

BULLETIN  
OF THE  
AGRICULTURAL AND MECHANICAL  
COLLEGE OF TEXAS

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Third Series. Vol. 14

March 1, 1928

No. 3

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# THE SUMMER SESSION

June 11---September 1, 1928

*FIRST TERM--June 11--July 21*

*SECOND TERM--July 23--September 1*

Open to Men and Women



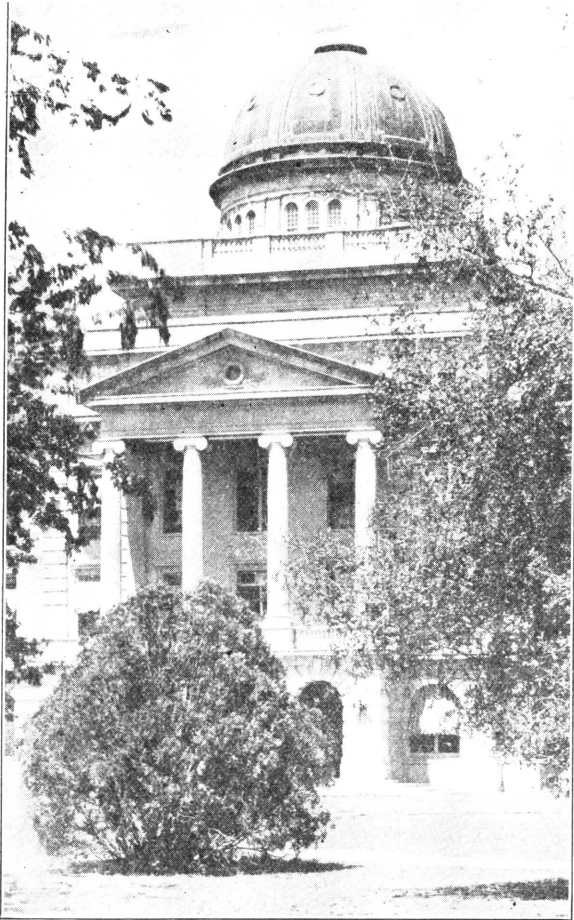
COLLEGE STATION, TEXAS

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College Station, Texas, under the Act of August 24, 1912



ACADEMIC BUILDING

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**CALENDAR—1928**

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**First Term**

- June 11 —Monday, Registration in the following divisions:  
The College  
Summer School of Cotton  
Course for Public Utility Men  
Course for Cotton Oil Mill Operators
- June 12 —Tuesday, 7:30 a. m., Class work begins.
- June 15 —Friday, 8:00 p. m., Student and Faculty Reception.
- June 18–22—Short Course for Graduate Veterinarians.
- July 2–21—Three-weeks' Course for Vocational Agriculture Teachers.
- July 4 —Wednesday, Independence Day—Holiday.
- July 21 —Term Examinations; Registration for Second Term.
- July 21 —Saturday, Close of First Term.

**Second Term**

- July 23 —Monday, Registration of new students.
- July 24 —Tuesday, 7:30 a. m., Class work begins.
- July 23–27—The Short Course in Cotton Breeding.
- July 30–August 4—Farmers' Short Course.  
Fifth Annual Conference of County Superintendents.
- August 31—Term Examinations; Close of Summer Session.

### GENERAL STATEMENT

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The summer session of the Agricultural and Mechanical College of Texas has been established for the following well defined purposes:

1. To provide teachers and others who cannot attend college during the regular session an opportunity to obtain a college education.
2. To give students of the College an opportunity to shorten their college course by doing summer work.
3. To offer those qualified to pursue graduate work an opportunity for study in courses leading to the Master of Science degree.
4. To provide opportunity for professional improvement through short courses of a highly specialized character in the various trades and professions.

The summer session will begin June 11, 1928.



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**AGRICULTURAL and MECHANICAL COLLEGE OF TEXAS**

T. O. WALTON, LL.D., *President*

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**SUMMER SESSION, 1928**

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Nelson, T. R., M.A., *Assistant Professor of Mathematics*  
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Potts, W. M., M.S., *Instructor in Chemistry*  
Powers, J. G., *Assistant Professor of Textile Engineering*  
Reid, D. H., M.S., *Professor of Poultry Husbandry*  
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Taylor, J. R., *Instructor, Summer School of Cotton*  
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Tomlinson, G. E., B.E., M.A., *Instructor in Drawing*  
Welch, C. H., *Instructor, Summer School of Cotton*  
Wilcox, G. B., M.A., *Professor of Rural Education*  
Williams, D. W., M.S., *Professor of Animal Husbandry*  
Williams, E. L., B.S., *Professor of Industrial Education*  
Williams, R. H., Ph.D., *Professor of Animal Husbandry*  
Winkler, C. H., Ph.D., *Professor of Agricultural Education, and Dean of the  
School of Vocational Teaching*

## GENERAL INFORMATION

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### ORGANIZATION

The work of the 1928 summer session will be given in the following six divisions:

1. The College, including the Graduate School and the three-weeks' Course for Vocational Teachers.
2. The Summer School of Cotton.
3. The Short Course for Graduate Veterinarians.
4. The Short Course for Public Utility Men.
5. The Short Course for Cotton Breeders.
6. The Short Course for Cotton Oil Mill Operators.

