

BULLETIN

SOUTH DAKOTA *State* COLLEGE
OF AGRICULTURE AND MECHANIC ARTS ♦ BROOKINGS, SOUTH DAKOTA





1955-1956

College Calendar

The regular college year is divided into the Fall, Winter, and Spring quarters of approximately 12 weeks each. The Summer Session is eight weeks.

1955 SUMMER SESSION

- June 6, Monday—Registration
- June 7, Tuesday—Beginning of classes
- July 4, Monday—a holiday
- July 30, Saturday—Session closes at noon

1955 FALL QUARTER

- September 7, 8, 9, 10, Wednesday, Thursday, Friday, Saturday—Counseling and registration of freshmen and new students who are required to report at the College Auditorium at 1:00 p.m. on Wednesday
- September 12, Monday—Registration of all upper class students
- September 13, Tuesday—Beginning of classes
- October 8, Saturday—Last day for examination for removal of "Inc." marks of preceding quarter
- October 17, Monday—Enrollment in the School of Agriculture
- October 29, Saturday—Hobo Day
- November 11, Friday—Veteran's Day, a holiday
- November 23, 24, 25, 26, 27—Thanksgiving recess, beginning at noon Wednesday, November 23
- December 7, Wednesday—Quarter closes at 5:10 p.m.

1955-56 WINTER QUARTER

- December 13, Tuesday—Registration

- December 14, Wednesday—Beginning of classes
- December 23, Friday—Classes close for holiday vacation at noon
- January 3, Tuesday—Classes start
- January 21, Saturday—Last day for examinations for removal of "Inc." marks of preceding quarter
- March 14, Wednesday—Quarter closes at 5:10 p.m.

1956 SPRING QUARTER

- March 20, Tuesday—Registration
 - March 21, Wednesday—Beginning of classes
 - March 23, Friday—School of Agriculture closing exercises at 10:00 a.m.
 - March 30, 31, April 1, 2, Friday, Saturday, Sunday Monday—Easter vacation
 - April 14, Saturday—Last day for examinations for removal of "Inc." marks of preceding quarter
 - June 2, Saturday—Classes or exams full day
 - June 3, Sunday—Baccalaureate Services
 - June 4, Monday—Seventieth annual commencement
 - June 6, Wednesday—Quarter closes at noon
- ### 1956 SUMMER SESSION
- June 11, Monday—Registration
 - June 12, Tuesday—Beginning of classes
 - July 4, Wednesday—a holiday
 - August 4, Saturday—Session closes at noon

SOUTH DAKOTA STATE COLLEGE OF AGRICULTURE and MECHANIC ARTS BULLETIN

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State College
**An Education
for Everyone**



SOUTH DAKOTA STATE COLLEGE takes pride in its close working relations with the industrial life of this area and its tie with the home life of many people. Progress in industry is linked to the research program of the college. Agricultural development is geared to research and Extension activities, plus the preparation given to farm and home leaders. Education is the key to a better life and improved living and working conditions for the people of the country.

The varied interests of the people are directly represented in the five divisions of the institution. These major divisions are: Agriculture, Engineering, Home Economics, Pharmacy and Science and Applied Arts. The Experiment Station and Extension Service represent the research and off-campus educational activities respectively in Agriculture, Home Economics and Engineering.

South Dakota State College is dedicated to service for all the people of South Dakota.

J.W. Headley
President



Opportunities at State College

The Administration building houses Administration, Home Economics, Science and Applied Arts, Pharmacy, Nursing, Art, Music, and Auditorium

WHAT DOES STATE COLLEGE offer? The fields in which State College places special emphasis are the sciences and the applied sciences, in agriculture, engineering, home economics, pharmacy, and many other applications such as research, teaching, printing and journalism, and physical education. But this emphasis does not and must not exclude the broadening effects of studies in history, government, literature, languages, social institutions and customs, and economic systems.

The College includes over forty departments organized in separate fields and over two hundred teachers trained in these fields. A number of these teachers give part time to research work. Scientific laboratories and a good library provide the working tools for teachers and students.

The four-year courses lead to the degree Bachelor of Science, the advanced work leads to the degree Master of Science, and the terminal

two-year courses lead to the Associate degree. Four-year courses are offered in the five divisions of the College as described in the later sections in this bulletin.

Freshmen who are not certain as to which course they wish to take may enroll in General Registration. This gives them time, during their freshman year, to sample the work of various departments. Also, through an orientation program and vocational counseling, they are given information and help which will enable them to select the courses in which they wish to specialize.

The student at State College can be assured of receiving a well-rounded education, regardless of the field in which he specializes. The College emphasizes the highest type of technical and professional training.

Pre-Professional Courses. Because of the broad offering necessary for the technical and profes-

sional courses available at State College, students wishing to prepare for admission into professional schools, such as colleges of medicine, dentistry, law, veterinary science, forestry, and theology will find the necessary pre - professional courses available at State College. The College is listed among institutions approved for pre-medical education by the Council on Medical Education and Hospitals of the American Medical Association. Because State College is fully accredited by the North Central Association, the credits earned here will be accepted at full value in the various professional schools.

Since the professional schools vary somewhat in their pre-professional admission requirements, no detailed curricula are outlined in the College catalog. However, students wishing to enter any of the professions which require one or more years of college for admission will be assigned faculty advisers who will help them work out programs to meet the admission requirements for the professional school of their choice.

