

Journals

Soviet Physics—Crystallography, the Russian crystallographic journal translated by the American Institute of Physics, will devote the entire 152 pages of vol. 11, no. 1, to a ten-year subject-and-author index (1956-65). The index can be ordered in July from AIP separately (\$8) or as part of a subscription to vol. 11 (\$35).

Within the next two or three months, AIP will publish the first complete English translation of *Soviet Physics—Crystallography*, vol. 1. The AIP translation program began with Vol. 2. Six 1956 issues, covering 819 original Russian pages, will be sold in a one-volume, soft-cover version for \$50.

North-Holland Publishing Company of Amsterdam is adding to its collection of journals the *International Journal for Crystal Growth*. A board composed of M. Schieber, National Magnet Laboratory (principal editor), N. Cabrera, University of Virginia, and B. Chalmers, Harvard University, is soliciting theoretical and experimental contributions to the following: theory of nucleation and growth; molecular kinetics and transport phenomena and crystallization in viscous media; crystal growth of metals, minerals, semiconductors and magnetic, inorganic, organic and biological substances in bulk or as thin films; apparatus, instrumentation and techniques for crystal growth and purification; and characterization of single crystals by physical and chemical methods. Papers will be accepted for review in July.

Initially the journal will be published quarterly in issues of about 100 pages. The price will be \$20 a volume. A descriptive leaflet is available on request from North-Holland Publishing Company, Nieuwe Zijds Voorburgwal 68-70, PO Box 103, Amsterdam C, The Netherlands.

Volume 1, number 1 of a new bimonthly North-Holland journal, *Earth and Planetary Science Letters*, was published last January. Subtitled *A Letter Journal Devoted to the Development*

in Time of the Earth and Planetary System, the publication's first issue deals mostly with the distribution of elements and isotopes. Contributions are acceptable in English, French or German, but must be accompanied by an English abstract. The price of a 500-page volume is \$16. Subscriptions should be sent to the publishers.

Chapman and Hall of London are the publishers of the new *Journal of Materials Science*, which appeared in February this year. One mission of the publication is to consolidate papers that have heretofore been scattered by the interdisciplinary nature of the field. The journal will also provide a forum for writers on certain types of composite materials for which there is at present no obvious publication medium and "review" or "tutorial" papers on all sorts of materials.

The new publication will appear quarterly at first at an annual subscription of \$23 (single copies \$7). An approval copy is available from Chapman and Hall, Ltd., 11 New Fetter Lane, London EC 4, England.

Beginning this year *Acta Physica*, the official physics publication of the Hungarian Academy of Sciences, will appear in two annual volumes, each containing about 400 pages. Subscriptions *per volume* are \$8.50.

The journal publishes original research in quantum mechanics and chemistry, solid-state physics, thermodynamics and statistical mechanics, elementary particles, spectroscopy, luminescence, crystal physics, nuclear physics, etc. Contributions are printed in English, German, French or Russian, with multilanguage abstracts.

The editor is P. Gombas, Hungarian Academy of Sciences, Budapest V, Alkotmany utca 21, Hungary.

Twenty-nine Russian scientific journals will appear in cover-to-cover English translations this year through the auspices of the Faraday Press. Seventeen of the journals are brand new—evidence, the publisher says, that the "information explosion" is a wide-

spread phenomenon. They are specialty journals whose contents would otherwise be divided among more general periodicals. Along with twelve established journals, they cover a wide spectrum—from astrophysics to radiophysics. Some lean toward the theoretical and experimental; some are applied. The list also contains the titles of journals, on genetics, chemistry, engineering, mathematics, etc.

For a complete catalog, including sample contents and prices, write to The Faraday Press, Inc., 84 Fifth Avenue, New York, N.Y. 10011.

McGraw-Hill encyclopedia

A second, revised edition of the 15-volume *McGraw-Hill Encyclopedia of Science and Technology* was published in January. Covering all the physical, life, earth and engineering sciences, the work relates the basic concepts and technology of each field. Of the 7400 articles, many have been revised or completely rewritten. New material has been added.

Two new volumes are offered with this edition of the encyclopedia: *McGraw-Hill Modern Men of Science* (biographical material on 400-plus scientists and engineers) and *McGraw-Hill Basic Bibliography of Science and Technology* (8000 titles under subject heads corresponding to article titles in the encyclopedia).

Further information can be obtained from the Encyclopedia and Subscription Book Division, McGraw-Hill Book Company, 331 West 41st Street, New York, N.Y. 10036.

Handbook

Academic Press has published a *Handbook of Series for Scientists and Engineers* for use when an integral can be solved by expanding one of the functions in the integrand in a series and integrating the result term by term. Part 1 consists of rules for series operations; part 2 contains the expansions of frequently used functions in various series according to functions; part 3 lists sums of series

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according to the features of their general terms. The book covers algebraic, trigonometric, Bessel and Legendre functions and series. Priced at \$6.95, it is available from Academic Press, 111 Fifth Avenue, New York, N.Y. 10003.

Bibliography

Most Significant New Books on Physics/1964 is the title of a publication jointly issued by The Documentation & Supply Center of Robert Maxwell & Co., Ltd., Oxford, England, and the Documentation & Procurement Center, Division of Maxwell Scientific International Inc., Long Island City, New York, N.Y. According to the publishers, "Selection is guided largely by a survey of reviews given in important journals and, whenever possible, an extract has been quoted from a published review." The book lists 116 titles.

While they last, copies can be obtained free from Ruth ten Raa, Editor, Maxwell Scientific International Inc., Documentation & Procurement Centre, Headington Hill Hall, Oxford, England.

Dictionary

The Odyssey Scientific Library has issued a 333-page *Dictionary of Physics and Mathematics Abbreviations, Signs and Symbols*. DPMA, as the book is called, is based on the recommendations of a variety of groups working toward standardization of physical and mathematical shorthand. The groups include learned societies, government agencies and international organizations.

Listings in the book comprise eight divisions: abbreviations for use in text; letter symbols; mathematical signs and symbols; abbreviations for scientific and learned societies; abbreviations for government and military departments, agencies and offices; a table of chemical elements; a table of roman numerals; and sources of standards and documents. The listings total about 1000 and are cross-indexed where possible.

Priced at \$20, DPMA can be ordered from The Odyssey Press, 55 Fifth Avenue, New York, N.Y. □