 special lecturers. Six States and 65 counties of North Carolina were represented in the school. During the 1917 session 68 courses were offered in 16 departments.

The Trustees have authorized the summer session in order that the splendidly equipped and centrally situated college plant may be useful at a time when teachers, principals, supervisors, superintendents, and others have most leisure. As the public has a vital interest in the education of teachers and leaders, the College can do no better work during the summer than put its equipment at the disposal of those teachers, school officials, and agricultural workers who are ambitious to increase their usefulness.

The courses have been arranged to cover the subjects taught in the primary, grammar, and high school grades. They will, therefore, be adapted to teachers and to officials connected with any department of school work.

Professional courses in education, etc., will be given, and there will also be cultural subjects of advanced grade.

These courses will also give an opportunity for better preparation to those who contemplate entering this or some other college.

The School will afford a splendid opportunity to secure or renew a Teacher's Certificate; to increase efficiency as a teacher; to prepare for leadership in *the new education* for agriculture and other industries; to receive inspiration from association with fellow teachers; and to enjoy a sojourn at the State's Capital and Educational Center.

Situation

Raleigh is centrally and conveniently situated on the main lines of the Seaboard Air Line and Norfolk Southern railways and on the Greensboro-Goldsboro line of the Southern Railway.

The College, in West Raleigh, may be reached by street cars bearing the sign "Hillsboro." All other cars except those marked "South Street" transfer to the Hillsboro Street line.

To reach the College from the Union Station, take the Blount Street car southbound immediately in front of station, and transfer at the Confederate Monument (Salisbury Street, Hillsboro, and Capitol) to the car marked "Hillsboro." Do not take the car northbound from station, because this would mean an inconvenient delay.

Raleigh has been variously named the city of schools, the city of churches,



YOUNG MEN'S CHRISTIAN ASSOCIATION

the city of oaks, and the city of homes. Whichever be the right name, it is a hospitable and attractive place, the center of the State Government, and a city which has good streets, handsome public buildings, and excellent public utilities. The State Museum, the Capitol, the Department of Agriculture, and the numerous industrial plants furnish rare opportunities for those who have eyes to see.

The people of Raleigh have rendered material aid to the school, which is counted among the permanent institutions in the Capital City.

Reduced Railway Fares

The Associated Railways of Virginia and the Carolinas (including the Atlantic Coast Line, Charleston & Western Carolina, Norfolk Southern, Piedmont & Northern, Seaboard Air Line, and Southern) have announced that tickets at reduced rates will be sold for several days previous to and during Summer School. Be sure to inquire of your ticket agent a few days before you expect to purchase your ticket, or write to the Director for information.

These arrangements will make it possible to secure reduced railway rates for the whole session or for the Conference of Agricultural Teachers and Workers. It is suggested, however, that those who are coming to the Sum-

mer School inquire of their agents two or three days in advance in order to make sure that tickets of the right form are on sale.

Fees and Expenses

The expenses for the entire six weeks session will be as follows:

Tuition	\$ 8.00
Room rent each (two in room)	6.00
Board	24.00

\$38.00

All fees are payable strictly in advance. There will be no refunds for other than board made after the first ten days.

Rooms are rented only to two in a room at above rate. Under extraordinary circumstances, if a room is available for single occupant, charge for same will be \$12.

Board payable by the week, \$4.50.

Meals may be obtained by guests of the members of the School for 35 cents per meal.

A fee of \$4 will be charged those who register for only the Housekeeper's Course in Home Economics given by Miss Vaughn.

The services of the College Physician and use of the Infirmary will be restricted to registered members of the school rooming and boarding in College. Except in case of protracted illness, there will be no charge for this service; but consultations must be at the Infirmary at the hours designated by the College Physician.

Room Reservation

Students should apply for room reservations as early as possible. This will save much delay upon arrival.

Registration

Students must visit the Treasurer first and pay all fees before registering in courses of instruction. Treasurer's office (Room 212) and the office of registration (Room 216) will be in Winston Hall, second floor.

Students are urged to register on Tuesday, June 11, in order that they may begin class work at the beginning; but there will be opportunity to register on Wednesday, June 12.

Hours of Work

It is important to notice that students are required to take fifteen hours weekly in order to earn certificates, and that no one will be permitted to take more than twenty hours. It has been the experience of Summer School faculties that ambitious students, unless prevented by a rigid rule, will take much more work than they can assimilate, with the result that they are bewildered rather than instructed, and that they go stale instead of being heartened by their work.

In addition to the fifteen or twenty hours regularly taken, each student will be allowed a limited number of visiting hours.

Except where there is specification to the contrary, each course is given five hours a week.

The Summer School authorities reserve the right to cancel any course for which the registration is less than ten.

Institutes

There will be three Institutes held during the Summer School under the general supervision of the State Board of Examiners and Institute Conductors. The Institute for High School Teachers will be held from June 12 to June 25.

The first Institute for Primary and Intermediate Grade Teachers will extend from June 17 to June 28, and the second Institute for Primary and Intermediate Grade Teachers will run from July 8 to July 19.

At the request of the State Board of Examiners and Institute Conductors this School will conduct the Wake County Institute. This Institute will be held



NINETEEN-ELEVEN DORMITORY

from June 17 to June 28. However, attendance at this one or the Institute from July 8 to July 19 is optional with the teacher.

The fees for the Institutes are as follows:

Board and room	\$10.00
Tuition	3.00
Total.....	\$13.00

The tuition fee will be remitted to those teachers who have engaged to teach in the public schools in Wake County prior to the date of registration.

Those attending the Institutes are urged to be present for the first class at 9 a. m., the date set for the start of the Institute.

It will be desirable for those attending to engage rooms in advance so as to avoid unnecessary delay upon arrival. These may be occupied the evening prior to the start of the Institute without extra charge.

While the course of study outlined for those attending the Institutes differs from that outlined for those attending the Six Weeks Course, the Summer School welcomes the Institute attendants and admits them freely to equal privileges with all.

Certificates and Credits

Examinations will be held at the end of the session and certificates will be issued to those who make satisfactory grades. Admission to examination will be based upon satisfactory attendance and grades of scholarship.

The certificates will specify the courses taken and the grades, and will be valid under the general provisions of the school law. The character of the Faculty and the standard of work maintained will give the certificates solid value aside from satisfying formal requirements.

Summer School certificates will count in lieu of attendance at county institutes, and will be good for two years.

Certain courses will count for credit on the professional work required by the State Board of Examiners and Institute Conductors for the several classes of certificates issued by this Board, these courses and the amount of credit to be designated at the time of registration.

Board and Lodging

Board may be had in College. See schedule of charges. A limited number of young ladies may earn a part of their expenses by waiting on the tables in the College dining-room. Applications for these positions should be addressed to the Director.

The Nineteen Eleven and South Dormitories will be assigned to ladies exclusively. Chaperons have been engaged for each of these buildings, among them being:

Mrs. A. B. Cameron.

Mr. and Mrs. H. H. McKeown.

Mrs. C. H. Miller.

Mr. and Mrs. R. Blinn Owen.

Mr. and Mrs. R. E. Ranson.

Watauga Hall will be reserved for the technicians of the Ordnance Department, United States Army. Male students attending this summer session will be assigned rooms in Watauga Hall and the third and fourth dormitories. Married couples will be assigned rooms on one floor of Holladay Hall.

The County and Home Demonstration Agents will attend the Summer School in a body for four weeks. Mrs. Jane S. McKimmon will be in charge of these ladies and an admirable opportunity will be presented to all attending the Summer School to receive the added benefit of observing these home agents in their instructions and demonstrations.

In case it is desired to change the room assignment, permission to do so must first be obtained through the treasurer's office.

Many of the homes in Raleigh will supply board and lodging. A list of these may be had upon application.

Baggage

Students arriving at Raleigh are advised to bring their baggage checks to the Registration office, where arrangements will be made to have baggage brought to students' rooms. Transfer fee, 25 cents.

Postal Arrangements

Except for students boarding in Raleigh, mail should be addressed to West Raleigh, N. C. The West Raleigh postoffice is near the College.

What Students Should Bring

Those who room in the College will need to bring sheets for single bed, pillow-cases, spreadings, towels, a pillow and a mirror.

Those desiring the benefit of the Y. M. C. A. Swimming Pool should bring bathing suits.

Books and Stationery

For the convenience of students, books and stationery and gymnasium shoes will be sold at the Summer School Bookstore.



SOUTH—24 ROOMS FINISHED

The Summer School will use, so far as they cover the ground, the text-books adopted by the State. The State adoptions include books used in the first seven grades.

Laundry

The College Laundry will do work for the Summer School students for 15 cents per pound. Fifteen cents will be the minimum charge on any work.

Chapel

Chapel services will be held every week day morning.

Swimming

The Swimming Pool in the Y. M. C. A. will be open to the registered members of the school without charge. Swimming classes for ladies will be held under the instruction of Miss Helen Bruner.

Medical Attendance

The services of the College Physician and use of the Infirmary will be restricted to registered members of the school rooming and boarding in College. Except in case of protracted illness, there will be no additional charge for this service; but consultations must be at the Infirmary at the hours designated by the College Physician.

The Physician will make daily visits to the Infirmary.

Employment Bureau Officials

The Employment Bureau will, without charge, assist principals to secure teachers who may be registered in the school and assist teachers registered in the school to learn of positions which are open.