The medical college admissions test and the dental aptitude test required for admission to dental schools are administered periodically on the campus as a convenience to our pre-professional students.

WHAT ARE STATE COLLEGE GRADUATES DOING? State College graduates have gone out into practically every phase of human activity including law, medicine, the ministry, music, and art. But of course the large majority have entered technical and scientific work in agricul-

ture, industry, teaching, or business. Public service including health service has attracted many, including the various fields of pharmacy.

Graduates are found in every state of the union and in many foreign countries.

The sound character of State College training is indicated by the number who are teaching in other educational institutions including many of the largest, oldest, and best known. Some of these graduates have risen to important positions including department heads, deans, and presidents of such institutions. High school teaching attracts others. And of course good home making is one of the most essential occupations.

It is absurd to imply that graduation from any educational institution is a guarantee of later success. But college training does broaden one's opportunities, and State College has broadened the outlook for some six thousand graduates who came to it as young men and women, mainly from modest South Dakota homes.

DEGREES AND HONORS. The bachelor of Science Degree is granted students who finish one of the four year programs as offered in Divisions of Agriculture, Engineering, Home Economics, Pharmacy and Science and Applied Arts.

Students who finish a four year course with high marks may be graduated with Honors.

Two year terminal curricula are offered in Agriculture, Engineering, and Science and Applied Arts. The Associate Degree is granted to those who complete an outlined two-year course.

Admission Procedure

THOSE INTERESTED in entering State College should write to the Director of Admissions and Records for "Application for Admission" and room reservation forms. Have your high school principal send a transcript of your credits to the Director of Admissions and Records when you have finished your high school work.

When your "Application for Admission" is on file and your transcript of credits has been received, you will be notified of your admission status.

ADMISSION REQUIREMENTS. Anyone who is a graduate of a four-year accredited South Dakota high school may enroll at State College. He will be admitted as a freshman upon presenting application for admission, and a transcript from his school officials specifying the subjects, credits, and marks for all subjects. However, if the student does not present credit for all of the subjects prescribed for entrance to the College course of study he wishes to pursue, he must make up the deficiency during his first year in college.

Students who do not present required credits may arrange with college authorities to make up college entrance deficiencies, for which reasonable fees may be necessary. No college credit will be allowed for such work. It is recommended that all students should have at least one unit in natural science and one unit in social science, which should include American History and Government.

The College is accredited by the North Central Association of Colleges and Secondary Schools and other accrediting agencies.

Of the 15 units required for entrance, some are prescribed, the remainder being optional. The required units are as follows:

For Students Majoring in	English	Mathematics	Total Specified
Agriculture	3	1 (Algebra)	4
Engineering	3	2½ (1½ Algebra, 1 Plane Geometry)	5½
Home Economics	3	1 (Algebra)	4
Pharmacy*	3	2 (Algebra and Plane Geometry)	5
Science & App. Arts	3	1 (Algebra)	4
General Registration	3	1	4

*Students majoring in Nursing are required to have only one unit in Mathematics.

Costs are Low at State College

STUDENTS enrolling for the first time at State College are required to pay a matriculation fee of \$5.00 which is paid only once and is not refundable after the students have enrolled.

Expenses for the average student for a college year are about as follows:

	FALL	WINTER	SPRING
Tuition	\$ 28.00 ¹	\$ 28.00 ¹	\$ 28.00 ¹
General College Fee	12.50	12.50	12.50
Board and Room	140.00 ²	140.00 ²	140.00 ²
Books and Supplies	25.00	15.00	15.00
Students' Association Fee	7.65 ³	7.65 ³	7.65 ³
Student Union Fee	3.00 ⁴	3.00 ⁴	3.00 ⁴
Total	\$216.15	\$206.15	\$206.15
Deposit for men taking Military Science	20.00		

¹Students who are not residents of the state must pay 50 per cent additional. Tuition is paid by the quarter; i.e., \$42.00 Fall, \$42.00 Winter, \$42.00 Spring.

²See statement in catalog (listed below) concerning "Room and Board."

³\$7.65, this includes a small amount for class dues, Collegian subscription, Jack Rabbit annual, admission to athletic events, debates, concerts, use of tennis courts and golf ground, and other privileges.

⁴This serves as a membership fee in the Pugsley Union.

The above estimate does not include expenses for traveling, clothing, laundry, entertainment, etc.

By action of the Regents of Education, a late-registration fee of \$2.00 is collected from all students who complete their registration subsequent to the time announced for that purpose.



Students enjoy **College Life**

Pleasant women's dormitories provide comfortable living and social rooms

ROOM AND BOARD. All students must live in rooming places approved by the college authorities.

Cost of rooms in the dormitories ranges from \$66.00 to \$120.00 for the College year for each student, two in a room, depending upon location, size, and condition of the room.

Women students who are not residents of Brookings are required to room in the women's dormitories.

Freshmen men students who are non-residents of Brookings are required to room in the men's dormitory unless formally excused from the requirements by the dormitories committee upon the request of their parents.

The cost of double rooms in private homes is \$3.00 to \$4.00 per week per person. Single rooms cost more.

Wenona Hall, Wecota Hall, and Wecota Annex are modern brick dormitories for women. These halls will accommodate 306 women students. Development Hall, a new dormitory used for upper class

women, will accommodate 96 students.

Scobey Hall and East Men's Hall will accommodate 306 and 204 men, or a total of 510.

Albert S. Harding Hall is a new dormitory for men and accommodates 154 sophomore men students.