### ADMISSION

In the College Division courses will be offered subject to the same general admission requirements as in the regular session.

There are no specific academic requirements for admission to the various Short Courses and the Summer School of Cotton.

**All Summer School Courses are open to Men and Women.**

### Board and Room at College

Room accommodations will be provided for summer session students in the College dormitories. These buildings are modern fire proof structures provided with electric lights and water in all rooms. All students, except graduates, living in the dormitories take their meals in Sbisa Hall, the large College Mess Hall. Students living in private boarding houses may obtain meals at Sbisa Hall by securing a regular meal coupon book.

The cost of room and board per term of six weeks is \$48.00. This does not include laundry. Students should bring bed linen, (for single beds), pillows, and towels.

### Board and Lodging in Bryan

The city of Bryan, in close proximity to the College Campus, affords splendid facilities for students desiring room and board. Teachers, graduate students, and others who desire to bring their families, can secure a furnished house or rooms for light housekeeping, at reasonable rates during the summer months.

### Location

The Agricultural and Mechanical College of Texas is located at College Station on the Southern Pacific Railroad and on the Ft. Worth Division of the Missouri Pacific Railroad, ninety-four miles north of Houston. Both railroads run through the College grounds. The stations are only a short distance from the Academic building. At College Station there are express, telegraph and money order offices.

### College Facilities

All the educational facilities of the College will be placed at the disposal of the students of the summer session. The College plant consists of thirty-seven brick buildings. Ten of these are used for dormitories and twenty-seven for purposes of instruction. All buildings used for instruction are well equipped with laboratories. The Horticultural gardens, Agronomy plots, and greenhouses, are conveniently located, and form a part of the outside facilities for instruction.

The library of the College consists of a general library and several departmental libraries. The general library is housed in the Academic building and consists of about 20,000 carefully selected volumes devoted to general literature and reference work. All the leading magazines and a number of daily papers are received at the library. All College departments have well selected technical libraries for the use of students interested in special subjects. The general library will be open during the summer session on week days from 9 a. m. until 5 p. m.

The College Exchange Store, located on the Campus, carries a complete line of text-books, reference books, stationery and general supplies needed by summer session students.

### Demonstration School

A Summer High School is maintained on the Campus and is available for observation and practice teaching to all teachers taking work in High School Methods. The High School courses are open to any one desiring to obtain college entrance requirements. A fee of ten dollars (\$10.00) will be charged for each unit or subject.

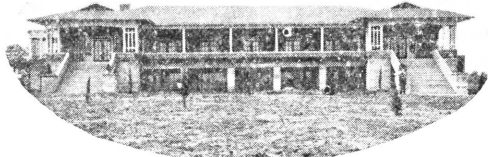
### Public Lectures

Lectures on educational, sociological, and agricultural subjects will be given by the members of the teaching staff and by other educators of state and national reputation.

On each Sunday morning a regular Bible school will be conducted at the College and religious services will be held in the College Chapel by visiting ministers.

### Entertainment

Two motion picture shows will be given each week. An open air theatre has been provided for all picture shows and other evening entertainments. The Y. M. C. A. will be open all summer and a number of social gatherings will be held in the lobby of this building. The large swimming pool in the basement of the "Y" building will be available for the use of the summer session students during the entire session. The instructor in athletics will give lessons in swimming to those who desire them. Outdoor sports will be encouraged. The summer session is a member of a small baseball league and games are played with local teams.



THE BRYAN COUNTRY CLUB

### The Bryan Country Club

The Bryan Country Club has one of the finest, fully equipped playgrounds in Central Texas. Located midway between College and Bryan, it affords opportunity for all outdoor sports, including golf, boating and swimming. A special rate of \$11.00 is granted to summer students of the College. Cards are issued on request by Travis B. Bryan, Treasurer of the First National Bank, Bryan, Texas.

### Expenses

For students in the College and in the Summer School of Cotton:

Matriculation fee, per term .....	\$ 5.00
Medical Service (optional), payable once only.....	2.50
Room and Board per term of six weeks.....	48.00

In addition to these general expenses certain courses require a laboratory fee. Such fees are indicated in the list of courses.

A key deposit of \$1.00 will be required of all students who room in the dormitories. This will be refunded to the student on leaving College, provided he returns his key to the Commandant's office. Students who do not room in the dormitories will not be required to pay the medical fee, nor will they be required to make a key deposit.

Refund of maintenance will be made only in case the student is required to withdraw by Faculty action or in case of sickness disqualifying him for the discharge of his duties for the rest of the term. When such sickness takes place at the College, it must be attested by the College Physician before the student can receive the refund of the unused portion of his maintenance fee.

### How to Register

1. Report to Registration Desks in Lobby of the Academic Building, and fill out Registration card.

2. Report to the Cashier, Room 114, first floor Academic Building, and pay your fees. The Cashier will give you a receipt, and a meal ticket.

3. Report to the Commandant, Room 101, first floor, Academic building, for assignment to room.

4. Report to the Registrar, Room 212, second floor Academic Building.

5. Report to the Director of the Summer Session, Room 210, second floor, for the approval of your program.

6. Report promptly to all classes, as per the official schedules.

7. If further information is needed consult the Registrar, or the Director of the Summer Session.

All official notices concerning the Summer Session will be posted on bulletin boards Nos. 5 and 6, first floor Academic Building.

