AIP Recognizes Achievements in Science Writing

The American Institute of Physics has bestowed honors for science writing in several categories.

The 2000 AIP Science Writing Award for Literature Intended for Children went to writer **Jill Frankel Hauser** for her books *Science Play* (Williamson, 1998) and *Gizmos & Gadgets* (Williamson, 1999).

Charles H. Townes is the recipient of the 2000 AIP Science Writing Award to a Scientist for his book *How the Laser Happened* (Oxford U. Press, 1999). Townes, cowinner of the 1964 Nobel Prize in Physics, is a professor of physics in the graduate school at the University of California, Berkeley.

The 2000 Science Writing Award in Broadcast Media went to **Craig Heaps** for two pieces: "Time and Space" and "Space Weather," produced for KTVU, a television station in San Francisco where Heaps is a reporter and producer.

The 1999 Science Writing Award in Broadcast Media was given to **Dan Falk**, a freelance writer and broadcaster in Toronto, Canada, for his radio documentary entitled "From Empedocles to Einstein," which aired on the Canadian Broadcasting Corp network.

Ron Cowen, a staff writer at *Science News*, garnered the 2000 Science Writing Award to a Journalist for his overall excellence in science writing and in particular for his articles "Quantum Leap in Research Draws Cosmic Insight Closer," "Now Hear This!" and "Travelin' Light," which appeared in *USA Today*, *The Washington Post*, and *Science News*, respectively.

The recipient of the 1999 Science Writing Award to a Journalist went to **Michael Lemonick** for his book *Other Worlds: The Search for Life in the Universe* (Touchstone Books, 1999). Lemonick is a senior science writer at *Time* magazine.

OSA Honors Contributions to Optics

The Optical Society of America has announced the following awards for 2000, recognizing the following individuals' contributions to the field.

The Frederic Ives Medal/Jarus W. Quinn Endowment goes this year to **Aleksandr Prokhorov** for his "distinguished contributions and monumental role over the past 45 years in creating and developing quantum electronics," says the awards citation. Prokhorov, cowinner of the 1964 Nobel Prize in Physics, is the honorary director of the General Physics Institute of the Russian Academy of Sciences.

PROKHOROV

Henry Stark, Bodine Distinguished Professor of Electrical and Computer Engineering at the Illinois Institute of Technology in Chicago, is the recipient of the Esther Hoffman Beller Award. Stark is being recognized for the "educational value of his books to the optics community and his successful attempts to enrich the classical engineering curriculum with optics and photonics."

John Warnock, chief executive officer and cochairman of the board of Adobe Systems Inc, in San Jose, California, receives the Edwin H. Land Medal for "significant contributions to the advancement of image processing via software and his personification of the spirit of Edwin H. Land."

The OSA Leadership Award/New Focus Prize goes to **Denis Pelli** for "leadership in visual science and the resulting benefits to artists, scholars, and the visually impaired." The citation notes that Pelli's work has made "significant contributions that have transcended both interdisciplinary and international boundaries." Pelli is a professor of psychology and neural science at New York University.

The Adolph Lomb Award goes to **Mikhail Lukin** for his "contributions to theoretical developments and realization of atomic coherence effects in optics, including lasers without inversion, resonant enhancement of refractive index, and nonlinear processes and spectroscopy of coherent media." Lukin is a postdoctoral fellow of the Institute for Theoretical Atomic and Molecular Physics at Harvard University and the Harvard–Smithsonian Center for Astrophysics.

Paula Heron and **Lillian McDermott** share the Archie Mahan Prize for the "current relevance of their article [in *Optics and Photonics News*] to the important dialogue concerning science education and the accessibility to a general readership through use of clear, well-illustrated examples." Heron is an assistant professor and McDermott is a professor of physics at the University of Washington in Seattle.

The recipient of the David Richardson Medal is **Achim Leistner**, senior specialist with the Commonwealth Scientific and Industrial Research Organization (CSIRO) in Australia. Leistner is being cited for the "development of novel optical fabrication techniques and the design improvement of optical test equipment."

The R.W. Wood Prize is shared by **Paul Davidovits**, **M. David Egger**, and **Marvin Minsky** for "seminal contributions to confocal microscopy." Davidovits is a professor of chemistry at Boston College, Egger is a professor and vice chairman of the neuroscience and cell biology department at the Robert Wood Johnson Medical School at Rutgers University, and Minsky is Toshiba Professor at MIT in the media and artificial intelligence labs.

Remy Avila, an assistant professor at the Instituo de Astronomia UNAM in Morelia, Michoacan, Mexico, receives the Allen Prize for his "outstanding contributions to generalized scidar and grating scale monitor techniques, which permit measurements of optical turbulence profiles in the whole optical path, and of the wavefront outer scale."

The Max Born Award recipient is **Jagdeep Shah**, a researcher at Bell Labs, Lucent Technologies, in Holmdel, New Jersey. Shah is being recognized for his "pioneering contributions in the field of optics and optoelectronics of semiconductors and their heterostructures."

The Joseph Fraunhofer Award/Robert M. Burley Prize goes to **Philip St. John Russell** for "his invention of the photonic crystal fiber, an array of micron-spaced submicron holes allowing extremely large mode area single-mode fibers offering solid-core fibers with better power handling." Russell is a professor of physics and head of the optoelectronics group at the University of Bath in England.

Zhores Alferov, director of the Ioffe Phyisco-Technical Institute in St. Petersburg, Russia, is the winner of the Nick Holonyak Jr Award for his "original investigations of heterostructure injection lasers and [continuous-wave] room-temperature semiconductor lasers."

The Ellis R. Lippincott Award, given jointly by OSA, the Coblentz Society, and the Society for Applied Spectroscopy, goes to **Donald Levy**, Albert A. Michelson Distinguished Service Professor in the chemistry department at the University of Chicago. Levy is being recognized for the "invention of supersonic jet spec-