Everything possible is done to make a real home for those who live in the dormitories. The students are given a large share in the government of the halls and are thus encouraged to form orderly habits and high ideals of conduct. The purpose of those in charge is to make the dormitories as attractive and homelike as possible, and to create the spirit of cooperation that is found in a real home.

Each room is provided with closets, two single beds, mattresses, two straight chairs, study table, dresser with mirror, linoleum rug, or tile covering, and window shades.

Each student should provide bedding, including a mattress pad, a pillow, two pairs of pillow cases,

four sheets, and two blankets; also six towels and a clothes bag.

To reserve a room each applicant must send \$20.00 to the Director of Admissions and Records of the College with a signed application form. This is held by the Cashier of the College as a deposit subject to the following procedure:

In order that a freshman student be assured of dormitory housing his deposit of \$20 must be in the hands of the Director of Admissions and Records of the College by August 15th. Sophomores will be accommodated as space permits.

If rooms are available, a room will be assigned by the dormitory director and the applicant will be so notified. The \$20.00 becomes the property of the College and \$15.00 will be applied on room rent. The \$5.00 is held as a guarantee against damage to property. The unused part of this will be refunded at the end of the year.

This \$20 deposit is not refundable unless a valid excuse is given and approved by the Director of Student Housing or unless for some reason the student is not admitted to the College.

A cafeteria is operated in the basement of the girls' dormitory, and a cafe and grillroom are operated by the Pugsley Union. Good food may be secured at these places for \$8.00 to \$10.00 a week, and in private homes and cafes at about the same rate.

Resident nurses acting under the direction of the Student Health Service do everything possible to maintain health among the students and to care for them when ill.



The "Gym" is the home of State's high ranking athletic teams and scene of many special extra-curricular and all-state events.

STUDENT EMPLOYMENT. A large number of students each year succeed in obtaining work to help pay a part of their college expenses while attending college, but no student should expect to earn all of his expenses while attending college, unless he plans to take more than the normal four years to complete his course.

Prospective students should not expect to find work immediately unless promised work in advance. The College, through the Student Personnel Office, does what is possible to find work for needy, deserving students.

THE PUGSLEY UNION BUILDING. This is the center of social life and is primarily a student enterprise. It is maintained by and for the students, faculty and alumni as their College club, with facilities for service and pleasure. Every student, by payment of the union fee, is an active member of the union and has a voice in its direction.

MUSIC. Music fills a large place in the regular curricular, as well as the extra-curricular life of many stu-

dents of State College. Every qualified student is eligible to a place in the band, the orchestra, the chorus, and other musical organizations. College credit is given for successful performance in the musical organizations and a major in music towards graduation is offered by the Music Department. Instruction is offered in voice, piano, organ, wind, and string instruments. Of note is the annual performance by the chorus and orchestra of Handel's Messiah and the light operas given during the year. The State College Band is noted as a marching band and furnishes musicians for the annual band clinic which is directed by nationally known band leaders.

STUDENT ACTIVITIES AND ORGANIZATIONS. Of great importance to students is the opportunity which they have at State College to take part in various activities. Among these are oratory and debate; The South Dakota Collegian, a weekly paper edited, published and printed by students; The Jack Rabbit, the College annual; various judging teams; as well as the many technical societies and honorary organizations.

Each of these organizations offer much to the students, not only in furthering their efficiency in their chosen vocations, but also in developing social qualities of leadership which often stand them in good stead after they have been graduated.

Each student is a member of the State College Student Association and, as such, is entitled to vote in student elections and to campaign for office as in political campaigns in actual life. Student Association activities include such things as spon-



Winning her nurse's cap is a big day in the life of a student in Nursing at State College.

soring a campus-wide social program, intramural sports, and any activity which will affect the welfare or comfort of the students as a group.

AUTOMOBILES. The College recommends that students attending State College shall not be furnished automobiles by their parents.

Very few students have need for an automobile, and the operation of one while attending college is not only expensive, but usually interferes with the students' college work.

The privilege of any student to operate an automobile on the campus may be withdrawn by the College either for disciplinary reasons, or for scholastic reasons.

RECORDS AND REPORTS. The office of Admissions and Records keeps the official scholastic records of

each student and furnishes reports to the student and his parents for the work of each quarter. A student or his parents may consult this office at any time to see the record, get information about general requirements and procedures, or any other questions concerning the scholastic record. Grade reports for each quarter are also furnished to the student's dean and his classification officer. He is asked to consult with this officer in case of scholastic difficulty.

STUDENT PERSONNEL SERVICES. An office of Student Personnel Services has been established in the College and under the direction of this office a number of special services are offered to all students of this college.

All new students are asked to be present during a new student registration period at the opening of the fall quarter. The program during this period is designed to help new students get a good start in the College. It includes a series of tests, informational talks by the President, other College officials, and student leaders, social affairs, a campus tour and initiation into the regular registration procedure.

An orientation course is conducted for two quarters to carry on the introduction to college facilities and procedures. Study habits, college regulations, use of the library, the students health service, and similar matters are discussed. During the first quarter each student meets weekly with a section conducted by his classifying officer. This helps him to get acquainted with the officer.

A testing and consulting service is provided, partly through the tests



Students find that the zoology laboratory is a fascinating and interesting place.

offered during the program for new students registration and partly through tests that are organized as need appears. The student is offered help in interpreting such tests as he takes. Students who have doubts concerning their interests or special abilities are urged to make use of this service.