All inquiries relative to the Summer Session should be addressed to the Director of the Summer Session, or the Registrar, College Station, Texas.

### Graduate Students

Graduate students will report to the Dean of the Graduate School, Room 202, to obtain Registration Cards.

## THE COLLEGE

(June 11 to September 1)

All courses in this division carry college credit and are open only to those who have had the prerequisite training. The work will be given in two terms of six weeks' each. The first term will begin June 11 and will end July 21. The second term will begin July 23 and will end August 31.

The maximum amount of work a student may carry in a six weeks' term is the equivalent of eight term hours, except in the case of men who have had approved teaching experience; with the consent of the Director of the Summer Session such men may carry the equivalent of nine term hours. All rules of the regular session apply to the Summer Session in the matters of prerequisites, grades, examinations and class absences. Three cases of tardiness to class will be counted as one absence.

All work in the Summer Session must be taken in accordance with the published schedule.

The last day on which a student may complete his registration for work in the College Division is Wednesday of the first week of each term. All students who do not complete their registration on the first day of each term will be charged a fee of two dollars for late registration. For sufficient reason, students entering on the second day of each term may be excused from paying the late registration fee.

The right is reserved to withdraw any course for which less than five students register.

### COURSES OF INSTRUCTION BY DEPARTMENTS

For a description of the courses listed below, see the College catalogue for the regular session. This catalogue may be obtained from the Registrar. Figures in parentheses indicate recitation hours per week. Figures in brackets indicate value of course in term hours.

#### FIRST TERM

(June 11 to July 21)

#### Accounting and Statistics

201S. Principles of Accounting. (4-8) [4]  
 M., T., Th., F., 8:30 and 2:30-4:25.  
 Laboratory fee, 50 cents.



- 202S. Principles of Accounting. (4-8) [4]  
 M., T., Th., F., 9:30 and 3:30-5:25.  
 Laboratory fee, 50 cents.

#### Agricultural Education

- 308S. Educational Psychology. (6-0) [3]  
 Daily 10:30.
- 401S. Teaching Vocational Agriculture. (6-0) [3]  
 Daily 8:30.

#### Agricultural Engineering

- 321S. Farm Shop. (2-8) [3]  
 M., W., 9:30; M., T., Th., F., 2:30-4:25.  
 Laboratory fee, \$1.50.
- 421S. Advanced Farm Shop. (4-8) [4]  
 Prerequisite: Agricultural Engineering 321, 322.  
 M., T., Th., F., 10:30 and 2:30-4:25.  
 Laboratory fee, \$1.50.

#### Agronomy

- 105S. Fundamentals of Crop Production. (6-4) [4]  
 Daily 9:30; W., 2:30-4:25; S., 7:30-9:25.
- 301S. Soils. (6-4) [4]  
 Prerequisite: Chemistry 101, 102.  
 Daily 7:30; T., Th., 2:30-4:25.  
 Laboratory fee, 50 cents.

#### Biology

- 101S. General Botany. (4-8) [4]  
 M., T., Th., F., 8:30 and 2:30-4:25.  
 Laboratory fee, 50 cents.  
 (Botany and Zoology are offered in alternate summers)
- 207S. General Zoology. (4-8) [4]  
 M., T., Th., F., 9:30 and 3:30-5:25.  
 Laboratory fee, \$1.00.

#### Chemistry and Chemical Engineering

- 101S. General Inorganic Chemistry. (6-6) [4½]  
 Sec. 1. Daily 9:30; M., W., 1:30-4:25.  
 Sec. 2. Daily 11:30; T., Th., 1:30-4:25.  
 Laboratory fee, \$3.50.
- 206S. Organic Chemistry. (6-4) [4]  
 Prerequisite: Chemistry 101, 102.  
 Daily 11:30; W., F., 2:30-4:25:  
 Laboratory fee, \$2.50.

### Drawing

101S. Mechanical Drawing. M., W., 1:30-4:25.	(0-4)	[1]
103S. Descriptive Geometry. Daily 9:30.	(6-0)	[3]
104S. Descriptive Geometry. Prerequisite: Drawing 103. M., T., Th., F., 11:30; W., F., 2:30-4:25.	(4-4)	[3]
108S. Mechanical Drawing. Prerequisite: Drawing 101. W., F., 2:30-4:25.	(0-4)	[1]
201S. Mechanical Drawing. Prerequisite: Drawing 108. T., Th., 2:30-4:25.	(0-4)	[1]
202S. Mechanical Drawing. Prerequisite: Drawing 201. W., F., 2:30-4:25.	(0-4)	[1]

### Economics

203S. Principles of Economics. Daily 8:30.	(6-0)	[3]
403S. Principles of Economics. Daily 9:30; F., S., 11:30.	(8-0)	[3]
309S. Labor Problems. Prerequisite: Economics 203, 204, or its equivalent. Daily 10:30.	(6-0)	[3]
316S. Business Law. Daily 10:30.	(6-0)	[3]

### Electrical Engineering

202S. Elementary Electrical Engineering. Prerequisite: Electrical Engineering 201, Mathematics 104. M., T., Th., F., 8:30 and 2:30-4:25.	(4-8)	[4]
204S. Electric Wiring and Repair. Prerequisite: Electrical Engineering 201 or Physics. M., T., Th., F., 1:30-4:25.	(0-12)	[3]

### English

103S. Rhetoric and Composition. Daily 9:30.	(6-0)	[3]
203S. Composition and Literature. Prerequisite: English 103, 104 or 105, 106. M., T., Th., F., 9:30.	(4-0)	[2]

- 231S. English Literature. (6-0) [3]  
Prerequisite: English 103, 104 or 105, 106.  
Daily 11:30.
- 303S. Argumentation. (4-0) [2]  
Prerequisite: English 203, 204.  
Sec...1. M., T., Th., F., 10:30.  
Sec...2. M., T., Th., F., 8:30.

