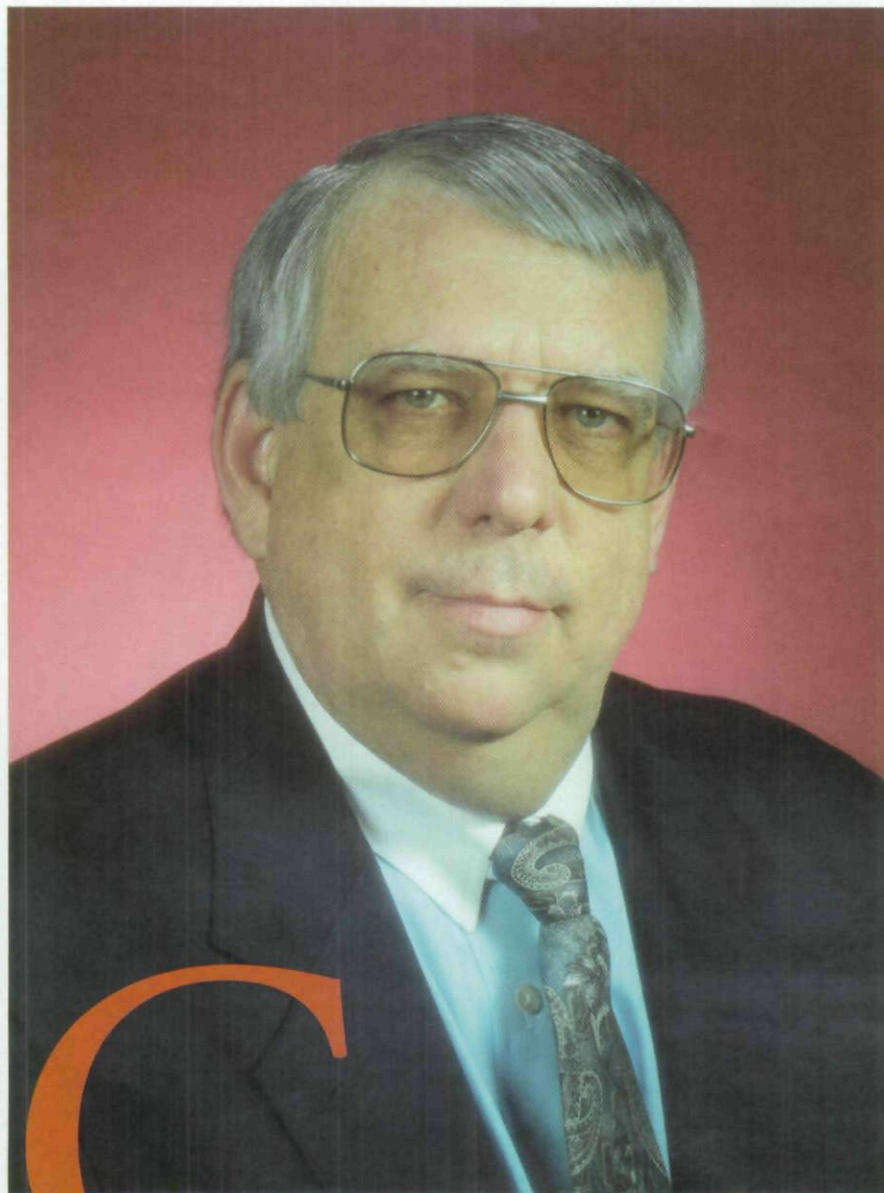


# C. Brent Smith to Receive the Olney Medal for 2007



## PERSONAL DATA

A native of Raleigh, N.C., USA, Smith earned his BS in chemistry from North Carolina State University (NCSU) in 1966, and a PhD in chemical physics from the University of Florida in 1970.

He began his career as a chemist at the Old Fort division of United Merchants in 1970. In 1976, he became technical director of the Alamac Division of West Point Pepperell. Smith began working for Cotton Incorporated in 1981 as research manager, and joined the faculty of NCSU in 1984. Smith is currently the Cone Mills Professor of Polymer and Color Chemistry at the NCSU College of Textiles.

Smith and his wife, Nella Webb Smith, reside in Raleigh. They have a son, Brent Smith, also of Raleigh, a technical manager at Precision Fabrics Group. Smith is a member of Hillyer Memorial Christian Church, and enjoys playing clarinet and operating a ham radio in his spare time.

## ACHIEVEMENTS

While at Cotton Incorporated, Smith played a major role in developing and implementing the Engineered Fiber Selection system, a highly technical fiber management system that optimizes product performance and cost.

Smith participated in developing Cleaner Production programs in over 25 countries through groups such as USETI, UNIDO, UNEP, and USAEP. Most of this work was international on-site work in the late 1990s. During that time he wrote a pollution prevention manual for the US Environmental Protection Agency, used worldwide as an authoritative reference to reduce pollution in textile processing.

Smith has chaired or co-chaired the advisory committees for 48 graduate students at NCSU. He developed and

**C**arl Brent Smith is this year's recipient of the Olney Medal for outstanding achievement in textile chemistry. The Olney Medal was established in 1944 to recognize outstanding achievement in textile, polymer, or other fields of chemistry of major importance to textile science, including the development of chemical agents or processes used in textile manufacturing or for methods used in textile evaluation.



taught a course on Industrial Safety and the Environment that was one of the College of Textiles' most popular electives among undergraduate students. He developed and taught a physical chemistry course founded on a rigorous treatment of textile topics.

