

Stanley P. Rowland To Receive The Olney Medal

Stanley P. Rowland, an internationally recognized authority in the field of cellulose and textile chemistry, has been named the 1985 recipient of The Olney Medal, AATCC's highest recognition for achievement in textile chemistry.

Rowland, who retired last year as research leader at the U.S. Department of Agriculture's Southern Regional Research Center in New Orleans, has made numerous original and valuable research contributions concerning knowledge, concepts, theories, techniques and textile products involving cotton. His research has been followed closely by textile researchers throughout the world and most especially in the cotton-producing and consuming nations where effort has been devoted to improving easy care and other performance qualities of cotton through chemical modification.

A native of Houston, Minn., Rowland has become internationally recognized as a researcher of and an expert on the chemistry, structure and performance of cotton. He is probably best known among researchers for his clarification of accessibility of the cotton fiber and its relationship to microstructural features of the fiber. However, his most significant contributions relate to the reactivities of the hydroxyl groups of cellulose, the sites of residues from chemical finishing reactions and the nature of microstructure of the fiber and its contribution to textile performance.

40 Years In Research

After attending the University of St. Thomas at St. Paul, Minn., Rowland transferred to the University of Minnesota where he was awarded a BS in chemistry *magna cum laude* in 1939. He received his doctorate in organic chemistry from the University of Illinois in 1943.

Rowland spent the early part of his career as a research chemist in industry. He was a research chemist and then group leader for Rohm and Haas Co. in Philadelphia from 1943 to 1956, and was then assistant manager for organic chemistry and then manager of exploratory polymer research for U.S. Industrial Chemicals Co. in Cincinnati from 1956 to 1963.

He joined USDA in 1963 as research leader of crosslink structures research in

SRRC's cotton chemical reactions laboratory. At the time of his retirement he was directing research on the chemical assessment of stress-strain within the microstructural units of cotton cellulose, factors affecting the distribution of reagent residues in durable press cotton, effect of pretreatments on the pore structure of fibrous cotton cellulose, formaldehyde release from durable press fabrics, development of formaldehyde-free durable press reagents, textile performance of fabrics as a function of the structure of crosslinks, the mechanism of smoldering, and basic aspects of thermal stability and flame resistance of modified cottons.

Honors/Awards

Rowland is the author or co-author of some 182 publications, holds some 76 patents and has presented more than 60 invited papers before scientific organizations. In addition to published papers and patents, Rowland has authored five chapters for books and is editor of a book, *WATER IN POLYMERS*, which was translated into Russian last year in its entirety. He has organized symposia, has been speaker in numerous symposia and has



STANLEY P. ROWLAND, retired research leader at the U.S. Department of Agriculture's Southern Regional Research Center in New Orleans, is the forty-second recipient of The Olney Medal.

presented invited lectures at universities and industrial laboratories in the U.S., western Europe and Egypt.

Among the honors and awards he has received are the American Chemical Society's Anselme Payen Award for achievements in cellulose chemistry (1981), a USDA Certificate of Merit for conceiving and guiding high quality research on the chemical structure of crosslinked cotton cellulose (1970), and a USDA Certificate of Merit for superior achievement in research leadership (1982).

He was valedictorian of his 1934 graduating class at Houston High School, was awarded a Du Pont fellowship and a Carr fellowship while working on his doctorate at the University of Illinois, was a member of Alpha Chi Sigma and Phi Lambda Upsilon at the University of Minnesota and of Sigma Xi and Phi Kappa Phi at the University of Illinois.

A former chairman of ACS' Division of Cellulose, Wood and Fiber Chemistry (1974), he also has been active in the Society of Plastics Engineers, Chemical Market Research Association, The Fiber Society, The Chemical Society (London), Research Society of America, American Institute of Chemists and AATCC.

Gentleman Rancher

Since retiring from USDA, Rowland has undertaken a wholly new activity. He now has a small ranch near Tenino, Wash., where he is establishing a herd of registered polled herefords. He and his wife, the former Dorothy Schneider who also retired from SRRC last year, have four sons. Their hobbies, which at one time included music, wine making and cycling, have undergone transition to—in their words—pasture management, calving, the collection and disposition of manure and the like.

