

Farm Business News



Russel C. Albright, left, Farm Credit loan officer in West Chester, receives a service award from J. Howard Settle, executive vice president with Baltimore Banks.

Loan officer gets award

WEST CHESTER — Russel C. Albright, executive loan officer with the Southeast Farm Credit Service in the West Chester Branch Office, has been awarded the Baltimore District's Distinguished Service Award.

The district includes the states of Pennsylvania, Delaware, Maryland, Virginia and West Virginia. The Award was presented by J. Howard Settle, executive vice president with the Baltimore Banks at a luncheon

held at the West Chester Golf and Country Club.

Albright, who joined the Bucks County office of Farm Credit in February, 1970, earned a degree in animal husbandry in 1967 from the Delaware Valley College of Science and Agriculture. He transferred to West Chester in the spring of 1978 and resides in Glenmoore. Albright services accounts in northern Chester County.

Nolt bull enters sampling program

PLAIN CITY, OH. — Tri-Town Porter House, a young bull bred by J.Z. Nolt, of Leola, has been acquired by Select Sires, Inc., headquartered at Plain City, Ohio.

Based on his outstanding pedigree, this bull calf has been selected as one of only 110 Holstein bulls from throughout the United States to enter Select Sires' Program for Genetic Advancement (PGA) sire sampling system in 1981.

The dam of this young bull is C Valley Grand Starlite Bea, a Very Good (88) daughter of Roybrook Starlite with two records over 1000 of fat. Her top record, made at five years, three months of age is 28,576 of milk and 1102 of fat.

MGS designs custom turkey hauler

DENVER, Pa. — MGS Trailers, a division of MGS Incorporated, R3, Denver, has constructed a custom-made trailer, a 36-foot gooseneck style turkey hauler, for Lowell R. Koch, of Koch's Turkey Farms and Retail Store, R1, Tamaqua.

The trailer consists of twelve 4-foot x 6-foot cages with rear and side doors on each cage. It is two cages wide and six cages long.

When it is time to load the turkeys, the rear is lifted by hydraulic jacks; the dual wheel axle assembly moves to the front of the trailer; and the rear end is

lowered to the ground. The tailgate is then lowered and used as a ramp for the turkeys to walk up into the cages. As each cage is filled, the door is closed and the next one is used.

When all of the cages are full, the tailgate is raised and latched; the rear is jacked up; and the wheel-axle assembly returns to the rear. The trailer is now ready to be driven away. Upon reaching the slaughter house, the turkeys are removed through the side doors.

Using a trailer like this instead of cramming the birds into regular cages increases the overall yield of grade A turkeys by 30 percent.

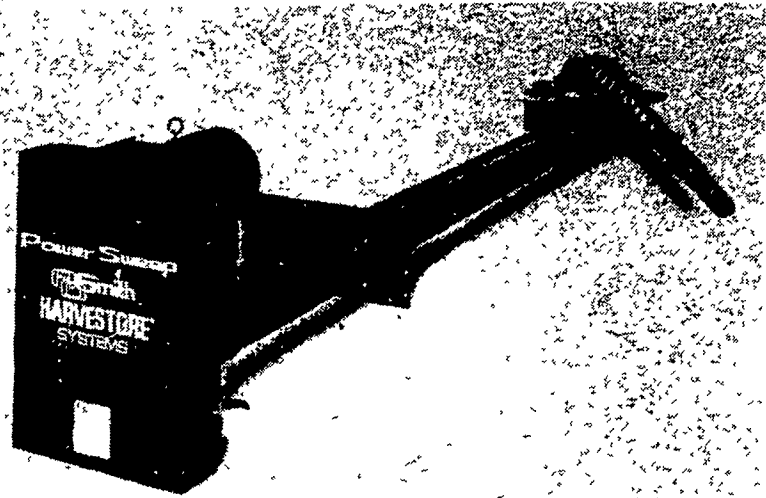
ARLINGTON HEIGHTS, IL. — A new grain unloader specifically designed to handle grain in the 24 to 28 per cent moisture ranges has been introduced by A.O. Smith Harvestore Products, Inc.

The new unloader features a "live" sweep arm which operates constantly throughout the process of unloading grain from oxygen-limiting structures. Company officials believe that the unit will be especially popular in the northeast, where grain is usually harvested above 25 percent moisture.

The product, designated the model PSA 5420 unloader joins a line-up of equipment including the model 51 sweep arm unloader, recommended for grain in 25 percent and lower moisture ranges, and the Spartan unloader, designed for grain in the 28 to 34 percent moisture range.

The model 5420 unloader features a tapered sweep auger with flight pitch and spacing modified at the outer end for positive removal of grain about the structure's periphery. This design

Harvestore introduces wet grain unloader



New grain unloader, introduced by A.O. Smith Harvestore Products, is designed for grain in the 24 to 28 per cent moisture range and features a powered sweep auger arm.

helps to assure uniform draw down of ensiled grain throughout the auger's length. The unloader is available for 20-ft. diameter Harvestore structures.

The unloader's 5 HP motor has a

starting torque of 3 to 400 percent for moving the most balky grain.

The sweep auger is advanced by a reciprocating spring loaded ratchet system driven by the unloader motor.

IH chief addresses energy needs

ORLANDO, Fla. — "The green plant is one of the important answers in the search for viable sources to solve worldwide energy needs," according to Robert J. Potter, International Harvester senior vice president and chief technical officer.

