

Poultry Farm Gets Poultry Shelter

A new \$5000 cage shelter is under construction at the A&M College Poultry Farm. The shed type structure when completed will be 180 feet long and 16 feet wide and will house approximately 608 laying hens.

Each hen will be housed in an individual cage provided with its own drinking fountain. The shelter will also feature removable side panels which will provide for better air circulation during the summer.

The building will be used to house experimental chickens which are part of the Atomic Energy Commission's radio activity experiment. It is hoped that commercial data useful to Texas poultry raisers will also be obtained.

Construction will be completed by September 15 according to Karl Myers, who is supervisor at the farm.

This relatively new development in the egg production field, housing the hens in individual cages, is receiving an increasing amount of attention in Texas. According to W. J. Moore, poultry husbandman for the Texas Agricultural Extension Service, this system of producing commercial eggs has both advantages and disadvantages when compared with the more commonly used method of production—the laying house.

The cage system is an intensive method and requires a different management program for the laying flock, says Moore. The human element is an even greater factor than in the older and more standardized floor system, and, he adds, precision is the key to successful laying cage management. The system must be operated with clock-wise precision if the hens are to do their work, says the specialist. The failure of one operation can throw the assembly line out of production. Feeding, watering, ventilation, cleaning, culling, and replacements all must be handled with precision.

Moore explains the advantages of the individual cage system this

way. Egg production can be held fairly uniform throughout the year; cannibalism can be eliminated; competition between birds is eliminated; freedom from coccidiosis and roundworms; feed efficiency can be improved and mortality will be lower.

On the disadvantage side, Moore lists the relatively high initial investment; the greater attention which must be given to details; fly problems and multiple brooding or replacements.

The specialist points out there are other problems which need attention before such a plant is built and suggests that persons interested contact their local county agent for details and a copy of a new publication, C-338, Laying Cage Management.

Exams Given For State Health Jobs

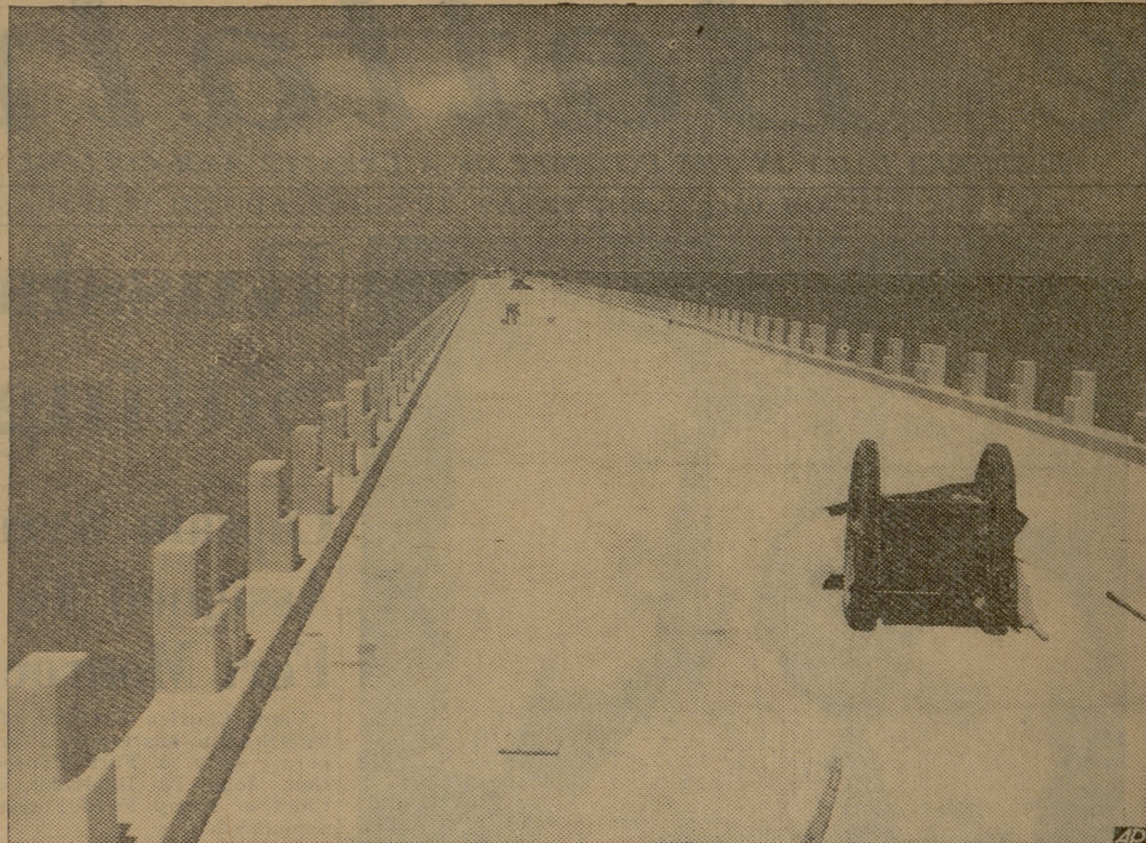
AUSTIN, Texas—Spl—Competitive examinations for clerical, technical, and professional positions with the Texas State Department of Health are offered on a continuous basis until further notice, Mr. Russell E. Shrader, Supervisor of the Merit System Council, has announced.