### Entomology

- 201S. General Entomology. (4-4) [3]  
M., T., Th., F., 10:30; W., F., 2:30-4:25.  
Laboratory fee, 75 cents.

### Genetics

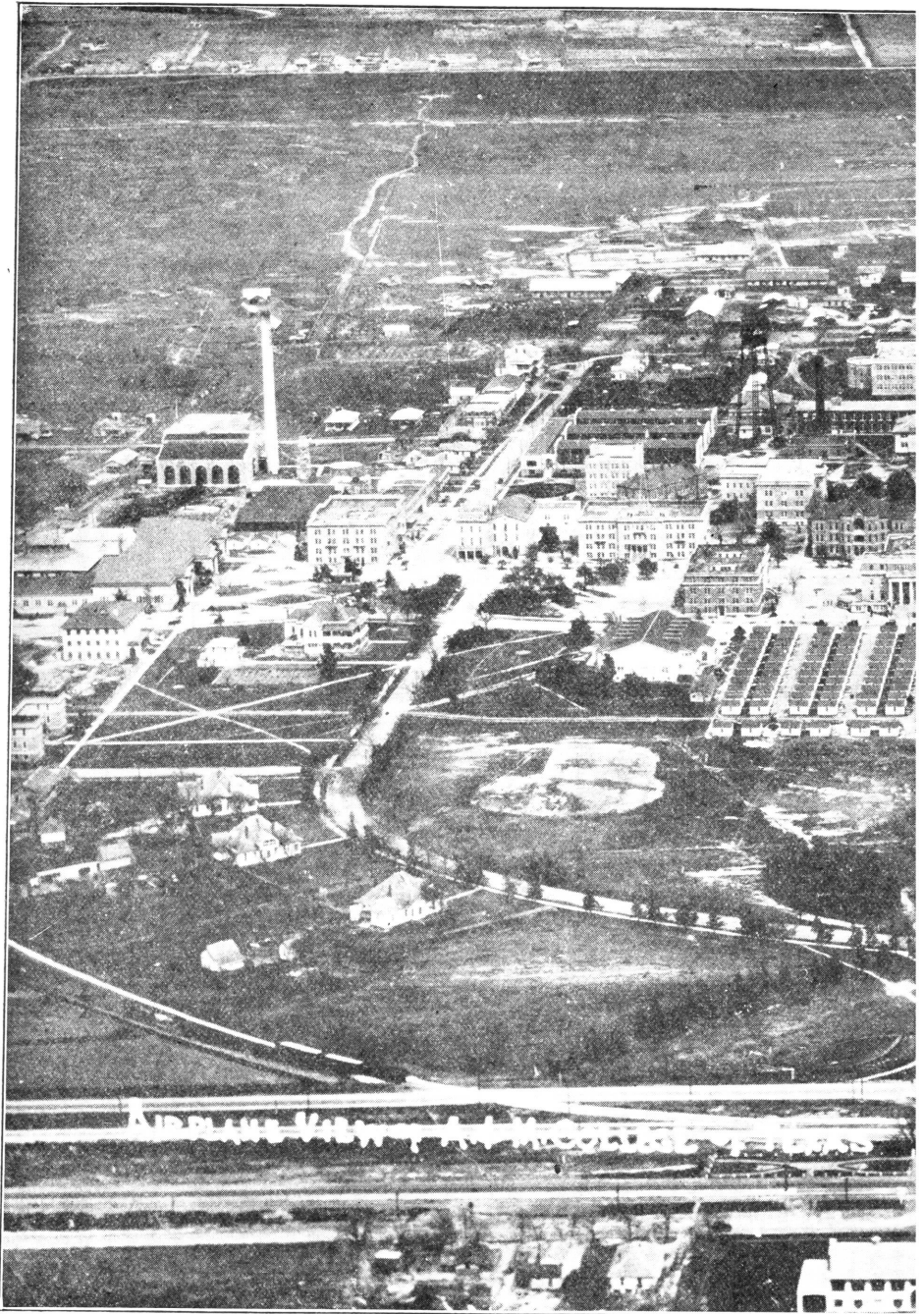
- 301S. Genetics. (6-4) [4]  
Prerequisite: Biology 101, 102, 207.  
Daily 7:30; M., W., 2:30-4:25.  
Laboratory fee, \$1.00.

### History

- 101S. The Development of Western Europe. (6-0) [3]  
Daily 10:30.
- 215S. History of the United States. (6-0) [3]  
Daily 9:30.
- 305S. Citizenship. (6-0) [3]  
Daily 7:30.