Forty-Second Recipient Of The Olney Medal

Rowland is the forty-second recipient of The Olney Medal which was established in 1944 in honor of Dr. Louis Atwell Olney, founder and first president of AATCC. Previous recipients were Dr. Olney, 1944; Milton Harris of Milton

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The Olney Medal

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Harris Associates, 1945; William A. Cady of U.S. Finishing Co., 1946; Edward A. Schwarz of Massachusetts Institute of Technology, 1947; Harold M. Chase of Dan River Mills, 1948; Charles A. Seibert of The Du Pont Co., 1949; George L. Royer of American Cyanamid Co., 1950; Raymond W. Jacoby of Ciba Co., 1951; Werner von Bergen of Forstmann Woolen Co., 1952; Roland E. Derby Sr. of The Derby Co., 1953; William D. Appel of the National Bureau of Standards, 1954; Miles A. Dahlen of The Du Pont Co., 1955; Walter J. Hamburger of Fabric Research Laboratories, 1956; P. J. Wood of Royce Chemical Co., 1957; Henry E. Millson of American Cyanamid Co., 1958; Emery I. Valko of Lowell Technological Institute, 1959; Arnold M. Sookne of Harris Research Laboratories, 1960; Fred Fortess of Celanese Corporation of America, 1961; Charles F. Goldthwait of North Carolina State University, 1962; Guiliana C. Tesoro of J. P. Stevens & Co., 1963; Richard O. Steele of Rohm and Haas Co., 1964; Herman F. Mark of Polytechnic Institute of Brooklyn, 1965; Wilson A. Reeves of the U.S. Department of Agriculture, 1966; Edwin I. Stearns of

American Cyanamid Co., 1967; Harold P. Lundgren of the U.S. Department of Agriculture, 1968; D. Donald Gagliardi of Gagliardi Research Corp., 1969; Paul L. Meunier of The Du Pont Co., 1970; Ernest R. Kaswell of Fabric Research Laboratories, 1971; Victor S. Salvin of the University of North Carolina at Greensboro, 1972; Herman B. Goldstein of Sun Chemical Corp., 1973; Henry A. Rutherford of North Carolina State University, 1974; R. Lee Wayland Jr. of Dan River Inc., 1975; George L. Drake Jr. of the U.S. Department of Agriculture, 1976; James M. Straley of Tennessee Eastman Co., 1977; Dmitry M. Gagarine of Milliken Research Corp., 1978; Joseph W. Gibson Jr. of The Du Pont Co., 1979; Roland E. Derby Jr., The Derby Co., 1980; Mathias J. Schuler of The Du Pont Co., 1981; Stephen B. Sello of J. P. Stevens & Co., 1982; Theodore F. Cooke, Textile Research Institute, 1983; and Ralph McGregor, North Carolina State University, 1984.

The award, which consists of a medal, a scroll and an honorarium, will be presented to Rowland at the conference awards luncheon on Monday, October 7. Following the luncheon, Rowland will present the traditional Olney Medal Address.

The Chapin Award

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Philadelphia College of Textiles and Science, 1967; Joe D. Mosheim of Crystal Springs Bleachery, 1968; P. J. Fynn of J. C. Penney Co., 1969; H. Gillespie Smith of American Cyanamid Co., 1970; Harold B. Sturtevant of Rhode Island School of Design, 1971; Albert H. Rant of Laurel Products Corp., 1972; Ernest J. Chorney of Bradford Dyeing Association (USA) Inc., 1973; Patrick J. Kennedy of The Du Pont Co., 1974; Frank J. Rizzo of the U.S. Army Research and Development Laboratories, 1975; Carl R. Teichgraber of Dominion Textile Ltd. 1976; John J. Hanlon of Mohasco Corp., 1977; Fred V. Traut of Globe Dye Works, 1978; Charles L. Zimmerman of American Cyanamid Co., 1979; Richard M. Jones of American Industrial Chemical Corp., 1980; Virgil D. Lyon of Atlas Electric Devices Co., 1981; John J. O'Neil Jr. of Soluol Chemical Co., 1982; Vernon C. Smith of Collins & Aikman Corp., 1983; and George S. Wham of Good Housekeeping Magazine and the Good Housekeeping Institute, 1984.

This year's award will be presented at the conference awards luncheon on Monday, October 7.

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