Applications and information are available on request from the Merit System Council, 805 Littlefield Building, Austin 15, Texas.

Classifications open for examination include typists, stenographers, secretaries, and other public health personnel.

All applicants must have high school graduation and training and experience appropriate to the classification. Examinations may be either written, an evaluation of training and experience, or a combination of the two.

Examinations will be given in Austin in the Merit System Council office on a continuous basis and in other centers over the State on September 26 where the number of candidates justify.



SOUTH PADRE CAUSEWAY TAKES SHAPE—Here's the latest view of the \$2,250,000 concrete causeway which soon will link the southern end of Padre Island with the Texas mainland at Port Isabel. The causeway is the first step in a long-range, \$10,000,000 development program undertaken by Cameron County to convert South Padre into one of the nation's finest resort areas. The Padre shoreline can be seen in the distance.

Steady Population Increases Create Problems Of Supply

By TEX EASLEY

WASHINGTON—AP—A couple of Texas tourists, Mr. and Mrs. Marion Quinn of Grand Saline, recently stood in the Commerce Department lobby and stared at the huge speedometer-like device that records the steady climb of the nation's population.

"It makes you wonder how we'll take care of everybody in a few years," Quinn said.

Officials are wondering the same thing.

The figure 160,000,000 (m) appeared on the contraption the other day. It is figured that the U. S. will have 190 million people by 1975 and 200 million by the year

2,000—barring unforeseen disasters. In the light of those estimates, the question of conserving the nation's natural resources to get the greatest possible benefit draws considerable attention.

Rain Conservation Needed

On one resource front, Rep. Lloyd M. Bentsen Jr., McAllen, just before Congress adjourned pointed out to his colleagues the need for conserving more of the rains that now run off unused into the sea.

"We must recognize the problems which will confront us tomorrow if we are to be ready for the future," he said.

"Every night when this Nation sits down to dinner about 7,200 more people need to be served than on the night before. No one wants smaller portions."

And the Population Reference Bureau, a private study organization, has put out a report declaring that natural resources are being drained away at an alarming rate.

Mineral Reserves Studied

This means, the Bureau added, that science will have to find ways to tap the vast reservoirs of min-

erals far below the earth's surface and in the oceans.

"Unless technology is applied to control the birth rate as well as the death rate," the study continued, "it is not likely that the world will gain the breathing spell needed to develop a rock-sea water-sunlight economy which could nurture five billion people."

Although the reference here was to the problem on a world-wide scale, the Bureau dwelt specifically on the natural resources of the United States. It pointed out that while coal is plentiful, oil and natural gas reserves "are dwindling rapidly."

The report was prepared by Robert C. Cook, the bureau's director, who used data gathered by the U. S. Geological Survey, U. S. Reclamation Bureau and other such agencies. He analyzed it and came up with his own conclusions as to what will happen under given sets of conditions.

Questioned about the rate Texas resources are draining away, Cook answered:

"I have made no specific study regarding Texas, but it would be safe to say that the resources there are being depleted as rapidly as any place in the nation."

He declared that, in his opinion, it is folly on the part of Texas and detrimental to the national interest to pipe natural gas from Texas to the East to displace coal as an industrial fuel.

Remaining in Texas, natural gas would attract industry and get greater use than it now gets in "export" areas, he explained.



"THANK THE LAWD . . ."—She's just a cotton-picker on a farm near High, but she's the happiest woman on earth. Mrs. O. J. Rutherford (left) broke the news to Dessie Lee Heath (right) that her son, Pfc. James M. Connally, had been liberated by the Communists. Here Dessie rejoices in the cotton patch where she works.

Two Farmers Pleased With Soils Lab Tips

The cost was small but the returns large for two Halimton County farmers who followed the fertilizer recommendations given them by M. K. Thornton in charge of the Soils Testing Laboratory of the A&M College System.

The two farmers, Edgar Sparks and Jack Cates reported to Samlilton County Agent E. R. Lawrence outstanding yields of oats from the fertilized fields on which soil tests had been made before the plant food was applied.

Sparks reported a weighed yield of 79 bushels of oats an acre from the field on which he applied 100 pounds of ammonium nitrate an acre. The adjoining field which was not fertilized produced 37 bushels of oats an acre. That, by simple arithmetic, is five bushels an acre more than double the unfertilized yield and a mighty good return on the dollar spent for a soil analysis and the 100 pounds of ammonium nitrate.

Cates used 100 pounds of 14-14-0 fertilizer an acre on one field and reports the yield as a third higher than for another field which received no treatment. Both, according to Lawrence, are well pleased with their "feeding the soil according to its needs" demonstration.