Students who are not yet ready to select a curriculum for a degree in one of the five divisions of the college may register in "General Registration," where the Dean of Student Personnel is his chief classifying officer. This Dean will advise him until he selects a curriculum and transfers to the appropriate division. The testing and counseling service are particularly helpful to such students.

Other special services include assistance to veterans in their contacts with the Veterans Administration, assistance to students in finding part-time employment, on or off campus, giving information on scholarships available, and assistance on other problems of a personal nature.



Ag Engineers demonstrating new farm equipment

Division of **AGRICULTURE**

WHAT CONSTITUTES AN AGRICULTURAL EDUCATION? A Bachelor of Science degree in agriculture includes study in all branches of agriculture and in the basic sciences (such as chemistry, botany, zoology, etc.) that are closely related to agriculture. Your college education will also provide a variety of courses that help to make you "a well educated man." These courses include English, economics, sociology, psychology, public speaking and many others.

You will find that your studies at State College are not confined to classroom and laboratory work, but also include field trips, both on and away from the campus.

An important part of your college life at State College will consist of the many activities that develop "polish" and leadership, which are valuable in all walks of life. You will want a well-balanced program of these activities which include athletics, music, social affairs (held mainly on week ends), religious training in student religious clubs and in Brookings churches, and

leadership training in Ag Club, the Little International, and many departmental clubs.

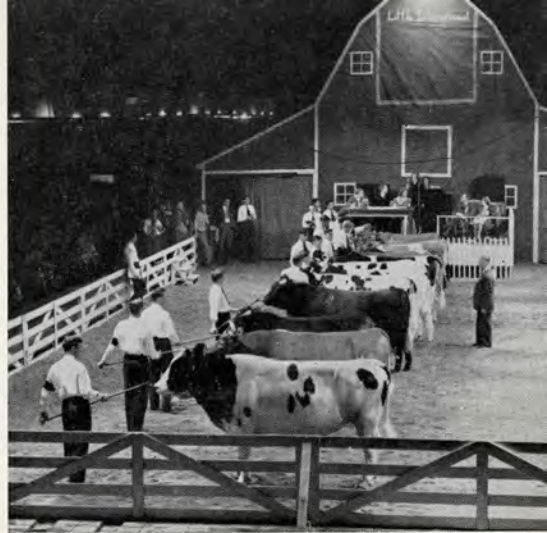
You will value forever the friendships you make with students and faculty from all parts of the country.

From this discussion of an agricultural college education, you can readily see that your four years at South Dakota State College will be interesting and profitable. They are not merely four years in preparing for life, but four full years of life itself.

IN WHAT BRANCH OF AGRICULTURE SHALL I MAJOR? This is a question that faces all agricultural college

students, because agriculture is such a large field. The trend is toward specialization in one branch of agriculture, with a general knowledge of all branches. Most students begin to specialize in their sophomore year. Students may then select one of the following majors:

1. Agricultural Biochemistry
2. Agricultural Economics
3. Agricultural Education
4. Agricultural Journalism
5. Agronomy (Crops and Soils)
6. Animal Husbandry
7. Bacteriology
8. Botany
9. Dairy (Production or Manufacturing)
10. Entomology
11. Farm Mechanics
12. Horticulture
13. Poultry
14. Plant Pathology
15. Rural Sociology

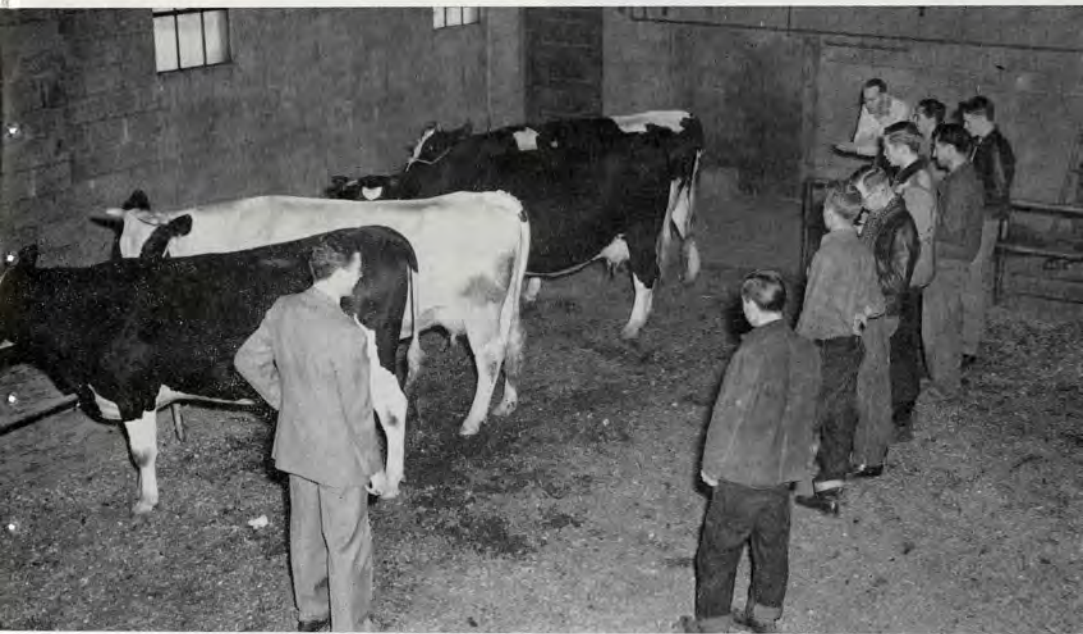


Little International gives Ags experience in fitting and showing all classes of livestock.

