

New Journal

Another new addition to the list of journals published by Pergamon Press is *Quantitative Spectroscopy and Radiative Transfer*, a publication intended to reach an audience of astrophysicists, spectroscopists, heat-transfer specialists, and physical chemists. The editor-in-chief is S. S. Penner of the California Institute of Technology. Subjects expected to be covered in the journal are: theoretical and experimental determination of f -numbers or absolute intensities for atomic and molecular systems; theoretical and experimental studies on spectral line shapes and widths; emissivities of heated gases, liquids, and solids; flame temperatures and flame emissivities; emission of radiation from heated gases, liquids, and solids; long-range detection of radiating sources; quantitative spectroscopic techniques for environmental studies, particularly those related to rocket flights and satellite exploration; shock-tube studies in which the emphasis is on quantitative spectroscopy; and radiant-energy emission from plasmas.

The journal plans to publish 320 pages per year. Subscription information is obtainable from Pergamon Press, Inc., 122 East 55th St., New York 22, N. Y.

Paperbacks

A new series of paperbound books on physics is being inaugurated this fall by W. A. Benjamin, Inc. Edited by David Pines of the University of Illinois, the series, called "Frontiers in Physics", is intended as an effort to improve communication in those fields of physics which are developing so rapidly that a formal monograph is impractical. Publication of recent lecture-note material which reflects both a consistent account of a given area and a definite point of view concerning it will be encouraged. Reprints of classic and contemporary journal articles will also appear. The first seven volumes, priced at \$3.50 each, will appear this year. Their authors include N. Bloembergen, G. F. Chew, R. P. Feynman, H. Frauenfelder, D. Pines, and L. Van Hove.

The first titles in a new series of fifty-cent paperback books, designed to introduce high-school students to specialized areas of science, will be issued during the next few months by the National Science Teachers Association and Scholastic Book Service, a division of Scholastic Magazines, Inc.

Called "Vistas of Science", the series will be prepared under the guidance of NSTA's Editorial Committee. Each book is to be organized in three sections: a summary of what is already known about the field, unsolved problems, and projects on which students can work. Three of the books are nearing completion: *The Living Cell* (tentative title), by William Deering; *Spacecraft*, by James J. Haggerty, Jr.; and *Measurement: The Basis of All Science* (tentative title), by William J. Youden, Sr.

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