

ACA HONORS EXCELLENCE IN RESEARCH, PUBLIC SERVICE AND STUDENT WORK

The American Crystallographic Association presented several awards this year to recognize individuals for their contributions to the field. David Sayre received the Fankuchen Award, Mike McCormack received the ACA Public Service Award, and two students shared the Pauling Prize.

Sayre, a research scientist at the IBM Thomas J. Watson Research Center, was presented with this year's Fankuchen Award for his "outstanding contributions to the development of innovative methods for crystal structure determination and for his contributions to the teaching of crystallography." Sayre, a past president of ACA, has been with IBM since 1955. He has recently been involved in efforts directed toward determining the structures of large, nonrepeating objects such as biological cells using long-wavelength x rays to measure their diffraction patterns. Sayre received his BS in physics from Yale University in 1943, his MS from Alabama Polytechnic Institute in 1949, and his PhD in crystallography from Oxford University in 1951.

The Fankuchen Award is presented jointly by ACA and Polytechnic University every three years to "an outstanding crystallographer or x-ray diffractionist who is active in the field and has made significant contributions to research and teaching of crystallography."

The 1989 ACA Public Service Award went to Mike McCormack, a former Democratic representative from Washington, in recognition of his "leadership and expertise in matters of science and energy while a member of the United States Congress from 1970 to 1980 and for his continued efforts on behalf of science and the scientific community."

Before beginning his legislative career, McCormack was educated and employed as a chemist. He received his BS and MS degrees in chemistry from Washington State University in 1948 and 1949, respectively. From

1950 to 1970, he worked as a research scientist at the Atomic Energy Commission's facility in Hanford, Washington. From 1956 to 1970, he also served in the Washington state legislature. In 1970, McCormack was elected to Congress, where he was a member of the House Committee on Science and Technology and chaired the subcommittee on energy research and production. McCormack now runs McCormack Associates Inc., a consulting firm in science, energy and government, as well as a second company that provides consulting in environmental compliance and human health and safety.

The Public Service Award recognizes individuals outside the field of crystallography for "unusual contributions to public policy issues related to science, to the funding of fundamental areas of science that impact on crystallography and to the commu-

nication of crystallography to the general public."

The 1989 Pauling Prize for student work in crystallography was presented to D. A. Adsmond of the University of Minnesota and to G. Zhou of Oregon State University. Adsmond received the award for work on predicting and analyzing hydrogen-bond preferences of 2-aminopyrimidines. Zhou's award-winning work involved studying the effect of the C-5 methyl of thymine on the structure of Z-DNA.

Last year, ACA presented the Pauling Prize to Sharon Lobert of Vanderbilt University for her x-ray fiber diffraction studies of a virus called the cucumber green mottle mosaic virus, watermelon strain.

In 1987, the Pauling Prize was shared by S. R. Ruberu and T. W. Panunto of the University of Minnesota for their work on the physical and chemical properties of cyclamers.

IN BRIEF

The physics department of the Pennsylvania State University has in recent years made several appointments in surface physics. **Roy F. Willis**, formerly head of the surface physics group in the Cavendish Laboratory at the University of Cambridge, became a professor at Penn State in 1987. **Paul E. Sokol** was an associate professor of physics at Harvard until 1988, when he took on the same title at Penn State. **Jayanth R. Banavar**, who was a member of the professional staff at Schlumberger-Doll Research, joined Penn State in 1988 as an associate professor. **Robert W. Collins** became an associate professor in the department in 1988. He came from BP America, a research laboratory owned by British Petroleum, where he was a project leader and senior R&D physicist. **James F. Annett** joined Penn State as an assistant professor of physics in August 1989. Prior to his appointment, he was a

research associate at the University of Illinois at Urbana-Champaign. **Renee Diehl**, who currently lectures in physics at the University of Liverpool, will become an associate professor at Penn State as of 1 January 1990.

William L. Johnson, who has been on the faculty at Caltech since 1977, doing work in materials research, has become the first Ruben F. and Donna Mettler Professor of Engineering and Applied Science.

Sally Ride, the first American woman in space and, until recently, a science fellow at the Center for International Security and Arms Control, was recently appointed director of the California Space Institute at the Scripps Institution of Oceanography of the University of California, San Diego; she is also a physics professor at UCSD.