Thornton, who is also agricultural chemist for the Texas Agricultural Extension Service, reminds farmers that now is the time to submit soil samples to the laboratory from the fields where small grain and legumes or pasture crops will soon be planted. "Don't wait," says Thornton, "until seeding time to begin thinking about getting a soil analysis. Submit samples now while the laboratory is not too busy. The analysis along with recommendations on how best to handle the field will be available for your use before planting time."

Mrs. Claytor Tells Remedy For Mildew

Mildew is caused by molds that thrive on household products like tablecloths, bathmats, dish towels and articles made of leather and wool.

Mrs. Bernice Claytor, home management specialist for the Texas Agricultural Extension Service, says, fortunately, mildew spots are easily removed if you get to them before the mold has a chance to rot the material.

Fresh mildew stains on washable goods can usually be removed by washing at once with soap and water, rinsing well and drying in the sun.

If any stains remain, moisten with lemon juice and salt, spread in the sun to bleach, and then rinse thoroughly and dry. Be careful when you use this treatment on colored material.

Another safe bleach for household articles is sodium perborate which can be bought at drug stores or in commercial bleaches at most grocery stores. Sponge the mildew spot with a solution of one tablespoon sodium perborate to a pint of lukewarm water, or sprinkle the powder directly on the stain which has been dampened with hot water. Let stand a minute or two and then rinse well. Test the bleach on a sample of cloth if its colored.

Solvents Corp. Renews Aid Grant

The Commercial Solvents Corp. of Terre Haute, Ind., has renewed their grant-in-aid of \$2,000 to the Texas Agricultural Experiment Station for studies on the use of antibiotics and Vitamin B₁₂ products in starter and grower type feeds for chickens and turkeys.

"This work is being conducted in our departments of poultry husbandry and biochemistry and nutrition under the supervision of Dr. J. R. Couch," Dr. R. D. Lewis, station director, said.

Harvesting Drought Cotton Poses Problem

Harvesting this year's drought stunted cotton may be a problem, says Fred C. Elliott, cotton specialist for the Texas Agricultural Extension Service. The acre yield will be low and pickers or pullers will pass it up for the better yielding fields.

Elliott believes the answer to the problem is defoliation and mechanical harvesting. Knocking

High School Footballers Sign Letters

Twenty-one high school football players have signed letters of intent to register at A&M according to Freshman Coach Willie Zapalac.

The players, their weight, position and home towns are:

Benny Bloomer, 210, Tackle, Belton, All State 2A.

Donald S. Carpenter, 190, Fullback, Grand Prairie, All State 3A.

Wade Driver, Tackle, Terrell.

Bill Grandberry, 180, Back, Beeville.

Houston Green, 200, Guard, Breckenridge.

Walker B. Griffith, 200, Center, Humble.

Lloyd Hale, 190, Guard, Iranan.

H. B. Harris, 175, Quarterback, Center.

James Harris, 165, Halfback, Terrell, All State 2A.

Bobby D. Keith, 165, Halfback, Breckenridge.

Bobby Lockett, 205, Tackle, Breckenridge.

Jimmy R. Martin, 200, Guard, Houston, All State 4A.

Odis Michalk, 160, Back, Kingsville.

Weldon R. Moak, 195, End, Pasadena.

Dick Munday, 180, Center, Bryan.

Jimmy Murray, 200, Tackle, Aransas Pass.

John P. Pardee, 205, Back, Christoval.

Glenn Raines, Jr., 200, Tackle, Terrell.

John Ray, 185, End, Corpus Christi, All State 4A.

Alvin R. Smith, 185, Guard, Lamesa.

Eugene C. Stallings, 185, End, Paris.

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Film Society Shows 'Arsenic, Old Lace'

The A&M Film Society will present "Arsenic and Old Lace" in the MSC Ballroom Thursday evening at 7:30. It is a comedy about the batty Brewsters who had a penchant for poison in elderberry wine for tired old men. It's a howler with Josephine Hull and Cary Grant; a guaranteed 92 minutes of laughter.

On August 27 the film society presents its last production of the year, "Julius Caesar".

87 College Viewers Get Refrigerators

Eighty-seven students living in College View Apartments have received new refrigerators.

All refrigerators in the apartments have been replaced by 7-1 cu. ft. Kelvinators with a 26 pound freezing chest.

Delivery of the new refrigerators was begun July 27 and is now completed.

The Battalion

Lawrence Sullivan Ross, Founder of Aggie Traditions
"Soldier, Statesman, Knightly Gentleman"

The Battalion, official newspaper of the Agricultural and Mechanical College of Texas, is published by students four times a week, during the regular school year. During the summer terms, and examination and vacation periods, The Battalion is published twice a week. Days of publications are Tuesday through Friday for the regular school year, and Tuesday and Thursday during examination and vacation periods and the summer terms. Subscription rates \$6.00 per year or \$5.00 per month. Advertising rates furnished on request.

Entered as second-class matter at Post Office at College Station, Texas under the Act of Congress of March 3, 1879.

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