

# Opportunities Offered In Poultry Department

A&M now possesses one of the most modern and complete poultry plants in the Southwest. Built of masonry blocks, the buildings on the 150-acre poultry farm were planned not only with permanence of construction and beauty in mind, but for efficient operation with a minimum of labor.

The central building, located on the north-east side of the farm, is the center of operation. It furnishes facilities for incubation, egg grading, post mortem, processing, freezing, sales of poultry products and houses the farm offices and laboratory classrooms.

Other buildings include a battery brooder house with feed and sterilizing rooms, four broiler houses; three trap houses (one for laying and two for breeding work), twelve farm type laying houses, four large individual laying cage houses; one turkey brooder house, one turkey breeder house and six turkey flock houses. Miscellaneous buildings include a feed mixing building for research and a feed mixing and pelleting building, truck and tractor garage, vehicle and implement storage pole-type building, labor headquarters and repair shop, farm superintendent's home, three labor cottages, three storage houses and a number of portable range shelters.

The incubator capacity is 50,000. Sixty thousand chicks and 3,000-5,000 poults are hatched annually. Chicken layers and breeders number 700 and turkey breeders number 400 to 600.

Breeds of chickens maintained

include White Leghorns, New Hampshires, White Rocks, Inbred Lines and Crosses. Turkey breeds maintained include Broadbreasted Bronze and Beltsville Small White.

The main student organization in the Poultry Science Department is the Poultry Science Club. The Club sponsors two poultry judging teams each year: the junior judging team which competes in the Southern Collegiate Poultry Judging Contest and the senior judging team which competes in the National Show at Chicago. Each fall before the senior team leaves for Chicago, the club honors them with a banquet. The graduating seniors are feted with a chicken fry each spring. The "big" function sponsored by the club is the Texas Chick, Poultry and Egg Show,

which is the largest show of its kind in the Southwest. This show gives all club members a chance to take an active part in their chosen field.

The department is in a position to offer graduate work in the fields of poultry genetics and breeding, poultry nutrition and feeding, incubation, brooding and rearing and poultry processing and marketing. Growth of the poultry industry and the need for a rapid expansion of scientific and technical knowledge in the various fields of science basic to the successful poultry husbandry have supplied motivation for the development of graduate courses. Modern intensive methods of producing poultry meat and eggs make advanced study on the graduate level very desirable.

## Floriculture Offers Three Main Fields

Floriculture is one of the nation's most rapidly expanding industries with business volume topping the billion dollar mark each year.

The industry offers many opportunities to young, progressive, well-trained people. Among them is the opportunity to own his own business.

Recent graduates are about equally divided into three groups: one engages in growing and selling flowers, shrubs, trees and other ornamental plants; one in the phases of the industry that distribute

these products and the third group is engaged in teaching and research activities in the field of floriculture.

Closely related to horticulture and other plant sciences, floriculture centers around trees, shrubs, and flowers which add to the charm and beauty of landscaped areas. A floriculturist usually supervises the actual planting and growing operations for the landscape architect.

A&M offers excellent new laboratory facilities including a greenhouse range consisting of more than 15,000 square feet of glass, a large collection of plants for student use, facilities and materials for study of greenhouse management, nursery management, plant propagation and best control. Twenty-five acres of nursery stock, 2,200 square feet of lath-house and over 500 species and varieties of woody ornamental plants are available for training in nursery management and landscape maintenance.

## Civilian Banquet Tonight In MSC

The third annual Civilian Student Council Banquet will be held tonight at 6:30 in the Dining Room of the Memorial Student Center.

All members and six special guests will attend the affair. The guests include: Bennie A. Zinn, Head of Student Affairs and sponsor of the banquet; Pete Hardesty, of Student Activities; Robert Kamm, dean of the Basic Division and Student Personnel Services; and civilian student counselors, Robert O. Murray Jr., William G. Breazeale and Philip R. Campbell.

Bill Clark, Civilian Student Council president, will give a report of the work of the council for the past year and will present keys to this year's members for services rendered on the council.

## Dairy Science Dept.

Agriculture is a very vital part of our economy today. Considering the many fields, dairying is one of the most essential. The Department of Dairy Science at A&M is well equipped with adequate facilities to interest those who want to "dairy."

