

Ag engineering chairman retires at Penn State

UNIVERSITY PARK — Dr. Harold V. Walton, professor and head of the department of agricultural engineering, retired July 31 with emeritus status. He has served as department head since 1976.

Having taught at Penn State since 1947, Dr. Walton accepted a position at the University of Missouri as professor of agricultural engineering in 1962 and served as chairman of that department for seven years.

From 1969 to 1971, Dr. Walton was chief-of-party for a University of Missouri program with the U.S. Agency for International Development at the Orissa University of Agriculture and Technology in Bhubaneswar, Orissa, which is on the eastern coast of India.

He was responsible for a University Development Program and an Agricultural Production Program to establish the Extension teaching model. An important aspect of these programs was faculty training and development at the University of Missouri.

While at the University of Missouri, Dr. Walton's primary research was in the area of agricultural structures and environment and later, in the area of food engineering. He has published numerous articles on the physical properties of poultry products, including "Composition of Shell Waste from Egg Breaking Plants," "The Viscosity of Egg Substitute Mixtures," and "Using Eggshells in Poultry Feed."

As a result of his research, some egg processors in Missouri use a dehydrated ion system to eliminate shell wastes. Feed producers then process the dried material, which



Harold V. Walton

is high in calcium and protein, to use as a nutritional additive to chicken feed.

Dr. Walton returned to Penn State in 1976 to be head of the Department of Agricultural Engineering. "Our program in agricultural engineering is offered jointly by the College of Agriculture and the College of Engineering. The cooperative nature of this arrangement adds strength to both our graduate and undergraduate degrees. We have

excellent relations with both colleges," he says. The department also offers graduate and undergraduate degrees in agricultural mechanization, granted by the College of Agriculture.

Although primarily concerned with administrative duties, Dr. Walton has taught the senior seminar in agricultural engineering. He has served on the Executive Committees of both the Colleges of Agriculture and the College of Engineering and on the Curriculum Task Force of the College of Engineering. He served on the Staff Power Planning Task Force for the College of Agriculture, which examined the organization of the Penn State Cooperative Extension Service.

Dr. Walton served as a consultant for the Organization of American States in Trinidad and Tobago in 1980, evaluating their agricultural engineering services and served as director of the League for International Food Education.

In 1942 he received a bachelor of science degree and in 1950 as master of science degree, both in

agricultural engineering from Penn State. He was awarded his Ph.D. in agricultural engineering from Purdue University in 1961.

Dr. Walton has served as chairman of the Agricultural Engineering Division of the American Society for Engineering Education (ASEE); as vice-chairman and chairman of the North Atlantic Region of the American Society of Agricultural Engineering (ASAE), and this year, began serving as regional director of the American Society of Agricultural Engineers.

In 1942 he was initiated into Gamma Sigma Delta and Phi Kappa Phi honor societies and in 1951, was elected to Sigma Xi. He became a member of Alpha Epsilon in 1962, and was named a Fellow of the American Society of Agricultural Engineers in 1973.

After retirement, Dr. Walton and his wife, Velma, plan to visit their three children, Richard in Texas, Marilyn in Louisiana and Carol in Nevada. "I plan to bring some order to my stamp collection and will continue to be active with professional associations."

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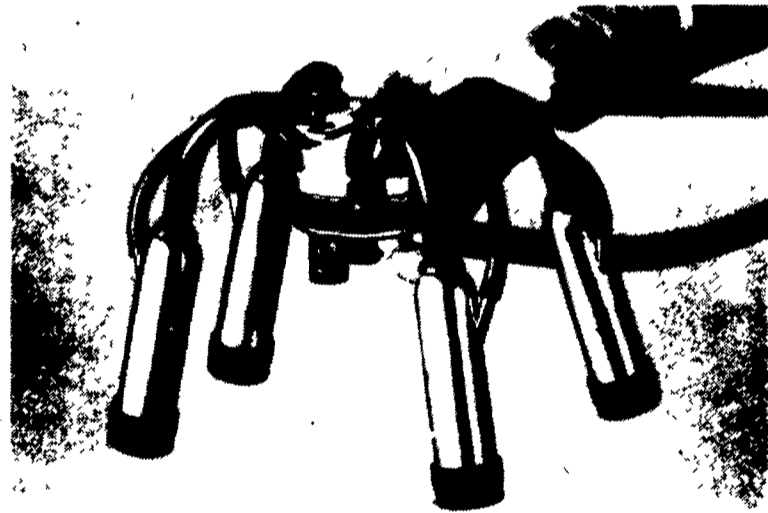
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