

The 2002 Ralph and Helen Oesper Awardee

Honoring

Royce W. Murray

Kenan Professor of Chemistry

University of North Carolina, Chapel Hill

October 25-26, 2002



Royce W. Murray was educated at Birmingham Southern College (B.S., '57) and Northwestern University (Ph.D., analytical chemistry, '60), joined the University of North Carolina faculty in 1960 and became Kenan Professor of Chemistry in 1980. He has served as Chemistry Department Chariman, as Vice Chair and as Chair of the Basic and Applied Natural Sciences Division and Chair of the Curriculum in Applied and Materials Sciences. Murray has been colleague to over 100 graduate and post-graduate students, with whom he has published about 320 papers. His contributions have been recognized with Sloan and Guggenheim Fellowships, the Carl Wagner Memorial Award and the Olin Palladium Medal (The Electrochemical Society), the Charles N. Reilley Award (Society for Electroanalytical Chemistry), The Electrochemistry Group Medal of the Royal Society of Chemistry, and the Amercian Chemical Society Fisher Award in Analytical Chemistry and Division of Analytical Chemistry Electrochemistry Award.

Murray is an elected member of National Academy of Sciences and a Fellow of the American Academy of Arts and Sciences and the American Association for the Advancement of Science. Murray is a Life Member and a Fellow of the The Electrochemical Society, Life Member and Past-President of the Society for Electroanalytical Chemistry, and a member of the American Chemical Society. He has since 1991 been Editor-in-Chief of the journal Analytical Chemistry, which is the leading journal in the discipline. He has served as a member and Co-chair of the Board of Chemical Sciences and Technology, of the National Research Council.

Murray's research interests include electroanalytical methods, the molecular design of electrode surfaces and metal clusters, electrochemically reactive semi-solid media, mass transport and electron transfer dynamics, electrocatalysis, and voltammetry in extreme media. The typical focus is the invention of measurement tools and strategies, and associated design of new molecular assemblies that give access to previously inaccessible and interesting chemical phenomena.