

Space Age Technology

(Continued from Page 130)

could mean more profitable agricultural operations with more equitable prices to the consumer.

In the mid-1980's, "International trade of all types will have reached a new high, especially agricultural production and marketing will be widespread as the world seeks to maximize its ability to feed itself."⁽¹⁾

There will be sufficient advances in technology and enough new satellites of improved design to provide sufficient data for an operational crop survey system. In addition, there will be an operational space shuttle and a fleet of high altitude aircraft to gather specialized data.

There will be an increasing use of large-scale data banks, computational capability, and analytical techniques by all sectors of the population, brought on by massive increases in computer power and domestic satellite data transmission. Computer analysis will have progressed so that dynamic modeling of crop production using remotely sensed input will no longer be thought of as an oddity.

Through the 1980's, current techniques need to be further developed and adapted to use the powerful combination of satellite data collection and computer analysis to perform the survey of the following agricultural tasks on a global scale.

- Survey cropland to prepare statistical summaries and production forecasts for major crops.
- Monitor pasture and cropland to detect and assess insect, disease, and stress damage.
- Survey cropland to evaluate current farming practices and classify areas on the basis of productivity.
- Survey and monitor cropland to calculate short- and long-run demand for irrigation water.
- Survey major crops on a global basis to inventory acreage and forecast wheat production.
- Survey pasture and range areas to prepare statistical summaries of forage acreages, calculate supportive capacity for livestock, and assess current grazing practices.

Robeson Elementary announces pumpkin contest results

As part of the 8th annual Pumpkin Growing Contest sponsored by the Twin Valley FFA for elementary students of the Twin Valley District, FFA members judged the pumpkins of Robeson Elementary school students on September 29. Pumpkins were judged in three categories with the winners from each elementary school competing for a grand champion trophy in each category.

Winners in first grade were: Heaviest-1. Chris Zollers, 2. Rebecca Deeds, 3. (tie) Kyle and Kevin McVaugh. Best Decorated-1. Amy Sparr, 2. Rebecca Deeds, 3. Thomas Hafer. Oddest Shape-1. Richard Haddock, 2. Alicia Majeski. Second grade winners were: Heaviest-Stacy Mohr. Best Decorated-1. Wrightley Horne, 2. Stephanie Mattson, 3. Trace Corbett. Oddest Shape-Patricia Taylor. Third grade winners were:

Heaviest-1. Joel Welsh, 2. Susie Burkhart, 3. Tom Morgan. Oddest Shape-1. Michael Tyler, 2. Tom Morgan.

Fourth grade winners were: Oddest shape-Nicole Guzowski. Best Decorated-Karen Brady.

Winners in fifth grade were: Heaviest-Beth Morgan. Oddest Shaped-Beth Morgan.

Winners in sixth grade: Best Decorated-1. Nelson Feick, 2. Jody Seifert. Oddest Shape-Wendy Richards.

The FFA chapter hopes that the contest will help to make students and teachers aware of some of the problems farmers face in producing food, as well as provide an interesting way to encourage students to learn how plants grow.

FFA members who helped judge pumpkins re: Sue Ford, Bill Quillan, Howard Griest, Lewis Kohl, Scott Haddock, and Paul Mohr.

Sweepstakes ended

CHICAGO - Robert Wiegand of Kittanning R5, Pennsylvania, was one of eight U.S. farmers named a winner in International Harvester's national "Red Power Showdown Days" sweepstakes drawing.

Wiegand won a Cadet 81 lawn tractor, featuring an 8 horsepower engine, electric start and 36-inch rotary mower.

