

## Unusual Research Team Produced Accurate Reconstruction of Steer

An unusual research team, made up of veterinarians, sculptors, animal nutritionists and artists, conducted a series of unique studies to make the interior displays of "The Champ" faithfully accurate and educational.

"The Champ" is the giant life-like plastic Hereford steer mounted on a 34-foot trailer which will be on display at the Guernsey Breeders Sale Pavilion and Lancaster Union Stock Yards. It was made by the Ralston Purina Company and is touring the country to promote a better understanding of the cattleman's business of producing beef for our nation's people.

Visitors who walk through the giant steer's body see replicas of vital organs at work making beef, producing milk, and developing an unborn calf from a 30-

day to a nine-month embryo.

Artists and sculptors who were called on to create these remarkable displays had little knowledge of animal physiology and nutrition. Purina demanded the utmost accuracy and authenticity in all the displays.

To capture a faithful reproduction of vital organs and physiological processes, beef and dairy animals were sacrificed to the studies. Purina veterinarians dissected the carcasses of these animals while artists and sculptors observed and made sketches. Color photos were made of each study for reference.

Cows carrying unborn calves in different stages of development were sacrificed and dissected while artists and sculptors watched. Nutritionists explained the role of feeds and roughages in the making of beef and milk. During the actual construction of "The Champ," an eminent veterinarian furnished continuing technical advice to the builders.

Unique construction methods were used by the Gardner Display Company of Chicago in building "The Champ."

First of all, a 29-inch clay model of a champion-type Hereford steer was sculptured by Purina's animal artist, Eugene Hoy. To capture faithful details of body conformation, Hoy spent several weeks visiting the leading livestock shows of the country to study the grand champion animals. He made sketches from all angles. In reconstructing the underpart of the neck and head, Hoy would make water color sketches while lying on his back.

### PASTURES

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**FRED FREY**  
QUARRYVILLE, PA.  
ST 6-2235

## Farm Calendar

**Saturday**  
Invitational barbecue — Lancaster Poultry Center

**Monday**  
Chicken of Tomorrow Judging—Producers Cooperative Exchange, Coatesville.

New Holland Community 4-H Club — 8 p. m., at home of Ellis Mentzer, R2 New Holland.

4-H County Council — 8 p. m., at Lancaster Post Office Building

**Tuesday**  
4-H Farm and Home Electric Club Roundup — 8 p. m., Griest Building, Lancaster.

State judging of Chicken of Tomorrow Contest—Farm Show Building, Harrisburg.

Kirkwood Community 4-H Club — 8 p. m. at Odd Fellows Hall.

Egg Quality and Marketing Panel — 7:45 p. m. at R. W. Sauder plant, Lititz.

**Wednesday**  
4-H Guernsey Club — 8 p. m. at Farm Bureau Cooperative, Dillersville Road, Lancaster.

**Thursday**  
Lititz-Manheim Community 4-H Club — 8 p. m. at home of Clayton Sangrey, R2 Lititz  
Senior Extension Club — 8:30 p. m. at WGAL-TV, Lincoln Highway West, Lancaster

**Friday, May 10**  
Boot and Saddles 4-H Horse and Pony Club — 8 p. m. at the home of Robert Benkley, Blue Ball

County-Wide 4-H leaders training meeting — 8 p. m. at the Farm Bureau Cooperative, Dillersville Road, Lancaster.

From this clay model the Gardner Display Company made a plaster cast. This plaster cast was then sliced into pieces, like a loaf of bread. Each piece was projected by a lighting process onto huge strips of tracing material

From these tracings, each piece was constructed in wood in its actual size, and the pieces were put together. This skeleton was blanketed with one-quarter inch mesh wire, then burlap, and the entire structure was covered with modeling clay, making a huge clay model of The Champ in his actual size. The job exhausted the entire supply of modeling clay that was available in the United States at the time

From this clay model another plaster cast was made. This giant cast was used as the model for the final structural material. The plastic material used is the same that is used by car manufacturers in building special sport cars. Actual construction of "The Champ" was carried on in a 2½-story pavilion.

These studies of an unusual research team — veterinarians, sculptors, animal nutritionists and artists — laid the groundwork for the interior displays of "The Champ," which are undoubtedly the most authentic educational displays of their kind in existence.

## Voice of Lancaster Farms

Samuel V. Fletcher,  
R1 Cochranville

Sir: We are very pleased with your paper "Lancaster Farming." It is a very informative, helpful and interesting publication.

As a farmer, particularly poultry farming, we find it invaluable. The marketing news and market reports are especially helpful.

Then too, we have found through your advertisements some materials and products which we needed, but did not know where to purchase.

