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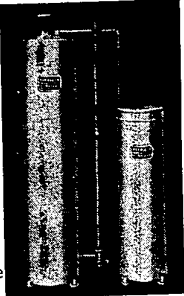
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Little Known Facts About Well Known Farm Subjects TURKEY PRODUCTION

Figures show Texas as the Leading State. Texas farmers are raising 4,466,000 turkeys this year. California, leading in 1944 and 1945, dropped to third place. Minnesota is now the No. 2 producing state.

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Are reported to be responsible for 28% of the Nation's occupational death toll, more than for any other of the other seven major industrial groups.

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FARM FEATURES

MSC ENROLLMENT CROWDS OUT EXTENSION MEET

Meeting, housing and feeding facilities are so taxed at Michigan State college and East Lansing that county extension workers can't even come back "home" for their annual conference.

Farmers' Week and the annual Extension Workers' Conference both winter events of importance on the MSC calendar, have been crowded off by the unprecedented 13,000 student enrollment at the college.

Extension workers ordinarily are called to the state extension headquarters at the college each December for a week's conference. R. J. Baldwin, director of extension, has announced that shorter and smaller district conferences will be held this year. Meeting rooms, housing or eating facilities are not available to accommodate the approximately 150 county extension workers.

Farmers' Week, cancelled last year when enrollment exceeded 6,000 at the winter term, is an impossibility again this year with enrollment more than double that figure.

E. L. Anthony, dean of agriculture, said: "We regret that we must come to this decision, but there is no way we can possibly handle the people. I'm sure the farm people of Michigan will understand that we expect to resume the event just as soon as facilities are available."

The dean stated that every effort would be made for groups which have their annual meetings during Farmers' Week to hold their sessions. It will be necessary to stagger the dates because facilities are even limited for one day meetings.

The Rural Progress Caravan, which will visit every county in lower Michigan between early January and late March, is a partial substitute for Farmers' Week. With the caravan, the agricultural college staff hopes to bring to the farm people at least a portion of Farmers' Week material.

Drying Salt
Use the pilot light on the gas stove to keep salt dry in damp weather. Set the salt container near the pilot light before going to bed at night and the salt will dry out for the next day. On the other hand, the salt container may be set in the oven after using it. The warmth that remains in the oven will dry out the salt after the oven is turned off.

Farm Residents Drown
Nearly half of each year's drowning victims live in rural areas—and nearly 50 per cent of farm residents who drown were non-swimmers. This information was brought out in a survey conducted in Minnesota.

AMERICAN ROYAL GRAND CHAMPION STEER



KANSAS CITY, MO. — Jack Hoffman, 15-year-old 104 Grove, Iowa, 4-H Club boy and his 1,212 pound Hereford steer, T O Pride, which Dean H. H. Kildee of Iowa State College selected as Grand Champion over 1,100 others of all breeds at the American Royal Livestock Show, the steer's excellent type, smooth thick finish and unusual development of high priced cuts carried him to top honors in the 4-H Steer Show, then to "Grand" of the Junior division, and finally to supremacy over the three breed champions in the Open Show. T O Pride was purchased a year ago weighing 450 pounds and sold during the American Royal to the Williams Meat Company of Kansas City, Kansas. The machine was sold for \$350 per pound. Jack Hoffman, Jack's father, holds the record price for a carload of fat steers, also Herefords, at \$2.00 per pound. This was Jack's third showing at the Royal, and his success proves the wisdom of "If at first you don't succeed, try, try again."

Engineers May Have Solution To Frost Prevention

Radiant infrared heat may be the answer to economical frost damage prevention on small acreages of high value crops. An oil burning heater, operating at a cost of 75 cents per hour, has been successfully developed and tested at Michigan State College.

The machine was designed and perfected by Arthur W. Farrell, head of the section of agricultural engineering, assisted by W. H. Sheldon and Clarence Hansen of the staff. In this development the station had the cooperation of the Detroit Edison company and the research committee of the Detroit Board of Commerce.

The test unit held plant temperatures to 37 degrees, while outside the test area the thermometer dropped to 29 degrees. A series of special type aluminum reflectors deflected the heat down against the crop being protected. No figures are available on the cost of this device — whether the parts are assembled and built by the farmer himself or constructed in large numbers by a manufacturer. Costs will depend upon whether it is a small unit for the garden or one intended to cover two or three acres.

The test apparatus, which was mounted on wheels and had other features needed to obtain experimental data, actually cost \$250. It is believed that practical farm units large enough to cover an acre can be built at about one-third of that price. It would be mounted on skids and without special features.

Initial tests were made last spring of an electrically generated infrared heater. In one test, temperatures outside the test area dropped to 22 degrees, but inside the area the infrared rays kept plants at 32 degrees and prevented frost.

Initial investment and power costs for electrically operated heaters, the electrical method would possibly prove too expensive.

Tests, however, convinced Farrell and his associates that infrared radiation was the answer to frost protection. They then sought a cheaper method of producing the energy needed.

Late spring and early fall frosts cost farmers millions of dollars annually. In a few hours a single frost may wipe out a \$500-per-acre berry, fruit, malt, truck, flower or other high value crop.

