

● **Young Farmers**  
(Continued from Page 1)

both from the same parent stock. They were obtained simply by selecting each generation to conform to what they wanted.

Morgan said that up to 150 pounds of gain the lean and the fat type swine gain rate is about the same. But after that you see the change. He also noted that some animals have the inbred characteristics to stop eating when they get full and others lay at the trough all day.

Other swine research has been done on artificial insemination and regulation of heat cycles. He reported the latter had a lot of promise.

The group saw a few of the famous Beltsville turkeys. At present they are being used to research the effects of skin grafting. And also, the hatchability of turkey eggs is under study.

In poultry research, Morgan believes we have gone as far as possible on the present strains and they are now trying crosses with wild birds to find the good traits that can be developed.

They are also doing egg laying research and feed conversion trials on broilers.

On the dairy farm part of the over 10,000 acre experimental center, the Manheim farmers were introduced to the cows in the reproduction chambers. Here they are doing research on animal habits and feed conversion. The cows look like they would not like to be cooped up in the chambers but the researchers say they fight to get in because of the 68 degree air conditioning temperature. One cow in the chamber put out 9,000 pounds of milk in 90 days to prove she is well adapted to the test chambers.

Other research projects at the dairy farm are fly control, freeze branding and crossbreeding. The crossbreeding phase is being discontinued however, because the first generation of crossbreed came into production with a great increase over the parents. But in subsequent generations the crossbreed's production went below both breed averages.

They did try to breed into dairy animals the characteristic for heat resistance, but found they lost production. So, they have decided it's cheaper to air condition your barn.

The USDA Research herd average is over 17,000 lbs of milk and 735 lbs of butterfat. They have top cows producing up to 25,000 pounds of milk as two-year-olds even while being used for research projects.

In the afternoon the local group was met by another staff specialist, Harley Daniel who conducted a tour of the fields.

They have developed tough kinned tomatoes that can be picked with machinery. Also, research is being done for pear blight, apple nutrition, and vegetable crosses.

Daniel humorously told of crossing a radish with a cabbage to get a plant with a radish root and cabbage head. He said it worked for the Russians but for us; a cabbage root and a radish top.

The Agricultural Research Center is 15 miles northeast of Washington, D.C. It occupies two tracts on opposite sides of the Washington-Baltimore Boulevard (U.S. Highway 1). On the northwest side of the highway is the Plant Industry Station. About 1 mile northeast of the Plant Industry Station, on the east side of the highway, is the entrance to the larger tract (the Center), site of many activities of the Agricultural Research Center.

The land is divided into experimental pastures, orchards, gardens, fields for cultivated

crops, timber stands, and soil-treatment plots.

Many of the buildings on the center are specially equipped for research. Others provide office, laboratory, and shop space.

About 2,400 workers are employed on the Agricultural Research Center. Half of the workers are scientists; half are sub-professionals, clerical, farm, or maintenance workers.

Kept on the Agricultural Research Center are nearly 3,000 farm animals — beef and dairy cattle, hogs, and sheep — as well as 11,000 chickens and turkeys and 3,500 small animals used in laboratory tests.

Those going on the tour included the following:

J. LeRoy Esbenshade, Jim Keener, Steve Keener, Clarence Keener Jr., Lloyd D. Esbenshade, Wilmer D. Esbenshade, Ray Bru-

**Penna. Price Level Advances**

Increasing price for most all commodities except grains and hay pushed the July Index of Prices Received by Pennsylvania Farmers up 12 points (5 percent) according to the Pennsylvania Crop Reporting Service.

The index of prices received

baker, Jeff Brubaker, Glenn Brubaker Jr., Glenn S. Brubaker, Raymond S. Brubaker, Parker Meck, Daniel H. Rohrer Jr., Jay H. Rohrer, Harold O. Shearer, F. F. Longenecker, Eugene G. Hoover, Paul B. Kline, Ronald Kline, Preston W. Newcomer, John R. Todd, Donald L. Hershey, Mervin Sauder, Jesse G. Balmer, Jesse L. Balmer, John E. Hess, Dennis Hess, Carl Siegrist, Jess R. Erway, Bob Gregory and Frank Campbell.



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for livestock and livestock products was up 4 percent with increases for most products in the index. Meat animals registered a 1 percent gain, as a result of a \$1.00 rise in hog prices and a 20 cent rise in steer and heifer prices. Slaughter cows and sheep were unchanged, at \$18.40 and \$7.00 respectively, while calves and lambs were both off a dollar, to \$32.60 and \$24.50 respectively.

All grain and hay prices were lower, with barley showing the largest drop. The mid-July price of 78 cents was 14 cents below the previous month. Corn at \$1.16 was 3 cents under a month earlier. Wheat at \$1.11 was down 11 cents; oats at 78 cents; rye at 95 cents and soybeans at \$2.40 were all down 5 cents from a month earlier. The preliminary estimate of July milk price at \$5.80 is up 25 cents from June. Egg prices were up 3 cents to 36 cents while all other poultry prices remained unchanged.

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