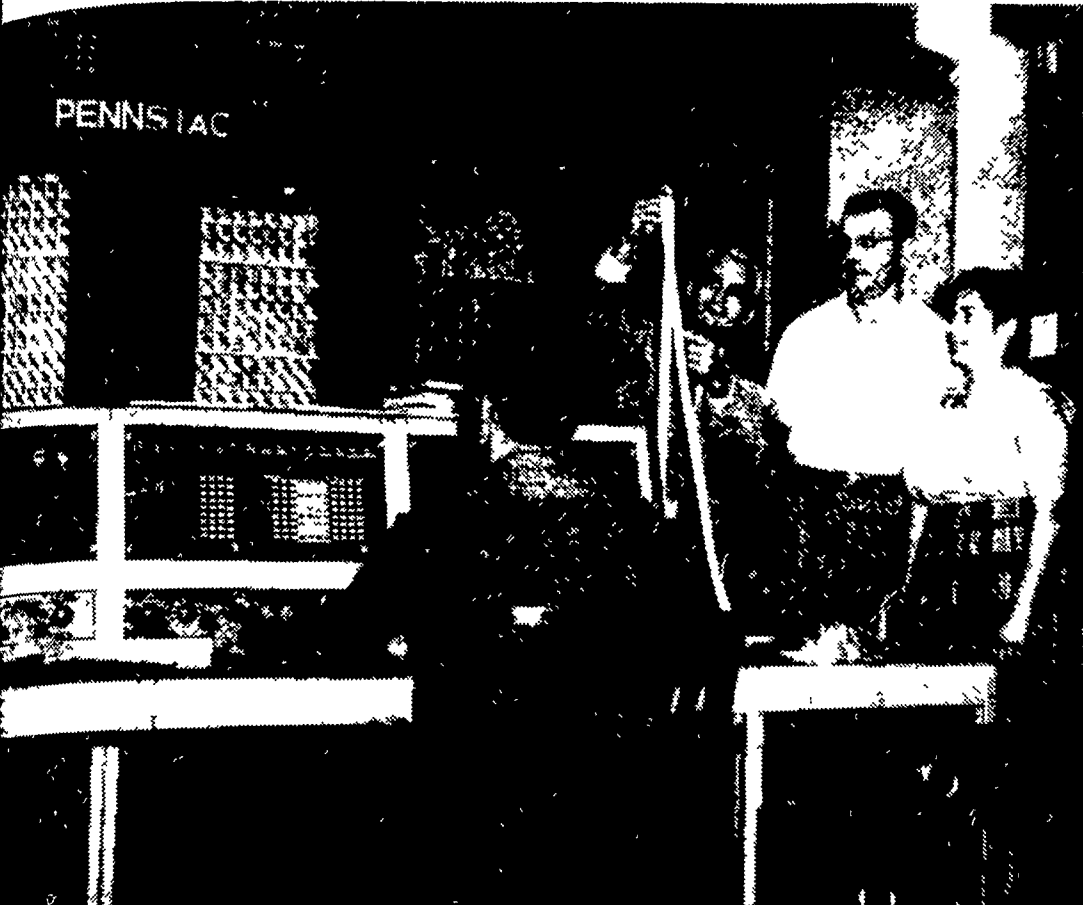


Lancaster Farming

NOV O 34

Lancaster, Pa., Saturday, July 16, 1960

\$2 Per Year



LOOKING OVER THE TAPE containing all the farm records furnished by John Gehman of Barto, Montgomery County are standing, left to right James Becker, extension farm management specialist at the Pennsylvania State University, Gehman, and Mrs. Gehman. Seated in the foreground with back to camera is the operator of PENNSTAC, the electronic computer constructed by the University. Gehman's farm records, including all the resources at his command, have been transferred to the tape by means of holes punched in the tape. The "machine" considers all possible activities Gehman might undertake with resources at hand and comes up with the combination of activities calculated to bring the highest return. The machine handled more operations in less than five minutes than a secretary at the University did with a manual calculator in eight weeks.

L. F. Photo

Ag Reporters Get Look At Linear Programming

Linear Programming is one of the newer terms to be getting a large share of the new-term spotlight in agricultural circles recently. But just what is Linear Programming?

This was one of the questions in the minds of many of the members of the Pennsylvania Agricultural Reporters Association this week as they held their first summer conference on the campus of the Pennsylvania State University and were introduced to the work in the field of Linear Programming as carried on by the Agricultural Economics department at the University. "Simply explained, Linear Programming is a method by which a farmer can set goals, begin with his resources, and plot a route through alternative plans to reach those goals," R. James Becker, extension farm management specialist told the group.

Linear Programming, or Activity Analysis as Becker prefers to call the program, is just that, but the explanation is so over-simplified that it tells very little about

the program. Robert Best, former editor of Lancaster Farming and president of PARA introduced Robert F. Hutton, Agricultural Experiment Station researcher, who explained the basis of Linear Programming.

Hutton told the Para members that researchers must first learn from the farmer what he has set as his goal. "This is sometimes the first stumbling block in the program," he said. Some farmers are looking for the maximum capital return from the farming operation while others might be looking for the least labor requirement to produce a predetermined income.

After the goal has been determined, the resources must be listed. "The list would include such things as land, labor, buildings, capital, livestock, and man-

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SCD Makes Plans To Revive County Plowing Contest

July 29 has been selected as the date for the revival of the Lancaster County Plowing contest, according to Henry Givler, secretary-treasurer of the county Soil Conservation District.

The program will be a revival of the now defunct county contest last held in conjunction with the Mount Joy Farm Show.