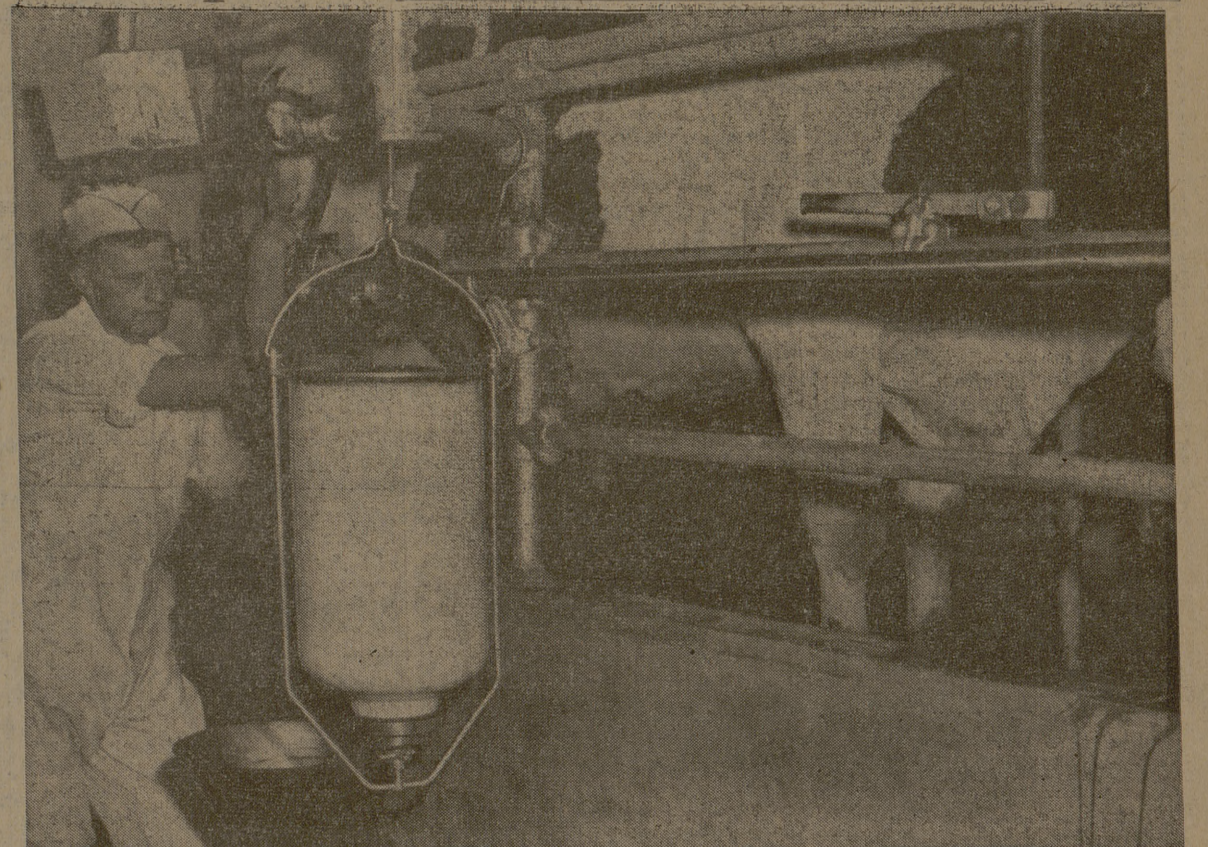
The A&M College Dairy Cattle Center, situated "across the tracks," is an outstanding achievement of the Dairy Science Department. The 801-acre Dairy Center and farm consists of a feeding barn, six stall milking parlor, 400 foot shelter barn, calf barn and maternity barn. There are also seven upright silos, two trench silos and two hay barns. On the farm land atlas sorghum is grown for silage, while cultivated pastures include sudan grass, sweet clover, oats, barley and winter legumes. The recently completed Dairy Breeding Center, which houses the herd sires, provides facilities for research and teaching in artificial breeding.