School Boards and Superintendents are invited to notify the Employment Bureau of their needs.

Practice School

The courses designated as Education IX and XV will give interesting and thoroughly practical demonstrations of useful methods of teaching. The work of the Practice School will be planned so as to be a help to the rural teacher having two or more grades as well as to the graded school teacher having only one grade. The work of the second and third grades will be conducted by Miss Shelton Zoeller of the Elizabeth City Schools. The fourth grade and fifth grade work will be conducted by Miss Zoe Porter, Supervisor of Halifax County Schools. It is to be hoped that Summer School students will set apart regular daily periods for observation work in this Practice School.

Conference for Agricultural Teachers and Workers

This conference (designated elsewhere as Agriculture IX) will be under the chairmanship of Professor T. E. BROWN, State Supervisor of Farm Life Schools and Acting Director for the State Board of Vocational Education. *The dates are July 22 to 27.*

Among the lecturers will be Dr. J. Y. Joyner, State Superintendent of Public Instruction; Dr. Clarence Poe, Editor of *The Progressive Farmer*; B. W. Kilgore, Director of Agricultural Experiment Station and Extension Service.

The Department of Agriculture, the College, and the Experiment Station will be represented, and there will be a large attendance of County Superintendents, County Supervisors, and others who are interested in agriculture and education.

The College will provide board and lodging for those attending this conference for \$5 each. Ample provision will be made for married couples. It will be necessary for those who lodge in the College dormitories to bring sheets, pillowcases, spread, towels and mirror. It will be also necessary for those attending to register at the Summer School office immediately upon arrival. Applications for rooms should be made in advance. These may be occupied the day prior to the conference without extra charge.

This will offer an unusual opportunity for the wives of those attending the conference to enjoy a brief stay at the State's capital and educational center at very moderate rates, and it is to be hoped that as many as possible will avail themselves of this excellent chance.

Library and Reading-Room

The College Library, containing about eight thousand volumes, with about a hundred and fifty periodicals, will be at the disposal of the Summer School, the College Librarian, Mrs. Charlotte M. Williamson, being in charge.

The Olivia Raney Library and the State Library will also be open to those attending the Summer School.

The Social Center

The Y. M. C. A. Building will be the social center of the School. This building contains a reading room, an auditorium, several reception rooms, a bowling alley, a gymnasium, and a swimming pool. The chaperon in charge of this building will be Mrs. R. Blinn Owen, of Raleigh.

Recreations

Though the Summer School will be a place for work, every effort will be made to make the session at once profitable and enjoyable. Among the recreations planned are numerous popular lectures, folk-dancing, plays, games, and personally conducted expeditions to points of interest in or near Raleigh, by Col. Fred A. Olds, Director of the Hall of History. There will also be opportunities to enjoy swimming, tennis, bowling, and other kinds of exercise.

Concerts

There will be at least two evenings of music, and it is probable that others will be arranged.

Lectures

A series of lectures is being arranged which will be announced in detail later.

Pageants

There will be a pageant on July 4 under the direction of Mr. Owen and Mrs. Mann, in which a considerable proportion of the school will participate.

The classes in Physical Education and Games under Miss Taylor will present a pageant at the end of their courses.

An entertainment will be given on the campus at the end of the session by members of the school, directed by Mr. R. Blinn Owen and Mrs. C. L. Mann.

DEPARTMENTS OF INSTRUCTION

AGRICULTURE

(See also Education, Rural Sociology, Science.)

The teaching of agriculture in the rural schools of the State is of the most fundamental importance. If properly presented to the pupils it should not only be exceedingly interesting to them but be equally as valuable for mind training as any other subject that is taught. When properly presented it will be a means of linking the students to rural life and of developing in them an interest in efforts taken in the building up of life in the country. Not only this, but it will bind them to the farm by cords that cannot be severed by the attractions of city life.

I. Agriculture for Grammar Grades. This course is intended for rural and other teachers who are required to teach agriculture in the grammar grades and who have not had an opportunity previously to study this subject. The course will deal in an elementary way with some of the main economic characteristics of the soils of the farm, dwelling particularly upon how these in a vital way influence and determine crop growth. Chief attention, however, will be given to the nature of plants commonly grown on the farm, their requirements, and how they grow and are improved under proper management by the farmer. An attempt will be made in the course to link the subject matter with the everyday home life of the pupils on the farm, teaching them the reasons for the different operations required to produce crops which they have had more or less experience with or have observed on the home farm. In some cases the instruction will be along the line of using better methods to replace those that are already in use. In order to carry out the work as it should be, field trips, demonstrations, and laboratory exercises will be required. The kind of apparatus, however, that will be used will be of a very simple kind, in fact, the kind that any rural teacher would be expected to secure from a local store. Mr. WILLIAMS.

II. War Gardening. Open to those who wish to prepare themselves to teach or supervise school and home gardening. Topics: Planning, planting, cultivating; controlling of insect enemies and plant diseases of the garden; methods of propagation; best varieties for certain seasons; fall and winter gardens; making and caring for cold frames and hot beds; floral planting about the home and school; the window box; problems connected with gardening. Practice work in the garden is required of all students, and the possibilities of home gardening in cities are demonstrated by visits to successful home gardens. Mr. PILLSBURY.

***III. Field Crops.** (1) Lectures, recitations, and reference assignments in corn, legumes, small grains, cotton, tobacco, potatoes, forage crops, pastures, and meadows. (2) Summer legumes project for teachers. Cow pea, soy bean, and velvet bean. The place of summer legumes on the college farm: for ripe seed, for hay, in rotations, as companion crops, for maintaining fertility, as smother crops, for grazing; assignment to fields and crops; determination of varieties to be used; preparation of soil and fertilization; time and

manner of planting (a) in hills, (b) drills, (c) broadcast, (d) as companion crops, (e) rate of seeding; cultivation; harvesting seed, separating and protecting; harvesting for hay and curing; utilizing as green manure crop; improving by plant-to-the-row method. (3) Corn project for teachers: Selecting the acre for this work; measuring and marking the four corners and making drawing; plowing; treatment after plowings and before planting; fertilization and preparation for planting; selection of seed and testing; planting; cultivation; applying nitrate of soda; detasseling; selecting seed plants; harvesting and weighing crop, (a) gross yield, (b) yield of grain, (c) yield of stover, (d) per cent of grain, husk, and cob; selecting seed ears. Five double periods a week. Mr. NEWMAN.



CLASS IN GARDENING

***IV. Soils.** The work in this course will be planned so as to carry the theoretical instructions to the field rather than the practical instruction to the classroom. Sufficient formal classroom instructions will be given to insure mastery of the principles best learned in the classroom, but the application of these principles to field conditions will be the aim of the course. Lyon's "Soils and Fertilizers" will be the text followed, but parallel references to more detailed works will supplement the text assignments. The practical exercises will in part be selected from those at the end of each chapter. These will be so arranged on moisture control, principles of tillage, etc., that there shall not only be no duplicating work in "Field Crops," but that the work in both courses along the "border-line" subjects shall be a unit. Five double periods a week. Mr. SHERWIN.

***V. Teaching Agriculture in the High School.** This course aims to give specific helps needed by a teacher of agriculture. The following topics are among those to which special attention is given: Farm and school accounting, cataloguing and filing bulletins, organization of subject matter, lesson planning, laboratory and classroom arrangement, equipment, projects, use of illustrated materials, etc. Three single and two double periods. Mr. Cook.

See Education XXII. Mr. KNIGHT.

VI. Elementary Poultry Work. This course will be given one period a day for the last three weeks of the summer term, ten one-hour periods and five two-hour periods. This course is designed to meet the needs of the children of the grades. There will be taught fundamentals of farm poultry work: how to make a hen's nest, set the hen, care and feed the hen; how to construct the combination sitting and brooding coop; the care and feeding of the hen



PATTERSON HALL—AGRICULTURE

and her flock; how to protect the chicks from the hawks and other enemies, as rats; simple methods of handling eggs; how to grade eggs for the market and to select eggs for sitting; how to select birds for breeding, and the care and management of the farm flock; kinds of feeds best suited and how to mix them; how to care for and feed the flock in the winter for eggs; the community circle and cooperative community poultry work; breeds best suited for

***COURSE FOR PREPARATION OF TEACHERS OF VOCATIONAL AGRICULTURE**

In order to help meet the demand for teachers of Vocational Agriculture in the State, the 1918 Summer School at the State College of Agriculture is offering a special course to those teachers in service who desire to prepare themselves to teach agriculture. In order to be admitted to this course, teachers will be required to meet the following qualifications, namely: (1) They must have had at least two years teaching experience in rural sections. (2) They must have completed at least three years of instruction in science of college grade or its equivalent. (3) They must have had at least five years of practical farm experience since they were fifteen years old, or its equivalent.

Men who comply with the above requirements and complete the special course given at the State College during the Summer School to the satisfaction of the instructors and the Director will be granted a special temporary certificate to teach agriculture, by the State Board of Examiners. The special course (brief outline of which is given above) has been approved by the State Board for Vocational Education and the Federal Board for Vocational Education.

As is indicated, the course for the first summer will consist of a double period each day for crops, a double period each day for soils, and three single periods and two double periods each week for special methods of teaching agriculture. See courses III, IV, and V Agriculture.