16. Wildlife Conservation
17. Zoology

Students who are interested in veterinary science or forestry, may take two years of pre-professional training at South Dakota State College. Curricula are arranged to meet the early requirements of such specialized schools.

Class in dairy husbandry judging cattle.



Occupations

The following list includes only a few of the occupations available to agricultural graduates.

Farming and Ranching

1. General farming and ranching
2. Specialized farming, such as raising purebred livestock or certified seed. Also poultry and dairy farming.
3. Farm Management work.

Teaching

1. In college
2. High school vocational
agriculture
3. County Extension agent
4. Agricultural missionary
5. Preliminary for the ministry in rural communities

Research

1. In State Experiment Stations
2. In Federal Bureaus
3. In Industrial laboratories



(Top) Crops class on a field trip.

(Second) Farm and Ranch Management class field trips to demonstrate practical application.

(Third) Miniature project in horticultural landscaping.

(Bottom) Rural Sociology class studying Criminology.

for Agricultural Graduates

Government

1. Soil Conservation Service
2. Bureau of Reclamation
3. Farmers Home Administration
4. Extension Service
5. Bureau of Agricultural Economics
6. Federal and State Fish and Game Departments
7. Social Work
8. Bureau of Census

Commercial Field

1. Agricultural advisers for banks
2. Agricultural agents for railroads
3. Salesmen in many industries
4. Hatchery men
5. Elevator managers
6. Seed and nursery workers
7. Creamery managers
8. Florists
9. Livestock buyers
10. Implement company employees
11. Agricultural bacteriologists
12. Agricultural chemists
13. Agricultural engineers
14. Market analysts for companies serving agriculture
15. Agricultural statisticians for industries

Journalism

1. Farm editors of newspapers and radio stations
2. Farm magazines
3. Editors of rural newspapers
4. Advertising and publicity for industries related to agriculture



Beef cattle showmanship.

School of **AGRICULTURE**

SCHOOL OF AGRICULTURE. Short course training is offered to non-high school graduates and high school graduates who desire training in agriculture, but are not interested in working toward a Bachelor of Science degree. The school will operate from October 17 to March 24.

Those interested may write for a special bulletin on the short courses in the School of Agriculture.



"Bringing Home the Bride"—one of over 40 South Dakota historical paintings by Harvey Dunn which are permanently displayed on the campus.



State's band has long held the admiration of Midwesterners.

Student Activities

It looks like fun, and it is a lot of fun to be one of the State College crowd, making music, building floats for parades, or being on a judging team. In this way, opportunity for social contact is given to all students, to the exclusion of none.

Many of the activities include training which will be valuable in later life in the students career. Community participation is learned early and creative ability given an outlet in the beautiful floats which the students design and build for the Hobo Day parade.

Dramatics, debate, and forensics are available to sharpen the mind and develop a well-balanced personality.

These on- and off-campus student activities make a better balanced individual, rounding out his classroom education.



Paul Nordquist (third from left) scored 598 out of a possible 600 points in seed judging at the International Livestock and Crop Exposition at Chicago. This is an all-time record. Many individual and team honors are won by State students in national competition.



State students' Hobo Day is the big South Dakota college day.

The Pasquettes, State's newest all-girl musical organization, is rapidly making a name for itself.





Equipment for measuring hyperfine structure in atomic spectra.

Division of **ENGINEERING**

THE DIVISION OF ENGINEERING offers four-year courses in agricultural engineering, civil engineering, electrical engineering, mechanical engineering, and engineering physics. All courses emphasize the basic sciences and established engineering methods with their applications. The differences come principally in the applications that are studied and the methods that are emphasized. The freshman year is the same for all courses except for some work in agriculture, placed in the course for agricultural engineering.

AGRICULTURAL ENGINEERING is the science of engineering applied to the agricultural industry. The four year course in agricultural engineering trains students in mathematics and the fundamental principles of engineering. Basic agricultural courses of crops, soils, and economics are also given. The basic sciences of both fields are then applied through the agricultural engineering course work.

Such courses include those of

farm land engineering, dealing with drainage, irrigation, water erosion control of soil, and land clearing. Courses in farm power and machinery will aid the student in preparing for merchandising of farm equipment, or as research and de-

Testing structural materials.





Refrigeration efficiency tests.

velopment work with machinery manufacturers. Courses are given in farm structures and farm home design together with the accompanying problems of rural electrification, water supply, sanitation, maintenance and repair. The processing of farm seeds and feeds are treated.

The senior agricultural engineer does an individual research problem for credit and takes part in an inspection trip in the soil conservation field or to farm machinery factories.

CIVIL ENGINEERING places special emphasis on structures, highways, sanitation, irrigation and drainage,

Electronics laboratory.



and surveying. Instruction relates especially to design, construction and operation in these fields. The work of civil engineers is varied and interesting. It ranges from making simple surveys to the design of the most intricate projects.

The civil engineering curriculum is accredited by the Engineers Council for Professional Development.

MECHANICAL ENGINEERING in our industrial economy offers wide opportunity for interesting, exciting careers. Graduates may design and operate power equipment such as diesel engines, steam and gas turbines, refrigeration, or air conditioning systems for buildings and factories. Others prefer the design of farm machinery, industrial processing equipment, machine tools, or the construction and erection of mechanical equipment of all types. Training is also provided in factory organization and management which includes factory layout, production planning, quality control, material purchasing and specifica-

tion, labor relations, executive control, and mass production techniques. Mechanical Engineering is accredited by the Engineers Council for Professional Development.

