

WE HEAR THAT

Winners of AAS Divisional Prizes Announced

The following are recent recipients of awards presented by five of the divisions of the American Astronomical Society:

The solar physics division has awarded the 1998 George Ellery Hale Prize to **Richard B. Dunn**, a staff scientist at the National Solar Observatory in Sunspot, New Mexico. Dunn is cited for "his bold and imaginative innovation of instrumentation for solar physics, his discovery of important new phenomena on the Sun, and the impact of his contributions on solar physicists worldwide."

The winner of the 1997 Brouwer Award, given by the division on dynamical astronomy, is **Scott D. Tremaine**. The division cited Tremaine for his theoretical work on a wide range of dynamical problems, including Solar System dynamics and Galactic dynamics, and also for his role as the founding director of the University of Toronto's Canadian Institute for Theoretical Astrophysics, where he is now a professor.

The recipient of the 1997 Bruno Rossi Prize, awarded by the high-energy astrophysics division, is **Trevor C. Weekes**, who is cited for "his key role in the development of very-high-energy gamma-ray astronomy and the discovery of TeV gamma radiation from the Crab nebula and Mrk 421." Weekes is a senior astrophysicist at the Harvard-Smithsonian Center for Astrophysics in Cambridge, Massachusetts.

The historical astronomy division has announced that the first LeRoy E. Doggett Prize for Historical Astronomy goes to **Curtis A. Wilson**, a professor emeritus at St. John's College in Annapolis, Maryland. Wilson is recognized for "his decades of rigorous and exemplary work in the history of 18th and 19th century celestial mechanics, for his editorship and original contributions to Volumes 2A and 2B of the *General History of Astronomy* and for the generations of students he taught and inspired through the reading and study of the works of Ptolemy, Copernicus, Kepler and Newton."

The AAS division for planetary sciences presented three awards in 1997: >**Irwin I. Shapiro**, director of the Harvard-Smithsonian Center for Astrophysics and the Timken University Professor at Harvard University, received the Gerard Kuiper Prize for "his

significant contributions to planetary radar astronomy and applications to fundamental questions in physics."

>The Harold C. Urey Prize went to **Renu Malhotra** for "her insights into our understanding of the orbital evolution of our Solar System and newly discovered objects around other stars." Malhotra is a staff scientist at NASA's Lunar and Planetary Institute in Houston.

>The Harold Masursky Award for Meritorious Service to Planetary Science went to **John Trauger** "for his efforts as principal investigator overseeing the design and construction of the WFPC 2 for the Hubble Space Telescope," which effectively corrected the spherical aberration in the telescope's primary mirror. Trauger is a senior research scientist in the Earth and Space Sciences Division at the Jet Propulsion Laboratory.

OSA Bestows Engineering Excellence Awards

Among the awards presented during the Optical Society of America's annual meeting in Long Beach, California, in October were the OSA Engineering Excellence Awards for 1997. **Paul R. Yoder Jr** was one of the awardees, for "his definitive, highly regarded reference books on opto-mechanical design, as well as his numerous journal articles and many short courses on optical engineering topics." Yoder, a consultant in optical engineering, previously designed optical instruments at Frankford Arsenal and Perkin-Elmer.

The other Engineering Excellence Award was shared by **Donald Combs**, **John Mader**, **Jeffrey Roblee** and **Edward Yobaccio** for "the creation, development and continuous improvement of three ultraprecision machines that have made possible the manufacture of millions of Polaroid cameras that utilize aspherical and nonrotational aspherical elements." Combs, Mader, Roblee and Yobaccio are all optical engineers at Polaroid Corp.

IN BRIEF

Lehigh University has made three new appointments in materials science and engineering. In August, **G. Slade Cargill III**, formerly a professor at Columbia University, became the Sherman Fairchild Chair and professor of materials science and engineering at



DAN A. HAYS, at left, accepts the 1997-98 American Institute of Physics Prize for Industrial Applications of Physics, presented at the AIP Corporate Associates Meeting in Dallas in November. At right is AIP CEO Marc Brodsky. Hays, a research fellow and technical adviser at Xerox Corp's Wilson Center for Research and Technology in Stamford, Connecticut, was cited for his "contributions to the physics of xerography resulting in three generations of innovative new copiers and printers." (Photo by Cecelia Brescia, AIP.)

Lehigh. Also in August, **Wojciech Z. Misiolek**, former director of Rensselaer Polytechnic's Powder Research Laboratory and Aluminum Processing Program, succeeded the retiring **Betzalel Avitzur** as director of Lehigh's Institute of Metal Forming and as the Loewy Chair of Materials Forming and Processing. Misiolek also became an assistant professor of materials science and engineering. In October, **Alwyn Eades** joined Lehigh's department of materials science and engineering as a professor; he had formerly directed the Center for Microanalysis of Materials at the University of Illinois, Urbana-Champaign.

At the 1997 meeting of the Lasers and Electro-Optics Society in November in San Francisco, **Malvin C. Teich** received the 1997 IEEE Morris E. Leeds Award from the Institute of Electrical and Electronics Engineers, Inc, for "outstanding contributions to electrical measurement using infrared and nonlinear heterodyne detection." In an-