### Industrial Education

- 102S. Theory and Principles of Vocational  
Education. (4-0) [2]  
M., T., Th., F., 8:30.
- 202S. Job Analysis. (4-0) [2]  
M., T., Th., F., 9:30.
- 301S. Methods of Teaching and Class  
Management. (4-0) [2]  
M., T., Th., F., 11:30.
- 310S. Course Making. (4-0) [2]  
M., T., Th., F., 10:30.
- 312S. Psychology Applied to Industry. (6-0) [3]  
Daily 10:30.
- 320S. Aims and Objectives of Part-Time  
Schools. (4-0) [2]  
M., T., Th., F., 9:30.



AIRPLANE VIEW OF THE CITY OF ALBANY, N. Y.

AN AIRPLANE VIEW



THE CAMPUS

- 409S. Methods of Introducing Industrial Organization and Management into Industrial Schools. (4-0) [2]  
M., T., Th., F., 8:30.

### Mathematics

- 101S. Algebra. (6-0) [3]  
Sec. 1. Daily 7:30.  
Sec. 2. Daily 9:30.
- 102S. Algebra. (6-0) [3]  
Daily 9:30.
- 103S. Plane Trigonometry. (6-0) [3]  
Sec. 1. Daily 8:30.  
Sec. 2. Daily 10:30.
- 104S. Analytics. (6-0) [3]  
Prerequisite: Mathematics 103, 104.  
Daily 10:30.
- 203S. Calculus. (6-0) [3]  
Prerequisite: Mathematics 104.  
Sec. 1. Daily 11:30.  
Sec. 2. Daily 9:30.
- 204S. Calculus. (6-0) [3]  
Prerequisite: Mathematics 104.  
Daily 8:30.

### Mechanical Engineering

- 207S. Kinematics. (4-4) [3]  
Prerequisite: Mathematics, 104.  
M., T., Th., F., 8:30; T., Th., 2:30-4:25.
- 212S. Engineering Mechanics. (6-0) [3]  
Prerequisite: Mathematics 203.  
Daily 10:30.
- 309S. Machine Shop. (0-6) [1½]  
Prerequisite: Mechanical Engineering 104.  
W., F., 1:30-4:25.  
Laboratory fee, \$1.50.
- 310S. Machine Shop. (0-6) [1½]  
W., F., 1:30-4:25.  
Laboratory fee, \$1.50.
- 317S. Engineering Mechanics. (6-0) [3]  
Daily 10:30.

**Physics**

- 203S. General. (6-6) [4½]  
 Prerequisite: Mathematics 101, 103.  
 Daily 7:30; W., F., 1:30-4:25.  
 Laboratory fee, \$1.00.
- 204S. General. (6-6) [4½]  
 Prerequisite: Mathematics 101, 103.  
 Daily 10:30; W., F., 1:30-4:25.  
 Laboratory fee, \$1.00.

**Poultry Husbandry**

- 102S. Farm Poultry. (4-4) [3]  
 M., T., Th., F., 8:30; W., F., 1:30-4:25.  
 Laboratory fee, 50 cents.

**Rural Education**

- 121S. Elementary School Methods. (6-0) [3]  
 Daily 7:30. Practice hours to be arranged.
- 321S. Secondary School Methods. (5-0) [3]  
 Prerequisite: Junior standing.  
 Daily 8:30.
- 421S. History of Education. (6-0) [3]  
 Daily 10:30.
- 423S. The Junior High School. (6-0) [3]  
 Daily 11:30.
- 424S. Supervised Teaching. (2-8) [3]  
 Hours to be arranged.

**Rural Sociology**

- 201S. Introduction to Social Problems. (6-0) [3]  
 Daily 7:30.
- 311S. Social Psychology. (6-0) [3]  
 Daily 10:30.

**Veterinary Anatomy**

- 306S. Animal Diseases. (6-4) [4]  
 Daily 11:30 and W., 1:30-5:25.

**Veterinary Medicine and Surgery**

- 351S. Non-infectious Diseases. (6-0) [3]  
 Daily 9:30.
- 371S. Clinics. (0-18) [3½]  
 Hours to be arranged.
- 455S. Diseases of Poultry. (4-0) [2]  
 M., T., Th., F., 10:30.

### Graduate Courses

For the rules and regulations governing graduate work the student is referred to the Catalogue of the regular session. The following graduate courses will be available during the first term of the 1928 Summer Session:

501S.	Agricultural Education.	(8-0)	[4]
502S.	Agricultural Education.	(8-0)	[4]
505S.	Agricultural Education.	(8-0)	[4]
501S.	Agronomy.	(4-8)	[4]
505S.	Agronomy.	(4-8)	[4]
507S.	Agronomy.	(4-8)	[4]
501S.	Animal Husbandry.	(4-8)	[4]
502S.	Animal Husbandry.	(4-8)	[4]
501S.	Economics.	(6-0)	[3]
501S.	Entomology.	(4-8)	[4]
507S.	Entomology.	(4-8)	[4]
508S.	Entomology.	(4-8)	[4]
501S.	Genetics.	(4-8)	[4]
503S.	Genetics.	(4-8)	[4]
505S.	Genetics.	(4-8)	[4]
505S.	Industrial Education.	(8-0)	[4]
506S.	Industrial Education.	(8-0)	[4]
501S.	Poultry Husbandry.	(4-8)	[4]
502S.	Poultry Husbandry.	(4-8)	[4]
501S.	Rural Education.	(8-0)	[4]
505S.	Rural Education.	(8-0)	[4]
501S.	Rural Sociology.	(8-0)	[4]



**SECOND TERM**  
(July 23 to September 1)

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**Agricultural Economics**

- 312S. Agricultural Economics. (4-4) [3]  
Prerequisite: Economics 203, 204, and Accounting and Statistics 303.  
M., T., Th., F., 11:30; M., W., 2:30-4:25.