During the last week of the Summer School there will be held a conference of agricultural workers which these special teachers, the Farm-Life School teachers, and others interested will be expected to attend. A representative of the Federal Board for Vocational Education, together with a number of the State's leading educators, will be present and assist with the conference.

utility and for eggs; how to select and breed for vigor, and best results for which the mating is being made. This course is intended to aid the teacher in organizing and conducting poultry clubs. **MR. KAUPP.**

IX. Conference of Agricultural Teachers and Workers. July 22-27, inclusive. Conference of superintendents, extension workers, teachers of agriculture and specialists. The conference will be addressed by the State's most prominent agricultural and economic experts and specialists. **MR. T. E. BROWNE, Chairman.**

DRAWING AND MANUAL TRAINING

I. Primary Drawing. Realistic study of Nature; reduction of realistic forms to conventional; adaptation of conventional forms to pattern, with explanations; principles of color in art, its relation to nature and to decora-



HOLLADAY HALL

tion; decorative lettering; elements of perspective aerial and linear; principles of art. This course is arranged with special reference to having teachers present the subject. Fee covering cost of materials, \$1. **MISS MICHAELS.**

II. Mechanical Drawing. Instruction in the principles of mechanical drawing for those who expect to teach this subject in the grade and high schools. The course will cover such work as line exercises, lettering, orthographic and isometric projection and geometric construction. The aim of the course is the making and reading of work drawings. Special work will be given those who desire to get credit for or to remove condition in college work. **MR. VAUGHAN.**

III. Basketry. Basketry for all grades; caning chairs, stools, etc.; pine-needle work; raffia and reed basketry; chair seating in woven work. The purpose of this work is to meet the needs of the average school, showing the uses of various materials suitable for handwork in both rural and city school. The place of industrial work in education should be that of practical

value, and the handwork taught will be supplemented by talks on materials, methods, and dyeing used in basketry. Fee covering cost of materials used, \$1. **MISS DAVIS.**

IV. Basketry Advanced. This course is intended for those who have completed Basketry III during the 1917 session or its equivalent at other summer schools. A greater variety in weaves, handles, and shapes will be introduced, using the reed and raffia; also chair-caning and pine-needle work will be made a special feature. Fee covering cost of materials used, \$1. **MISS DAVIS.**

V. Woodwork. This course is designed to give instruction in the use, care, and adjustment of the tools used in simple bench work to those who expect to teach manual training in the grade and high schools. Exercises in bench work will be given, such as squaring-up rough stock, laying off work and the construction of simple articles. Further, it is desired that students taking this course cooperate with the Agricultural and Home Economics departments so far as to build models and useful articles for these departments. **MR. VAUGHAN.**

VI. Woodwork. This course is offered to those who expect to enter college with advance credits and desire to get credit for freshman woodwork. Work equivalent to first or second term will be given. College students who have failed on woodwork will be given a chance to remove condition. **MR. VAUGHAN.**

EDUCATION

I. Primary Reading. This course will deal with the subject-matter and methods of teaching reading in the first three grades. There will be fifteen lectures on the mechanics of reading, emphasizing the means of starting the child properly, and fifteen lectures based on the child's interests, activities, and social needs. **MISS TERRELL.**

II. Primary Language. This course will cover the language through the first three grades, and will be based on oral and written reproduction, dramatization, and study of poems. **MISS TERRELL.**

III. Primary Spelling. This course is based on what spelling includes; its types of imagery; its laws of association and habits; plans for presenting and studying spelling lessons; lesson plans in oral and written spelling; type lessons, using New World Speller Vol. I as text; course of study in each grade. **MISS TAYLOR.**

IV. Primary Arithmetic. A study of the psychology of number; parts to be mastered by first, second, and third grade pupils; materials, lesson plans, devices, drills, correlation with language and other subjects; games for practical application of number facts presented and drilled. **MISS TAYLOR.**

V. Primary Drawing. Realistic study of Nature; reduction of realistic forms to conventional; adaptation of conventional forms to pattern, with explanations; principles of color in art, its relation to nature and to decoration; decorative lettering; elements of perspective aerial and linear; principles of art. This course is arranged with special reference to having teachers present the subject. **MISS MICHAELS.**

VI. Primary Writing. This course is intended to teach the muscular movement method of writing as it relates to both teachers and pupils in the element-

ary grades. Ample discussion and demonstration of the eight essential steps and their three stages will be held. Palmer Method. Mr. LONDON and Miss PAGE.

NOTE. Owing to the wide-spread demand for Mr. London's services, he will be at this Summer School from June 17th to 29th only.

VII. Primary Story Telling. The purpose of this course is to teach the value of story-telling as applied to primary grades. The use of stories in aiding in the classroom work will be emphasized and illustrated. Typical stories will be told and studied. (See Education XIII.) Mrs. RANSON.

VIII. Primary Physical Education; Games. The purpose of this course is to teach the educational value of organized plan. An effort will be made to develop through self-activities the play spirit in all undertakings. This course will include informal and graded exercises in gymnastics, national folk dances, singing, marching and dramatic games suitable for schoolroom and playground. Suggestions for arranging festivals and pageants will be given in both classes. Inexpensive costumes will be designed and made by students preparatory to the Play Pageant, which is the climax of this course. Games will be conducted on the lawn at twilight on Mondays, Wednesdays, and Fridays. Classes will be held in two sections, each section meeting five hours a week. Fee, covering cost of materials used, 25 cents. Miss TAYLOR.

IX. Primary Practice School. The course of study prescribed by the State will be followed in the work of the second and third grades of the Practice School. Special work will be done in these grades along the following lines: Memory work, songs and poems, physical culture, singing, games, and folk dances. A special program composed of memory work and physical training done during the term will be presented at the close of the session. Miss ZOELLER.

X. Reading and Grammar. Text-books, *Reading Literature*, books IV and V; *Practical English*; *Essential Studies in English*; Reading Circle books on the State list. The first half of this course will be devoted to reading and the second to grammar. The reading will be studied from the following standpoints: Providing for motive; evaluation of facts; organization of facts, and initiative on the part of the pupils. The grammar will be taught from the following standpoint: When and how much formal grammar to teach and the best methods to use. Reference books: Huey's *Psychology of Reading*, McMurry's *Special Method in Reading*. Mr. BEST.

XI. Teaching of History. This course will include a study of the purposes of teaching history, the development of type studies, and consideration of suitable materials to be used in teaching history in the grammar grades. Reference books: Johnson's *Teaching of History* and Wayland's *How to Teach American History*. Mr. LOCKHART.

XII. Teaching of Intermediate Subjects. This course will consider the content and method of the fourth, fifth, sixth, and seventh grades. The content matter will be considered by type lessons, and training will be afforded in the method of teaching the various subjects in the grammar grades through lesson, plans, discussions, and assigned readings. Mr. KNIGHT.

XIII. Intermediate Story Telling. The purpose of this course is to teach the value of story-telling as applied to intermediate grades. The manner in which story-telling may be correlated with regular classroom work will be emphasized and illustrated by various types of stories which will be told and studied. The work will include practice in adapting and telling stories and in the dramatization of them. Suggestions will be made for arranging programs for county commencements and other public occasions. Mrs. RANSON.

XIV. Intermediate Physical Education; Games. See Education VIII. Primary Physical Education; Games. Fee for materials, 25 cents. Miss TAYLOR.

XV. Intermediate Practice School. The State prescribed course of study will be followed, and special work will be done in memory work and physical



PULLEN HALL—AUDITORIUM AND LIBRARY AND PRACTICE SCHOOL.

training. A Pupil's Reading Circle will be conducted in connection with English work. Patriotism will play an intensive part in the work, and the opportunity of making every recitation a patriotic one will be demonstrated. Miss PORTER.

XVI. Practical Elocution. Purpose, to broaden the power of individual thinking and arouse an appreciation of literature by the lucid interpretation of it to others, and to train teachers. Particular attention paid to the standing position, articulation, pronunciation, projection, breath control and voice development. Programs selected from the works of the popular poets will be given for entertainment. Mrs. MANN.

XVII. Aesthetic Physical Culture. The Swedish exercises employed so extensively in the military setting-up drills will be used for the purpose of gaining control of all the muscles in the body, with a view to obtaining correct posture, bearing, and carriage. Mrs. MANN.

XIX. Principles of Teaching. This course will deal mainly with the problems of teaching in the secondary school. Economy in the teaching process will be considered under such topics as supervised study and teaching pupils to study; the use of the various forms of school exercises; lesson planning; questioning; illustration and exposition in teaching; how to incite response on the part of the pupil. Mr. Cook.

XX. Teaching Agriculture in the High School. This course aims to give specific helps needed by a teacher of agriculture. The following topics are among those to which special attention is given: Farm and school accounting, cataloguing and filing bulletins, organization of subject-matter, lesson planning, laboratory and classroom arrangement, equipment, projects, use of illustrated materials, etc. Three single and two double periods. Mr. Cook. (See also Agriculture V.)

XXI. Classroom Management. Text-book, Bagley's *Classroom Management*. The purpose of this course is to study the various problems that will confront the teacher in the classroom and the school community. Special attention will be given to matters of routine, discipline, promotion, the making of lesson plans and daily schedules, the management of the recitation, etc. Reference books, Bagley's *Educative Process*, Thorndike's *Principles of Teaching*, and Seely's *School Management*. Mr. Best.

