

of Mathematical Sciences, National Research Council, 2101 Constitution Ave. N. W., Washington, D. C. 20418.

Travel grants from the National Research Council Math Division are available for congresses to be held during August 1974. Applications can be obtained from Math Division, National Research Council, Washington, D.C. 20418 and are due 31 December.

An updated version of the National Bureau of Standards metric wall chart, NBS Special Publication 304 (Revised October 1972), is available from the US Government Printing Office, Washington, D. C. 20402, for \$0.55 each. A smaller version of the chart, NBS Special Publication 304A, is available for \$0.25.

The National Science Foundation has released two reports. *Federal Funds for Research, Development and Other Scientific Activities, Fiscal Years 1971, 1972, and 1973*, Vol. 21 (NSF 72-317), is available from the

US Government Printing Office, Washington, D. C. 20402, for \$2.75 per copy. *Scientists, Engineers, and Physicians From Abroad, Trends Through Fiscal Year 1970* (NSF 73-312) can be obtained for \$1.00 a copy.

Technology Assessment, a journal devoted to the examination of problems arising from man's use of technology, is being published by Gordon and Breach Science Publishers, 441 Park Ave South, New York, N. Y. 10017, at an individual subscription rate of \$16.00 per four-issue volume. Other special rates are available. The journal is the official publication of the International Society for Technology Assessment.

A new Data Center specializing in spectral line shapes and shifts has been established at the National Bureau of Standards. The Center will collect and catalogue all relevant literature and publish bibliographies and critical reviews of various topics in atomic line broadening.

Collective Phenomena: An International Journal of Discussion and Speculation has recently begun publication. It is available from Gordon and Breach Science Publishers, Inc., 440 Park Ave, New York, N. Y. 10016 at \$15.00 for individuals and \$45.00 for others.

A National Science Foundation report, *An Analysis of Federal R&D Funding by Function, FY 1963-73* (NSF 72-313), is available from the US Government Printing Office, Washington, D. C. 20402, for \$2.50 a copy.

With the assistance of the National Science Foundation the University of Pennsylvania has established the National Center for Energy Management and Power. The Center offers an interdisciplinary graduate program in energy management and power. For information write Iraj Zandi, Chairman, Graduate Group of Energy Management and Power, University of Pennsylvania, Philadelphia, Pa. 19104.

the physics community

Society of Rheology announces new officers

The new officers of the Society of Rheology are president Ronald S. Rivlin, vice-president Jack R. Knox and secretary Robert A. Mendelson.

Rivlin, the Centennial University Professor and director of the Center for the Application of Mathematics at Lehigh University, succeeds F. R. Eirich of the Polytechnic Institute of New York. A native of England, Rivlin received his doctorate in mathematics from Cambridge University in 1952. He taught for fourteen years at Brown University before going to Lehigh in 1967.

Vice-president Knox, a research associate at Amoco Research Laboratories, Naperville, Ill., will become president of the Society in two years. Knox worked as a research chemist with E. I. du Pont de Nemours & Co from 1952 to 1960, when he joined Avisun Corp. He holds a PhD in physical chemistry from the University of Delaware (1963).

Mendelson is a research specialist at Monsanto Corp in Indian Orchard, Mass. He has worked with Monsanto ever since completing his doctorate in chemistry at Case Western Reserve University in 1956.

Newly elected executive committee members-at-large are Irvin M. Krieger, professor of physical chemistry and macromolecular science at Case Western Reserve, and L. J. Zapas of the National Bureau of Standards.

Treasurer Edward A. Collins, a development consultant to B. F. Goodrich, and the Society's editor Raymond R. Myers, professor and chairman of the chemistry department at Kent State University, will continue in their posts.

Leo Goldberg becomes president of IAU

Leo Goldberg, director of the Kitt Peak National Observatory, was elected to a three-year term as president of the International Astronomical Union at the organization's recent general assembly in Sydney, Australia. He replaces retiring president Bengt Strömberg of Denmark.

Goldberg assumed the directorship of the Kitt Peak Observatory in 1971. Prior to that time he was chairman of the department of astronomy and director of the Harvard College Observatory (1966-71). Although he has made contributions in a variety of areas, his primary research interests have to do with atomic structure theory and its application to astrophysical problems.

Four new officers elected by OSA

Newly elected officers of the Optical Society of America for the coming year are president-elect Arthur L. Schawlow of Stanford University and directors-at-large John G. Conway of Lawrence



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Berkeley Laboratory, Charles J. Koester of the American Optical Corp and Douglas C. Sinclair of the Institute of Optics, University of Rochester. Directors-at-large serve a two-year term.

In 1958 Schawlow, in collaboration with Charles H. Townes, demonstrated for the first time that lasers were technically feasible. At Stanford, where he has been since 1961, Schawlow's research has dealt with the optical spectra of ions in crystals, lasers, and their scientific spectroscopy. During 1951-61 Schawlow worked on the staff of Bell Laboratories. He holds a doctorate from the University of Toronto (1949). □