



Charles Hess, right, a director of the Pennsylvania Master Corn Growers, signs up Ben Wineka as a member during the county corn clinic at the 4-H Center. York farmers have maintained the highest county membership for several years in the group, which encompasses some 300 individual growers and 28 agri-business associates.

York County

(Continued from Page C19)

the heavy soils of the northern end of the county, compared to the looser soils of the panelists from the

south and western parts of the county.

No manure is available for the ground and Huntsberger goes heavy, about 95 percent, on liquid fertilization.

A strict rotation program is maintained, both to add plant-produced soil nutrients and prevent washing on the area's hills.

Currently experimenting with field application of sewage sludge, Huntsberger has reservations about how

MURRAY HILL, N.J. — Custom calling telephone service options provided via local electronic switching systems will become possible in rural communities because of a new remote switching system

designed by Bell Laboratories.

The new system, called the 10A Remote Switching System consists of a local switching unit controlled by a host electronic switching system up to 175 miles away. By using the host's call-processing power, RSS can provide such custom calling features as call forwarding and three-way calling. The system is made economically practical by microprocessor and microelectronic technology advanced at Bell Labs.

The benefits of electronic switching were previously available only in larger towns, suburbs and cities. Now, RSS makes it economically feasible to bring these benefits to areas where individual electronic switchers are less practical. RSS will also provide access to services not available in some older rural switching offices. These include Touch Tone dialing, faster handling of operator-assisted calls, and certain business communication services.

The control circuitry in the remote frame uses MAC-8 microprocessors developed at Bell Labs. Built on a silicon chip less than one-tenth the size of a postage stamp, the MAC-8 microprocessor brings the processing capabilities of a small computer to a wide range of telecommunications equipment.

RSS units can be connected to host switchers by either analog or digital transmission links. A special feature programmed into the RSS enables it to provide basic local service if links to the host are accidentally disabled.

Besides replacing older switching equipment, RSS can be added alongside existing switchers to handle growth or provide custom calling features. It can also be applied in new service areas such as home developments or trailer courts.

Because of its compact size — a frame of equipment three-by-seven feet can serve 1000 lines — RSS will easily fit into small or crowded buildings.

RSS development began in 1976, with most of the work conducted in the Remote Switching System Development Department at Bell Labs' Indian Hill facility in Naperville, Ill. Western Electric's Northern Illinois and Dallas Works are manufacturing the units.

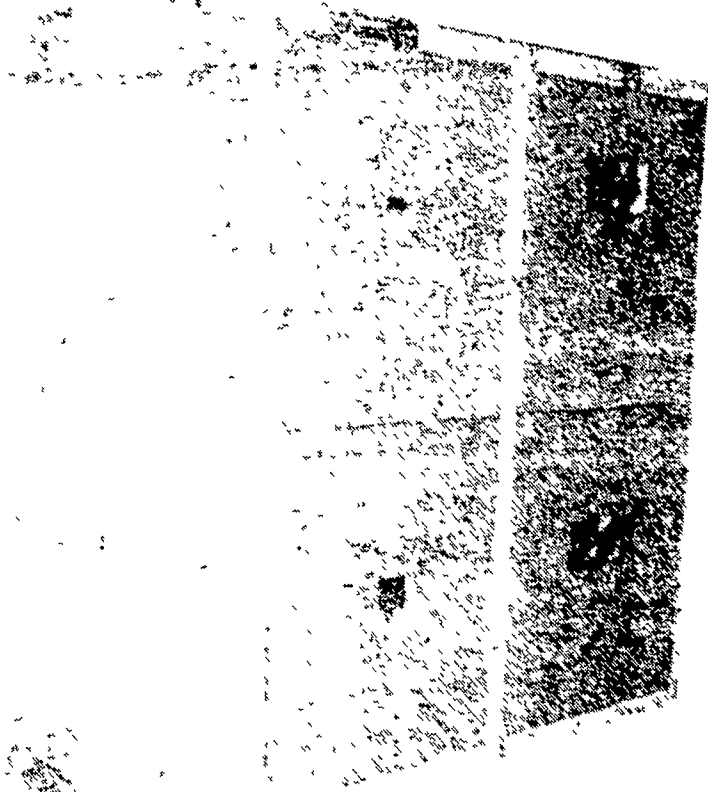
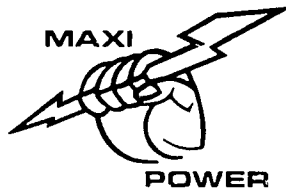
The second RSS is scheduled to be cut into service soon in Neola, Iowa. Its host ESS is located in Council Bluffs, Iowa.

The first RSS was cut into service in Clarksville, N.Y., by the New York Telephone Company on December 8. It is controlled by the No. 1 ESS office in the Albany suburb of Cullerland, 15 miles away.

Systems engineers at Bell Labs estimate that RSS units will be installed at the rate of about 100 per year. Most will go to work in many of the Bell System's nearly 4000 rural community dial offices.

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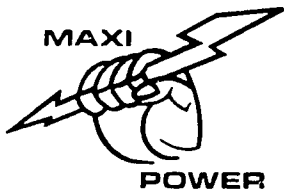
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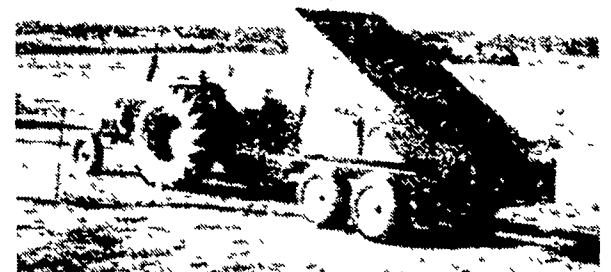
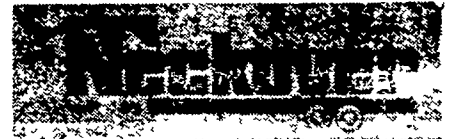
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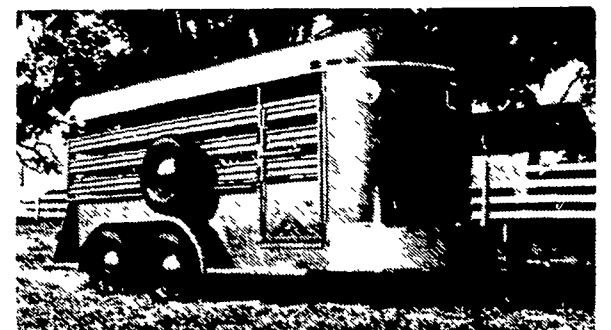


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