

held in the basement of the lbs. milk, 620 lbs. butterfat, made. Ouarryville Fire Hall, marked Mr Erisman's 93rd birthday on Jan 23. He was given a birth-day 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 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 labbits by scientists of the U.S. Department of Agriculture and Nebraska Agricultural Experifent 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 blanley-stripe mostle. Mome mosaic, and others that cause heavy losses every year to grow-

ers of small grains. From Plants to Rabbits

In building the bank, Agricul-tural Research Service serologist Ellen Moorhead and brochemist 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 diptheria toxin-anditoxin or small pox vaccine. They don't get the disease, but antibodies specific for the particular virus innected are built up in the serum portion of their blood.

When an ingested 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 ceral virus-

Once a stock of antisera has been prepared, the scientists have a method of virus-disease adentification that as 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 inlected material without waiting for the plants to mature It as 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 living bank at Lincoln now contain antisera of purified preparations of barleytipe fosaic and brome-mosaic viruses and several of their tiains The bank also contains antisera of the viruses of potato \, tobacco mosaic, elm ring spot and everywher mosaic Although the latter diseases have no connection with cereal-crop viruses. they make useful laboratory tools pecause of the r common charicteristics and distinct reactions in the test tube.

Viruses whether in plants or in arimals, are made up largely of Moterris Anv warm-blooded of imal will produce antibodies in response to an injected vinus.

Radio and T^{v7} industry hits the oillion-dollar mark-

HOLSTEINS OWNED BY LOCAL MEN COMPLETE PRODUCTION RECORDS

by local men.

John C. Metzler, 'Christiana— Levi U Stoltzfus, Gap—Locus Gap Regal Belle, 10,900 lbs milk, 502 lbs butterfat, milked 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 14 Age when record began 2 years 8 months Pennsylvania State University supervised the weighing and testing of the milk for this times daily, 365 days Average quarts daily 27 Age when record began 5 years 7 months.

3d. Winding Glen Bondsman May 20 522 the mile 202 the mile 20 May, 20,522 lbs. milk, 803 lbs in Brattleboro, Vermont George K. Erisman, of West butterfat, milked 2 times daily, This program is designed to

Average quarts daily: 21. Age . Lancaster Farming, Friday, February 17, 1956—13 when record began 3 years 1

month William A Reid, Oxford-Announcement has been re- Lauxmont L Marjorie, 17,527 ceived from the Holstein-Friesian Association of America of the milked 2 times daily, 302 days Now Formally Association of America of the completion of official production Average quarts daily 27 Age records by registered cows owned when record began 8 years 8

months. * Levi U Stoltzfus, Gap—Locus ine, 21,648 lbs milk, 836 lbs butterfat, milked butterfat miked 2 times daily, 357 days Average butterfat, miked 2 times daily, quarts daily 14 Age when

George K. Erishian, of West 365 days. Average quarts daily: give an official production American Society of Animal Pro-Orange Street, Lancaster, was 26. Age when record began record on every cow in the herd honored at a birthday party, 5 years 10 months 4th: Wind-every year so that wise selection given by Zone 5 firemen on the Clen Division Division 16 700. wednesday, Feb. 1. The event, ling Glen Dunwood Pluto, 16,700 for increased efficiency can be of their time have none to spare.

Ag Building **Armsby Hall**

Armsby Hall

Dr Armsby was dean of the to 1904, and director of the intitute of animal nutrition from 1907 to 1921

He died in 1921, and was instrumental in help founding the ed diagonally across an intersec-

Those that make the best use 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 Honoring the late Dr Henry hospital, was hit on the left side, Prentiss Armsby, director of the by a passenger car as it pulled State University of Pennsylvania off The passenger car blocked agricultural experiment station the flow of traffic Then another from 1887 to 1907, the agricul- car skidded into a ditch trying to tural Building on the University avoid vehicle No. 3. A fifth car Park campus has been renamed missed the ditch but hit vehicle No. 3 All five vehicles suffered heavy damage, and, in the meancollege of agriculture from 1900 time, the house burned to the ground.

DRIVERLESS AUTOMATION.

Decatur, Ill. - A car without a driver rolled backward and movtion, bounced off a traffic island. turned completely around and owner got in and drove off.



LIMIT IS FOR EVERYBODY

speed limits are for everybody.

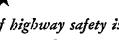
Today . . . yesterday . . . every day last-year . . . drivers, passengers and pedestrians died on our highways simply because speed limit signs were ignored . . . treated with contempt.

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

 $15 \dots 25 \dots 35 \dots 50 \dots all$ 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