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APS Divisions Name Prize Recipients for 1999

At various division meetings held in recent months, the American Physical Society honored nine individuals for their contributions to physics.

The 1999 Robert R. Wilson Prize, given jointly by APS's divisions of beams and of particles and fields, went to **Robert B. Palmer**, director of Brookhaven National Laboratory's Center for Accelerator Physics. Palmer was recognized for, in the words of the citation, his "many diverse contributions and innovations in particle accelerator and detector technologies, including superconducting magnets, longitudinal stochastic cooling, bubble chambers and neutrino beam lines, crab crossing in lepton colliders, laser acceleration, and for leadership of the muon collider concept."

Zhirong Huang received the 1999 Award for Outstanding Doctoral Thesis Research in Beam Physics from the division of beams for his "analysis of radiation damping and quantum excitation in novel accelerator configurations." He received his doctorate from Stanford University in 1998, under the guidance of Ronald Ruth. Huang is currently a physicist at Argonne National Laboratory's Advanced Photon Source.

The division of atomic, molecular, and optical physics gave two DAMOP Thesis Awards in 1999. **Brett Esry**, an assistant professor of physics at Kansas State University, was recognized for his research in "many-body effects in Bose–Einstein condensates of dilute atomic gases." The other award went to **Jens U. Nöckel** for his research in "the emission properties of asymmetric dielectric resonators with chaotic ray dynamics." Nöckel is a staff member at the Max Planck Institute for the Physics of Complex Systems in Dresden, Germany.

The division of plasma physics honored three scientists in 1999. **John B. Taylor** received the James Clerk Maxwell Prize for "groundbreaking research, distinguished by its ingenuity and clarity, in such topics as: relaxation theory, transport, finite Larmor radius effects, the minimum-B concept, adiabatic invariance, the standard map, bootstrap currents, the ballooning representation, and confinement scaling laws." Taylor is retired from the UKAEA Fusion Culham Science Centre in Oxfordshire, England and from the Institute for Fusion Studies at the University of Texas at Austin.

Raymond J. Fonck, a professor in the engineering physics department at the University of Wisconsin—Madison, was given the Award for Excellence in Plasma Physics Research. Fonck was cited for his "implementation, development, and exploitation of beam emission spectroscopy for measuring fluctuations and their relations to anomalous transport in hot, fusion-relevant plasmas."

Thomas R. Clark was the recipient of the Outstanding Doctoral Thesis in Plasma Physics Award, which recognized his "comprehensive elucidation of the hydrodynamics and the optical mode structure of the plasma waveguide." Clark received his doctorate in 1998 from the University of Maryland, College Park, where his thesis adviser was Howard Milchberg. He is currently a research physicist in the optical sciences division at the Naval Research Laboratory in Washington, DC.

The division of fluid dynamics presented the Fluid Dynamics Prize and the Otto Laporte Award in 1999. The Fluid Dynamics Prize went to **Daniel D. Joseph**, the Regents' Professor and the Russell J. Penrose Professor in the aerospace engineering and mechanics department at the University of Minnesota. According to the award citation, Joseph has earned recognition for "the broad range of his contributions to the stability and bifurcation of fluid flows, rheological fluid mechanics, and fluid mechanics of problems involving liquid–solid boundaries."

The Otto Laporte Award went to **Eli Reshotko**, the Kent H. Smith Professor of Engineering at Case Western Reserve University in Cleveland, Ohio. He was cited for his "lasting contributions and leadership to the understanding of transition to turbulence in high-speed flows and nonhomogenous flows."

ASA Honors Four Scientists

Four individuals received medals and awards from the Acoustical Society of America during the society's 138th meeting, held last month in Columbus, Ohio.

The Trent–Crede Medal was given to **David Feit**, a senior research scientist at the Naval Surface Warfare Center in Bethesda, Maryland. Feit was honored for his contributions to "high frequency noise radiation from submerged structures and to the vibration of fuzzy structures."

Ronald T. Verrillo garnered the Silver Medal in Biomedical Ultrasound/Bioresponse to Vibration for "contributions to the psychophysics and physiology of vibrotactile sensitivity," according to the award citation. Verrillo is a professor emeritus at Syracuse University's Institute for Sensory Research.

The Silver Medal in Noise went to **Larry H. Royster**. A professor of mechanical and aerospace engineering at North Carolina State University at Raleigh, Royster was cited for his "contributions to worldwide hearing conservation."

The Science Writing Award for Professionals in Acoustics went to **Ilene J. Busch-Vishniac** for her article "Trends in Electromechanical Transduction," which appeared in the July 1998 issue of PHYSICS TODAY. Busch-Vishniac is dean of the Whiting School of Engineering at Johns Hopkins University.

Prizes Given at AAPT Meeting in Texas

The American Association of Physics Teachers held its annual summer meeting in San Antonio in August. Five awards were presented at the gathering.

The Robert A. Millikan Medal went to **Alan Van Heuvelen**, a physics professor at Ohio State University. According to the citation, Van Heuvelen received the award for his "outstanding contributions in developing research in physics education" and for his "dedication to the teaching and learning of physics."

The Paul Klopsteg Memorial Lecture Award went to **Michael S. Turner**, the Bruce V. and Diana M. Rauner Distinguished Service Professor and chair of the astronomy and astrophysics department at the University of Chicago. At the meeting, Turner, whose research focuses on the earliest moments of the universe, presented his lecture entitled "Cosmology: From Quantum Fluctuations to the Expanding Universe."

Howard G. Voss was the recipient of the Melba Newell Phillips Award, which is given occasionally to individuals who have made exceptional contributions to physics education through their leadership in

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