**Agronomy**

- 308S. Forage Crops. (4-4) [3]  
M., T., Th., F., 7:30; W. F., 2:30-4:25.  
Laboratory fee, 50 cents.
- 314S. Field Crops. (6-4) [4]  
Daily 9:30; T., Th., 2:30-4:25.  
Laboratory fee, 50 cents.

**Animal Husbandry**

- 303S. Animal Nutrition. (6-4) [4]  
Prerequisite: Chemistry 206.  
Daily 7:30; T., Th., 2:30-4:25.
- 409S. Animal Nutrition and Live Stock Feeding. (6-4) [4]  
Daily, 9:30; M., W., 2:30-4:25.

**Biology**

- 102S. General Botany. (4-8) [4]  
M., T., Th., F., 8:30 and 2:30-4:25.  
Laboratory fee, 50 cents.
- 207S. General Zoology. (4-8) [4]  
M., T., Th., F., 9:30 and 3:30-5:25.  
Laboratory fee, \$1.00.

**Chemistry and Chemical Engineering**

- 102S. General Inorganic Chemistry. (6-6) [4½]  
Sec. 1. Daily 9:30; M., W., 1:30-4:25.  
Sec. 2. Daily 11:30; T., Th., 1:30-4:25.  
Laboratory fee, \$3.50.
- 309S. Agricultural Chemistry. (6-6) [4½]  
Prerequisite: Chemistry 206.  
Daily 11:30; W., F., 1:30-4:25.  
Laboratory fee, \$3.00.

### Civil Engineering

- 204S. Analytical Mechanics. (8-0) [4]  
 Prerequisite: Mathematics 203; to be accompanied  
 by Mathematics 204.  
 Daily except S., 9:30; W., F., 10:30.
- 305S. Mechanics of Materials. (6-0) [3]  
 Prerequisite: Mathematics 204; Civil Engineering  
 204; or equivalent.  
 Daily except S., 7:30; W., 8:30.
- 311S. Hydraulics. (6-8) [4]  
 Prerequisite: Civil Engineering 204.  
 Daily except S., 11:30; T., 10:30.
- 340S. Framed Structures. (7-0) [3]  
 Prerequisite: Mathematics 204, Civil Engineering 305.  
 Daily except S., 8:30; M., F., 9:30.
- 342S. Framed Structures. (0-13) [3]  
 Prerequisite: Mathematics 204, Civil Engineering 305.  
 M., W., F., 10:30-12:25; T., Th., 9:30-12:25.

### Drawing

- 101S. Mechanical Drawing. (0-4) [1]  
 M., W., 1:30-4:25.
- 103S. Descriptive Geometry. (6-0) [3]  
 Daily 9:30.
- 104S. Descriptive Geometry. (4-4) [3]  
 Prerequisite: Drawing 103.  
 M., T., Th., F., 11:30; W., F., 2:30-4:25.
- 108S. Mechanical Drawing. (0-4) [1]  
 Prerequisite: Drawing 101.  
 W., F., 2:30-4:25.
- 201S. Mechanical Drawing. (0-4) [1]  
 Prerequisite: Drawing 108.  
 T., Th., 2:30-4:25.
- 202S. Mechanical Drawing. (0-4) [1]  
 Prerequisite: Drawing 201.  
 W., F., 2:30-4:25.

### Economics

- 204S. Principles of Economics. (6-0) [3]  
 Daily 8:30.
- 403S. Principles of Economics. (8-0) [3]  
 Daily 9:30; F., S., 11:30.

**English**

- 104S. Rhetoric and Composition. (6-0) [3]  
Daily 9:30.
- 204S. Composition and Literature. (4-0) [2]  
Prerequisite: English 103, 104 or 105, 106.  
M., T., Th., F., 9:30.
- 232S. English Literature. (6-0) [3]  
Prerequisite: English 103, 104 or 105, 106.  
Daily 11:30.
- 303S. Argumentation. (4-0) [2]  
Prerequisite: English 203, 204.  
Sec. 1. M., T., Th., F., 10:30.  
Sec. 2. M., T., Th., F., 8:30.

**History**

- 102S. The Development of Western Europe. (6-0) [3]  
Daily 10:30.
- 216S. History of the United States. (6-0) [3]  
Daily 9:30.
- 305S. Citizenship. (6-0) [3]  
Daily 7:30.

**Marketing and Finance**

- 302S. Marketing. (6-0) [3]  
Prerequisite: Economics 203 and 204, or Economics 403.  
Daily 10:30.

**Mathematics**

- 102S. Algebra. (6-0) [3]  
Daily 7:30.
- 104S. Analytics. (6-0) [3]  
Prerequisite: Mathematics 103, 104.  
Daily 8:30.
- 204S. Calculus. (6-0) [3]  
Prerequisite: Mathematics 104.  
Daily 11:30.

**Physics**

- 204S. General. (6-6) [4½]  
Prerequisite: Mathematics 101, 103.  
Daily 10:30; W., F., 1:30-4:25.

