

Fireman Honored



George K. Erisman, of West Orange Street, Lancaster, was honored at a birthday party, given by Zone 5 firemen on Wednesday, Feb. 1. The event, held in the basement of the Quarryville Fire Hall, marked Mr. Erisman's 93rd birthday on Jan. 23. He was given a birthday cake and gifts. He was a member of the original Union Voluntary Fire Co. No. 1 of Lancaster, which went out of existence when the city formed a paid fire department.

"Rabbit Bank" Antibodies to Battle Viruses

Washington, (USDA)—A supply of antibodies for use in research against major virus diseases of crop plants is being built up in the blood of living rabbits by scientists of the U. S. Department of Agriculture and Nebraska Agricultural Experiment Station at Lincoln, Neb., the Department reports.

This new type of blood bank provides a source of antisera (rabbit blood serum containing antibodies) to enable researchers to determine the presence in young plants of such viruses as barley-stripe mosaic, cucumber mosaic, and others that cause heavy losses every year to growers of small grains.

From Plants to Rabbits

In building the bank, Agricultural Research Service serologist Ellen Moorhead and biochemist M. Brake inject virus from the juice of diseased plants into rabbits. The reaction of the animals is similar to that of humans injected with diphtheria toxin-antitoxin or small pox vaccine. They don't get the disease, but antibodies specific for the particular virus injected are built up in the serum portion of their blood.

When an injected rabbit has developed the required antibody level, its blood is drawn off periodically in small quantities and used as needed in the field or laboratory for test of cereal viruses.

Once a stock of antisera has been prepared, the scientists have a method of virus-disease identification that is faster than those now used. It will help speed up the breeding of plants resistant to viruses by enabling breeders to rid their stocks of infected material without waiting for the plants to mature. It is expected also that the bank will aid in closer study of plant viruses, their sources, how they are spread, and their relationship to each other.

Test Tobacco Mosaics

Rabbits in the Irving bank at Lincoln now contain antisera of purified preparations of barley-stripe mosaic and brome-mosaic viruses and several of their strains. The bank also contains antisera of the viruses of potato, tobacco mosaic, elm ring spot, and cucumber mosaic. Although the latter diseases have no connection with cereal-crop viruses, they make useful laboratory tools because of the common characteristics and distinct reactions in the test tube.

Viruses whether in plants or in animals, are made up largely of proteins. Any warm-blooded animal will produce antibodies in response to an injected virus.

Radio and TV industry hits the billion-dollar mark.

HOLSTEINS OWNED BY LOCAL MEN COMPLETE PRODUCTION RECORDS

Announcement has been received from the Holstein-Friesian Association of America of the completion of official production records by registered cows owned by local men.

The complete records are:
John C. Metzler, Christiana—Winding Glen Dunwood Catherine, 21,648 lbs milk, 836 lbs butterfat, milked 2 times daily, 365 days. Average quarts daily 27. Age when record began 6 years 7 months. 2d Winding Glen Dunwood Janet, 21,074 lbs milk, 741 lbs butterfat, milked 2 times daily, 365 days. Average quarts daily 27. Age when record began 5 years 7 months. 3d. Winding Glen Bondsman May, 20,522 lbs. milk, 803 lbs butterfat, milked 2 times daily, 365 days. Average quarts daily: 26. Age when record began 5 years 10 months. 4th: Winding Glen Dunwood Pluto, 16,700 lbs. milk, 620 lbs. butterfat,

Average quarts daily: 21. Age when record began 3 years 1 month.

William A. Reid, Oxford—Lauxmont L. Marjorie, 17,527 lbs milk, 651 lbs butterfat, milked 2 times daily, 302 days. Average quarts daily 27. Age when record began 8 years 8 months.

Levi U. Stoltzfus, Gap—Locus Gap Regal Belle, 10,900 lbs milk, 502 lbs butterfat, milked 2 times daily, 357 days. Average quarts daily 14. Age when record began 2 years 8 months.

Pennsylvania State University supervised the weighing and testing of the milk for this record and it is a part of the Herd Improvement Registry Department of the Holstein-Friesian Association of America in Brattleboro, Vermont.

This program is designed to give an official production record on every cow in the herd every year so that wise selection for increased efficiency can be made.

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Ag Building Now Formally Armsby Hall

Honoring the late Dr. Henry Prentiss Armsby, director of the State University of Pennsylvania agricultural experiment station from 1887 to 1907, the agricultural building on the University Park campus has been renamed Armsby Hall.

Dr. Armsby was dean of the college of agriculture from 1900 to 1904, and director of the institute of animal nutrition from 1907 to 1921.

He died in 1921, and was instrumental in help founding the American Society of Animal Production.

Those that make the best use of their time have none to spare. —Thomas Fuller.

FIVE CRASHES IN ONE.

Norton, Va. — A fire engine, on its way to a house blaze, roared down U.S. Highway 58. Paul Carroll, in a pickup truck, swerved to get out of the way and his truck skidded and dropped 15 feet over a bank. An ambulance, summoned to take Carroll to a hospital, was hit on the left side, by a passenger car as it pulled off. The passenger car blocked the flow of traffic. Then another car skidded into a ditch trying to avoid vehicle No. 3. A fifth car missed the ditch but hit vehicle No. 3. All five vehicles suffered heavy damage, and, in the meantime, the house burned to the ground.

DRIVERLESS AUTOMATION.

Decatur, Ill. — A car without a driver rolled backward and moved diagonally across an intersection, bounced off a traffic island, turned completely around and headed up a railroad embankment, where it stopped, unscratched. Its owner got in and drove off.



THIS LIMIT IS FOR EVERYBODY

15 . . . 25 . . . 35 . . . 50 . . . all speed limits are for everybody.

Today . . . yesterday . . . every day last year . . . drivers, passengers and pedestrians died on our highways simply because speed limit signs were ignored . . . treated with contempt.

Whether you drive an old, low-horsepower car, or the very latest high-powered model . . . whether

your reactions are quick or slow . . . whether you're in your teens, your twenties, thirties, forties, fifties or sixties . . . no matter what your age . . . Pennsylvania's speed limits are intended for your safety. The signs are put there because expert studies have proved they are necessary for safety.

So . . . obey these signs . . . and live longer.

Drive to stay alive



This message in the interest of highway safety is one of a series prepared and disseminated by the Pennsylvania Newspaper Publishers' Association and the Pennsylvania Department of Revenue.

COMMONWEALTH OF PENNSYLVANIA

George M. Leader, Governor



Gerald A. Gleeson, Secretary of Revenue