He participated in the development of advanced dye process analysis and control through the NCSU Dye Applications Research Group. The research is now becoming reality for use in commercial textile dyeing operations. He has also done major research in dyeing in supercritical carbon dioxide, ionic crosslinking of cellulose, and modification of reactive dyes to improve exhaustion and fixation.

## HONORS AND AWARDS

Smith is the author of 109 published papers, three monographs translated into several languages, and four book chapters, and is the holder of five patents. He was recognized as the Cone Mills Professor of Polymer and Color Chemistry at NCSU.

Smith joined AATCC in 1971, and was chair of technical committee RA98, Assessment of Dye Strength and Shade Test Methods, from 1988-1989, and secretary of technical committee RA100, Safety, Health, and Environmental Technology, from 1990-1991. He was also a member of technical committee RA36, Color Measurement Test Methods, and other technical committees.

## THE OLNEY MEDAL

Established in 1944 in honor of Louis Atwell Olney, the founder and first president of AATCC, the Olney Medal recognizes outstanding achievement in textile or polymer chemistry or other fields of chemistry of major importance to textile science. The award consists of a gold medal, a scroll, and an honorarium.

Presentation of the medal each year is a highlight of AATCC's International Conference & Exhibition. This year, the Association will present the Olney Medal at the conference awards luncheon at noon on Thursday, October 4, at the Francis Marion Hotel in Charleston, S.C., USA. Smith will deliver the traditional Olney Medal Address on Thursday, October 4 at 8:15 AM. His topic will be "Dye Process Monitoring and Control—Past, Present, and Future."

## PREVIOUS RECIPIENTS

Smith is the 63rd recipient of the Olney Medal. The first medal was presented to Olney in 1944. Since then, the Association has awarded the Medal to:

- 1945: Milton Harris of Milton Harris Associates
- 1946: William H. Cady of U.S. Finishing Co.
- 1947: Edward R. Schwarz of Massachusetts Institute of Technology
- 1948: Harold M. Chase of Dan River Mills
- 1949: Charles A. Seibert of DuPont Co.
- 1950: George L. Royer of American Cyanamid Co.
- 1951: Raymond W. Jacoby of Ciba Co.
- 1952: Werner von Bergen of Forstmann Woolen Co.
- 1953: Roland E. Derby Sr. of Derby Co.
- 1954: William D. Appel of National Bureau of Standards
- 1955: Miles A. Dahlen of DuPont Co.
- 1956: Walter J. Hamburger of Fabric Research Laboratories
- 1957: P. J. Wood of Royce Chemical Co.
- 1958: Henry E. Millson of American Cyanamid Co.
- 1959: Emery I. Valko of Lowell Technological Institute
- 1960: Arnold M. Sookne of Harris Research Laboratories
- 1961: Fred Fortess of Celanese Corp. of America
- 1962: Charles F. Goldthwait of North Carolina State College
- 1963: Giulliana C. Tesoro of J. P. Stevens & Co.
- 1964: Richard O. Steele of Rohm and Haas Co.
- 1965: Herman F. Mark of Polytechnic Institute of Brooklyn
- 1966: Wilson A. Reeves of U.S. Department of Agriculture
- 1967: Edwin I. Stearns of American Cyanamid Co.
- 1968: Harold P. Lundgren of U.S. Department of Agriculture
- 1969: D. Donald Gagliardi of Gagliardi Research Corp.
- 1970: Paul L. Meunier of DuPont Co.
- 1971: Ernest R. Kaswell of Fabric Research Laboratories
- 1972: Victor S. Salvin of University of North Carolina at Greensboro
- 1973: Herman B. Goldstein of Sun Chemical Corp.
- 1974: Henry A. Rurford of North Carolina State University
- 1975: R. Lee Wayland Jr. of Dan River Inc.
- 1976: George L. Drake Jr. of U.S. Department of Agriculture
- 1977: James M. Straley of Tennessee Eastman Co.
- 1978: Dmitry M. Gagarine of Milliken Research Corp.
- 1979: Joseph W. Gibson Jr. of DuPont Co.
- 1980: Roland E. Derby Jr. of Derby Co.
- 1981: Mathias J. Schuler of DuPont Co.
- 1982: Stephen B. Sello of J. P. Stevens & Co.
- 1983: Theodore F. Cooke of Textile Research Institute
- 1984: Ralph McGregor of North Carolina State University
- 1985: Stanley P. Rowland of U.S. Department of Agriculture
- 1986: Melvin D. Hurwitz of University of North Carolina at Greensboro
- 1987: Ludwig Rebenfeld of Textile Research Institute
- 1988: Martin K. Lindemann, Consultant
- 1989: J. Lee Rush of AlliedSignal Inc.
- 1990: Hans-Dietrich H. Weigmann of Textile Research Institute
- 1991: Robert J. Harper Jr. of U.S. Department of Agriculture
- 1992: Bethlehem K. Andrews of U.S. Department of Agriculture
- 1993: Herbert T. Pratt of DuPont Co.
- 1994: J. Nolan Eters of University of Georgia
- 1995: Vivian T. Stannett of North Carolina State University
- 1996: Wayne C. Tincher of Georgia Institute of Technology
- 1997: Hans H. Kuhn of Milliken Research Corp.
- 1998: Joseph C. Shivers of DuPont
- 1999: Warren S. Perkins of University of Georgia
- 2000: Tyrone Vigo of U.S. Department of Agriculture
- 2001: George L. Baughman of University of Georgia
- 2002: Max A. Weaver, Consultant
- 2003: Howard L. Needles, Consultant
- 2004: Harold S. Freeman of North Carolina State University
- 2005: Rolf G. Kuehni of North Carolina State University
- 2006: Keith R. Beck of North Carolina State University

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