

## Greenhouse Air Pollution Study Scheduled in 1971

A study of the economic effects of air pollution on the greenhouse industry in Southeastern Pennsylvania will be conducted during 1971.

The research study will attempt to identify air pollution injury to greenhouse crops resulting in both quality and quantity losses of output and will relate this air pollution damage to dollar losses in sales.

James Carroll, a graduate student in agricultural economics at Penn State University working through The Center for Air Environment Studies, will be conducting the study for his master's research.

Carroll served as technical

assistant in 1969 on a Statewide Survey of Air Pollution Damage to Vegetation which found air pollution injury at 12 Southeastern Pennsylvania greenhouses.

During October 1970, a questionnaire will be distributed to greenhouse operators in Southeastern Pennsylvania to find out general information concerning individual greenhouse operations and to inquire about past air pollution injury cases.

During 1971 Carroll will make personal visits to many of the growers in the study region and he will investigate reported air pollution injury when it occurs.

Finally, a second questionnaire will be distributed late in 1971 in order to obtain accurate loss estimates for the final research analysis and conclusions.

This air pollution economic effects study will be useful for many purposes including aiding greenhouse growers plan future production to minimize air pol-

## Mercer Antique Show

The 19th Annual Mercer, Pennsylvania Antique Show and Sale, which will encompass the tri-state area and feature prominent dealers exhibiting various objects of antique art, will be held Friday, September 25, from 10 a.m. to 10 p.m. and Saturday, September 26, from 10 a.m. to 9 p.m.

The show is being sponsored by the Mercer Women's Club in the Mercer Area Community Building, Route 158, Mercer-New Wilmington Road.

Mrs. Burchard Porter and Mrs. Richard McDougall, chairmen for the show, report that the two day event will offer an unsurpassed range of quality antiques displayed by knowledgeable dealers from Pennsylvania and surrounding states. The finest antique silver, china, lamps, brass, jewelry, glass, furniture and decorative pieces will be displayed with all items for sale.

lution losses, helping State air pollution control efforts, providing some useful air pollution effect relationships for future research and assisting in the legislation of pollution control and research programs.

## Virus Attacks Tobacco Crop

Tobacco farmers recently were alerted to be on the lookout for a new virus which is hitting the late tobacco crop.

John Yocum, manager of the Penn State Southeastern Field Research Farm, Landisville, estimates that one late crop of Pennbel hit by the virus shows a 51 per cent reduction with 21 per cent of the stalks too damaged to be harvested. Pennbel makes up about 60 per cent of the county crop.

Yocum said several farmers have indicated some virus damage.

Penn State plant pathologists presently are studying some of the local virus damaged plants to determine the nature of the virus. Yocum said efforts will begin next year to develop resistance to the virus.

But at the same time he cautioned farmers not to give up on Pennbel just because of the one virus attack. He explained that the virus may or may not recur next year and Pennbel is resistant to tobacco mosaic and wildfire, which can be equally as damaging as the virus.

One type of plant disease thrives one year and another the next, he explained. This year has been a good year for tobacco viruses.

Yocum also noted that although many tobacco crops in the county apparently were hit by the virus, it didn't come until late in the season and most farmers apparently have been able to harvest the crop before substantial damage could occur. By late this week, most tobacco in Southeastern Pennsylvania had been harvested.

### New Cooperators

New cooperators with the Lancaster County Soil and Water Conservation District this week were John Z. Lauver, 78 acres, Ephrata Township; Paul W. Zimmerman, 106 acres, West Cocalico Township; Walter Augsberger, 184 acres, West Cocalico Township; Catholic Cemeteries, 72 acres, Lancaster Township; Barbara Tossost, 13 acres, Cocalico Township.

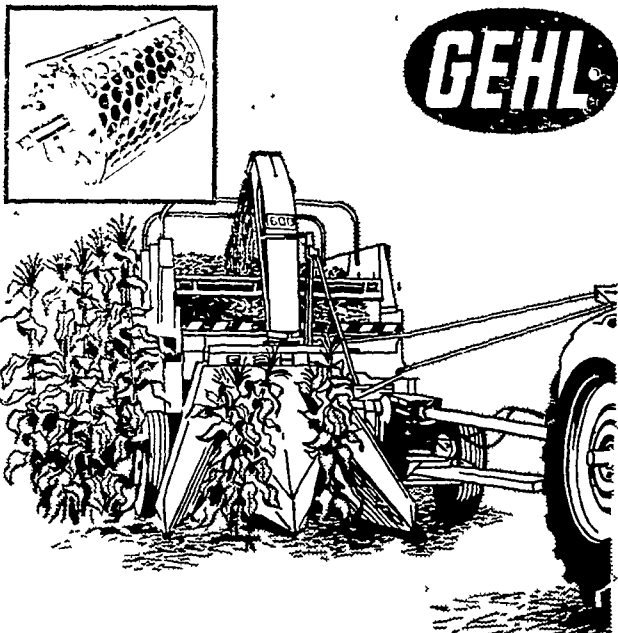
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