

Elizabethtown Future Farmers Honor Parents At Banquet

The Elizabethtown Future Farmers of America held their Parents and Son Banquet last Friday night at the high school. About 70 persons attended.

Honorary Chapter Farmer Degrees were given to two businessmen. They are Warren Alteman, Baum's Bologna Inc., and Milton Hess, Peticcoffer Dodge.

The Star Red Rose Farmer Degree was awarded to Paul Swanger, Star Farmer. James Hiestand and Star Green Hand is Dale Aungst.

In the Foundation Awards, James Hiestand won in Poultry.

Mike Baum, Danny Larry Baum, Livestock, James Kreider, Field Crops and Clair Oberholtzer, Mechanics.

John Kurtz, was awarded the PP & L award and James Kreider, won the Record Keeping Award from the Elizabethtown Office of the Harrisburg National Bank and Trust Co.

Kiwanis Club Trophies went to James Kreider in Corn Growing, Bruce Kauffman, in Tobacco and Clair and Glenn Oberholtzer, in Swine.

The FHA girls served the meal.

Long-Term Herbicide Use In Orchards Safe And Effective

Eight million more bushels of apples and peaches of higher quality can leave the orchards each year if herbicides are used effectively to control weeds, the U.S. Department of Agriculture reports.

Weeds are a continual problem in orchards and a major cause of lowered quality and reduced yields. They rob trees of nutrients and water, harbor insects that migrate onto the trees, and furnish protective cover for mice that chew bark and roots. When weeds are controlled, these problems are controlled too.

In an 8 year research program, horticulturists William V. Welker of USDA's Agricultural Research Service and E. G. Christ of Rutgers — The State University, New Brunswick, N.J., effectively controlled weeds with repeated applications of herbicides year after year. They found that residues did not build up to cause any visible tree in-

jury nor were there adverse effects on the fruits.

In their experiments the scientists controlled crabgrass, foxtail, pigweed, poison ivy, curly dock, plantain, and several other weeds with diuron, simazine, terbacil, dalapon, paraquat, amitrole, diphenamid and dichlobenil. Type of fruit tree and weed population determined the chemical used, and the dilution, rate, and time of its application.

Weeds can also be controlled by mowing or cultivation, but these are expensive practices. They must be repeated often during the growing season and require costly manpower. Also, the machinery often breaks branches, scrapes off bark, and injures roots.

On the other hand, herbicides

are inexpensive and usually need only single annual applications to be effective. The most costly herbicide now recommended by the researchers controls weeds in a 10 by 10 foot plot for about 25 cents a tree, plus the cost of equipment and labor. Other recommended herbicides cost less than a penny a tree a year.

In continuing studies, the researchers will seek selective, broad spectrum, safe herbicides for use in combination with mechanical, ecological, and biological weed control methods. They also will look for ways of improving herbicide effectiveness with herbicide rotation procedures and new chemical combinations and compounds.

Clawed Wings

Hoatzins, strange birds of South America, are hatched with claws on their wings. The birds use the claws as extra legs to climb through tangled under-

