

New AIP publications

The American Institute of Physics has recently published an up-to-date index to *The Physical Review and Physical Review Letters*, the first volume of *Soviet Physics—Crystallography*, and will begin publishing the *Chinese Journal of Physics* in December.

A cumulative author index for *The Physical Review*, vols. 121–140 and *Physical Review Letters*, vols. 6–15, covering the years 1961 through 1965, is now available. More than twice as large as the previous five-year index, the new 594-page volume contains some 23 000 author entries, referring to approximately 8150 *PR* articles and 2500 *PRL* articles. Compilation of the index employed a Listomatic process in which the total entry (title, all authors and reference) is reproduced for each author, making the volume simpler and faster to use. The price is \$5 to APS members; \$7 to others. Orders should be addressed to Dept. AP at AIP.

Volume I of *Soviet Physics—Crystallography*, covering the year 1956, has been published by the institute. Edited by David Harker, the 716-page volume includes a set of articles on colored symmetry and several special color plates. Orders, at \$50 each, may be sent to Department BN at AIP.

The *Chinese Journal of Physics*, a translation of *Acta Physica Sinica* published in Peking, will be produced and distributed by AIP beginning with the 1966 issues of the Chinese original. Supported by a National Science Foundation grant, the journal is scheduled for monthly publication starting in December. Individuals and institutions may order the journal (\$50 domestic, \$54 foreign) from AIP.

Symposium proceedings

Two symposium proceedings are included in the *Transactions of the American Crystallographic Association*, Volume 2. They cover the meeting on machine interpretations of Patterson functions and alternative direct ap-

proaches and the Austin symposium on gas-phase molecular structure, both held at Austin, Tex., 28 Feb.–2 March, 1966. W. F. Bradley and Harold P. Hanson (University of Texas) are editors. Copies are available (\$5) from Polycrystal Book Service, P O Box 11567, Pittsburgh, Penna. 15238.

Proceedings of an international symposium on *Basic Problems in Thin Film Physics*, held at Clausthal and Göttingen, Germany, in September 1965, are now available. Edited by H. Mayer and R. Niedermayer, the 700-page volume contains review papers and current research reports on thin-film growth and structure, magnetic and optical properties, and questions of electron emission. Further details are obtainable from Vandenhoeck & Ruprecht, Postfach 77, 34 Göttingen, West Germany.

Two volumes containing important papers from the first Tokyo summer institute of theoretical physics in Sept. 1965 have been issued by W. A. Benjamin. The first volume, *Many-Body Theory*, is priced at \$6.75; the second volume, *High Energy Physics*, is \$5.75. Both books can be obtained from W. A. Benjamin, 1 Park Avenue, New York, N.Y. 10016.

New journals

A new quarterly *Journal of Computational Physics*, edited by Berni J. Alder, Sidney Fernbach and Manuel Rotenberg, has been launched by Academic Press. The publication is devoted to papers on computational aspects of physical problems, and in-

dividual subscriptions at \$10 per year can be obtained from Academic Press, 111 Fifth Avenue, New York, N. Y. 10003.

A bimonthly *International Journal of Quantum Chemistry*, devoted to quantum mechanics and applications in the theory of atoms, molecules and crystals, is being planned for January 1967. Per-Olov Löwdin (Uppsala) will serve as executive editor and will be assisted by Jean-Louis Calais (Uppsala) and Yngve Öhrn (University of Florida). Further information can be obtained from the publishers, John Wiley & Sons, 605 Third Avenue, New York, N. Y. 10016.

Gordon and Breach, Science Publishers, have announced that they intend to publish a new journal called *Astrophysical Letters* early next year. An international advisory board headed by E. Schatzman, head of the Institut d'Astrophysique, Paris, will direct the publication. Further information can be obtained from Gordon and Breach, Science Publishers, 150 Fifth Avenue, New York, N.Y. 10011.

Gordon and Breach also intends to publish a quarterly journal entitled *Thin Films*. Under the editorship of Allen Goland (Brookhaven), the journal will cover transport properties, superconductivity, magnetic and optical properties, film structure and growth and application of thin films to studies of the defect solid state.

Radiochemistry source book

The National Academy of Sciences–National Research Council has issued the 1965 revised edition of *Source Material for Radiochemistry* (publication 1351). Topics covered in the 77-page bibliography include basic nuclear physics and chemistry, radiochemical separation and counting techniques, radiochemical applications to some major chemical fields, radioactive isotopes, design of radiochemical laboratories and radiological safety. Copies can be obtained for \$1.50 each from the NAS-NRC Printing and Publishing Office, 2101 Constitution Avenue, Washington, D.C. 20418. □

