

UCAR Trustee Candidate Anne M. Thompson

The Members Nominating Committee is pleased to present Dr. Anne Thompson as a candidate to the UCAR Board of Trustees. Dr. Thompson is a Professor of Meteorology at the Pennsylvania State University. Her research focus is on atmospheric chemical modeling and measurement of trace gases. She is involved in the measurements of trace gases using NASA aircraft, particularly those involving the link between chemistry and convection and biomass burning effects on ozone. Other interests involve archiving of tropical Southern Hemisphere ozonesonde data for satellite validation, and global change simulations of the future and pre-industrial troposphere. She has over 135 peer-reviewed publications. Anne Thompson is a Fellow of AGU, AMS, and AAAS, and has received the NASA Honor Award and the Women in Aeroscience International Award. Anne will bring extensive national and international scientific and leadership experiences and skills to the board in areas of atmospheric chemistry of vital importance to our nation and our planet.



PERSONAL STATEMENT

This is an exciting time for Atmospheric, Oceanic and allied Sciences because integrated observations, from traditional instruments to the newest satellite sensors, along with complex system models, are allowing us to probe all scales of the atmosphere and to predict short- and long-term changes. It is also a critical time for UCAR, with a new strategic plan to serve and lead the atmospheric and geoscience communities. It would be a privilege to serve on UCAR's Board as it defines new ways to meet scientific and educational challenges that face our disciplines and community at this time. A Physical Chemist by training, I re-tooled as an Atmospheric Scientist in NCAR's ASP program in the 1980's. Since that time I have worked in a private atmospheric consulting firm, as a NASA Scientist (1986-2004) and since 2005, as a Penn State Meteorology Department Professor. My research interests are in tropospheric trace gas observations from satellites, aircraft, ship data and balloons. The associated field work has been widely international and I have worked on problems at the interfaces of air-sea, atmosphere-land and lower-to-middle atmosphere. I bring a spectrum of experience to this position and I would be honored to serve on the UCAR Board.

BIOGRAPHICAL INFORMATION

Anne M. Thompson (atmospheric chemistry); B.A., 1970, Swarthmore College; M.A., 1972, Princeton Univ.; Ph.D., 1978, Bryn Mawr College. Professor, Pennsylvania State Univ., University Park, since 2005. Previously with Woods Hole Oceanographic Institution, Univ. of California-San Diego/Scripps Institution of Oceanography, National Center for Atmospheric Research, Applied Research Corp., and NASA Goddard Space Flight Center. AAAS Fellow; Nordberg Medal, Committee on Space Research, 1998; Women in Aerospace International Achievement Award, 2004; secretary, Atmospheric Sciences Section, American Geophysical Union, 1990-92; Council, American Meteorological Society, 2001-04; president, International Commission on Atmospheric Chemistry and Global Pollution, 2002-06.

Current activities: Fellows Committee, Atmospheric Sciences Section, AGU; subject editor for atmospheric chemistry, *Bulletin of the American Meteorological Society*; Management Board, Commission on Atmospheric Sciences, World Meteorological Organization. **AAAS activities:** member-at-large of the Section Committee, Section on Atmospheric and Hydrospheric Sciences, 2003-07; Committee on Council Affairs, 2005-07; Council, 2005-08.