XXII. Rural School Management. The purpose of this course is to acquaint the student with the needs and problems of the rural school and the important place it occupies in rural development. Text-book assignments, lectures, assigned readings, and discussion. Mr. Knight.

XXIII. School Administration. Five hours. The purpose of this course will be primarily to familiarize the students with the plan of school administration in North Carolina for (a) county schools, (b) special charter schools, (c) the new certification law. Running parallel with this study, selected chapters of Cubberly's *School Administration* and Sneddon's *High School Administration* will be studied. Investigations and reports. Mr. Sentelle.

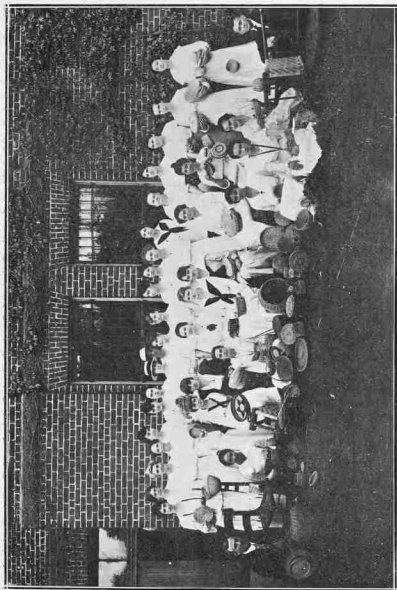
XXIV. County School Administration. This course will consider the county as the unit of school administration. It is intended for superintendents and supervisors and for those preparing themselves for administrative and supervisory work in county school organization. Attention will be given to the organization and supervision of the course of study, to the grading and promotion of children, and to other features of school administration, such as financial support and the direction of a county school system. Text-book assignments, lectures, discussions and reports. Mr. Knight.

ENGLISH

I. English for the Grades. Grammar and elementary composition form the basis for the greater part of the course. As time allows, reading in the grades below the high school will be discussed. Text-book, Robbins and Row's *Essential Studies in English*, Book II. Section I, Mr. Harrison; Section II, Mr. Hornaday.

II. English for High Schools. Ideals and methods in teaching English in the high school will be kept in view throughout the course. Particular attention will be given to the problem of adjusting high school work in English so that, while preparing some students for college, the greatest benefit may also accrue to those who will not enter college. Text-books, Lewis and Hosie's *Practical English for High Schools*; Duncan, Beck and Grane's *Prose Selections*. Mr. Harrison.

III. The Growth of National Ideals in American Literature. This course is intended for all, and especially high school, teachers of English literature. The



MISS DAVIS' CLASS IN BASKETRY

subject will be developed, beginning with the Colonial and continuing to the present time, from the Southern point of view. Readings in the College Library will be assigned. Text-book, Fulton's *Southern Life in Southern Literature*. Mr. HARRISON.

GEOGRAPHY

I. Geography, Grammar Grades. A course in teaching geography in the grammar grades. Five hours per week for six weeks. The minimum essentials for an elementary course in geography will be worked out, and the geographic influences upon local, State, and national life will be shown. Lectures, assignments, research work, illustrative materials, devices, standard tests, and lesson plans will take their places upon the program. Members of the class will be called upon to prepare and bring before the class model lessons in geography. These lessons will be followed by criticisms and general discussions. Mr. SEXTELLE.

HISTORY

I. North Carolina History. A course in North Carolina History, stressing especially the Colonial and Revolutionary Period, with the English background. Text-book, Hill's *History of North Carolina*. References: Ashe's *History of North Carolina*, Albertson's *In Ancient Albemarle*, Connor's *Makers of North Carolina History*, and Cheney's or Green's *Short History of England*. Miss ALBERTSON.

II. American History and Civics. This course is mainly content, and method will be given only incidental consideration. The work of the course will be based on *Our Republic*. History, four hours per week; Civics, one hour. Mr. LOCKHART.

III. Modern and Contemporary European History. The purpose of this course will be to reach an understanding of the European situation of today through a study of the changes of the last two centuries. Special emphasis will be given to the period since 1800. Text-book, Robinson and Beard's *Outlines of European History*, Part II. Mr. LOCKHART.

IV. Ancient History. This course will embrace a brief review of man's progress toward civilization in the leading Oriental countries, and will include the history of Greece, the Mycenaean Age to the Fall of Corinth in 146 B. C. Text-book, West's *Ancient World* (new edition). Collateral reading, Bury's *History of Greece* and Davis's *Readings in Grecian History*. Miss ALBERTSON.

HOME ECONOMICS

I. Teachers' Demonstration Course. Two hours weekly. First week: (1) Lecture: types of school, equipment, problems, text-books, uniforms, methods, sequence of lessons, reference readings. (2) Demonstration: typical lessons taught through recipes—cereals, vegetables, batters, doughs. Second Week: (1) Lecture: dishwashing, cost accounting, budgets, menu building, fuel. (2) Demonstration of batters, doughs, cheese, sauces, casserole, yeast-leavened rolls. Third Week: (1) Lecture: digestion, nutrition, hygiene, combinations. (2) Demonstrations: meats, deep fat frying, salads and simple salad dressings. Fourth Week: (1) Lecture: invalid cookery, for sick and for convalescent, dining-room courtesy. (2) Demonstration: invalid tray, eggs, milk, gelatine, tapioca.* Mrs. VAUGHN.

II. Housekeepers' Course. Three lessons weekly, three hours. First week: (1) Lesson: baking powder breads, plain and fancy. (2) Discussion: leavens. Second week: Yeast-leavened breads, various types of rolls, babas, brioche, light cake. Third week: Cakes—sponge, angel, sunshine, and hot-water types; butter cakes and icings, fruit cakes and icings. Fourth week: Pastries—plain, flake, puff; frozen desserts—parfaits, creams, ices, puddings; salads, salad dressings.* Mrs. VAUGHN.

III. Teachers' Course. An introduction to the study of foods. This course includes a study of food production and manufacture. Emphasis is placed on methods of preparation, and the influence of these methods on the structure and general composition of foods. Cost and serving of foods are considered. The course is adapted to meet the needs of teachers working in laboratories poorly equipped. Much stress is laid on war-time recipes. Fee covering cost of materials used, \$3. Miss BOGESS.

IV. Dietetics. A lecture and laboratory course arranged to give a concrete idea of dietary standards, with consideration of such problems as child diet, school lunches, family menus, fuel values, and cost of food in relation to the family budget. Miss BOGESS.

V. Household Chemistry. The text-books will be Weeds' *Chemistry in the Home*, which will be studied at the rate of two chapters each time. After the text has been completed, there will be discussions of such subjects as vegetarianism, pellagra, and war-time diet. Mr. PLUMMER.

VI. Home Food Conservation. In this time when not only our Allies but a large part of the neutral world is on the verge of famine, it is the duty of every loyal American who is not on the fighting line to "Drop every mortal theme and go to producing and saving food." Certain plans for reaching the people of the State in a definite program of producing and saving have been worked out and set in operation by the Division of Home Demonstration Work in cooperation with the Food Administration; and that these plans may be carried more fully to the people of the State, every student in the Summer School is invited to attend a course of three lectures by Mrs. Jane S. McKimmon, State Director of Home Economics under the U. S. Food Administration and State Home Demonstration Agent under the State Extension Service, the subjects of which are as follows:

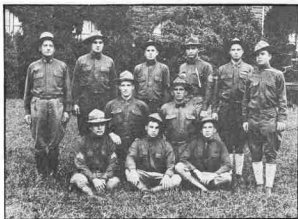
1. The responsibility of every loyal American in bringing his community together for food conservation.
2. Food values and food buying: balancing the family ration under war restrictions.
3. Living up to the regulations of the U. S. Food Administration—Helping Hoover.

HYGIENE, PHYSIOLOGY AND SANITATION

I. Hygiene, Physiology and Sanitation. This course is intended for teachers of these subjects in the grades and follows the State adopted books: *Carriage of the Body and Schoolroom Exercises*; *Foods: Their Selection and Uses in the Body*; *The Air We Breathe: Respiratory System*; *Teeth, Tonsils, and Adenoids*; *Keeping the Digestive Organs in Health*; *Circulatory System and*

*Fifth and sixth weeks will be devoted to war-time recipes and diets.

the Effects of Tobacco and Other Drugs; Body Resistance and Elimination; Skin, Clothing, and Prevention of Colds; Eyes and Ears, and Care of the Nervous System; Habits, Hygienic and Otherwise; Causes and Transmission of Disease; Insects and Health; Accidents: Bandaging; Tuberculosis Day for Schools; Other Diseases of Air Passages and Lungs; Typhoid and Other Intestinal Diseases; Hookworm: Examination for and Treatment; Bacteria and Bacterial Diseases; Drinking Water: Soil Pollution; Disinfection: Fumigation and Quarantine; North Carolina Laws Relative to Contagious Diseases; Early



CLASS IN SOLDIER FRENCH

Symptoms of Disease (Temperature Taking); Health Topics for Primary Grades and Method of Getting "Results"; Physical Examinations of Public School Children; The Government and Public Health. Miss EHRENFELD.

LANGUAGE

I. Beginners' Course in Latin, in which Method will be emphasized. Mr. HARPER.

II. Advanced Course in Latin will consist of Virgil's *Aeneid* or *Cicero*, or *Caesar*, or *Nepos*, according to the wishes of the class. One lecture a week in this course will be on the private life among the Romans, giving details also as to Roman political institutions. This course will be made as helpful to teachers as possible. Mr. HARPER.