Such damage is usually caused by temperatures slightly below freezing that occur one or two nights at the beginning or near the end of a crop season. For example, a two-hour frost early on the morning of September 2 this fall, killed many tomatoes and melons in Michigan. The next killing frost did not occur until October 1. Had such equipment been available, some farmers could have saved crops and had another month for them to mature and produce high yields and larger returns.

COUNTY 4-H FORMS POULTRY CULLING TEAM

A team of 4-H club members trained in "poultry culling" work have been doing a good service to farmers in Oakland County this summer.

Last spring these boys and girls attended a poultry culling class conducted by Mr. Otis E. Shear, Poultry Specialist from Michigan State college and learned how to take non-producing birds out of farm flocks.

The culling is done by members of the 4-H club team at a cost of 2 cents a bird to the farmer. The farmer saves, many times, the cost by reducing his food expenses.

Arrangements for securing the services of the poultry cullers can be made through the County Extension Office, 15 1/2 W. Huron Street, Pontiac 14, Michigan, or phone 43911.

The poultry culling team for Oakland County is: Ronald Jackson, 1931 Crooks Rd., Route 6, Pontiac; Bernard Hale, Route 4, Pontiac; Neil Nutter, 2640 Crooks Rd., Route 6, Pontiac; David Strassburg, 3311 Baldwin Rd., Route 4, Pontiac; Jack Healin, Route 2, Northville; Shirley Rhodes, Route 3, Pontiac; Karl Rhodes, Route 3, Pontiac.

Marine Typhus
Marine typhus is a mild type of typhus which occurs even in our own country in the southern states. It is not transmitted from man to man by lice and does not occur as large epidemics. It also has a very much lower fatality rate than epidemic typhus. It is contracted by persons who work in areas where rats abound, and who are bitten by rat fleas.

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COUNTY ABERDEENS ENTERED IN CHICAGO SHOW

Three well known Oakland county Aberdeen-Angus cattle herds will be represented by exhibits at the 1946 International Live Stock Exposition and Horse Show, William E. Scripps, of Lake Orion; A. F. Knoblock, of Clyde; and Howard L. McGregor, of Rochester, have listed entries for the competitors of this breed at the Chicago show which is scheduled for November 30 to December 7 in the International Amphitheater at the Chicago Stock Yards.

According to the management, the entry at the forthcoming "Victory" show is larger than that of its top pre-war editions.

Walter Biggar, internationally known cattleman and judge, of Dubuette, Scotland, has been named to judge all of the individual steer classes at this year's show. It will be the 13th time since 1920 that Biggar has officiated in this capacity.

The famous International Horse Show are placed as a daily entertainment feature.

Meat Prices Must Satisfy Four Groups

The producer, the packer, the retailer and the consumer must all four be satisfied before ideal conditions again exist in the livestock industry. That is the opinion of George A. Brown, veteran head of the animal husbandry department of Michigan State College.

Declaring that prices the first few days after government controls were lifted would not and should not be maintained, Brown said continuation of such prices would result in disaster for the livestock industry.

The producer, he maintains, must receive a sufficient return to maintain adequate production. The wholesaler and retailer must be guaranteed a continuous supply and a reasonable profit. The consumer must be able to fill his needs at a price in keeping with his income.

Referring to the prices existing the first week after controls were removed, Brown said they would cause small consumers, very low income groups, and would cause overproduction. If these prices lasted any length of time they would be followed by ruinously low prices.

Past experience has proved, Brown says, that prices too high to the consumer, or too low to the producer, seriously hamper the industry. "It is up to the good judgment of the farmers and livestock producers of the country to see that neither of these conditions prevail," the animal husbandry department head said.

Brown predicted unstable and fluctuating livestock markets during coming year with the general trend working lower. He believes that unless restraint is used the number of sows bred this fall and the number of steers placed on feed may result in burdensome supplies. That, very much in price, rather than is desirable from the standpoint of all branches of the industry before the end of 1947.

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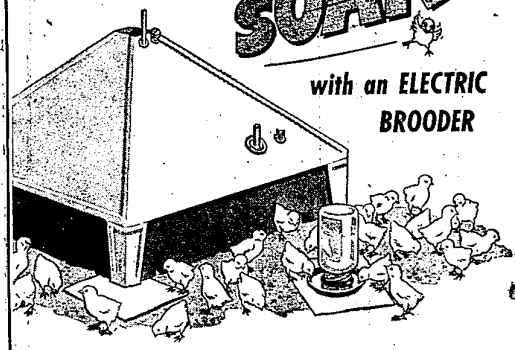
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CHECK-LIST FOR PROGRESSIVE POULTRYMEN

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- ✓ Germicidal Lamps to kill germs, check airborne disease
- ✓ Electric Water Pumps to save back-breaking labor
- ✓ Vent Warmers keeps chicks' water at the right temperature
- ✓ Ventilators to eliminate dangerous drafts
- ✓ De-Beckers to check danger of cannibalism
- ✓ Sun Lamps for increased health and hardiness
- ✓ Electric Light increase hens' work-hours and production
- ✓ Egg Graders and Conifers fast, accurate and automatic
- ✓ Poultry Pickers another time and money saver

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