In a keynote address to the American Society of Agricultural Engineers' 1981 Summer Conference here, Potter said, "Con-

sidering that well over 300 trillion kilowatt hours of energy annually is captured by land vegetation, the plant represents a major development opportunity harnessing that energy in forms to benefit the world's population."

One of those opportunities, says Potter and other experts in the agricultural industry, is production of energy from biomass, or the waste produced as a result of agricultural production.

"According to the U.S. Office of Technology Assessment, in the United States alone, as much as 12 to 17 quadrillion BTUs could be produced from biomass sources by the year 2000," Potter noted. This is roughly equivalent to the energy contained in the oil now imported by the U.S., which equals about 20 percent of the nation's total energy consumption.

"This is a remarkable opportunity, when you consider that if 10 percent of the annually produced one hundred billion tons of cellulose were converted to mechanical or electrical power, an average of 500 watts per year would be available to each human being on earth," Potter said. "The use of biomass is the key to improving our agricultural energy balance."

The IH executive noted that energy self-sufficiency can be achieved by taking advantage of and applying new and existing technologies to agricultural practices. However, he cautioned it must be done in such a manner that American farmers easily can adapt the new technology to current farming methods.

Looking ahead at anticipated changes in agricultural equipment, Potter said, "We will see the day when the status of working farm machinery continuously will

be monitored by on-board computer systems. Indeed, high-value produce will be grown in factory farms, in an environment tuned for super-productivity. Technology will allow us to anticipate procedures necessary to avoid failures in agricultural production."

Potter cited the current American development efforts underway to advance agricultural technology.

"The opportunities and challenges before the agricultural community are rapidly expanding. New developments in irrigation practices, photosynthesis enhancement, plant genetics, electronic farm equipment control and alternate energy sources are the birth of a new era of innovation exceeding the one started by Cyrus Hall McCormick," he said.

Potter challenged the engineers and scientists of the ASAE and other professional societies to take the results of their research and development efforts and apply them to immediate and sure solutions in the quest for "More Production - Less Consumption," the theme of the 1981 ASAE meeting.

"Today's equipment and agricultural practices have made the American farmer the undisputed leader in world agricultural production," Potter concluded. "The tremendous increase in productivity is the result of the wise application of basic research, smart engineering and new technologies. We must continue this process to improve and accelerate the ability of agriculture to feed the world and help man prosper on this planet. We must harvest a new era in agriculture."

Penn State gets tobacco grant

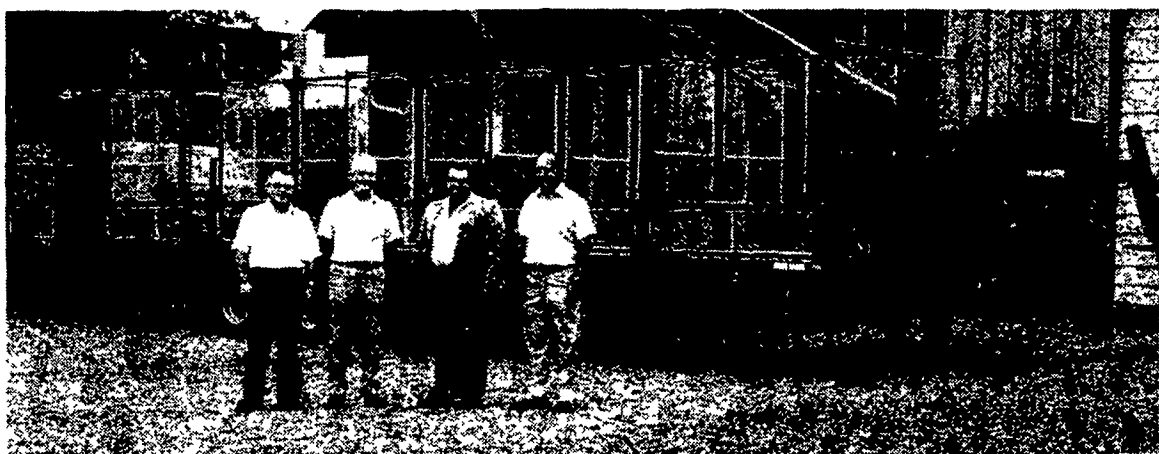
LANDISVILLE — R.J. Reynolds Tobacco Company has presented the Pennsylvania State University with a grant of \$8,700 for tobacco production research.

The money will be used to develop improved Pennsylvania tobacco varieties and to study the effects of animal manure as a fertilizer material on the quality of tobacco.

A.R. Mitchem, Agricultural Research Coordinator for Reynolds Tobacco, presented the check to John Yocum, superintendent of the Southeastern Field

Research Laboratory at Landisville.

Since 1979, R.J. Reynolds Tobacco grants to Penn State have totaled \$22,350. From 1962 to 1981, tobacco production research grants to universities by Reynolds Tobacco totaled \$2,467,474.



This 36-foot custom turkey hauler, designed and constructed by MGS Trailers, R3, Denver, is intended to provide easier and more efficient transport of the birds. Shown with the trailer, from the left, are Raymond Martin,

designer of the trailer; Lowell Koch, of Koch's Turkey Farms, R1, Tamaqua; Richard Miller, commercial and industrial sales manager for MGS; and Roger Ream, trailer production manager at MGS.

