

UCAR Trustee-At-Large Candidate Shirley M. Malcom

The Members Nominating Committee is pleased to present Dr. Shirley Malcom as a candidate to the UCAR Board of Trustees. Dr. Malcom is Head of the Directorate for Education and Human Resources Programs of the American Association for the Advancement of Science (AAAS). A former high school science teacher, university faculty member, and National Science Foundation program officer in science education, she serves on a number of boards and committees related to science policy and science education at local, state, national, and international levels. Dr. Malcom would be an outstanding addition to the UCAR Board.



PERSONAL STATEMENT

I was born and raised in Birmingham, Alabama and was drawn into science as the result of the post-Sputnik emphasis on science and engineering. After time spent as a high school science teacher and university faculty member, I have served the remainder of my professional career in areas of science education, science policy, workforce diversity and public science outreach. I believe that all of these areas are ones in which UCAR has an expressed interest.

I served as a member of the National Science Board and chaired the Education and Human Resources Committee of the NSB. This gave me considerable insight into the way (an responsibilities) to integrate research and education. In addition I feel able to bring insights into effective strategies that might be used to explore opportunities to increase the participation of underrepresented groups in fields relevant to UCAR.

BIOGRAPHICAL INFORMATION

Shirley Malcom is Head of the Directorate for Education and Human Resources Programs of the American Association for the Advancement of Science (AAAS). The directorate includes AAAS programs in education, activities for underrepresented groups, and public understanding of science and technology. Dr. Malcom serves on several boards—including the Howard Heinz Endowment, the H. John Heinz III Center for Science, Economics and the Environment, and the National Park System Advisory Board—and is an honorary trustee of the American Museum of Natural History. She serves as a Regent of Morgan State University and as a trustee of Caltech. In addition she has chaired a number of national committees addressing education reform and access

to scientific and technical education, careers and literacy. Dr. Malcom is also a former trustee of the Carnegie Corporation of New York. She is a fellow of the AAAS and the American Academy of Arts and Sciences. She served on the National Science Board, the policymaking body of the National Science Foundation, from 1994 to 1998 and from 1994-2001 served on the President's Committee of Advisors on Science and Technology.

Dr. Malcom received her doctorate in ecology from Pennsylvania State University; master's degree in zoology from the University of California, Los Angeles; and bachelor's degree with distinction in zoology from the University of Washington. In addition she holds thirteen honorary degrees. In 2003 Dr. Malcom received the Public Welfare Medal of the National Academy of Sciences, the highest award given by the Academy.

She is author or co-author of numerous publications related to the mission of EHR including, *Equity and Excellence: Compatible Goals*; *Science Assessment in the Service of Reform*, and *The Effect of the Changing Policy Climate on Science, Mathematics, and Engineering Diversity*.