III. French: Elementary. Reading and oral practice with elements of grammar. This course is intended for students who have no previous knowledge of French. Practice in the pronunciation and hearing of French will be afforded by means of reading, dictation, and, as early as practicable, the recitations will be conducted at least partially in French. Texts: Aldrich and Foster's *Foundations of French*; *Le Premier Livre*, Meras; *Le Petit Vocabulaire*, Meras. Miss DINWIDDIE.

IV. French: Teaching. French in secondary schools, study of material, lectures, recitations and papers. This course aims to organize the various kinds of knowledge necessary for teaching French in secondary schools. It deals

with the subject-matter and with the apparatus of French teaching, giving practical work in the most approved modern methods of teaching the language. Texts: *Conversational Reader*, Bierman and Frank; *Huit Contes Choisis*, Maupassant. Miss DINWIDDIE.

V. French: Rapid Reading and Conversation. The object of this course is to give to the student a thorough appreciation and, as far as possible, mastery of the French language as an instrument of expression. The exercises will consist of reading aloud, reproductions, reciting from memory, and composition. Text: *La Belle France*, Lamartine's *Gazielles*. Miss DINWIDDIE.

VI. Soldier French. This course will be for the benefit of the soldiers who will be present at the school during the summer. The object will be to fit Sammy to make himself understood by Francois. Miss DINWIDDIE.



WATAUGA HALL

VII. German. A practical course in a language which is important for literary purposes and as a gateway to much of the most valuable technical material in philology, medicine, chemistry, and other sciences. Text-books, Joyes and Wesselhoeft's *German Grammar* (or Voss's *Essentials of German*, new edition) and Bacon's *Im Vaterland*. Mr. HORNADAY.

MATHEMATICS

I. Arithmetic, Grammar Grades. This course is for advanced pupils and for teachers. Five hours per week for six weeks. One purpose of this course will be to discover the best methods of teaching arithmetic in the grammar grades. The four fundamental principles—addition, subtraction, multiplication, and division—will be applied in practical problems from everyday life. Lectures, individual assignments, lesson plans, and standard tests will be given a place in the course. Model lessons will be worked out by members of the class. Time will be given for criticisms and general discussions. Mr. SENTELLE.

II. Algebra: Beginners. This course is intended for those who have never studied algebra, but who wish to prepare themselves for better work as teachers by widening their knowledge of Mathematics. The course will begin with the most elementary principles and concepts of algebra and will cover the ground ordinarily completed in one year of high school work. To prepare this work will require two or three hours of study daily out of class. Text: Well's *Algebra for Secondary Schools*. Mr. AMICK.

III. High School Algebra. The general purpose of this course is to give to the teachers of high school algebra a thorough review of the work beginning with simple equations. The ground covered in the six weeks is that of a full year's work in the high school, so that a fair knowledge of algebraic principles and methods is presupposed. The following subjects will be studied: simple equations, involution, evolution, exponents, radicals, quadratics, and simultaneous quadratics. Special emphasis will be laid upon the solution of problems illustrating the principles. Text-book, Well's *Algebra for Secondary Schools*. Mr. AMICK.

IV. Algebra: Advanced. In this course the work will begin with quadratic equations and will proceed with the study of the binominal formula, the different progressions, convergence and divergence of series and a special study of the binomial, exponential, and logarithmic series. The course will be closed by a study of inequalities, determinants, and the theory of equations. The first few lessons will be devoted to review work so that the course may be made intelligible to those teachers who have some acquaintance with algebra. Text, Well's *New Higher Algebra*. Mr. AMICK.

V. Plane Geometry. This course is designed for students who wish to repair deficiencies, or to prepare themselves for teaching, geometry or who wish to prepare for college entrance. The course will be a rapid survey of all the principal parts of the plane geometry, and presupposes some knowledge of the subject. However, the work will be of such a nature that those who have never studied the subject will be able to make the course by doing some two or three hours of work out of class daily. There will be discussed the logical connection of the theorems and processes of elementary geometry; the definitions and the fundamental concepts; the axioms of geometry and the nature of geometrical proof; the systematic study of the original solution and the methods of attack of geometrical problems; the theory of geometric graphical solution; and the problems pertaining to all the principles studied. Text, Wentworth and Smith's *Plane Geometry*. Mr. AMICK.

VI. Solid Geometry. This course presupposes a knowledge of plane geometry. Especial attention will be given to the logical development of the subject and the relationship between the propositions. Numerous original exercises will be assigned and required of each student. Text, Wentworth and Smith's *Solid Geometry*. Mr. AMICK.

MUSIC

I. Public School Music: Primary Grade. Sight singing, ear training, rhythm; the rote song, how to present it; its educational values and aims; how to train and develop the child's voice. Mr. OWEN.

II. Public School Music: Intermediate Grade. Sight singing, psychology of the voice, rhythmic problems in sight singing intervals, dictation, vowel formation and poise. Mr. OWEN.

III. Normal Course in Piano Teaching. This course will consist of a daily lecture on the following subjects: (1) Exercises for touch, (2) the trill, (3) scales, major and minor, (4) common chords and arpeggios, (5) octaves and double thirds, (6) the pedal, (7) dominant seventh and diminished seventh chords, chromatic exercises. Each lecture will be illustrated with practical examples. There will be on exhibition a selection of desirable teaching material for Grades 1, 2, 3, and 4, from the classic and modern schools, with illustrations and explanations. Miss Dowd.

NOTE.—Mr. Owen and Miss Dowd will give private lessons to a limited number of pupils making arrangements with them.

RURAL SOCIOLOGY

I. Rural Sociology. Text-book, Gillette's *Constructive Rural Sociology*. The purpose of this course is to give teachers, ministers and other social



INFIRMARY

workers an understanding of country conditions and suggestive plans for improving these conditions. Special emphasis will be placed on the early social development of the United States and North Carolina particularly; on country problems of cooperation, transportation, sanitation, health, recreation, morality, illiteracy, poverty, etc.; on rural community institutions, the church, school, farmers' organizations, etc.; on making rural social surveys. Reference books: Wilson's *Evolution of the Country Church*, Field and Nearing's *Community Civics*, Bulletins from the State Bureau of Community Service. Mr. BEST.

SCHOOL LAW

I. School Law. The aim of this course is to prepare the teacher to train the children in citizenship, and also to qualify the teacher to become a leader in the civic life of the community. The sections of the school law pertaining to the duties of teachers will receive special emphasis, and the sections in regard to voting special taxes, the establishment of farm-life and county high schools, and the enforcement of the compulsory attendance law will be studied carefully. An incidental purpose of the course will be to prepare teachers to take the State and county examinations on school law. Mr. RANSON.

SCIENCE

(See also Agriculture, Geography, and Hygiene.)

I. General Science. A course planned to meet the needs of the rural schools. The impossibility of giving satisfactory courses in all the sciences at the rural schools is recognized. Yet no class of pupils offer a better opportunity for the study of the elementary facts of science. The country boy or girl sees on every side phenomena of nature which he does not understand and to which too frequently he gives no thought. A scientific interpretation of these phenomena not only increases the ability of the man to adapt himself to his environment and to use the forces of nature most effectively, but adds much to the pleasure of life in the country. The subjects taken up in this course will be: Air, its characteristics and effects on season and climate; Water and its uses; Work and Energy. The course is accompanied by demonstrations and experiments with simple apparatus. **MR. W. H. BROWNE.**

II. Physics, Introductory. A modified or abbreviated course in College Physics cannot be given satisfactorily in the high schools; yet a knowledge of the fundamental laws of physics should be of the greatest value to 97 per cent of the high school pupils who do not go to college. These laws can be developed from the study of phenomena common in the everyday life of the pupil, and he may thereby not only learn the scientific method of studying any problem, but gain beside a large fund of useful information. The course is accompanied by demonstrations and simple laboratory exercises. **MR. W. H. BROWNE.**

III. Advanced Work in Physics. The Physics Department will open its laboratories during the period of the Summer School so that those desiring it may take advanced work or research. Under the direction of Mr. Dixon, instructor in the department, one may pursue in the laboratory corresponding to the second and third years of College Physics or may undertake research in X-ray work or other subjects in electricity or light. Those intending to take such work should correspond with Mr. A. A. Dixon in regard to same before the opening of the session.

IV. Chemistry, Introductory. This course will deal with the fundamental theories and laws of chemistry and with the more common elements and their compounds. The lectures will be illustrated with experiments. The work is designed to meet the needs of teachers in the high schools, and emphasis will be laid upon the connection between chemistry and life as well as upon methods of presentation and experimental demonstration of chemical processes. Text-book, McPherson and Hendersons *First Course in Chemistry*. Daily except Saturday. **MR. W. H. BROWNE.**

V. Household Chemistry. The text-book will be Weed's *Chemistry in the Home*, which will be studied at the rate of two chapters each time. After the text has been completed, there will be discussions of such subjects as vegetarianism, pellagra, and war-time diet. **MR. PLUMMER.**

WRITING

I. Palmer Method. Courses will be offered in blackboard work, critic classes, and classes in the mechanics and pedagogy of the Palmer method of business writing. Some time will also be given to conferences. **MR. LONDON** and **MISS PAGE.** (See also Primary Writing.)

