

# Tele-Lecture Used by Penn State

Tele-lecture facilities recently installed in four College of Agriculture buildings at Penn State enable staff members to employ outstanding speakers from education, business, industry, and government at minimum cost in their courses, conferences, and workshops.

Dr. J. Cordell Hatch, Radio-TV-Audio Aids specialist with the Cooperative Extension Service at the University, explained that the system allows students, faculty, and adult education groups to hear and question a guest lecturer by telephone.

Several speakers can be interconnected by conference call ar-

angement to form a tele-lecture panel. Talent not otherwise available are usually willing to participate in educational programs via telephone.

The equipment used in the tele-lecture system consists of an ordinary phone equipped with a special confidence microphone which eliminates acoustical feedback, an eight terminal jack, and a loudspeaker amplifier equipped with on/off switch and volume control.

This arrangement can amplify both ends or several ends of a telephone conversation. For very large groups, says Dr. Hatch, additional amplification and loudspeakers can be added.

Lancaster County poultrymen recently experienced successful operation of a tele-lecture at the Farm and Home Center. A county agent spoke in California to the local poultrymen on forced molting.

The College of Agriculture tele-lecture system is portable, easy to use, and economical. Equipment is taken into the classroom where special wall jacks are located, plugged in, turned on, and used as an ordinary telephone.

The jacks are connected to the new CCSA (Common Controlled Switch Access) State Government Telephone Network lines. Staff members can direct dial any

number in Pennsylvania and Washington, D.C. without a special long distance charge for each call. The same lines can be used for regular and long-distance calls.

While tele-lecture has been used in a limited way at Penn State the College of Agriculture is the first to install permanent jacks in several buildings and rent the necessary equipment to make tele-lecture an integral part of its educational programs.

Dr. Hatch and Bell Telephone representatives designed and tested the system. Resident Education, Dr. Jerome K. Pasto, associate dean, and the Cooperative Extension Service sponsored the project.

## Good Breakfast Termed Important for Everyone

An adequate morning meal is important for each family member, remind extension food and nutrition specialists of The Pennsylvania State University.

Perhaps the way a family eats breakfast is not conducive to current living patterns.

This means the homemaker may need to evaluate family practices and adjust plans to provide nutritious and adequate food combinations that appeal to all family members.



New tele-lecture system in College of Agriculture at Penn State is used to amplify a telephone discussion between Dr. Jerome K. Pasto, associate dean for resident education, and officials in Harrisburg. Dr. J. Cordell Hatch, Extension Radio-TV-Audio Aids specialist who designed the system, is shown adjusting loudspeaker volume for the listening group.

## County Has Two 1969 Fish Kills

Lancaster County was the scene of two of the state's three fish kills last summer, the State Sanitary Water Board has been told.

Last June 18-19 in Donegal Creek, in East Donegal Township some "3,000 trout, suckers and minnows were killed, caused by a pesticide which was washed by heavy rains into the creek, from an area that had recently been sprayed."

The report said a farmer attempted to spray when the

chance of rain was minimal, "but the weather didn't cooperate."

The other county kill happened four days before, on June 14, when 1,000 fish of all species was killed in Lititz Spring Creek. The cause was not determined.



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