



Robert A. Duce, IUGG Fellow

USA

Robert A. Duce is presently University Distinguished Professor Emeritus of Oceanography and of Atmospheric Sciences at Texas A&M University. From 1991 to 1997 he was Dean of the College of Geosciences at Texas A&M. From 1987 to 1991 he was Dean of the Graduate School of Oceanography and Vice Provost for Marine Affairs at the University of Rhode Island (URI). He was founder and Director of the Center for Atmospheric Chemistry Studies at URI, where he also served as Associate Professor and Professor of Oceanography from 1970 to 1991. He was a member of the faculty of the Department of Chemistry at the University of Hawaii from 1965 to 1970. He completed a Ph.D. in inorganic and nuclear chemistry at MIT in 1964 and a B.A. in chemistry at Baylor University in 1957. He has held visiting professorships at the University of East Anglia in Great Britain, at the University of Texas, at Keio University in Japan, and at the University of Otago in New Zealand. He was a visiting scientist at the Centre de Faibles Radioactivités in France and at the National Oceanic and Atmospheric Administration (NOAA) Aeronomy Laboratory in Boulder, CO.

Dr. Duce's research interests include the chemistry of the atmosphere and ocean, focusing on chemical cycles of pollutant and natural substances in the global atmosphere, atmospheric transport of chemicals from the continents, their deposition to the ocean and their impact on marine biogeochemistry and climate, with studies in Antarctica, the arctic, and all the world's oceans. He has over 300 scientific contributions in journals, books, and proceedings. In 1990 he was awarded the Rosenstiel Award in Marine and Atmospheric Chemistry. He is a fellow of the American Geophysical Union (AGU), the American Meteorological Society (AMS), the Oceanography Society (TOS), and the American Association for the Advancement of Science (AAAS).

Dr. Duce is currently chair of the US National Academy of Sciences/National Research Council (NRC) Ocean Studies Board and co-chair of the NRC Committee on the Future of Atmospheric Chemistry Research, and he has chaired a number of other NRC committees. He is a member of the U.S. government's Ocean Research Advisory Panel (ORAP) and was recently a member of the U.S. Scientific Steering Committee for GEOTRACES and the Program Advisory Committee for National Science Foundation (NSF) Ocean Observatories Initiative. He was Chair of the United Nations Group of Experts on the Scientific Aspects of Marine Environmental Protection (GESAMP), and is now co-chair of GESAMP's Working Group on the Input of Chemicals from the Atmosphere to the Ocean. He has served as President of the International Association of Meteorology and Atmospheric Sciences (IAMAS) and President of the IAMAS International Commission on Atmospheric Chemistry and Global Pollution and is now an honorary life member. He has also served as President of The Oceanography Society and President of SCOR (ICSU Scientific Committee on Oceanic Research), and was a member of the Scientific Committee of the ICSU International Geosphere/Biosphere Program (IGBP), where he was also Treasurer. He served as a member of NOAA's National Sea Grant Advisory Board, the NRC's Board on Atmospheric Sciences and Climate, and co-chair of the Planning Committee for the IGBP Surface Ocean-Lower Atmosphere Study (SOLAS). He also served as a member of the Board of Governors of the Joint Oceanographic Institutions, Inc., the Board of Governors of the Consortium for Oceanographic Research and Education, the Executive Committee of the International Ocean Drilling Program, and the Board of Trustees of the University Corporation for Atmospheric Research. He has served as a member of the NSF Advisory Committees on Ocean Sciences, Atmospheric Sciences, and Geosciences and the Steering Committee of the IGBP International Global Atmospheric Chemistry Program. He has served on the editorial boards of several scientific journals and has been a member of or chaired numerous other advisory committees of the U.S. government, the United Nations, and the World Meteorological Organization.