SUMMER SCHOOL STUDENTS, 1917.

<i>Name</i>	<i>Postoffice</i>
ANNIE MAE ADAMS	Willow Springs
MARCIE P. ALBERTSON	Elizabeth City
MRS. INEZ ALEXANDER	Southport
SUE ALLEN	Hendersonville
KATHERINE ALSTON	West Raleigh
MARION FRANCES ALSTON	West Raleigh
MRS. THOMAS C. AMICK	Elon College
ZEKE ARNOLD	Creswell
MRS. CHAS. D. ARTHUR	Raleigh
ANNIE ASHBURN	Liberty
HATTIE ASHBURN	Liberty
CLARENCE L. G. ASHBY	Raleigh
MAMIE LEE AVENT	Cary
MYRA ATCOCK	Fremont
MARIAN BAILEY	Blackstone, Va.
LILLIE MAE BAIN	Fayetteville, R. 1
F. Q. BARBEE	Robersonville
J. R. BONETT	Farmville
WALTER D. BARBEE	Seaboard
META IRENE BARRINGTON	Raleigh, R. 2
LENA ROGERS BARROW	Raleigh
ROSA E. BARROW	Raleigh
SWANNANOVA BAUCOM	Raleigh, R. 2
HATTIE EVELYN BAZEMORE	Ahoskie
BEYRL BERTIE BEAM	Roxboro
GLADYS MAR BEAM	Roxboro
J. A. BEAM	Roxboro
MRS. J. A. BEAM	Roxboro
THELMA BEDDINGFIELD	Wake Forest
ELIZABETH BENNETT	Warrenton
J. W. BENNETT	Brevard
MARTHA A. BENNETT	Durham
RANDOLPH BENTON	Cary
EVA D. BERRY	Elizabeth City
MRS. SAM BERWANGER	Raleigh
MRS. T. W. BICKETT	Executive Mansion, Raleigh
DAISY BLAND	Sanford
ROSE BLAND	Sanford
T. Y. BLANTON	Lillington
MARY C. M. BLEDSOE	Raleigh
BESSIE BLUE	Raleigh

<i>Name</i>	<i>Postoffice</i>
ADDIE E. BORDEAUX	Durham, R. 7
ORTON A. BOREN	Pomona
MRS. A. F. BOWEN	West Raleigh
ANNIE BOWEN	West Raleigh
ELLEN B. BOWEN	Jackson
ELIZABETH BOWEN	West Raleigh
EUNICE W. BOWEN	West Raleigh
ISABEL W. BOWEN	West Raleigh
PHYLLIS BOWEN	West Raleigh
LORA G. BOWMAN	Liberty
MARY WASHINGTON BOWMAN	Liberty
GRACE BRADFORD	Carthage
MARY BRADLEY	Elizabeth City
ANNIE BRANTLEY	Spring Hope
LULA B. BRANTLEY	Spring Hope
SALLIE BRASWELL	Nashville
MRS. KATIE BREECE	Raleigh
EMMA BRIGGS	High Rock
GERTRUDE BRINKMAN	Shreveport, La.
ETHEL BRITT	Garner
MR. BROWN	Vass
HELEN H. BRUNER	Raleigh
MARY K. BRUNER	Raleigh
H. W. BULLARD	Harmony
KATE BULLARD	Wake Forest
LOUISE T. BUSBEE	Raleigh
A. B. CAMERON	Leland
MRS. A. B. CAMERON	Leland
W. P. CAMERON	Carthage, R. 2
MRS. WM. R. CAMP	Raleigh
DENA CANNADAY	Creedmoor, R. 1
BESSIE C. CARMAN	New Bern
IRMA LOUISE CARRAWAY	Wilson
MAMIE KATE CARTER	Carter's Mills
WIRTA CASH	Oxford
WRENNIE VIOLA CAUDLE	Raleigh, R. 4
IRVING EDWARD CARLYLE	Wake Forest
MINETTE CAUSSE	Raleigh
MRS. J. R. CHAMBERLAIN	West Raleigh
Elizabeth Cheatham	Durham
DAISY CLODFELTER	Lexington
ANNIE M. COLE	Sanford
BLONNIE COLE	Riggsbee
LEAH IRVIN COOKE	Castalia, R. 1
LULA D. COOPER	Raleigh

<i>Name</i>	<i>Postoffice</i>
ELLA BELLE COPELAND	Gastonia
BEATRICE COUNCIL	Apex
BETTIE COUNCIL	Apex
ENID COUNCIL	Apex
S. G. CRATER	Rocky Mount, R. F. D
MAY CRAVER	Lexington, R. 4
MRS. HENRY HANSON CRAWLEY	Littleton
Mrs. A. M. CROUCH	Raleigh
NANNIE BURWELL CROW	Raleigh
W. B. CRUMPTON	Salisbury
Mrs. DELLA POOLE DAUGHTRY	Clayton, R. 3
MARY DAVENPORT	Winton
MAMIE LULA DAVIS	Creek
EVA DAVIS	Creek
ARTIE DISHMAN	Wake Forest
VIVIAN DILLON	Tuscarora
ELIZABETH DORTCH	Raleigh
BESSIE DOUB	Wendell
MABEL DUKE	Louisburg
CARRIE B. DUNN	Wise
EMMA DUNN	Wise
HILDA DUPREE	Garner
ETHEL DUPONT	Snow Hill
BESSIE DURHAM	Scotland Neck
JOSEPH E. EASON	Farmville
FLORENCE EDGERTON	Louisburg
KATE ELDRIDGE	Bentonville
VIRGINIA A. ELDRIDGE	Raleigh
RUBY L. ELLINGTON	Garner
JEAN ELLIOT	Thornwall
SUSAN OLA ELLIOTT	Lattimore
MARY DAVIS ESTILL	Winchester, Tenn.
MINNIE EURE	Corapeake
Mrs. H. C. EVANS	Raleigh
PEARLE VIOLET EVANS	Lexington, R. F. D. No. 4
GULIA M. FAISON	Raleigh
MINNIE B. FARRIOR	Raleigh
LILLIAN FENNER	Raleigh
LELIA FALTZ	Clemmons, R. 2
KATE FERGUSON	Neuse
LOUISE FORBES	Farmville, Va., R. F. D.
ELLA A. FORD	Raleigh
MAY BELLE FRANKLIN	Raleigh, R. 4
T. R. FOUST	Greensboro
MINNIE L. FRANKLIN	Raleigh, R. 4

<i>Name</i>	<i>Postoffice</i>
B. B. FULCHER	Creswell
Mrs. LUCY M. FONVILLE	Burlington
LUCY FULLER	Wake Forest
KATE M. GAINES	Clinton
MARY E. GARDNER	Raleigh
NINA GATLING	Fayetteville
WILLIE GETTYS	Hollis
EDITH FLEMING GILBERT	Cooleemee
RACHEL GILCHRIST	Cameron
Mrs. D. F. GILES	Raleigh
OLA GILES	Durham
DELLA GILLESPIE	Rosman
ADA BELLE GILLEY	Spray
ALICE GIERSCH	Raleigh
Mrs. M. MacR. GRAY	Raleigh
R. L. GRAY, JR.	Raleigh
BELLE C. GRAHAM	Townsville
KENNETH LEE GREENFIELD	Zebulon
FRANCES HALES	Kenly
Mrs. JOHN E. HALSTEAD	Raleigh
BERTIE HARRELL	Eure
Mrs. A. L. HARRINGTON	Raleigh
EDNA EARLE HARRIS	Gaffney
NETTIE L. HARRIS	Roxboro
SUDIE HARTON	Rutherfordton
OLLIE HEGE	Welcome
Mrs. R. V. HELAMS	West Raleigh
BESSIE R. HELLEN	Raleigh
CELESTE HENKLE	Statesville
LUCY HERRING	Raleigh
MARGARET M. HERRING	Sylva
EVELYN L. HICKS	Greenville
LENOA HICKS	Ridgeway
CHARLIE H. HICKS	Thomasville
STELLA HICKS	Wise
MARGARET W. HIGHSMITH	Durham
OLIVIA HILL	Snow Hill
RANDOLPH HILL	West Raleigh
NELL HINSDALE	Raleigh
OLIVIA M. HOBGOOD	Louisburg
MAMIE A. HOCUTT	Selma, R. 2
ROBERT K. HOKE	Macesfield
R. L. HOKE	Raleigh
Mrs. R. L. HOKE	Raleigh
LOUISE COX HOLDING	Wake Forest

