OSA RECOGNIZES OUTSTANDING CONTRIBUTIONS TO OPTICAL SCIENCE

Each year, the Optical Society of America presents a dozen awards, medals and prizes in recognition of outstanding contributors to the field of optics. Over the past two years, OSA has presented the following awards in addition to those reported

earlier (July, page 85):

The Frederick Ives Medal for overall distinction in optics, which was introduced in 1929, was given in 1988 to Anthony J. DeMaria for his "outstanding contributions to the field of optics and quantum electronics, particularly the first demonstration of optical, picosecond pulses using modelocked lasers as well as the development of applications of lasers in industry and scientific research." He is also recognized for his contributions to the physics and applications of high-power and far-infrared lasers. DeMaria received his BS in electrical engineering from the University of Connecticut in 1956. After receiving an MS in engineering science from Rensselaer Polytechnic Institute in

1960, he returned to his alma mater and received a PhD in engineering physics in 1965. DeMaria joined Anderson Labs in 1956, and one year later he moved to United Technologies Research Center in East Hartford, Connecticut, where he has remained ever since. He is currently the assistant director of research electronics and electro-optics technologies at the research center. From 1977 to 1982, DeMaria was the editor of the Journal of Quantum Electron-

In 1987 OSA awarded the Ives Medal to Anthony Edward Siegman, citing his "many contributions to the field of quantum electronics, particularly his research on unstable resonators and mode-locked lasers, as well as contributions to the education of a generation of optical scientists." Siegman received his AB in engineering science and applied physics from Harvard College in 1952. He went on to receive an MS in applied physics from the University of California, Los Angeles, in 1954 and a PhD in electrical engineering from Stanford University in 1957. He began teaching at Stanford in 1956, and has been a professor of electrical engineering there since 1965.

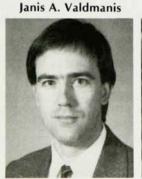
In 1988 Janis A. Valdmanis received the Adolph Lomb Medal "in recognition of his demonstration that the electro-optic effect in conjunction with short optical pulses could be used to measure electrical waveforms with subpicosecond resolution and millivolt sensitivity." The biennial medal recognizes noteworthy contributors to optics who are under the age of 30. Valdmanis graduated from Purdue University with BS degrees in math and physics and completed his PhD in optics in 1983 at the University of Rochester. He joined the technical staff of AT&T Bell Laboratories in 1983. In 1988, he became an associate professor in the electrical engineering and computer science department at the University of Michigan, where he is associate director of the

Anthony J. DeMaria



Anthony E. Siegman





Janusz S. Wilczynski



John W. Evans



Daniel S. Chemla



David A. B. Miller

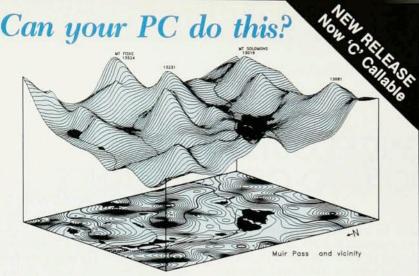


David E. Aspnes



Adolf W. Lohmann





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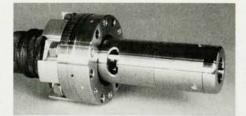
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Janusz S. Wilczynski was awarded the 1988 David Richardson Medal for "the theoretical, experimental and mechanical skills that he demonstrated in the development of optical systems with micrometer resolution that are suitable for the manufacture of semiconductors." This annual medal honors distinguished contributions to applied optics, emphasizing achivement in technical optics. Wilczynski earned a master's degree in physics in 1957 at Jagellonian University in Poland, and received a PhD in physics and optics from Imperial College, London, in 1961. The following year, he joined the IBM Thomas J. Watson Research Center, where he is currently director of packaging technology.

OSA presented the 1987 Richardson Medal to John W. Evans to honor "a lifetime of constant devotion to the advancement of technical optics through an understanding of optical principles and the creative application of these principles to novel and original designs of optical instrumentation." Evans graduated from Swarthmore College in 1932 with a BA in mathematics and physics, and received a PhD in astronomy from Harvard University in 1938. In 1952 he became director of Sacramento Peak Observatory, now a part of the National Solar Observatory. Between 1975 and 1979 he was a senior scientist at the observatory, and since then he has been a consultant there.

OSA awarded its 1988 R. W. Wood Prize jointly to Daniel S. Chemla and David A. B. Miller "in recognition of their observation of enhanced, nonlinear optical properties in quantumconfined semiconductor structures and their observation of the quantumconfined Stark effect in quantum wells." The annual Wood Prize recognizes work with a significant impact on all of optics. Chemla received a PhD in physics in 1972 from the University of Sciences in Paris, and then joined the technical staff at the Centre National d'Etudes des Telecommunications. In 1981 he joined the technical staff at Bell Labs, and since 1983 he has headed the quantum physics and electronics research division at AT&T's electronics research lab. Miller graduated from the University of St. Andrews in Scotland with a BSc in physics, and received a PhD in physics from Heriot-Watt University in 1979. He remained at Heriot-Watt as a researcher and lecturer until 1981, when he too joined the technical staff of Bell Labs.