## Scientists Are Gaining On **Poultry Leucosis**

ease of poultry.

of the optimism being express- th. ing on leukosis at this labora- search developments by ARS at East Lansing.

ture".

leukosis the costliest of all suggests that a single virus methods. Two means of detect he virus that causes visceral poultry ailments and one of - though it may vary in tion are used; both are based lymphomatosis, the most prethe most complex to solve. Potency - causes the disease Control of leukosis would not in its many forms. Virus from A serum antibody test identibe transmitted from genera-Poultry scientists are be- only drastically reduce losses chickens infected with varying fies some birds that are or tion to generation by infected coming confident that a way - estimated at \$60 million types of leukosis in 22 widely have been, infected and have fertile eggs. The disease can soon will be found to control annually - but the answers dispersed flocks was used to leukosis, the cancer-like dis- provided by poultry smentists inoculate birds of a leukosis- the disease. A virus detection contact between chickens in might also prove beneficial to susceptible line at East Lans- test identifies chickens that the same pen. A comment by poultry patho- those studying cancer in man. ing. The different sources of were infected as embryos — This increased emphasis on logist B. R. Burmester, who The diseases are similar to the virus caused a wide variation or shortly after hatching -- leukosis research might rehas studied leukosis 20 years extent that both can be tumor- in the amount of disease pro- and still carry the virus, but sult in an answer to a question has studied leukosis 20 years extent that both the total and the types of disease and still tarry the viras, but suit in an answer to a question at the ARS Regional Poultry producing and both are chara-duced but the types of disease don't respond to the serum that is perhaps a key to con-Research Laboratory, East cterized by uncontrolled and were similar. Types were also antibody test ARS scientists trolling leukosis. What is re-Lansing, Mich., is indicative rapid cell division and grow-similar to those caused by are making progress toward sponsible for triggering a la-

ing a solution in the near fu- look for controlling the disease promising:

ed: "In all the years of work- Burmester lists several re- lated and studied extensively reliable test for field use.

tory, I have never been as op- and State scientists studying Researchers have found how

Many researchers consider Results of a recent study carrying birds by laboratory mitted. It has been proved that on tissue culture procedures, valent form of leukosis, can produced antibodies against also be transmitted by direct

strains of virus previously iso- the development of a simple, tent infection? The virus will often be present in chickens Much has been learned for a long time, apparently not timistic as I am now concern- leukosis that make the out- to detect affected or virus- about how the virus is trans- causing any trouble. Then something happens, setting off rapid cell growth in one or more organs or systems of the

> Since much basic progress has been made towards an adequate understanding of the complex disease, ARS poultry researchers believe that increased emphasis now on practical control methods will hasten the day when poultrymen can effectively combat

## **County Native** Appointed By Ag Extension

Richard P Lorah, who was graduated at The Pennsylvania State University on June 9 with a bachelor of science degree in agricultural education, has been named to the Cooper-



RICHARD P. LORAH

ative Extension Service staff of the University as assistant county agent, effective June

Dr. Russell E Larson, extension director, announced that Lorah will be assigned to Clearfield county where he will be associated with County Agent Homer Mazer, with offices in the post office building, Clearfield.

Son of Mrs. Floyd G Lorah, 153 E. Main St., Adamstown, Lancaster county, Lorah was reared on a farm, and was graduated from Cocalico Union high school. While in college he was a member of the Poultry Club, the Collegiate Future Farmers of America, the Coaly Society, Agricultural Student Council, and Alpha Tau Alpha, Gamma Sigma Delta, and Alpha Zeta fraterni-

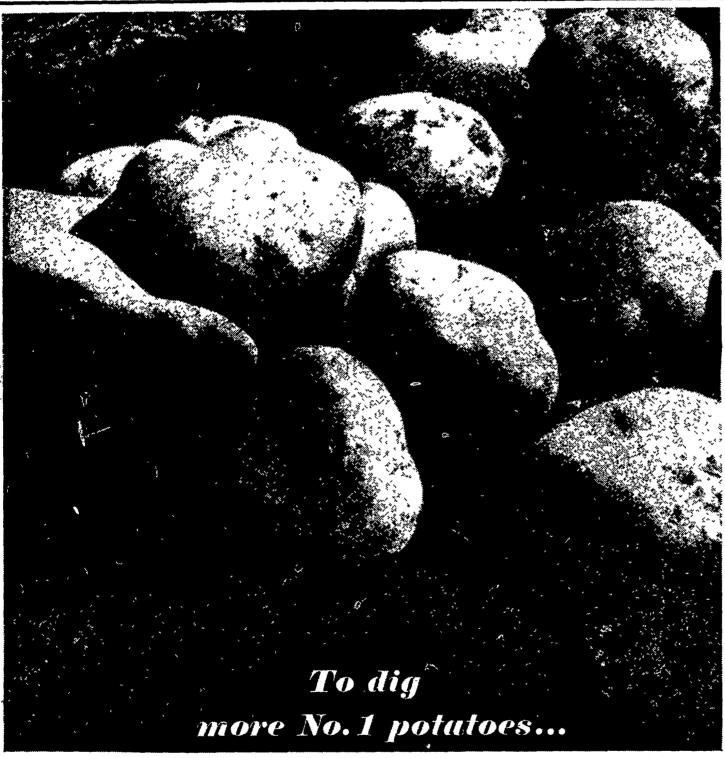
Pennsylvania's commercial pea crop is used entirely for processing Fifty-five percent is frozen and 45 percent is canned. Peas account for 7 percent of the total vegetable acreage and rank fifth in value to growers. The first five counties in order of pea acreage are Yark, Centre. Columbia. Adams, and Potter.



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