

## Agricultural Research Vital To Meet Future Food Demands

Food production in the under developed regions of the world will need to be increased at least 200 to 300 percent by the year 2000 to feed the five billion persons expected to inhabit these countries, Russell E. Larson, dean of the College of Agriculture at Penn State University, declared recently.

Dean Larson said the present outlook is alarming, with food production in undeveloped countries increasing only 54 percent in the last 25 years.

"A basic ingredient in expanding our capacity to meet future needs is agricultural research," the Penn State dean affirmed. "It is estimated that approximately two-thirds of the increased food production will have to come from improved yields on land already under cultivation."

He claimed the population explosion calls for greatly increased numbers of professional agriculturists in industries serving agriculture, in government agencies in international activities, and especially in research and development agencies.

For agricultural research and development alone, 26,000 new scientists will be needed by 1977. Dean Larson stated in referring to a study made by the state agricultural experiment stations and the U.S. Department of Agriculture.

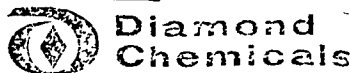
Much of America's present capacity to produce food originates from basic research initiated 25 or more years ago, he



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## Two New Conservation Films Now Available

Two new motion picture films which explain Pennsylvania's water pollution control program are now available for use throughout the state for showings by interested groups.

Titled "The Silent Thief" and "Guardians of a Treasure," the two 15-min films were produced for the State Health Department and the Sanitary Water Board by Calvin DeFrenes Film Corporation of Philadelphia and Kansas City. Both films are 66 mm and are in sound and color.

"The Silent Thief" traces the history of water pollution and pollution control measures in the Commonwealth, while "Guardians of a Treasure" concentrates on what Pennsylvania

is doing about the water pollution problem.

Scenes from most areas in the state showing examples of all types of pollution problems, as well as much of the natural beauty of Pennsylvania's rivers and streams are included in the films. Both films feature the personnel of the State Health Department and other state agencies, plus many of the state's citizens who were filmed in their daily pursuits.

Dr. Thomas W. Georges, Jr., State Secretary of Health and chairman of the Sanitary Water Board, pointed out that the purpose of the films is to tell Pennsylvanians about the state's Clean Streams Program and to call public attention to what is being done and what remains to be done by the citizens and the Commonwealth to control water pollution.

"These films will be of great interest in view of Governor Shafer's conservation message and the constitutional amendment that will be on the primary ballot May 16 for a \$500 million bond issue for water and land reclamation," he said.

"We encourage use of these films by any interested group," Dr. Georges said.

He pointed out that 15 copies of each of the films are available for use by the public and

## NON-RESIDENTS TAKE 10% OF STATE'S BUCKS

Pennsylvania continues to grow in popularity as a hunting state, and some statistics recently compiled by the Game Commission may give a clue as to why. Hunters from other states, particularly deer hunters, are finding their trips to the Commonwealth to be quite successful.

During the past deer season, non-resident hunters took well over ten percent of the bucks harvested in the Keystone State. Of the 58,722 whitetail bucks reported taken in Pennsylvania by hunters, 6,182 were tagged by non-residents. Of this total, 1,675 were spike bucks, while 4,507 had three or more points.

During the regular and late archery seasons non-residents tagged a total of 304 deer. During the regular gunning season, non-residents took 7,320 whitetails with rifles, 72 with shotguns, two with bow and arrow and five with handguns.

Non-residents were most successful in Potter County, where they harvested 508 deer. In Clearfield County, non-residents took 496 whitetails, while 483 were taken by non-residents in McKean County.

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