

Wolf, Maréchal and Siegmund chosen for optics awards

Emil Wolf (University of Rochester), André Maréchal (Institut d'Optique Théorique & Appliquée, Paris) and Walter P. Siegmund (American Optical Corp) have been chosen to receive the three highest awards of the Optical Society of America in 1977.

Wolf will receive the Frederic Ives Medal, which consists of a silver medal and citation and is given for overall distinction in optics. Born in Prague, Wolf lived in England, 1940-59, and received his PhD from Bristol University in 1948. He emigrated to the US in 1959, becoming professor of physics at the University of Rochester in 1961. Wolf has held visiting professorships at the University of California, Berkeley and New York University. His research has been primarily in the field of electromagnetic theory and physical optics, especially diffraction and the theory of partial coherence. This year Wolf is serving as president-elect of the Optical Society.

Maréchal, who is a professor at the University of Paris and is director of the Institut d'Optique, will receive the C.E.K. Mees Medal for 1977. The Mees Medal is awarded biennially to a scientist who "exemplifies the thought that optics transcends all boundaries." The recipient



WOLF



MARECHAL



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must also live and work outside of North America. Maréchal is known for his theory of diffraction, as it applies to optical-imaging systems. He has published a text on geometrical optics and has written a book with Maurice Françon on *Diffraction and the Structure of Images*. A past-president of the International Commission on Optics, Maréchal became director of the Institut d'Optique in 1966. He has also served on numerous advisory committees to the French Government on its policies towards science and technology.

Siegmund is currently technical manager of the fiber-optics department of

American Optical Corp, Southbridge, Mass. He has been named recipient of the David Richardson Medal, which recognizes contributions to allied optics. He earned his doctorate at the University of Rochester in 1952 and joined the staff of American Optical the following year. He has held his current position since 1965 and his research interests include the development of new fiber-optics applications, the improvement of the performance of fibers and new manufacturing methods.

These awards will be presented at the Fall meeting of the Optical Society of America in Toronto, 9-14 October.

New York Academy honors physicists

The New York Academy of Sciences has presented eleven scientific awards for 1976. Among the recipients were Benjamin Widom, Gerald E. Brown and Alvin M. Weinberg.

The Boris Pregel Award for Research in Chemical Physics, including a citation, medal and honorarium, was presented to Widom, who is a professor of chemistry at Cornell University.

Brown is a professor of physics at the State University of New York, Stony Brook. He was the recipient of the Boris Pregel Award for Research in Nuclear Physics and Nuclear Engineering—an honorarium, certificate and medal were included.

The New York Academy of Sciences Award, consisting of \$1000 and citation, was given to Weinberg, director of the

Institute for Energy Analysis, Oak Ridge Associated Universities.

The awards were presented at the Academy's 159th Annual Meeting in December 1976.

Engineering award given to Deissler of NASA

Robert G. Deissler, technical consultant in fluid physics for the physical science division of NASA's Lewis Research Center (Cleveland, Ohio), has been presented the 1976 Max Jacob Memorial Award. The award is given annually for work in the area of heat transfer and is sponsored jointly by the ASME and AIChE.

Deissler studied engineering at Case Western Reserve University and joined NASA in 1947. He was appointed to his present position in 1972. He was cited for his contributions to the theory of turbulence and turbulent transfer.

Hodgkin receives ACA Frankuchen Award

The American Crystallographic Association has chosen Dorothy Hodgkin as the recipient of its Frankuchen Award in X-ray Crystallography. She will receive the award for "outstanding contributions to the teaching of crystallography and for fundamental and fruitful investigations in the many areas of crystal-structure analysis."

Hodgkin, who is a physical chemist at Oxford University, was born in Cairo and raised in the Sudan. She studied as an undergraduate at Somerville College, 1928-31, and then attended Cambridge University until 1934. That year she joined the faculty of Oxford University. She has received honorary doctorates from Leeds, Manchester and Cambridge Universities.

Perhaps best known for her work on