

# What's New

## Welding Literature

A condensed, two-color flyer from RegO describes the Model LD Combination Welding and cutting outfit.

Ideal for light-to-medium-duty operations, the Model LD outfit includes a welding torch, universal mixer, three welding tips, cutting attachment, acetylene cutting tip, two-gauge acetylene regulator, two-gauge oxygen regulator and a welding and cutting manual. A deluxe kit also includes a 10-foot dual welding and cutting hose, goggles and round file lighter.

Hobbyists, metal sculptors, schools, garages, body and fender shops, welding and brazing shops, air conditioning and refrigeration services, and pipe welders will find the Model LD combination outfit designed especially to their needs.

The Model LD Equipment can weld steel from 3-32 to 5-16 inch thick, and can cut up to 1/2-inch steel.

Additional tips are available to permit a welding range of .015 to 5-16 inch steel, and cutting steel up to two inches thick.

For more information and a copy of the Model LD flyer, write RegO, Welding Products Division, 4201 West Peterson Avenue, Chicago Illinois 60646.

## FRUIT SPRAY RECORD BOOK AVAILABLE FROM STAUFFER

A fruit spray record book is available from Stauffer Chemical Company designed to provide growers with an organized method of keeping exact records on the timing and content of sprays used in the orchard.

The 28-page "Stauffer Fruit Spray Record Book" also details the use of Captain and Folpet fungicide and Imidan insecticide. All three chemicals work well in integrated pest management and are easy on beneficial insects and mites.

Special consideration is given to the control of apple scab, a perennial orchard problem. Tables show the number of days required for scab to appear after inoculation and a correlation chart helps determine the effects of temperature and length of wet period on the disease. Other fruit diseases are also discussed.

Stauffer booklet No. A-10655, is available from Stauffer Chemical Company, Ken Powers, Agricultural Chemical Division, Westport, Conn. 06880.

**READ LANCASTER FARMING**

## FREY FREE STALL LIFETIME FREE STALL HOUSING



Cut bedding costs 75 per cent, reduce labor for barn cleaning and cow washing; reduce teat and udder injury to the minimum — house your milking herd in free stall housing. Each cow provided a stall for loafing. She won't be stepped on, the rear curb forces manure out into alley for mechanical cleaning or washing. A few minutes twice a day cleans the stalls and curbs, bedding lasts almost forever if your stalls fit the cows. Popular sizes are 6'6", 7' and 7'6". Size 'em by breed.

Our free stall partition may be mounted on wooden head boards or we make a steel divider. Set the legs in 8 to 10" concrete curbs to hold and retain bedding. Stall floor can be soil, sand or gravel. Bedding — straw, sawdust, peanut hulls, ground corn cobs, etc. Should be installed with paved alley surface 8 feet wide for mechanical cleaning or washing.

- 8 Models all steel welded farm and feedlot gates  
- 2 Models all steel welded head catch gate

For prices, contact: Fred Frey, Mgr.

(717) 786-2146

**FREY BROS.**

R.D. 2

Quarryville, Penna 17566

# The Silent Sentinels Of Modern Farming

Most everyone is now familiar with the science of solid-state electronics. Transistor radios and TV sets are just a couple of its applications found in many homes.

Presently, an era of electronics is dawning in agriculture. More and more uses are being incorporated into the building of farm machinery and other phases of modern agriculture.

Such "Silent Sentinels of Modern Farming" are complementing and improving the care and efficiency traditionally exercised by farmers to increase their productivity of food and fiber.

These silent sentinels may not have the nostalgic glamor of the traditional agricultural guardians, but the growing roles they are beginning to play are just as important.

They don't have the pastoral beauty of a young Colonial "cowkeep" equipped with horn, moving all of the cows of an entire town back and forth daily to community pasture.

Or the legendary romanti-



Tiny solid-state module (inset) is the electronic heart of the "silent sentinel" of modern forage harvester.

cism of a cowboy and horse slowly moving beneath a starry sky around a huge herd of cattle.

Today's electronic guardians are inconspicuously hidden within the complex machinery of sophisticated modern farm equipment. Silently they keep a constant vigil, reacting in a fraction of the time it would take a human to perform the same task—if they could.

Consider how a human might try to handle the fol-

lowing situation.

A farmer is moving through a field, utilizing a forage harvester to make haylage for winter feeding. Unknown to him, a broken rake tooth lies hidden in the windrow ahead. He can't see the foreign piece of metal and even if he might at the last minute, how could he stop the harvester in time?

Now, the combined efforts of Sperry New Holland, farm equipment manufacturer, and the Sperry Research

Center, with an extensive background in space-age electronics, have resulted in a silent sentinel for a forage harvester.

It's called an electronic metal detector, designed to help prevent damage to the harvester and reduce hardware disease in animals.

In just 1/20th of a second, it will detect ferrous metal and shut down the harvester before the metal can damage the machinery or get into the animal feed. That's faster than any human could possibly react.

Or electronics can be found in the monitoring systems of modern combines, like the Sperry New Holland Twin Rotor TR-70. Electronically and automatically 10 different functions of the combine are monitored and the operator is warned of possible operational difficulties.

These are but two examples of the growing importance of electronics in agricultural equipment. There will be many more in years to come.

These are the "silent sentinels of modern farming."



Know Where the Activities Will Be? Read the Farm Women Calendar.



## PRODUCERS OF TROJAN SEED CORN

Trojan Has Produced

**NCGA Winners In Delaware, MD & PA**

**In The Last Three Years**

**NCGA WINNER IN 1975**

**DELAWARE IRRIGATED:**

**1st - ROBERT FITZGERALD 213 Bu. Per Acre**  
Route 1  
Lincoln, DE

**MARYLAND NONIRRIGATED 1973 & 1974**

**1st 1973 - John Myers 157 Bu. Per Acre**  
Westminster

**1st 1974 - John Myers 182.5 Bu. Per Acre**

**2nd 1975 - John Myers 177 Bu. Per Acre**

**PENNSYLVANIA NONIRRIGATED 1974**

**1st - GERALD SHOOP 178 Bu. Per Acre**  
Milton, PA

## FOR CONSISTENT CORN PLANT TROJAN HYBRIDS

For Your Supply of Trojan Hybrid Corn . . . Contact Your Local Trojan Dealer.



**pfizer genetics**

**ATLANTIC DIVISION OFFICE**

2550 KINGSTON RD., YORK, PA 17402 717-757-5973

Trojan Hybrids — A product of Pfizer Genetics Inc.