



THE MODERN FARMER'S most common uses of LP-Gas are shown in the farm activities sketched above. His private "gas well" (1) is the heart of his operation. From this dependable, trouble-free source he draws either heat or power as needed for the amazing variety of purposes listed below.

Though no other fuel has ever been able to serve in so many different ways, the great modern success of LP-Gas is also due to its economy and its dependability regardless of weather conditions. And—LP-Gas has made modern automatic gas appliances available to any home . . . anywhere.

- 1) LP-Gas Tank
- 2) Pig Brooding
- 3) Truck Power
- 4) Chick Brooding
- 5) Tractor Power
- 6) Flame Cutting
- 7) Heating Stock Water
- 8) Barn Heating
- 9) Crop Drying
- 10) Poultry Scalding and Waxing

- 11) Milk Can Sterilizing
- 12) Irrigation Pumping
- 13) Flame Weeding
- 14) Greenhouse Heating

Other farm uses (not shown)
Hotbed Heating
Tobacco Curing
Fruit Ripening; Singeing
Pasteurizing; Disinfecting

- 15) Farm Home

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Home Heating
Water Heating
Cooking
Refrigeration
Clothes Drying
Incineration
Air Conditioning

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BRANDON, Vt. — The unanimous election of James R. Hackman, Ephrata, to membership in the Ayrshire Breeders' Association has been announced by the National Secretary, Chester C. Putney.

The ancestors of the herd of dairy cows owned by Hackman trace back to the heather-covered hills of County Ayr, Scotland from which the breed derives its name. There are now more than 20,000 herds of Ayrshires in the United States.

Farmers using feeds fortified with animal fats are happy with the rate of gain which results. They also state that the lack of dusting in handling the fat fortified feed results in a saving—both while handling and when it is used from the feeder, further the farmer finds it much more comfortable working with a non-dusting feed.

Experience has shown that during extreme cold weather, better results are secured when a larger self feeder is used as the weight of the feed has a tendency to break any crust that may form.

Stilbestrol Wins

WASHINGTON — (USDA) — Extensive tissue tests by the Food and Drug Administration have confirmed previous findings by State experiment stations that no detectable amount of the hormone-like chemical, stilbestrol, is present in meat from steers fed this substance in fattening rations, the U. S. Department of Agriculture reports. The FDA tests contradict claims made in some quarters that such meat contains enough stilbestrol to render it unsafe for human consumption.

Previous work by a number of State experiment stations and by USDA's Agricultural Research Service at Beltsville, Md, showed that use of stilbestrol can increase the rate and economy of gain in beef cattle without adverse effect on meat quality as measured by usual evaluation methods, including taste-panel tests.

Sensitivity of the tissue-assay method used by the Food and Drug Administration was at least two parts per billion — meaning that the drug could have been detected if present in traces as small as two parts in a billion parts of meat tested. More than 700 mice were used testing the meat samples for estrogenic activity.

The meat tissues tested by FDA came from Beltsville steers fed doses of 10, 30, and 60 milligrams of stilbestrol in their daily rations for periods of three months or longer and ending about 48 hours before slaughter. The larger doses used are three and six times greater than the 10 milligrams daily recommended per steer to promote rapid, economical growth.

These heavy doses of stilbestrol are prohibited in commercial feeding. Furthermore, USDA beef-cattle nutritionists point out that they are less effective than the recommended allowance of 10 milligrams per day.

DIES IN STANDS

MEMPHIS, Tenn. — Just seconds before his 14-year-old son, a junior high halfback, plunged over for a score, R. W. Vallmer, enthusiastically urging his son on, was stricken with a fatal heart attack. Before the game ended, halfback Russell Vollmer raced for another touchdown to win the junior high league's scoring title.

December Price Index Up 4 Points On Pennsylvania Farm Product Sales

HARRISBURG — Price-wise, a welcome Christmas present in the month of December brought a brighter picture to Pennsylvania farmers," according to a Federal-State survey report from the State Department of Agriculture.

As of Dec. 15, the index of prices received by Pennsylvania farmers for their principal products was up 4 points from Nov. 15, standing at 250 per cent of the 1910-14 base level, the survey showed.

The index of prices received for all crops showed an increase of 9 points, most grains and hay making advances. Corn, at 10 cents a bushel higher than a year ago, reflected the relatively poor corn season in the western one-third of Pennsylvania.

The livestock index also increased 2 points and farmers had

a welcome Christmas present in the month of December brought a brighter picture to Pennsylvania farmers," according to a Federal-State survey report from the State Department of Agriculture. Along with a rise of 20 cents a hundred pounds for sheep and lambs, the advance in hogs was more than enough to offset a seasonal decline in cattle and calves.

Hopes of dairy farmers were brightened for the new year as the dairy products index rose 2 points over Nov. 15. Seasonal low production, coupled with low quality roughage, caused a slight decline in the supply with demand holding steady. A 10 cent increase in the average price received by farmers for milk at wholesale compared with the usual November-December drop of 10 cents.

Chicken prices made a slight recovery after four straight months of decline. The December average showed about half a cent a pound increase over November.

Egg prices were unchanged while turkeys averaged one cent higher per pound, liveweight, registering the usual Christmas demand.

There was little change in feed prices during the month except that baled hay advanced 50 cents a ton, alfalfa hay averaging \$36.50 and other hay \$29.00 per ton.

Penn State Faculty Provides Speakers At Farm Show Meets

Five scientists from the Agricultural Experiment Station at the Pennsylvania State University will discuss agricultural research at meetings during the Farm Show.

E. J. Anderson, professor of beekeeping, will speak to the State Beekeepers' Assn. Tuesday and Wednesday. He will report on new uses for honey in candies and recent research on pollination.

William C. Bramble, professor of forestry, will give a research report on Monday to the Pennsylvania Christmas Tree Growers Assn. J. Lupton Mecartney, professor of pomology, will address the Pennsylvania Nut Growers' Assn Thursday on "Research in Nut Culture."

F. G. Merkle, professor of soil technology, speaks Wednesday to the Pennsylvania Cooperation Potato Growers' Assn. on "Potato Fertilization for Pennsylvania."

The Pennsylvania Crop Improvement Assn. will hear Henry R. Fortmann, associate professor of agronomy, discuss "Reliability of Present Day Forage Crop Seed" on Monday.

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