The dairy herd itself consisting of Jerseys, Holsteins, and Jersey-Brahman Crosses, totals 415 in number. Of these 177 cows are in milk with a daily production of 44 lbs. per cow. Along with the experimental projects and research, the dairy provides 700 gallons of milk daily to the campus for student consumption.

The A&M Creamery, which processes the milk, is another vital part of the dairy department. This summer a new modern creamery will be finished and operating in full swing. This creamery processes the milk and milk products, such as ice cream, cheese and butter, but provides a working laboratory for all Dairy Science students. Many students work at the center and creamery to help pay their way through school.

When majoring in Dairy Science at A&M, a student has a choice of either the production or manufacturing phase of dairying. Although both are closely related, the production phase deals with breeding, feeding, nutrition and management, while the manufacturing favors processing, sanitation and special products.

No matter what phase of dairying is preferred, the Dairy Science Department offers opportunities in that field.



A&M's MILK sanitation plant is one of the finest in the nation. It offers a great opportunity for agriculture majors to study the best in milk sanitation.

## Ag Journalism Graduates Command Top Positions

Agricultural journalism is a relatively new facet of learning within the Texas A&M School of Agriculture! But youth has long been a symbol of boundless energy, enthusiasm and a willingness to try out new ideas.

While the subject has been taught only eight years at A&M, agricultural journalism graduates have already added much to the prestige of their college and their profession. Taking coveted positions in all fields of communications—press, radio and extension—these "double duty" men have drawn praise from officials in both journalism and agriculture.

Education in this field prepares men for a challenging future in

the business of writing. Not only do well-trained agricultural journalists have the opportunity to prepare factual reports of new developments and report current happenings, but it is also their mission to present enough information for moulding the thoughts and shaping the opinions of our farm population.

Ag journalism at A&M embodies a well-planned combination of technical training in agriculture with a detailed, comprehensive study of journalism principles. Actually it is a technical journalism course supplying a broad knowledge of agriculture.

Certain questions usually come up in any discussion of this course.

Many of its objectives are misunderstood and misinterpreted. Does ag journalism limit a man to the field of agriculture? Certainly not! Many students interested in farm life have elected to major in this field with every intention of entering straight communications.

Journalism training in this curriculum is intensive, including news reporting, editing, advertising, typography, feature writing, radio and TV writing, as well as newspaper management. An agricultural journalism graduate can capably assume any communications position on an equal footing with the straight journalism major.

## Ag Engineering Vital to Farming

Agricultural engineering is the application of the fundamental phases of engineering to the requirements of agriculture.

Training is given the agricultural engineer in both engineering and agriculture which, with experience in integrating the two, will qualify him to design, develop, organize and direct engineering work in agriculture and closely allied industries.

Agricultural engineering covers four major phases of activity—farm power and machinery, farm buildings and structures, farm electrification and soil and water conservation.

Farm power usually designates the farm tractor, but includes all self-propelled vehicles. Machinery includes all implements and devices consuming power on the farm. The agricultural engineer designs farm machinery and power units for every type of farm usage. He then demonstrates their use and capabilities to the farmer and counsels the farmer's selection.

Farm structures include barns, shops, silos, farm homes and various other farm buildings. Here the agricultural engineer concerns himself with the economic aspects of structures. It challenges his imagination and calls for good judgement plus a knowledge of climate, heating and ventilation, physical factors and availability of supplies.

Farm electrification deals with all the uses of electricity in rural conditions. It is not so much elec-

trical engineering as it is the application of electricity for power, heat, and light for agricultural purposes.

Soil and water conservation consists largely of irrigation, drainage and control of soil erosion. Here the agricultural engineer applies his knowledge of runoff control, flood retarding structures, terracing, and crop growing. He is able to apply his education and experience to keeping America beautiful and productive.

The American Society of Agricultural Engineers is a group of agricultural engineers having a common core of experience who promote research, experimentation and other work in agricultural engineering. The A&M Student Branch of ASAE is an active organization working under the parent society to develop leadership, stimulate interest and promote employment opportunities for agricultural engineering students.

Agricultural engineering is a challenging profession with opportunities unlimited for the young man who has a desire to maintain and improve the resources of our country.

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