ELECTRICAL ENGINEERING deals with the applications of electrical equipment, ranging from large power stations and transmission systems to electronic devices the size of a pea, or less. The same principles apply throughout. The fact that electricity is invisible and must be traced through its various effects makes this field more difficult for some, more interesting for others. Electrical Engineering is accredited by the Engineering Council for Professional Development.

ENGINEERING PHYSICS. The term engineering in the title indicates that the students take up some of the engineering applications of physics along with their study of physics. Graduates from this course generally continue graduate work in physics for advanced degrees, and then become active in some field of applied physics such as atomic energy, electronic computers, or the like.

BREADTH OF INTERESTS. Technical training does not remove the obliga-

tion for intelligent and constructive citizenship, or the necessity for dealing with men as well as materials. A student's interests should broaden, not concentrate, during his college course. For this purpose courses in English, public speaking and economics are required in the curriculum, and electives should be used to continue the expansion of interests. Daily contact with students and faculty interested in other fields is one very helpful influence. Many student activities are organized on a college-wide basis.

PLACEMENT OF GRADUATES. Representatives of many industrial concerns visit the campus each year to interview senior engineering students and offer employment. Starting salaries in 1953 ranged from about \$325 to \$375 per month, or more for men with some experience. A shortage of engineering graduates exists and is forecast to continue for several years; the number needed in modern industry is steadily increasing.

SPECIAL PAMPHLETS on engineering may be secured by writing to the Office of Admissions and Records.

Mapping from aerial photographs.





Phi Upsilon Omicron, honorary home economics organization

Division of **HOME ECONOMICS**

HOME ECONOMICS is a challenging field open to any person who may wish to secure a liberal education while preparing for interesting and varied careers. For most young people the desire for marriage and a successful home ranks high. It is to help young men and women achieve the goal of a happy and successful home life that such courses as home management, child development, home furnishing, nutrition, food, and clothing selection are offered.

CHILD DEVELOPMENT. Training for home and professional work with children involves practical experience along with class work. This is made possible on our campus through a living laboratory, the Nursery School, where many questions of human behavior can be answered through the observation and guidance of young children. Graduates in child development become better members of a family group and better homemakers. Vocational opportunities are becoming available in department stores, toy and children's ready-to-wear de-

partments, and child welfare work.

Positions with airlines, magazines and radio stations, and as directors of nursery schools, day care centers, and recreation in crippled childrens hospitals are other professional home economics jobs.

CLOTHING AND TEXTILES. A major in clothing and textiles involves a study of dress selection and design, fibers and fabrics, construction methods, economics of clothing and textiles, and history of costume. With this background a person is able to contribute more to good family living by being better prepared to solve problems relating to clothing for the family and textiles

... These are the

for the home. This training also prepares for teaching and for the merchandising world. Industry offers the home economist jobs in many departments such as textile testing, fabric development, care of fabrics, and public relations.

FOOD AND NUTRITION. All students in home economics, through courses in food and nutrition learn the principles involved in feeding a family so that all family members may attain maximum well-being. Majors in

(Top) Work, play, worship together—these are the elements which are the essence of good family living.

(Second) Working with children in nursery school helps to develop ability in child guidance and understanding.

(Third) Dressmaking skills contribute to better living.

(Bottom left) Learning to use food as a tool in sharing hospitality.

(Below) Prospective teachers study aids for family centered programs.



lements of Good Family Living

food and nutrition may plan programs leading to dietetics, work with business organizations, test kitchens for magazines and nutrition work with welfare organizations.

HOME ECONOMICS EDUCATION. Home Economics Education provides preparation for: teaching homemaking in high schools offering vocational homemaking; being a home demonstration agent; being a homemaker and for continuing training to enter other home economics fields. South Dakota State College is the institution in the state approved for training vocational homemaking teachers. There is an increasing demand for both teachers and home demonstration agents. The work permits initiative and advancement with attractive salaries.

HOME ECONOMICS JOURNALISM. Enables students to qualify for journalism positions such as homemaking editors, freelance writers for women's magazines, farm journals or daily papers. Other opportunities are in advertising and publicity for

magazines and industries associated with the home.

HOME ECONOMICS RESEARCH. Home Economics Research is a part of the division of Home Economics. Work is carried on in the fields of foods and nutrition, and in textiles and clothing. Some student help is utilized in these laboratories, and provision is made for advanced study and special problems.

HOME MANAGEMENT. Home Management courses lead to good family living, and the satisfaction of living in a good home is the major goal of these studies. As means of reaching the goal, study and actual experience in buying practices, money management and general homemaking methods are carried out in the classroom and the Home Management House. Every senior home economics girl lives in the House for five weeks and carries on all phases of managing a home. This includes study of time, money, food and equipment management toward the accomplishment of best possible family living.

Research contributes to better family living standards.

Well-planned marketing ensures well-balanced meals at reasonable cost.





Pharmacy students working in modern dispensing laboratory

Division of **PHARMACY**

THIS DIVISION offers four-year courses in Pharmacy and Nursing Education.

The four-year course in Pharmacy affords an opportunity for students to specialize in retail pharmacy, or pharmaceutical research.

