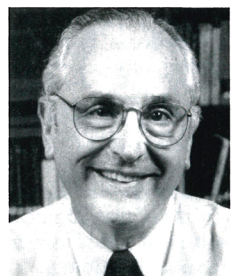


WE HEAR THAT

AAS Names Recipients of 1999 Prizes

The American Astronomical Society has identified the individuals who will receive the society's awards for 1999.

John N. Bahcall, the Richard Black Professor of Natural Sciences at the Institute for Advanced Studies in Princeton, New Jersey, is being awarded the society's highest honor, the Henry Norris Russell Lectureship. The citation notes that Bahcall has



BAHCALL

"worked tirelessly to advance the detection of solar neutrinos" and praises his other notable contributions including "developing the standard methods used to identify absorption

line systems in QSO [quasi-stellar object] spectra, and putting together a comprehensive model of our Galaxy."

The Dannie Heineman Prize for Astrophysics, given jointly by AAS and the American Institute of Physics, is going to **Kenneth C. Freeman**. According to the citation, he has made "seminal contributions to our understanding of the formation, structure, dynamics and evolution of galaxies and their subsystems, both luminous and dark." Freeman is a professor in the research school of astronomy and astrophysics at Australian National University in Canberra.

Lars Bildsten will receive the Helen B. Warner Prize. Bildsten is being cited for "his fundamental work on stellar structure, including nuclear burning on neutron stars, the role of neutron stars as gravity wave sources, suggesting enhancements in planned gravity wave experiments, and the theory of lithium depletion." Bildsten was director of the Theoretical Astrophysics Center and an associate professor of physics and astronomy at the University of California, Berkeley. Beginning this month, he will become a permanent member of the Institute for Theoretical Physics at the University of California, Santa Barbara, as well as a professor of physics there.

The Newton Lacy Pierce Prize is going to **Dennis F. Zaritsky**, currently

an associate professor of astronomy at Lick Observatory and the University of California, Santa Cruz. He is being recognized for his "fundamental and wide-ranging observational work on galaxy structure, dynamics, and evolution, and his leadership in building equipment and performing major directed surveys that address these topics." Zaritsky will become an associate professor of astronomy at the University of Arizona, beginning in September.

The George Van Biesbroeck Prize, given for extraordinary service to the astronomy community, is going to the late **Barry M. Lasker**, an astronomer at the Space Telescope Science Institute in Baltimore, who died suddenly in February (see PHYSICS TODAY, June, page 78). Lasker and his team produced the Digitized Sky Survey and the *Guide Star Catalog* upon which all Hubble Space Telescope observations are dependent. The citation states that he and his team "improved the photometric and astrometric calibrations of the DSS and improved the technology of scanning instruments for multi-aperture research. Thus his work was not limited to the HST requirements alone, but it was a service to all of astronomy." The citation also takes note of Lasker's "selfless devotion to service to the community."

AAPT Awards Presented at Winter Meeting

The following individuals were honored at the 1999 winter meeting of the American Association of Physics Teachers, held in Anaheim, California, in January.

David L. Goodstein received the Oersted Medal, AAPT's most prestigious award. In accepting the award, he

gave a lecture entitled "Now Boarding: The Flight from Physics," in which he discussed the decline in enrollment of undergraduates who major in physics. Goodstein is vice provost, the

Frank J. Gilloon Distinguished Teaching and Service Professor, and a professor of physics and applied physics at Caltech.



GOODSTEIN

The Richtmyer Memorial Lecture Award went to **Wayne H. Knox**, head of the advanced photonics research department at Lucent Technologies, Bell Laboratories in Holmdel, New Jersey. Knox's lecture was entitled "Ultrafast Science and Technology: What an Exciting Time!"

Distinguished Service Citations were given to the following individuals: **Lisa Grable** (North Carolina State University), **Robert Hilborn** (Amherst College), **Marsha Hobbs** (Jackson Preparatory School, Jackson, Mississippi), **H. Tom Hudson** (University of the Incarnate Word), and **Gerard Lietz** (DePaul University).

OSA Recognizes Contributions to Optics

The Optical Society of America has announced the recipients of many of its 1999 awards. Most of these awards will be presented at the society's annual meeting in Santa Clara, California, in September.

The Frederic Ives Medal/Jarus W. Quinn Endowment, OSA's most prestigious honor, is going to **Stephen E. Harris**, a professor of electrical engineering and applied physics at Stanford University. According to the medal citation, Harris is being honored for "pioneering work in nonlinear optics, XUV lasers and laser spectroscopy, from electromagnetically induced transparency and lasing without inversion to nonlinear optics at maximal coherence."



HARRIS

This year's Allen Prize recipient is **Blake G. Crowther** for his "contributions to the development of innovative instrumentation for the retrieval of atmospheric aerosol characteristics by hyperspectral analysis of downwelling irradiance." Crowther is an optical engineer at Space Dynamics Laboratory in Logan, Utah.

Alain Aspect, the leader of the atom optics group at the Institut d'Optique Théorique et Appliquée in Orsay, France, is the winner of the Max Born Award for his "fundamental contributions to quantum optics, including ex-