

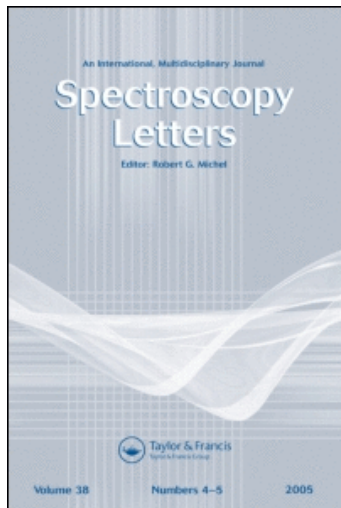
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NEWS RELEASE

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FOR IMMEDIATE RELEASE

Optical Society Medalists for 1978

The Board of Directors of the Optical Society of America has authorized presentation of awards to three outstanding optical scientists at the 1978 annual meeting of the Society. The 1978 R. W. Wood Prize will be presented to Peter P. Sorokin; the 1978 Ellis R. Lippincott Award will be presented to Bryce L. Crawford, Jr.; and the 1978 William F. Meggers Award will be presented to Robert P. Madden.

The 1978 Wood Prize is awarded to Sorokin for his contribution to the development and application of tunable lasers exemplified by his discovery and demonstration of the first organic dye laser. He joined the IBM T. J. Watson Research Center as a staff physicist in 1957 after completing graduate studies in applied physics at Harvard University. He currently holds the position of IBM Fellow. Dr. Sorokin's contributions to quantum optics are numerous and include discovery of the second and third solid state lasers and invention of the passive laser Q-switch. In 1966, he discovered stimulated emission from an organic dye, pumped by a giant-pulse ruby laser. The wide tunability of dye lasers has opened new fields of research in both chemistry and physics. The R. W. Wood Prize was established in 1975 to recognize an outstanding discovery, scientific or technological achievement, or invention in

the field of optics. The prize consists of a cash award of \$1,000 and a scroll, and is supported by a five year grant from the Xerox Corporation.

Bryce L. Crawford, recipient of the Lippincott Award, is cited for his many contributions to the field of experimental and theoretical vibrational spectroscopy during a career that has spanned more than forty years. He has done significant work in molecular dynamics in liquids, vibrational intensities and simultaneous transitions in gases and in the theoretical treatment of normal coordinates. Dr. Crawford, Professor of Physical Chemistry at the University of Minnesota, received his education in chemistry at Stanford University. He has been a member of the faculty at Stanford, Harvard and Yale Universities. He joined the faculty of the University of Minnesota in 1940 and has served as Chairman of the Chemistry Department and Dean of the Graduate School. He has held Guggenheim and Fulbright fellowships. He is a member of the National Academy of Sciences. The Lippincott Award is a joint award of the Optical Society of America, the Coblenz Society, and Society for Applied Spectroscopy. The award has been presented annually since 1976 to an individual who has made significant contributions to vibrational spectroscopy.

The Meggers Award is being presented to Robert P. Madden for his pioneering experiments which demonstrated the effective use of synchrotron radiation as a source for extreme ultra-violet spectroscopy, and for ultra-violet spectroscopy of the inert gases, including the study of inner shell excitation and auto-ionizing states. Madden received the bachelors degree in physics from the University of Rochester and Doctoral degree from Johns Hopkins University. He was a physicist with the U.S. Army Engineering Research and Development Laboratories from 1958 to 1961, and then joined the National Bureau of Standards. He is principal scientist of the far ultra-violet physics group. He is the recipient of awards from the Department of Commerce and from the Washington Academy of Sciences. He was a member of the Board of Directors of the Optical Society from 1966 to 1968. The Meggers Award

was established by the Society in 1970 to recognize outstanding work in spectroscopy. The award is presented annually.

The awards will be presented at the annual meeting of the Optical Society of America to be held October 31 thru November 3 in San Francisco, California. Other awards to be presented at the meeting include the Frederic Ives Medal to Harold H. Hopkins; the Adolph Lomb Medal to Eli Yablonovitch; the David Richardson Medal to Thomas J. Johnson; and the Edgar D. Tillyer Award to Gerald Westheimer.

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