Approximately eighty per cent of the graduates in pharmacy are engaged in retail pharmacy. This branch of pharmacy offers excellent opportunities to both young men and women. Many highly successful drug stores in South Dakota and in our neighboring states are owned and operated by graduates of the Division of Pharmacy.

At the present time there are about 55,000 pharmacies or drug stores in the United States and there are about 100,000 registered pharmacists. Four thousand of these are women.

Pharmacology laboratory is well equipped.





Accurately weighing ingredients for a prescription.

is very important. It gives him an opportunity to be of service to the people of his community in numerous ways.

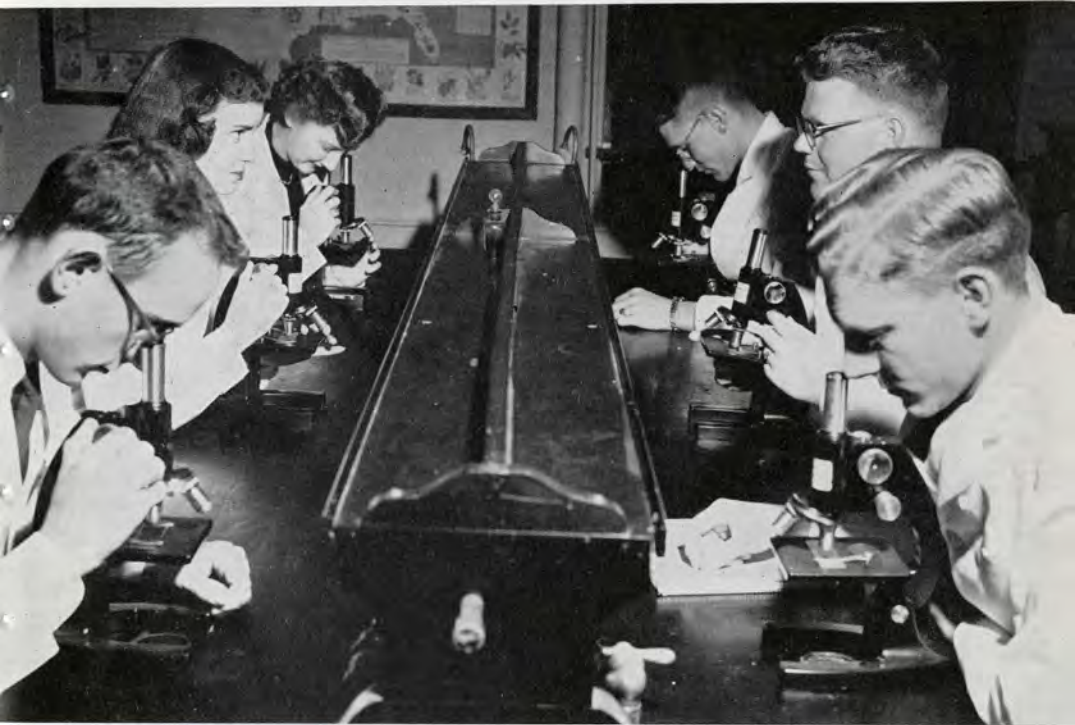
Graduate scholarships in some of the larger Colleges of Pharmacy are open to those who are trained in pharmaceutical research. A number of our graduates are to be found in this field working for either their M.S. or Ph.D. degrees. Many responsible, well-paying positions are open to those people who have obtained an advanced degree.

An increasing number of pharmacists are now employed in hospital pharmacies. The work that they do in hospitals is almost entirely professional. The surroundings are pleasant and the hours are short. It is a very attractive field for young women.

Six large modern laboratories with the latest in pharmaceutical equipment are available for our students. The faculty is well trained and have advanced degrees in their particular field. They are all fully registered pharmacists.

The work of the retail pharmacist

Microscopic work in pharmacognosy laboratory.





Quantitative pharmaceutical analysis laboratory.

Tau Chapter of Rho Chi, an honorary pharmaceutical society, and a student branch of the American Pharmaceutical Association are important factors in student life.

The Division of Pharmacy is accredited by the American Council on Pharmaceutical Education as a class "A" College and it is also a member of the American Association of Colleges of Pharmacy.

Our graduates are found in many fields, such as medicine, dentistry, chemistry, food and drug laboratories, retail drug stores, hospital pharmacies, wholesale manufacturing laboratories, and as medical representatives for large companies engaged in the manufacture of drugs. The demand for our graduates has always exceeded the supply.

Pharmacy library is a popular study hall.





Senior education students get supervised student teaching experience.

Division of **SCIENCE and APPLIED ARTS**

THIS DIVISION offers four-year degree courses in the biological sciences, the physical sciences, the social sciences, journalism, industrial arts, physical education for both men and women, and in the fields of art, English, music, and speech. Students wishing to enter the teaching profession may qualify for the various teaching certificates by taking the appropriate courses offered by the Education department. Courses needed for admission to the professional schools, such as law, medicine, and dentistry, are also offered in the Division of Science and Applied Arts. Science and Applied Arts courses are also intended to provide the general education background for students majoring in Agriculture, Engineering, Home Economics and Pharmacy.

BIOLOGICAL SCIENCE PROGRAM. Students may earn the Bachelor of Science degree in the following branches: bacteriology, botany, entomology, and zoology. Graduates in these fields can qualify for teach-

ing high school science by taking their elective courses in professional education. They may also qualify for admission to schools of medicine and dentistry or for post-graduate work in their special field.