### Poultry Husbandry

- 301S. Preparing Poultry Products for Market. (4-4) [3]  
 M., T., Th., F., 9:30; M., W., 2:30-4:25.  
 Laboratory fee, 50 cents.

### Rural Education

- 122S. Elementary School Methods. (6-0) [3]  
 Daily 7:30. Practice hours to be arranged.
- 322S. Secondary School Methods. (6-0) [3]  
 Prerequisite: Junior standing.  
 Daily 8:30. Practice hours to be arranged.
- 422S. History of Education. (6-0) [3]  
 Daily 10:30.
- 424S. Supervised Teaching. (2-8) [3]  
 Hours to be arranged.

### Veterinary Medicine and Surgery

- 352S. Non-infectious Diseases. (6-0) [3]  
 Daily 9:30.
- 372S. Clinics. (0-24) [6]  
 Hours to be arranged.

### Graduate Courses

The following graduate courses will be available during the second term of the Summer Session:

- 504S. Genetics. (4-8) [4]  
 506S. Genetics. (4-8) [4]  
 503S. Poultry Husbandry. (4-8) [4]  
 504S. Poultry Husbandry. (4-8) [4]  
 502S. Rural Education. (8-0) [4]  
 506S. Rural Education. (8-0) [4]

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## THE SUMMER SCHOOL OF COTTON

(June 11 to July 21)

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The object of the School of Cotton is to prepare young men for cotton buying and the managing of cotton warehouses, and to offer to farmers the opportunity of increasing their knowledge of the leading farm products of Texas.

A study is made of the elements which determine the commercial grades of cotton; the influence which affects the price of cotton; the system of financing the crop from the field to factory, and the relation of exchanges to the business in general. Each class is furnished with new samples for practice and the work is patterned after that of a cotton office. The samples used in the Summer School are obtained from cotton states west of the Mississippi River and an effort is made to familiarize the student with the different characteristics of cotton grown in the southwest.

Special attention will be paid to the staple of cotton, and experts in this branch will give instruction in this subject. Many samples of various lengths of staple will be provided for students taking up this line of work.

The government standards for classing cotton, which have been adopted by all the exchanges, will be used.

A new feature of the school will be a course in cotton office methods in which the office end of the cotton business will be outlined and thoroughly drilled into students by the actual keeping of all necessary records.

A number of men prominent in the cotton world in Texas and from the Bureau of Agricultural Economics of the Department of Agriculture, Washington, D. C., will address the school on subjects that will be of special interest.

A Cotton Exchange is operated during the session to give the student a better idea of the making of local prices and to familiarize him with its operation.

For announcement giving complete details relative to the work of this division, write to Professor J. B. Bagley, College Station, Texas.

## THREE-WEEKS' COURSE FOR TEACHERS OF VOCATIONAL AGRICULTURE

(July 2 to 21)

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In order to better serve the teacher of vocational agriculture who finds it impracticable to be away from his job six consecutive weeks a three weeks' short course was established last summer. The course is really a combination of the annual conference of teachers of vocational agriculture with graduate study. There will be daily conferences with members of the state supervisory staff dealing with questions concerning state policy and administration. A number of short unit courses, both graduate and undergraduate, will be available. Two half-courses, or a total of four term hours, will be the maximum college work that a short course student may carry in addition to his conference duties.



LEGETT HALL

An out of state lecturer of national prominence in vocational agricultural education will deliver a course of six lectures. There will also be a series of lectures by specialists in the various departments and divisions of the School of Agriculture and the Agricultural Experiment Station.

Through a questionnaire sent to all teachers of Vocational Agriculture the Department of Agricultural Education will determine what courses are desired by the largest number of prospective students for this course. Graduate courses for which there is the largest demand will be available to these students, regardless of lists published at this time. Special announcement of such additional courses will be made about May 15.

## SHORT COURSE FOR GRADUATE VETERINARIANS (Tentative date, June 25 to 30)

This course is planned to provide opportunities for veterinarians to become more familiar with problems which their particular line of work or kind of practice up to this time, has not presented.

Some of the newer and more dependable methods of diagnosis will be considered.

### Character of Work

Lectures, practice periods, laboratory work and clinics will be offered in poultry diseases, practical microscopy, diseases of small animals, diseases of the reproductive organs, animal breeding, feeds and feeding, medicine and surgery, live stock sanitation, and milk and meat inspection.

### Entertainment

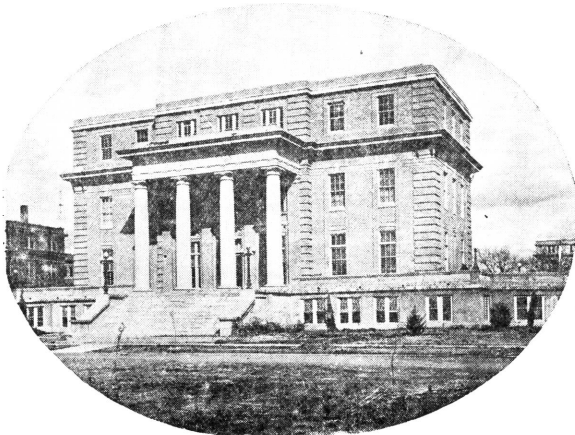
The evenings will be used for round table discussions, moving pictures, and entertainments.

