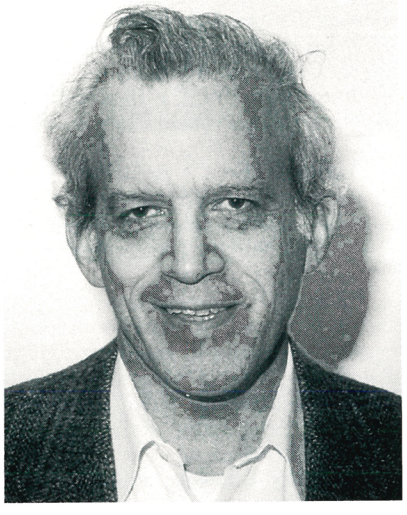
AAPT Awards Presented in Phoenix

During the winter meeting of the American Association of Physics Teachers, held in Phoenix, Arizona, in January, seven individuals were honored for their contributions to physics education and to the association.

The Oersted Medal, AAPT's highest honor, was presented to **Daniel Kleppner**, Lester Wolfe Professor of Physics at MIT. Kleppner was recognized for "his contributions to physics and to the teaching of physics, for the ways in which he challenges his students, at both graduate and undergraduate levels [and] for his highly regarded efforts to entice the larger community to form a connection with physics."

H. Eugene Stanley, University Professor at Boston University, was this year's recipient of the Richtmyer Memorial Lecture Award. The award



DANIEL KLEPPNER

citation praised Stanley's work in statistical mechanics and in education, noting that he "has left a mark on physics and the teaching of physics with not only his graduate students, but with his many efforts to engage students in high schools and universities in interdisciplinary research."

AAPT presented distinguished service citations to the following five people: **Betty P. Preece** (Melbourne High School in Florida); **J. David Gavenda** (University of Texas at Austin); **Clifton Bob Clark** (University of North Carolina at Greensboro); **David R. Sokoloff** (University of Oregon); and **Beverley A. P. Taylor** (Miami University—Hamilton in Ohio).

APS Honors Two at Vancouver Meeting

At last month's Particle Accelerator Conference in Vancouver, British Columbia, two American Physical Society awards were presented.

The Robert R. Wilson Prize was given to **Andrew M. Sessler**, a distinguished senior staff scientist in the accelerator fusion research division at Lawrence Berkeley National Laboratory. Sessler was cited for "a broad range of theoretical and conceptual advances in particle beam dynamics, leading to important accelerator performance improvements; for contributions in the areas of synchrotron rings, including negative mass instability and resistive wall instability, and free electron lasers; for the two-beam accelerator concept; for helping shape the very language of beam physics; and for inspiring and guiding several generations of accelerator scientists and serving as a statesman of science."

Linda Spentzouris garnered the Dissertation in Beam Physics Award for "her pioneering measurements of nonlinear coherent phenomena in high-energy hadron beams, building upon the rich theoretical development in plasma physics over the last several decades. Her findings include the identification of three-wave interactions in beams, and a related phenomenon, echoes, which provides a means to detect extremely weak diffusive processes at work in the beam. Her work serves as a starting point for the understanding of saturation and turbulent states in high-energy synchrotrons." Spentzouris received her PhD from Northwestern University in 1996 and is now a research associate at Fermilab.

OSA Prizes Recognize Optics Contributions

The Optical Society of America has announced the recipients of its awards for 1997. (OSA's Max Born Award and Charles Hard Townes Award were covered in the May issue of PHYSICS TODAY; see page 41).

The Frederic Ives Medal/Quinn Endowment, OSA's highest honor, goes this year to **Tingye Li** for "his leadership and contributions to lightwave science and technology, ranging from fundamental studies of modes in laser resonators to remarkable implementations of advanced optical communications systems." Li is a division manager in AT&T's communications infrastructure research laboratory in Holmdel, New Jersey.

The recipient of the Allen Prize, given for contributions to atmospheric remote sensing while a graduate student, is **Richard L. Collins**, an assistant research professor at the Univer-

TINGYE LI

sity of Alaska's Geophysical Institute. Collins is being cited for "making the first lidar observations of mesospheric sodium, stratospheric temperatures and the seasonal evolution of polar stratospheric clouds on the South Pole and for analyzing the impact of atmospheric gravity waves on the small-scale structure of the Antarctic stratosphere and mesosphere using these data."

H. Angus Macleod is the winner of the Esther Hoffman Beller Medal for "his outstanding record of contributions to the education of the optics community about the properties, design, manufacture and measurement of thin film optical coatings and filters. By emphasis on logical understanding and reasoning, and through the use of new methods in computer-aided design, he has brought clarity and understanding of the field to a generation of researchers and engineers." Macleod is president of Thin Film Center Inc in Tucson, Arizona, and a professor emeritus of optical sciences at the University of Arizona.

William T. Plummer has garnered the Joseph Fraunhofer Award/Robert M. Burley Prize for "his exceptional accomplishments in the field of optical engineering, for making state-of-the-