



Dr. Roy L. McCullough



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W I N N E R

MEDAL OF EXCELLENCE

IN COMPOSITE MATERIALS

Dr. Roy L. McCullough, Professor in the Department of Chemical Engineering and Materials Science program at the University of Delaware is the posthumous recipient of the 2002 Medal of Excellence in Composite Materials.

McCullough received his Ph.D. in Physical Chemistry from the University of New Mexico in 1959, and was a faculty member at the University of Delaware for thirty years. Before coming to the University of Delaware as a Professor in the Department of Chemical Engineering in 1971, McCullough enjoyed a successful career in industry. After five years of working at the Los Alamos Scientific Laboratory, he spent the next decade working in

Monsanto's Chemstrand Research Center in Durham, N.C. as a research scientist and research coordinator. Just prior to joining the University of Delaware faculty, McCullough was a Senior Research Scientist and Acting Director for the Materials Science Laboratory at the Boeing Company in Seattle, Washington.

During his tenure at the University of Delaware, McCullough taught 17 different graduate and undergraduate courses and advised more than 80 graduate and undergraduate students. In 1981, McCullough became Associate Chairman in the Department of Chemical Engineering. In addition, McCullough served on the faculty advisory board for the University of Delaware's National Science Foundation Recognition Award for the Integration of Research and Education (RAIRE) Program. McCullough was author of the book, *Concepts of Fiber Resin Composites*. He also served on the Editorial Board of *Composites Science and Technology*. His public contributions also included articles in the *Encyclopedia Britannica* and *Scientific American*. McCullough's research endeavors, focused primarily on interphase phenomena, have influenced and shaped the foundation for CCM's current work in interphase science.

Serving as Associate Director of CCM in 1978, Acting director in 1985, and as Director from 1990 to 1994, McCullough was committed to the vision of creating an interdisciplinary research center in composite materials. McCullough helped to establish the Army Research Center of Excellence at CCM. He was also the co-principal investigator of CCM's Army Research Office-University Research Initiative (ARO-URI) program for more than a decade. In 1999, as Chair for the Research Symposium, he helped to commemorate CCM's 25th anniversary.

Roy L. McCullough excelled as an educator, scholar, and scientist. His far-reaching knowledge, clear vision, and humble leadership have proved invaluable to his students and colleagues alike. His contributions to composites science, education, and research continue to influence and stimulate the growth of composites today.