



RIORDAN

AIP is honoring Riordan for “skillfully conveying the excitement and drama of science and for clarifying important scientific ideas through his many books, articles, and television programs.” According to the citation, his work

has “enhanced the public’s appreciation of physics as a source of beneficial applications and as an integral part of our intellectual life.”

ASA Bestows Medals and Awards

The Acoustical Society of America presented a number of awards and medals at the 143rd meeting of the society, held last month in Pittsburgh, Pennsylvania.

Two individuals each were awarded the Gold Medal, the highest honor of ASA. **Robert E. Apfel** received a gold medal for his “fundamental contributions to physical acoustics and biomedical ultrasound, and innovative leadership in electronic publishing.” Apfel is the Robert Higgin Professor of Mechanical Engineering at Yale University and a visiting professor of architecture at Harvard University. The other Gold Medal recipient was **Tony F. W. Embleton**, who was recognized for his “fundamental contributions to understanding outdoor

sound propagation and noise control and for leadership in the Society.” Embleton is retired from the National Research Council of Canada.

The R. Bruce Lindsay Award was also presented to two individuals this year. **James J. Finneran**, an engineer in the biosciences division of the US Navy’s Space and Naval Warfare Systems Center in San Diego, California, was honored for “contributions to the

understanding of auditory mechanics and transduction to teleost fish and of hearing by dolphins.” **Thomas J. Royston** garnered the award for his “contributions to the nonlinear characterization and control of vibration and acoustical outreach to inner city youth.” Royston is an associate professor and associate head of the mechanical and industrial engineering department at the University of Illinois in Chicago.

The Silver Medal in Psychological and Physiological Acoustics went to **Neal F. Viemeister**, a professor of psychology at the University of Minnesota, Twin Cities, for his “contributions to the understanding of temporal and intensive aspects of hearing.”

ASA presented its Silver Medal in Engineering Acoustics to **Ilene J. Busch-Vishniac** at the society’s 142nd meeting, which was held in Ft. Lauderdale, Florida, last January. Busch-Vishniac, a professor of mechanical engineering at the University of Texas at Austin, was recognized for her “development of novel electret microphones and of precision microelectromechanical sensors and positioners.”

Scientists Recognized for Geophysics Work

In April, at its 27th general assembly in Nice, France, the European Geophysical Society (EGS) presented several awards.

Bengt Hultqvist, director emeritus of the Swedish Institute of Space Physics, received the Hannes Alfvén Medal for his “important contributions to auroral and magnetospheric physics and his leading role in initiating and supporting space research projects both nationally and internationally.” He currently is the secretary general of the International Association of Geomagnetism and Aeronomy.

The David Robert Bates Medal was given to **Dominique Bockelée-Morvan** for her “exceptional observations and interpretations of the composition of comets.” She is a director of research with the National Center for Scientific Research (CNRS) and is an astronomer with the Paris Observatory’s laboratory of spatial studies and instrumentation in astrophysics (LESIA).

Klaus Hasselmann received the Vilhelm Bjerknes Medal for his “pioneering contributions to the theory and modeling of ocean-atmosphere interaction and climate variability, which have improved our ability to predict ocean waves and detect cli-

mate change.” He retired in 2000 as a director of the Max Planck Institute for Meteorology in Hamburg, Germany, and as a professor of geophysics at the University of Hamburg.

The John Dalton Medal was presented to **Efi Foufoula-Georgiou**, professor of engineering and director of the St. Anthony Falls Laboratory of the University of Minnesota, Twin Cities. She was acknowledged for her “outstanding contributions to the understanding of space-time precipitation variability.”

Wolfgang Kinzelbach received the Henry Darcy Medal for his “outstanding contributions to the sustainable management of groundwater systems.” He directs the Institute of Hydromechanics and Water Resources Management at ETH Zürich.

The EGS presented its Beno Gutenberg Medal to **Tatiana B. Yanovskaya**, professor of geophysics at St. Petersburg State University’s V. A. Fock Institute of Physics in Russia. She was recognized for her “major theoretical achievement in the modeling of surface waves and tsunami propagation in laterally inhomogeneous media.”

The joint winners of the Vening Meinesz Medal were **Georges Balmino** and **Christoph Reiger**, who were cited for their “outstanding contributions in the field of satellite geodesy and the study of the Earth’s gravity field.” Balmino is the director of the research group in satellite geodesy (GRGS), a federation of several groups in France that work in this domain, and head of the division of satellite geodesy at the Centre National d’Etudes Spatiales in Toulouse, France. Reiger is the director of the kinematics and dynamics of the Earth division at the Geo-Research Center in Potsdam (GFZ Potsdam) and a professor of geophysics at Potsdam University.

The EGS bestowed its Milutin Milankovic Medal on **I. Colin Prentice** in honor of his “outstanding contributions in modeling the terrestrial biosphere as an interactive component of our Earth system.” He is a director of the Max Planck Institute for Biogeochemistry in Jena, Germany.

Peter D. Killworth received the Fridtjof Nansen Medal in recognition of his “many far-reaching contributions to theoretical oceanography which have significantly enlarged our understanding of the processes determining ocean circulation.” Killworth is an Individual Merit Scientist and a professor of oceanography at the Southampton Oceanography Centre in the UK.



APFEL



EMBLETON