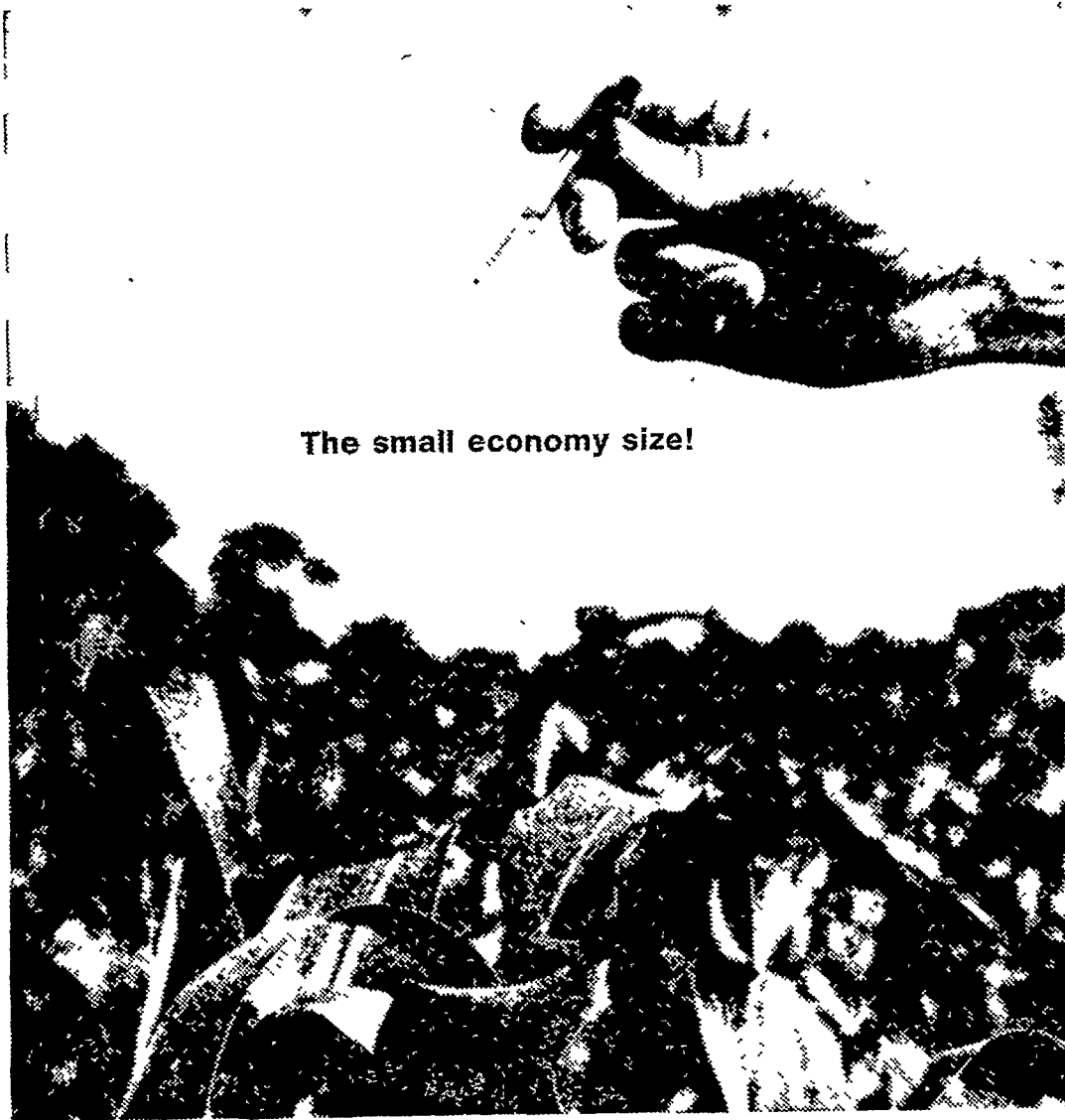
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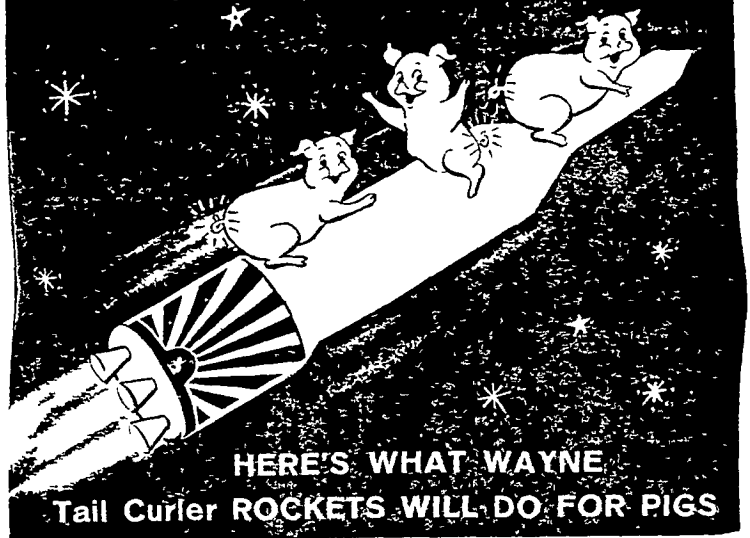
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