

we hear that

AIP presents Industrial Applications of Physics Prize

The American Institute of Physics will present the first prize for Industrial Applications of Physics to Robert D. Maurer of the Corning Glass Works. The award, to be presented at The American Physical Society's March Meeting in Washington, D.C., was established to emphasize industrial applications of physics, to publicize and encourage physics research in industry and to enhance awareness of the role physics plays in industrial research. The Prize has been established by the AIP with funds contributed by its Corporate Associates through their membership dues.

Consisting of \$5000, a travel allowance and a certificate, the Prize will be given for Maurer's contributions "made to the practical application of optical communications through the understanding and discovery of materials and techniques for the fabrication of glass fiber waveguides."



MAURER

Maurer's work at Corning has focussed on the physical properties of glasses and materials-research problems involving glasses and crystallizing glasses for elec-

tronic and optoelectronic applications. As manager of applied-physics research at Corning since 1963, he has extensively investigated photosensitive processes, lasers and optical shutters. Since becoming manager of special projects in optical-waveguide technology his research goals have been aimed at improving waveguide performances.

Maurer received a PhD from the Massachusetts Institute of Technology in 1951 and, following graduation, he spent a year in low-temperature research at MIT. He joined Corning the next year.

He is a member of the National Research Council Committee on Telecommunications and was the recipient of the George W. Morey award of the American Ceramic Society.

Maurer was selected by an Award Committee appointed by the AIP Governing Board. Future awards will take place every two years.

New York Academy of Sciences honors eleven

Eleven distinguished scientists were presented with awards at The New York Academy of Sciences' 160th Annual Meeting held on 8 December at the Hayden Planetarium in New York City. Six of the eleven recipients were physicists or workers in physics-related fields. Honoring scientists for their outstanding accomplishments in a wide range of areas, the Academy paid tribute this year to such work as the study of fluorocarbon-induced ozone depletion, basic genetic research and "big bang" microwave remnants.

P. James E. Peebles, professor of physics at Princeton University, was presented with the A. Cressy Morrison Award in Natural Sciences in recognition of his work in astronomy and cosmology. Peebles's interpretation of cosmological microwave background radiation was cited as especially significant.

Sidney Coleman, one of the leaders in the development of modern field theory and a major contributor in the area of elementary-particle physics, was presented with the Boris Pregel Award for Research

in Nuclear Physics and Nuclear Engineering. Coleman, professor of physics at Harvard University, was cited for his clarification of problems in symmetry breaking and hidden symmetries in field theory.

The Academy's Presidential Award was given to Alexander Rich, the Sedgewick Professor of Biophysics at the Massachusetts Institute of Technology. Cited for his work in molecular biology, Rich is perhaps best known for his discovery of polyribosomes, and for the development of a three-dimensional structure for transfer RNA, a molecule that plays a vital role in decoding genetic messages.

Professor of engineering and mathematics Julian D. Cole of the University of California, Los Angeles, received the I.B. Laskowitz Award for Research in Aerospace Engineering, Support Systems and Components. Cole's research centered on problems in fluid mechanics and aerodynamics.

Nicholas Turro, Columbia University professor of chemistry, was presented with the Freda and Gregory Halpern Award in Photochemistry. Turro's studies focus on singlet- and triplet-state ketones and have involved the applica-

tion of laser techniques to organic photochemistry.

Frank S. Rowland, chemistry professor at the University of California, Irvine, received the Gordon Y. Billard Award for Research in Environmental Sciences for his work on the kinetics of hot atoms and on atmospheric ozone depletion.

Also receiving awards at the ceremony were:

Harry Shapiro, retired curator at the American Museum of Natural History, for work in human biology and evolution; Donald Brown of the Carnegie Institution for contributions to molecular biology; Walter Gilbert of Harvard University for gene structure studies; Igor Tamm, senior physician at Rockefeller University, for work in controlling influenza viral infections, and Robert Krane of Rutgers Medical School for physiological research.

Juan G. Roederer, previously a professor and senior research physicist at the University of Denver, has been appointed the director of the University of Alaska's Geophysical Institute. Roederer fills the spot left vacant when the former director