Sponsored by the county Soil Conservation District

4-H's Present Demonstrations

Lancaster county will be represented by 16 4-H club members in the first district demonstration contest at the Kutztown Fairgrounds on July 19.

Winners in the competition at Kutztown will own the right to enter the State contests at State College next month.

The Garden Spot county will have teams of two in eight different contests. They will include the following: Dairy demonstration, James Brubaker, Lititz R1 and

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Directors, the contest this year will feature only level land plowing on the R. S. Royer farm at Ephrata R2. Rain date for the contest is August 2 at 10 a.m.

In other business at its regular meeting on Monday night, the SCD appointed Henry Givler secretary-treasurer to fill the unexpired term of Wayne Rentschler, who has accepted a position of teacher of vocational agriculture at Kutztown High School.

Givler, the representative to the SCD board of directors from the county FFA and association of vocational agriculture teachers, is at present teaching in the Pequea Valley High School and advisor of the FFA chapter at the school.

County Commissioner, Richard Witmer, presented a letter of commendation to Rentschler for his part in promoting conservation in the Garden Spot County. The directors expressed their appreciation for the service rendered by Rentschler as secretary-treasurer during the years the district has functioned and presented a

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FIVE - DAY WEATHER FORECAST

Saturday - Wednesday
Temperatures during the next five days will average about four degrees below the normals of 66 at night and 87 in the afternoon. A little warmer Saturday with cooling Sunday and warming again about Wednesday is expected. Rainfall will average less than 1/2 inch in the few scattered showers likely on Saturday. The 2 1/2 inches of rain on Thursday brought the July total to 3.6 inches. The normal total for July is 4.37 inches.

Milk Records Misleading Shaffer Tells Dairymen

The cow with the high individual record may not always be the most profitable one in the dairy herd, Harvey Shaffer, extension dairy specialist told the approximately 580 farmers and their families at the Twilight Meeting at the Southeastern Pennsylvania Artificial Breeders Cooperative on Monday night.

The cow with one big record will often sell better in the ring than the real money maker, Shaffer said. One record is often very misleading because there are many factors which do not show up in a single lactation record.

Shaffer said that there is some work being done to establish "Pounds of milk

per day of life" as the standard in selecting dairy cattle. Even lifetime averages are sometimes misleading, Shaffer said since they do not show the age of the cow at first calving, the interval between calvings or the number of lactations the cow stayed in the herd.

"It takes about 2 1/2 lactations for the average cow to pay the farmer for raising her" Shaffer told the out-door shirtsleeve crowd.

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No Objections To Changes In Egg Grading

HARRISBURG — With no major objections being filed by the July 10 deadline, proposed changes in Pennsylvania Official Standards for Grading and Marketing of Eggs will go into effect on October 11, State Secretary of Agriculture William L. Henning announced today.

Mandatory dating of egg receptacles and registration of dating methods are eliminated in the new standards. Alternative terminology for marking egg cartons containing eggs of edible quality which are not segregated according to official Pennsylvania grades and weights is allowed. The term "unclassified" or other terminology acceptable to the Department may be used.

Consumer grade weight tolerances are to be applied to multi-dozen packages in

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Tobacco Production To Be Cut Recent Estimates Indicate

Production of Pennsylvania seedleaf tobacco is now expected to be 13 per cent less than last year, according to the official forecast of the Pennsylvania Crop Reporting Service this week.

The forecast predicts a crop of 46,500,000 pounds for 1960 as compared to the 53,475,000 pounds last year in spite of the very strong demand for recent crops and a 315 cents per pound average price last year, and growers intentions in March to increase acreage.

March intentions showed Lancaster county farmers pl-

anning to increase 1959 acreage of 31,000 acres to 32,000 this year. Although some late planting is still going on, it is now estimated that only 30,000 acres will be planted.

The weather has been against this year's crop in some way all season. Wet ground in April delayed seeding some beds. Drought during the last week of April reduced germination in some seedbeds. Wet conditions in May encouraged seedling diseases and slowed growth. Delayed corn planting inter-

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FARM CALENDAR

July 18 — 6:30 p.m. - Tomato variety demonstration at the farm of Henry Hesev, Washington Boro R1. Dr. Roy Creech, who replaced Dr. Pollack at the Penna State Univ. will assist J. O. Dutt, extension vegetable specialist.

8:00 p.m. - Meeting of the County 4-H council executive committee at the home of Mary Alice Moore, 2455 Marietta Ave.

8:30 p.m. - Pequea Valley FFA meets in the high school.

July 19 — 9 a.m. - District 4-H demonstration contest at Kutztown.

9 a.m. - Soil Conservation cooperating agencies meet at the Clarence Garber farm, Willow Street R2, to plan the County Soil Conservation field day.

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Solanco FFA Elects Officers

Barry Smith, son of Mr. and Mrs. Harry Smith, New Providence R1, was elected president of the Solanco Chapter of Future Farmers of America at their meeting in the vocational agriculture building on Monday night.

Smith, who will be a senior at Solanco this fall, has a farming program including several thousand broilers each year as well as field crops and guernsey cattle.

Other officers elected were James Herr, Quarryville R2, vice president; William Maule, Quarryville R2 secretary; Glenn Kunkel, New Providence R1, treasurer; Harold Redcay, Quarryville R2, reporter; Donald Ressler, New Providence R1, sentinel, and Richard Carnathan, New Providence R1, chaplain.

Carnathan was also elected as the Solanco chapter representative to the Lancaster County Scoutdoorama on July 23.