<i>Name</i>	<i>Postoffice</i>
ANNIE LAURA HOLMAN	Raleigh
ELIZABETH F. HOLMAN	Raleigh
MARY B. HOLMAN	Raleigh
EMMA STEVENS HOOVER	Monroe
MRS. C. L. HORNADAY	Durham
VERA HOUSE	Balsam Grove
J. S. HOWARD	Cary
OLLIE JUANITA HOWARD	Effand
RACHEL HOWARD	Effand
MABEL HOWARD	Raleigh
MINNIE IDELL HUNT	Lexington
NANNIE IDELL HUNT	Lexington, R. 3
ELIZABETH HUNTER	Raleigh
MAY HUNTER	Henderson
MATTIE HUMPHRIES	Hollis
MRS. W. N. HUTT	West Raleigh
SUSAN IDEN	Raleigh
BERTHA ISELY	Burlington, R. 8
MARGARET ISLEY	Burlington, R. 8
RACHEL IVEY	Cary
BESSIE JACKSON	Garner
MRS. CHARLES L. JENKINS	Raleigh
DORA E. JENKINS	Franklinton
MAMIE B. JENKINS	Kelford
MRS. B. S. JERMAN	Raleigh
GLADYS JEROME	Kenly
W. T. JERVIS	Asheville
MRS. CLARENCE A. JOHNSON	Raleigh
EVIE JOHNSON	Garner
ROXIE R. JOHNSON	Goldsboro
STELLA JOHNSON	Garner
MARY H. JOHNSTON	Spray
ALVA JONES	Wakefield
ELIZABETH BRICE JONES	Raleigh
FANNIE E. JONES	Harrellsville
HALLIE A. JONES	Roxboro
LENA R. JONES	Zebulon
H. I. JOSLYN	Vanceboro
GEORGIA JOYNER	La Grange
IONE V. CAMP	Reidsville
BUENA KERNE	Mount Olive
ETHIL P. KELLY	Jackson
MRS. A. P. KENDRICK	Raleigh
ELIZABETH KILGORE	Raleigh
BESSIE KING	Raleigh

<i>Name</i>	<i>Postoffice</i>
SAMUEL J. KIRBY	Dallas
LUCY KISER	Kings Mountain
KATHERINE B. KNOX	Raleigh
Mrs. A. W. KNOX	Raleigh
BESSIE V. KORNEGAY	Kenansville
ELIZABETH LAMB	Fayetteville
Mrs. W. B. LAMB	Garland
R. K. LANKFORD	Harmony
NANCY LANSDELL	Semora
Mrs. H. F. LATSHAW	Almond
H. F. LATSHAW	Almond
WILLIAM D. LAWLER	Raleigh
ELLEN BOOTH LAY	Raleigh
ELIZABETH ATKINSON LAY	Raleigh
J. T. LAZAR	Aulander
CLARA LEATHERWOOD	Lake Junaluska
PEARL LEDBETTER	Uree
RUTH ADDISON LEE	Raleigh
SOPHIA D. LEFLER	Coolesmeec
CLINARD LEGRAND	Mocksville
WINNIE LEONARD	Hickory
ROSA MAY LILES	Wadesboro
SADIE E. LIMER	Afton
TREVA ALENE LIVENGOOD	Winston-Salem, R. 5
BONNIE B. LOFTIN	Trenton
CHARLOTTE E. LONG	Newton
CHARLES E. LONG	Newton
MITTIE LONG	Thomasville
EULA ANN LOVE	Newton
ANNIE MAY LOWRY	Raleigh
CARRIE BELLE LOWRY	Raleigh
LEILA LOWRY	Neuse
Mrs. ELIZABETH W. LUCAS	Enfield
F. G. LUCAS	Four Oaks
C. G. LYON	Durham
ALICE MAE McBRAYER	Rutherfordton
Mrs. CARRIE McCAULAY	Nashville
ANNIE MAY McDADE	Raleigh
CARRIE McDUGALD	Statesville
A. D. McFADYEN	Greensboro
ANNIE McFADYEN	Cameron
M. R. McGIRT	Durham
H. H. McKEOWN	Mount Gilead
Mrs. H. H. McKEOWN	Mount Gilead
CHRISTIAN McKEITHAN	Fayetteville, R. 4

<i>Name</i>	<i>Postoffice</i>
IDA J. McKEITHAN	Fayetteville, R. 4
VERA McMILLAN	Wade
PEARL McNEILL	Vass
Mrs. F. W. MAHLER	Raleigh
H. H. B. MASK	Newton
ELEANOR H. MASON	Raleigh
BEATRICE POE MASSEY	Raleigh
C. W. MASSEY	Durham
JANET LEE MATTHEWS	Winton
KATIE ALENE MAYNARD	Morrisville
MARGARET LILLIAN MAYNARD	Apex
MAMIE E. MEEKS	Ridgecrest
CORINNA LeMAY MIAL	Raleigh
LUCY MIDDLETON	Warsaw
CHARLES E. MILLER	China Grove
Mrs. C. E. MILLER	China Grove
ELIZABETH D. MILLER	Raleigh
Mrs. HARTWICK MILLS	Raleigh
ANNIE E. MIZELLE	Windsor
WALTER F. MORLEY	Fayetteville
EDNA MOORE	Southport
GERTRUDE MOORE	Warsaw
MILDRED MOORE	Atkinson
HATTIE B. MORGAN	Apex, R. 4
HORACE G. MORGAN	Raleigh
ANNIE MORRIS	Complex
Mrs. CORNELIA C. MORRIS	Roanoke Rapids
SALLIE BELLE MORRIS	Complex
CLYDE B. MOSS	Littleton, R. 2
MARIE MOSS	Littleton, R. 2
LINZA MOZINGA	La Grange
ZULA MURRAY	Apex
MINNIE MUSE	Cameron
MATTIE BELLE NEWTON	Dunn, R. 1
ELLIE NICHOLSON	Macon
CORA LEE NIXON	Topsail
IRENE NIXON	Topsail
C. J. NIBLETT	Louisburg
EMMA A. NOELL	Durham
BESSIE NORWOOD	Raleigh
RUTH OLDHAM	Raleigh
MARGARET HELEN OUTLAND	George
DORA BRENT OVERTON	Kittrell, R. 2
MARY ANDERSON PAGE	Raleigh
Mrs. W. L. PAGE	Morrisville

<i>Name</i>	<i>Postoffice</i>
DOROTHY LEE PARK	Raleigh
FRANCES PARK	Raleigh
ELIZA PARKER	Garner
ZELMA IRENE PARNELL	High Point
COURTNEY PEACE	Oxford
MRS. LEAK PEACE	Oxford
MARY PEACE	Raleigh
DALLIE E. PEEDE	Neuse
ETHELYN PENNY	Neuse
EUNICE ESTHER PENNY	Lexington, R. 1
MRS. E. O. PENNY	Neuse
LIDA L. PENNY	Raleigh, R. 1
MARY PENNY	Garner
SIBYL WINNA PENNY	Raleigh, R. 1
ESTELLE PERRY	Macon
MAY PERRY	Louisburg
IDA MAY PERRYMAN	Welcome, R. 1
MARGARET PERRYMAN	Welcome
LUCY MERCER PETWAY	Enfield
MARGUERITE PIERCE	Winston-Salem
CLAIRE PIPER	Raleigh, R. 1
ROCHELLE PIPPIN	Wakefield
R. L. PITTMAN	Fairmont
MRS. J. K. PLUMMER	Raleigh
BESSIE J. POPE	Raleigh
CLARA POPE	Scotland Neck
ZOE PORTER	Roanoke Rapids
JASPER PREDDY	Franklinton
VASSAR PREDDY	Franklinton
SALLIE POTTER	Winnabow
MARY E. PRICE	Charlotte, R. 12
ELIZABETH QUINERLY	Greenville
ANNIE S. RAMSEY	Raleigh
ANNIE LEE RANKIN	Charlotte
DOROTHY CAROLINE RAY	Raleigh
GEORGIANA RAY	Wakefield
PEARL RAY	Wake Forest
WILLA MARGARET RAY	Raleigh
ANNIE RHEW	Rougemont
ISLA RHEW	Rougemont
G. W. RHODES	Newport
ANNA IVEY JONES RIDDICK	West Raleigh
LILLIAN DAY RIDDICK	West Raleigh
MRS. W. C. RIDDICK	West Raleigh
LIZZIE ESTELLE RIPPLE	Lexington, R. 4

<i>Name</i>	<i>Postoffice</i>
ROY M. RITCHIE	Wilson, R. 2
D. ERNEST ROBERTS	Rich Square
JANIE ROBINSON	Monroe
KATHERINE W. ROGERS	Raleigh
LIZZIE J. RODDICK	Winston-Salem
MRS. H. E. SATTERFIELD	West Raleigh
MAZIE ROSELLE SEARS	Morrisville
CECIL H. SHEFFIELD	Brevard
MARY SHELTON	Rocky Mount
M. P. SHETLEY	Bessemer City
MRS. C. A. SHORE	Raleigh
LESTIE MILDRED SINK	Winston-Salem
THOMAS H. SLEDGE	Rocky Mount, R. 3
CRISSIE SMITH	Lexington
D. KATHLEEN SMITH	Harmony
ELEAN STUART SMITH	Scotland Neck
ESTELLE SMITH	Goldsboro
ETHEL BOONE SMITH	Cary
LEILA SMITH	Maxton
MAGGIE SMITH	Maxton
MATTIE WOOTEN SMITH	Atkinson
MINDA ELIZABETH SMITH	McCullers
ANNIE PAULINE SMITH	Louisburg
MRS. R. R. SMITHWICK	Wendell
ANNIE ROSE SOUTHERLAND	Mount Olive
LUCILLE SOUTHERLAND	Southport
DEWEY S. SPRUILL	Creswell
SARAH CATHARINE STANCILL	Selma
W. E. SKINER	Pineville
MRS. W. E. STEINER	Pineville
ELIZABETH STELL	Raleigh
LUCILLE STELL	Wakefield
GORDAN VAN STEVENS	Raleigh, R. 4
LENA STEPHENSON	Raleigh, R. 4
OLA STEPHENSON	Greensboro
SARAH ELIZABETH STEPHENSON	Oxford
VIRGINIA STEPHENSON	McCullers
FLORENCE DOUGLAS STONE	Raleigh
MILDRED K. STODDARD	Raleigh
MARGARET RUTH STRAYHORNE	Raleigh
CARL STRICKLAND	Louisburg
LELA STRICKLAND	Dunn
MRS. F. M. STRONACH	Raleigh
EURA VANCE STROTHER	Franklinton
MELISSA A. STROTHER	Franklinton