### Expenses

No tuition will be charged. Rooms may be had for men only in a dormitory at fifty cents a day. Rooms and meals may be had at the Aggieland Inn at reasonable rates.

Good facilities for camping will be provided near the Campus. Well equipped Tourist Camps are located between College and Bryan on a macadam road.

The State Veterinary Medical Association will hold its eighteenth annual meeting at College Station during the week of the Short Course.



Y. M. C. A. BUILDING



## SHORT COURSE FOR PUBLIC UTILITY MEN (June 11 to 15)

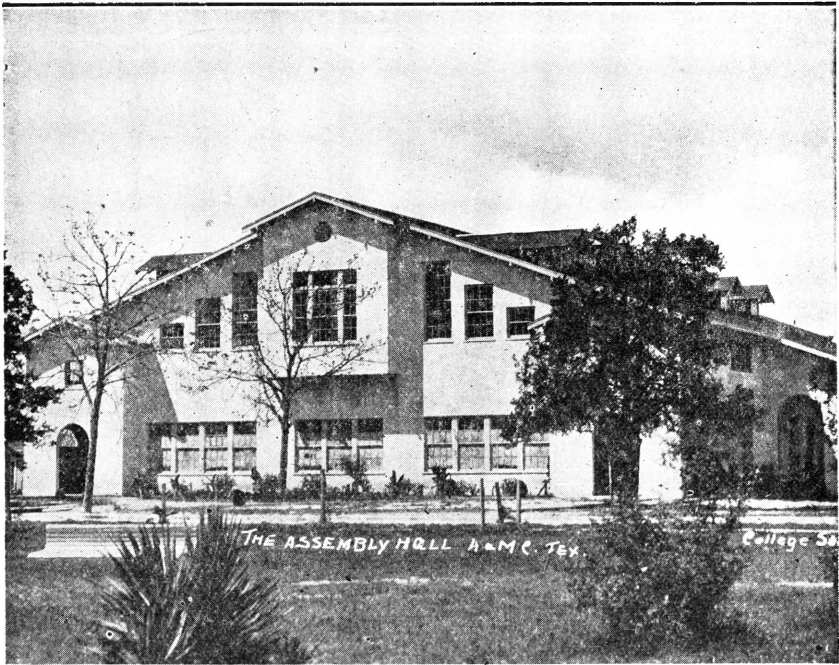
The object of this group of courses is to give intensive instruction for those engaged in certain departments of public utility organizations. The courses are intended to supplement the practical experience of men already working with utilities but who feel the need of a better understanding of the principles underlying their work in order that they may become more efficient.

On account of the brief time available, it is expected that the student will have had some practical experience before he enters upon the course. Instruction is given in the form of lectures, demonstrations and individual laboratory work.

The following courses are offered:

1. Elementary Electric Meters.
2. Advanced Electric Meters.
3. Electric Distribution.

A more detailed announcement will be issued about May 1st, and may be obtained by addressing Dean F. C. Bolton, College Station, Texas.



ASSEMBLY HALL

**THE SHORT COURSE IN COTTON BREEDING**(July 23 to 27)

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This course is planned to provide instruction for those who wish to qualify before the State Board of Plant Breeder Examiners for a license to produce registered and certified cottonseed. The work consists of lectures, laboratory work, and field demonstrations.

An examination will be given by the state board on July 27, to all who wish to take it. There is no fee for this course, but a charge of \$10.00 is made for the examination.

Board and room may be secured at the college at reasonable rates.

**The Texas Cottonseed Breeders' Association will meet at College Station for two days during the week.**

For further information regarding the course or the examination, address Dr. E. P. Humbert, College Station, Texas.

**FIFTH ANNUAL CONFERENCE OF COUNTY  
SUPERINTENDENTS**(July 30 to August 4)

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The Texas Agricultural and Mechanical College is endeavoring to make a contribution toward the upbuilding of the Texas rural schools. Consequently the County Superintendents are invited to take advantage of the low railroad rates and inexpensive boarding and lodging rates, to spend the week at the College in making an intensive study of their work.

A printed program of the Conference will be sent to each County Superintendent. This Conference is held each year under the direction of the Department of Rural Education, Texas Agricultural and Mechanical College.

## COTTONSEED OIL MILL OPERATORS' COURSE (June 11 to 20)

As the Department of Chemistry and Chemical Engineering of the A. and M. College of Texas has a complete cotton seed oil mill and refining equipment for use in connection with the instructional work it was thought advisable to offer a summer short course for cotton seed oil mill operators and others interested.

The complete mill was presented to the College by the Texas Cotton Seed Crushers' Association and they are very anxious in every way to cooperate with the College in making the summer short course a success.

The course is designed primarily for men who have had some experience in oil mill operation and wish to supplement their practical knowledge with a better understanding of the theory involved. The theory will not be presented in a highly technical form, and will be amply illustrated by demonstrations, and by tests, some of which the students themselves will make in the laboratory. The student will study the operation of all the machinery and make a chemical examination of the crude material and finished products. The class rooms, laboratories, and equipment of the Department of Chemistry and Chemical Engineering will be used in giving the course.

A more detailed announcement will be issued about May 1st, and may be obtained by addressing Dr. C. C. Hedges, College Station, Texas.



SCIENCE HALL

