ADSA awards

(Continued from Page D6)

superintendent of the North Louisiana Hill Farm Experimental Station in 1980.

He is a member of the American Dairy Science Association since 1956 and of many other professional organizations. He has 284 technical and popular publications to his credit. He was honored by Southern Arkansas University in 1970 and by Oklahoma State University as "Graduate of Distinction" in 1980.



Poul M.T. Hansen

The Dairy Research Foundation Award was given to Paul M. T. Hansen, Professor of Food Science at Ohio State University, in recognition of outstanding research pertaining to dairy industry problems.

A native of Denmark, Hansen's early work on the solubility of chocolate flavor led to the development of a spectroscopic method for measuring the

products. His studies on the effect of heat on milk protein interactions has contributed to our understanding of the properties of sterile concentrated milk and milk products. His studies on sterile products led to an investigation of amino sugars and their role in product stability, potential nutritional importance and usefulness as indicators of heat treatment.



William Thatcher

The 1981 recipient of the Upjohn Physiology Award William Thatcher received his B.S. and M.S. degrees from the University of Maryland and his Ph.D. degree from Michigan State University in 1968. Immediately upon graduation he joined the faculty at the University of Florida and has been involved in research and teaching at that institution since that time.

He has developed a most active research program which has resulted in 29 journal articles and chocolate content of dairy 38 research papers at scientific meetings in the past 5 years. His research work has largely concentrated in four areas: Ovulatory control, stress effects on function, reproductive reproductive management and embryo development and conceptus-maternal interactions.



David A. Wieckert

David A. Wieckert the 1981 recipient of the Ralston Purma Teaching Award is a master teacher. Former students have described him as dedicated. respected, enthusiastic, an inspiring leader, and a teacher who takes a personal interest in students.

After a 2-year tour as a food inspector in the U.S. Army, Wieckert returned to earn master's and doctoral degrees at the University of Wisconsin in 1956 and 1963, respectively. His employment during those graduate years included extension youth work in Wisconsin, a teaching appointment at Southern Illinois University, and a stint as a Fulbright Scholar at Massey Agricultural College in New Zealand. He joined the faculty of the Department of Dairy Science

at Wisconsin as assistant professor in 1963, and was promoted to associate professor in 1967 and to professor in 1970. He has been a member of ADSA for 22 years, and he chaired the Education Committee in 1971-72.



Abele Kuipers

The Richard M. Hoyt Memorial Award was presented annually by the National Milk Producers Federation to Abele Kuipers, a graduate student whose research efforts have direct application to the solution of significant problems facing the dairy industry.

A native of Roordahuizum, Friesland, the Netherlands, Kuipers received a B.S. in Animal Science from the Netherlands Agricultural University in 1969 and then an M.S. from the same institution in 1972.

Kuipers has authored or coauthored 16 publications and has recently completed his Ph.D. in Dairy Science under the direction of Dr. George E. Shook, University of Wisconsin - Madison. He is currently serving as Scientist at the Research and Advisory Institute for Cattle Husbandry in Lelystad, the Netherlands.

The 1981 winner of the Pfizer Award, Howard Morris was selected on the basis of outstanding



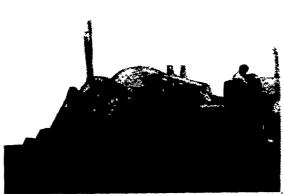
Howard Morris

research in the area of cheese science and technology. This individual's efforts have blended basic and applied research to make highly significant contributions in the areas of biochemistry, microbiology, process technology and product development. His interests have encompassed work on the major cheese varieties including Blue, Cheddar and

Morris received his Bachelor's degree from Utah State University and the Master's and Doctorate degrees from the University of Minnesota. He joined the staff of the University of Minnesota as Teaching Assistant in 1946 and has served that institution continuously since that date with the rank of Professor since 1960. His research and studies have involved sabbatical terms in Europe, the United Kingdon, Wales and New Zealand. In addition to A D.S.A. he is a member of American Association for the Advancement of Science, American Association for Microbiology, Institute of Food Technologists and the International Association of Milk, Food, and Environmental Sanitarians.

DRAINAGE PROBLEMS?





COCALICO EQUIPMENT HAS THE TWO MACHINES TO HANDLE YOUR DRAINAGE PROBLEMS.

★ Both machines Equipped with Laser Beam Grade Control

	igh Returns Typical
Investment	Annual Return
Land Drainage	21-46%
Farm Buildings	. 3-23%
Farm Land	11%
Stocks	7 4%
Bonds	61%

COMPARE

Even with the conservative figures shown here. it's obvious that land drainage should top farmers' lists of investment priorities.



We Stock Heavy Grade Tubing which Exceeds SCS Specifications. In sizes 4", 6", 8", 10" and 12".

> **NOW AVAILABLE** 15" & 18" Tubing

Also Pipe And Fittings For Tile Outlet Terraces.



COCALICO EQUIP. CO.

DRAINAGE & EXCAVATING

PH: 215-267-3808 **RD #3, DENVER, PA 17517**

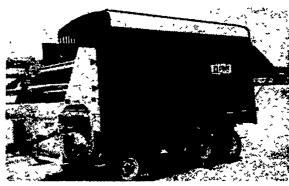


FORAGE BOX

Big Capacity,

Rugged Construction,

Built For Performance



FEATURES

 Standard Equipment includes 6 ft. hinge rear door. rear unloading, 18" diagonal cross auger and individual beater clutch.

7x16x6 feet - 670 cu. ft. Dion self unloading forage boxes and bunk feeders are especially tough, strong and efficient, fit for today's farming needs. The ruggedly constructed wood box withstands rough field useage for better than all-steel boxes.

Other Features • Smooth variable speed unloading

Boxes Available With Gears or Tandem, In Stock, Ready For Delivery

BEFORE YOU BUY - CHECK OUR PRICES

LONG TERM LEASING AVAILABLE THROUGH:



FINANCING AVAILABLE

Sales, Service and Parts

• Leyland & Same Tractors • Taylorway-Dunham • New idea • GT Dryers • Landoll • Dion

RD 1, Box 2294, Jonestown, PA 17038 Phone 717-865-4526 Located 1/2 Mile South of Fredericksburg Off Rt 343 in Shirksville Business Hours 7 A M to 5 P M Daily; Sat. till Noon, Evenings by Appt.