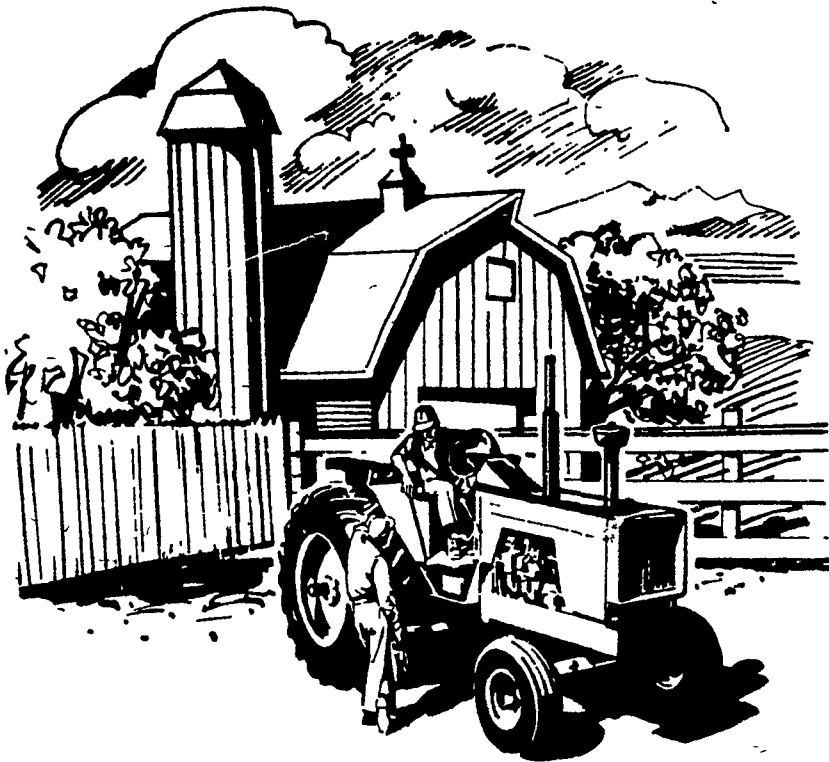
His name was drawn at a special ceremony in the IH exhibit at the Farm Progress Show, Taylorville, Ill., September 27. Grand prize winner, a farmer from Rembert, South Carolina, won a 1586 tractor, the most powerful of the company's Series 86 two-wheel drive models, featuring 161.5 pto horsepower. Other finalists

won two 484 utility tractors and four Cadet 81 tractors.

Wiegand was one of thousands of farmers from across the nation who signed up for the grand prize by attending a local IH dealer "Red Power Showdown Days" demonstration during the months of July and August. Regional drawings were then held to narrow the field to the eight finalists. Finalists also received an all-expense paid trip to the Farm Progress Show.



Farmers Who Need Money To Grow On Come To FARM CREDIT.



Shouldn't somebody extend you a dependable line of credit

based on the investment you already have? Whether you need \$5,000 or \$100,000? How about your management abilities and your earning capacity? Weren't they collateral, too?

We think so. That's why most farmers who want to borrow enough money to really grow come to their

FARM CREDIT SERVICE

They take advantage of the many conveniences and services offered by

FARM CREDIT SERVICE



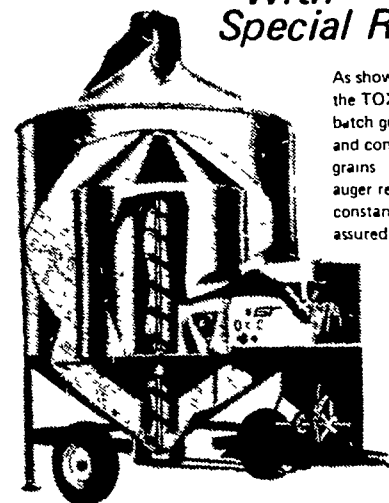
FOR MORE INFORMATION, CONTACT YOUR LOCAL COUNTY OFFICE.



THINK ALL GRAIN DRYERS ARE ABOUT THE SAME?

Take a closer look at **GT** TOX-O-WIK Grain Dryers

With Special Recirculation



As shown in the cut away drawing the TOX-O-WIK recirculating batch grain dryer gives you complete and constant recirculation of all grains. The double agitation and auger recirculation keeps the grain constantly moving so you're always assured of an EVEN moisture

content after drying. For the best in recirculating batch dryers it's the GT TOX-O-WIK. Available in 3 sizes and 5 models (including an all electric model 570E or the completely automatic all electric 570A). There's one tailored to fit every harvest operation.

GT GILMORE & TATGE MFG CO. INC. DEPT 20 DD CLAY CENTER KANSAS 67432

See **GT** Equipment at

ENFIELD EQUIPMENT INC.

Whiteford, Md. 21160 Phone 301-452-5252