<i>Name</i>	<i>Postoffice</i>
RUTH STROTHER	Hester
VIRA SWAIN	Southport
LOUISE DELTA SWICEGOOD	Linwood, R. 1
LILLIAN E. TALTON	Smithfield
LILLIE TART	Newton Grove
CORDELLA TATE	Raleigh
ALICE TAYLOR	Stovall
MAGGIE TAYLOR	Nashville
A. L. TEACHEY	Pleasant Garden
ELIZABETH A. TELFAIR	Raleigh
UNA MAE TERRY	Spray
SUE W. THACKSTON	Raleigh
ROY THOMAS	Durham
Mrs. W. S. THOMAS	Raleigh
SENIE L. THOMASSON	Stem
ALICE LILLIAN THOMASSON	Zebulon
ELIZABETH THOMPSON	Raleigh
Mrs. H. C. THOMPSON	Raleigh
LILLIAN M. THOMPSON	Raleigh
SALLIE ELIZABETH THOMPSON	Lexington
Mrs. WILLIAM TIDBALL	West Brighton, Staten Island, N. Y.
LOMA ELIZABETH TRULL	Raleigh
J. M. TURNER	Smithfield
THOMAS H. TURNER	Mayodan
Mrs. WINGATE UNDERHILL	Louisburg
ROBERT EARL UNDERWOOD	Youngsville
DOROTHY McDOWELL VANN	Raleigh
EDWIN VAUGHN	Nashville, Tenn.
PRESTON J. VAUGHN	Nashville, Tenn.
MARTHA VAUGHN	Coscob, Conn.
WILLIAM VAUGHN	Nashville, Tenn.
WILLIE HUNTER VERNON	West Raleigh
EFFIE LOUISE VINES	Tarboro
ELIZABETH LeGRAND WALKER	Raleigh
EMILIE HUNT WALKER	Raleigh
NANCY T. WALL	Lilesville
LILLIAN WALTON	Woodsdale
OPHELIA WARREN	Woodsdale
Mrs. B. E. WASHBURN	Raleigh
MARY WASHBURN	Rutherfordton
EUNICE TYLER WATSON	Roxobel
ANN LOUISE WEIS	Culpeper
JULIA WEST	Raleigh
JOSEPHINE WESTER	Norlina
LILLY WHITE	Raleigh

<i>Name</i>	<i>Postoffice</i>
LILLIE H. WHITE	Franklinton
MARY IRIS WHITE	Hertford, R. 2
MARY M. WHITE	Raleigh
MARY NEWBY WHITE	Belvidere
MAMIE WHITESIDE	Rutherfordton
ISABEL WICKER	Southern Pines
IRMA WILKERSON	Roxboro
IRVING C. WILLIAMS	Louisburg
JANE WILLIAMS	Linden
JENNIE MAE WILLIAMS	Dunn, R. 1
NEVA PEARLE WILLIS	Gloucester
BERTHA BEULAH WILSON	Mebane
Mrs. FLORENCE R. WINN	Lincolnton
HERMAN E. WINSTON	Youngsville
STEPHEN E. WINSTON	Youngsville
MAMIE WITHERS	Davidson
Mrs. W. A. WITHERS	Raleigh
NOY WOMBLE	Apex
MARY WOODBURN	Morven
LOOMIS ELDRIDGE WOODLEY	Creswell
MAGGIE C. WOODS	Hickory
BURNELL WOODWARD	Raleigh, R. 4
Mrs. W. A. WOODY	Woodsdale
MOUZON, WORSHAM	Cornelius
FANNIE FOSTER WORTHAM	Franklinton
MARY ELIZABETH WORTHAM	Franklinton
HALCY WRIGHT	Youngsville
LOUISE B. WRIGHT	Raleigh
EMMA YABBERO	Raleigh
KATHERINE LOUISE YARBROUGH	Raleigh
MARY YARBROUGH	Raleigh
LEONITA YATES	Raleigh
MARJORIE YATES	Raleigh
CHARLOTTE RAYBURN YOUNG	Asheville
LINVILLE YOUNGER	Stovall
DORA ZIMMERMAN	Lexington, R. 1
SHELTON ZOELLER	Elizabeth City

LIST OF PRACTICE SCHOOL STUDENTS, SUMMER, 1917

<i>Name</i>	<i>Address</i>
BRANTLEY AYCOCK	Raleigh
LESLIE BAILEY	Raleigh
THOMAS BAILEY	Raleigh
LEZZIE PULLEN BELVIN	Raleigh
CICELY BROWNE	Raleigh
MELISSA CHAMBERLAIN	Raleigh
KENNETH CURTIS	Raleigh
ROBERT CURTIS	Raleigh
MIRIAM DAUGHTRY	Raleigh
JUSTICE DAVIS	Raleigh
MILDRED DAVIS	Raleigh
ANNIE LOUISE EVANS	Raleigh
WILLIAM F. EVANS	Raleigh
JEWELL R. GILES	Raleigh
EDMOND GRAY	Raleigh
ROY GROGAN	Raleigh
JOHN HALSTEAD	Raleigh
NANCY HARDEN	Raleigh
DOROTHY HOWARD	Raleigh
ROBERT HOWARD	Raleigh
SUSIE JOHNS	Raleigh
FRANK KING	Raleigh
CARROLL MANN	Raleigh
BUSTER MANNING	Raleigh
VANDRY MATTHEWS	Raleigh
KATHLEEN MOSER	Raleigh
MARGARET PENCE	Raleigh
ALTON PRINCE	Raleigh
MARY A. RANSON	Raleigh
BURTON REGISTER	Raleigh
EUGENIA RIDDICK	Raleigh
MARY LEE SEARS	Raleigh
RICHARD SEAWELL	Raleigh
MARGARET STALLINGS	Raleigh
CAREY STEELE	Raleigh
JULIA F. STEELE	Raleigh
LOETITIA STEELE	Raleigh
NANCY SEELE	Raleigh
JULIA MAE STONE	Raleigh
ELIZABETH STROWD	Raleigh
WILLIAM STROWD	Raleigh

<i>Name</i>	<i>Postoffice</i>
FRANK TERRELL	Raleigh
WINGATE UNDERHILL	Raleigh
MAJOR WILSON	Raleigh
MARY LAURENS WITHERS	Raleigh
WILLIAM ALPHONSO WITHERS, JR.	Raleigh
ELIZABETH YATES	Raleigh



PRIMROSE HALL

NORTH CAROLINA STATE COLLEGE
OF
AGRICULTURE AND ENGINEERING

COURSES OF INSTRUCTION

I. Agriculture.

- a. Four-year Course in Agronomy.
- b. Four-year Course in Animal Husbandry and Dairying.
- c. Four-year Course in Agricultural Chemistry.
- d. Four-year Course in Horticulture.
- e. Four-year Course in Vocational Education.
- f. Four-year Course in Poultry Science.
- g. Four-year Course in Veterinary Science.
- h. Four-year Course in Biology.
- i. One-year Course in General Agriculture.
- j. Farmers' Course in General Agriculture.

II. Engineering, Mechanic Arts, and Chemistry.

- a. Four-year Course in Chemical Engineering.
- b. Four-year Course in Civil Engineering.
- c. Four-year Course in Electrical Engineering.
- d. Four-year Course in Mechanical Engineering.
- e. Two-year Course in Mechanic Arts.

III. Textile Industry.

- a. Four-year Textile Course.
- b. Four-year Textile Chemistry and Dyeing Course.
- c. Two-year Textile Course.

IV. Summer School.

V. Graduate Courses.

For catalogue, illustrated circulars, and entrance blanks, write

E. B. OWEN, REGISTRAR,
WEST RALEIGH, N. C.

ROOM RESERVATION FOR ENTIRE SESSION

(TEAR OFF AND MAIL)

Date.....

W. A. WITHERS, *Director,*
State College Summer School,
West Raleigh, N. C.

DEAR SIR:—Please reserve for me during the entire session of the Summer School room No. in Dormitory and for who will be my room-mate.

My name is

My home address is.....

My teaching address is.....

I desire to take the subjects named below, but reserve the right to make any change I see fit at the start of the session.

.....

Signed.....

ROOM RESERVATION FOR INSTITUTES

(TEAR OFF AND MAIL)

Date.....

W. A. WITHERS, *Director,*
State College Summer School,
West Raleigh, N. C.

DEAR SIR:—Please reserve for me during the..... Institute to be held from..... to..... at the State College Summer School, room No. in Dormitory and for who will be my room-mate.

My name is

My home address is.....

My teaching address is.....

I desire to take the subjects named below, but reserve the right to make any change I see fit at the start of the session.

Primary work

Intermediate work

High School

Signed.....

High School Institute from June 12 to June 25.

First Primary and Intermediate Institute from June 17 to June 28.

Primary and Intermediate Institute from July 8 to July 19.