Need more be added? Indeed, the cooking recipes are eagerly scanned and filed and so many of these receipts of good Lancaster County and neighboring county cooks have been tried with delicious results.

I wish to thank the people that sent me some clothes for the poor families. If there are any more people that have anything, they can send them to me.

I fix a lot that I get, and I thank you folks of the Lancaster Farming paper.

Violet Preston  
621 East Lincoln Hwp.  
Coatesville, Pa.

## D. K. Myers New Ag Chem Head At Harrisburg

Promotion of Delmar K. Myers, 414 Berryhill Rd., Harrisburg, formerly of DuBois, from chief chemist to Acting Chemistry Director in the Bureau of Foods and Chemistry was announced Friday by State Secretary of Agriculture William L. Henning.

Myers became head chemist in July 1952 and chief chemist in September 1955. Previously he had served for nine years as an assistant professor of chemistry at the Pennsylvania State University and worked also in a pharmaceutical plant during the early stages of commercial production of sulfa drugs.

He was graduated from Penn State in 1937 with a bachelor of science degree in chemistry, obtaining the bachelor of arts degree in 1941 and his master's degree in science in 1948.

As acting director he will supervise the administration of more than 30 laws dealing with the manufacture, distribution and sale of food and food products and materials used for agricultural purposes, including feeds and fertilizers.

### SUBSCRIBER'S SAY:

Mr. and Mrs. M. L. Ritchie  
Lincoln University

To the Lancaster Farming: Enclosed is money for a subscription to your wonderful little paper. I like the pages for the Farm Wife and Family, and I have used several recipes with good results. I hope we can have your paper for a long time.

Chester L. Haldeman,  
R3 Ephrata

I was raised on a 200 acre farm, and I like this farm paper very much.

## Sales Dates

Sat., May 4—By William K. Huneisen along route 897 between Blainsport and Cocalico. Real Estate, Building lots, household goods and tools.

Sat., May 4—By E. Wingencoth between Ephrata and Reamstown (Wingencoths Meadows). Hay, corn, tobacco lath, and personal property.

Sat., May 11—By Lillian Miller Hopeland. Lot household goods and antiques.

Sat., May 11—The Hallie Brendle collection of antiques and household goods. Along Route 897 from Swartzville to Turnpike entrance just north of Turnpike.

Sat., May 25—By Mary Leisey Ex. of the Emma Walters Est. in Mt. Airy. Real Estate, Household goods and antiques.

## Small Fruits Course Offered By Penn State

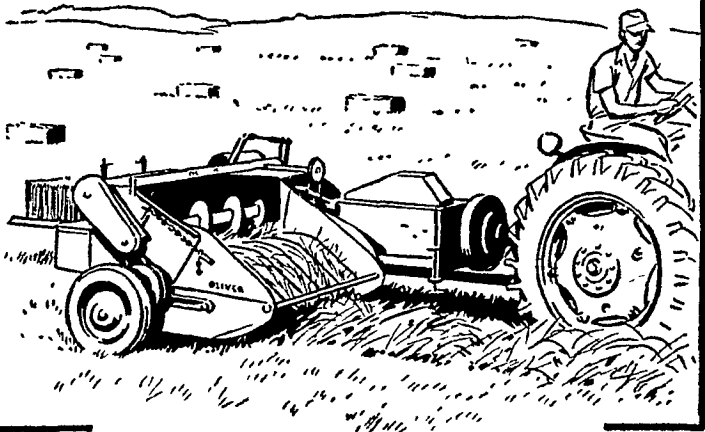
A course of study in Small Fruits is now available by correspondence from the Pennsylvania State University, announces Associate County Agent Harry Sloat.

It covers the production and marketing of strawberries and raspberries, blackberries and blueberries, currants and gooseberries, and grapes. Included also is pruning disease and insect control, harvesting, packing, and shipping.

Small fruits is one of many courses in agriculture and home economics offered without charge to residents of Pennsylvania. See your local county agent or write to Correspondence Courses in Agriculture, University Park, Pennsylvania, for a catalogue.

## OLIVER 60 BALER

New All-Around Tonnage Champ with "Pivot-Balanced" Drive



Match this new Oliver 60 with any other machine in your small, rough, patch-pattern fields. There's where it gobbles up the windrows, bales up to 10 tons per hour as easily as on the straightaway.

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Here's the baler with everything—speed-matched units that save leaves—swinging drawbar for safe transport...over-running clutch (extra)...protected knotters. The twine can is weatherproof; shafts are splined to prolong life. Adjusting bale length is quick and easy—12 to 50 inches. Engine model available.



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