

Breslow Award to J. P. Collman

The American Chemical Society (ACS) has awarded James P. Collman (Stanford University) with its Ronald Breslow Prize for his outstanding achievements in the area of biomimetic chemistry. His award lecture at the ACS National Meeting in Salt Lake City focused on the role of hydrogen sulfide in the initiation of hibernation. Further topics investigated by his research group include electrochemical catalysts for multielectron redox reactions, porphyrin complexes with metal–metal multiple bonds, oxidation catalysts that mimic cytochrome P450, and analogues of oxygen-binding and -activating heme proteins. He recently reported in *Angewandte Chemie* on surface-bound metalloporphyrin oligomers^[1a] and in the *European Journal of Organic Chemistry* on the kinetics of manganese(III)–porphyrin-catalyzed olefin epoxidation with a soluble iodosylbenzene derivative.^[1b]

Collman studied at the University of Nebraska and completed his doctorate in 1958 at the University of Illinois in Urbana–Champaign under R. C. Fuson. In 1959 he moved to the University of North Carolina as assistant professor; in 1962, he was made associate professor; and in 1966 he was promoted to professor of organic and inorganic chemistry. In 1967 he took up a position at Stanford University in California. He received honorary doctorates in 1988 from the University of Nebraska and the Université de Bourgogne (Dijon).

F. A. Cotton Award to K. D. Karlin

Kenneth D. Karlin (Johns Hopkins University, Baltimore) was awarded by the ACS with the F. Albert Cotton Prize for synthetic inorganic chemistry. He is thus recognized for his work on coordination chemistry in biological and environmental processes, in particular for his studies of copper and porphyrin complexes. His research group is especially interested in the synthesis of biomimetic model compounds, which are characterized by EPR spectroscopy and kinetic, electrochemical, and magnetic measurements. He recently reported in *Angewandte Chemie* on modeling C–H hydroxylation by copper monooxygenase using a copper(II) superoxo complex^[2a] and on the formation of doubly coordinated bis(histidine) complexes from copper(I) ions and amyloid β -peptide fragments.^[2b]

Karlin studied at Stanford University and completed his doctorate in 1975 at Columbia University under the supervision of S. J. Lippard. He then worked at the University of Cambridge with Jack Lewis. In 1977 he took up a position as assistant professor at the State University of New York in Albany, where he was made associate professor in 1983 and professor in 1987. In 1990 he moved to Johns Hopkins University.

Adamson Prize in Surface Chemistry to D. A. King

Sir David A. King (University of Cambridge) received the Arthur W. Adamson Award for Distinguished Service in the Advancement of Surface Chemistry from the ACS. The society thus honors him for his work on the relationship between the structure of surfaces and their reactions, for example as catalysts. From these foundations, he and his group have developed new approaches to control the reaction rate and selectivity of catalytic reactions and to design new catalysts. He reported in *Angewandte Chemie* on a cooperative adsorbate-induced surface rearrangement and formation of nanoclusters^[3a] and on mechanistic studies on the catalytic combustion and synthesis of hydrocarbons on noble metal surfaces.^[3b]

King studied at the University of the Witwatersrand (Johannesburg) and completed his doctorate in physical chemistry there in 1964. He then worked as a postdoctoral fellow at Imperial College in London and thereafter as lecturer at the University of East Anglia in Norwich. In 1974 he took up a position as professor at the University of Liverpool and in 1988 moved to the University of Cambridge. King has been a Fellow of the Royal Society since 1991. Between 2000 and 2007, he worked as a scientific advisor to the British government. In 2003, King was knighted. Since 2008 he has directed the Smith School of Enterprise and the Environment at the University of Oxford.

Awarded...



J. P. Collman



K. D. Karlin



D. A. King

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