PHYSICAL SCIENCE PROGRAM. Under this program degrees are offered in chemistry, mathematics and physics. A program leading to the degree in Clinical Laboratory Technology is also offered. In the latter program the students spend three years on the campus and a calendar year in an accredited school of medical technology. Upon graduation these



Physical Education teaches health, competition, playground supervision, and athletics.



The teacher-education seminar room provides facilities for preparing lesson plans and demonstrations.

The Botany lab opens new worlds to the amateur and professional student.



students qualify as registered medical technologists and can secure positions as medical technologists in hospitals, clinics, and in health laboratories.

Graduates in chemistry, mathematics, and physics are much in demand by industry, government service, and by educational institutions employing graduate assistants.

SOCIAL SCIENCE MAJORS. Students interested in the social sciences may specialize in economics, history, political science and government, and in sociology. Opportunities for employment include banking, general business, government service, and non-professional social work. Graduates are well prepared to work for advanced degrees in these fields.

MAJORS IN ENGLISH, MUSIC, AND SPEECH. In view of the great demand for high school teachers of English, music and speech, the College offers majors in these fields. The basic course requirements for these majors are sufficiently broad to provide a sound general education as well as sufficient specializa-

Teaching girls' physical education in high schools is a popular occupation for women's physical education majors.



tion to qualify the graduate for high school teaching or for post-graduate work.

JOURNALISM DEGREES. State College is one of the few institutions in the United States which offers a full-fledged program of study and training in rural journalism.

Students electing this program are given a well-rounded background in rural sociology, agricultural economics, and in the technical phases of editing, printing and in print shop management. As a result they are prepared to assume any or all of the responsibilities of the newspaper publisher. Students interested in the non-technical phases of journalism can meet the requirements for the Bachelor of Science degree in four years, while those who also wish to take training in printing and shop management must put in an additional year.

PHYSICAL EDUCATION MAJOR. Because of the increased emphasis on physical fitness and health education as the result of our experience in World War II, State College recently was authorized to offer a physical education major for men and women students. A well-rounded program, combining all phases of physical education as well as coaching, is provided. State College has a well-trained staff and excellent equipment to carry on this work.

Individual and intramural sports competition are promoted for all students. Equipment and facilities for handball, softball, football, basketball, tennis, golf, baseball, volleyball, table tennis, trampoline tumbling, wrestling, boxing, badminton, horseshoe, and archery are available.



Secretarial science students learn to operate a variety of office machines.

Intramural leagues offer physical activity to all students regardless of physical ability; while a highly organized inter-collegiate sports program offers varsity competition with other outstanding colleges.

MAJOR IN APPLIED ARTS. Another program of instruction that has recently been developed is that of applied art. By completing the art courses required of home economics majors and additional elective courses in applied arts students may specialize in costume design, interior decorating, and applied design.

INDUSTRIAL ARTS. A four-year program leading to the degree of Bachelor of Science in Industrial Arts is offered. Major emphasis is placed on the training of industrial arts teachers for high schools but graduates also find employment in industry and construction trades.

MINOR FIELDS. Sufficient work is available to qualify the student for a college minor in foreign language,



Advanced Military students get illustration in geopolitics and current events as well as excellent training in leadership.

psychology, and in secretarial science.

PREPARATION FOR TEACHING. Students wishing to prepare themselves for teaching in any one of the above mentioned fields may meet the certification requirements of South Dakota and other states by completing prescribed courses in professional education. A complete program for training teachers in Smith-Hughes home economics, industrial arts, and agriculture, are of course, available to students registering in other divisions of the college.

JOB OPPORTUNITIES FOR SCIENCE AND APPLIED ARTS GRADUATES

Some indications of the variety of job opportunities that are open to Science and Applied Arts graduates are shown in listing the types of jobs of our recent graduates.

The largest number entering any profession has been those going into teaching. The subject matter fields taught by these graduates are: phys-

ical education, social studies, science and mathematics, English, speech, industrial arts, music, secretarial science, library, and driver education and training.

The second largest group entering a certain profession are the journalism graduates. These men and women have taken positions as journalists or printers and journalists on daily and weekly newspapers, as

Alan Nord, Madison (left) Rhodes Scholarship winner from State. Many national awards come to State College students each year.





Entrance to Lincoln Memorial Library.

assistant editors and editors of magazines, editors of business magazines, in radio work and in other types of public relations activities. In a few instances they received jobs as press association representatives, and a few have started their own publishing houses.

Other jobs which Science and Applied Arts students have taken include: Medical technology, library work, statisticians in state or national civil service, bacteriologists or

chemists in state health laboratories, business jobs with oil companies, banks, insurance companies, secretarial positions, and jobs in industry as salesmen, technicians and research workers. A few have gone into social service work, interior decorating, and religious service. A fairly large number entered the military service, for the most part as officers in the infantry and air corps.

A considerable number of students have gone on for additional graduate or professional training. Some were admitted to medical and dental schools, law schools, and theological seminaries while others are taking work toward the masters and doctors degrees in such fields as: economics, business administration, chemistry, physics, journalism, bacteriology, sociology, and public administration.

From this summary it is evident that South Dakota State College graduates find job opportunities in a wide range of fields. There is virtually no field of economic or professional endeavor in which State College graduates are not engaged at the present time.

French, German, and Spanish are taught by way of short-wave radio, tape recordings, records.





FOR FURTHER INFORMATION REGARDING STATE COLLEGE
Address the Office of Admissions and Records, College Station, South Dakota