

Title Announcement Bulletin

A new service inaugurated by the Armed Services Technical Information Agency (ASTIA) is the distribution of the *Title Announcement Bulletin*, a booklet to be issued at frequent intervals providing the titles and availability of new technical literature. Of the thirty-three subject divisions employed by ASTIA scientific and engineering topics predominate, although such fields as transportation and military equipment are also covered. The *Bulletin* gives only the titles, with abstracts of the material being available upon request. Each issue is in two parts, one devoted to documents available directly from ASTIA and the other to documents and journal papers obtainable only from the issuing agency or institution itself. Further information may be secured from the Document Service Center, Armed Services Technical Information Agency, attn.: DSC-S, Knott Building, Dayton 2, Ohio.

Nuclear Data

Sets of punched cards making use of the McBee Key-sort system in classifying many of the properties of the almost 1200 known nuclides are available from Radioactive Products, Inc., 443 West Congress, Detroit 26, Michigan. This system, described by Bonino and Laing in the February 1953 issue of *Nucleonics*, allows the rapid selection of nuclides by nine major characteristics, among which are mass number, stability or radioactivity, availability, type of radiation, half-life, and energy of radiations. The manufacturer may be contacted for further information.

Acoustics

As George W. Swenson writes in his preface to *Principles of Modern Acoustics* (223 pp., D. Van Nostrand Co., Inc., 1953, \$4.00), "the purpose of this book [is] to outline the more important fundamental methods of analysis of acoustical systems. . . ." The work accomplishes its purpose precisely and with great economy of space. The major part of the volume concerns the method of analyzing acoustical systems of various simple types by means of clearly expressed electrical analogies. The book should be useful as a review for acoustical engineers, and as an introduction to the method of using electrical analogies to describe acoustical systems mathematically for physics majors in the third or fourth year of college.

Student Monographs

The first four monographs of a series on various topics in applied physics have been published by The (British) Institute of Physics, 47 Belgrave Square, London, S. W. 1. H. R. Lang is the general editor of the series which is intended for general reading by students. The individual volumes, each about fifty pages long and paperbound, sell for 5s (70¢). The following are now available: *The Magnetic Circuit* and *Soft Magnetic Materials Used in Industry*, both by A. E. DeBarr, and *Practical Thermometry* and *Fundamentals of Thermometry*, both by J. A. Hall.

Books Received

THE COMETS AND THEIR ORIGIN. By R. A. Lyttleton. 173 pp. Cambridge University Press, New York, 1953. \$5.00.

LE CONTRASTE DE PHASE ET LE CONTRASTE PAR INTERFÉRENCES (15-21 Mai 1951). By Maurice Françon. 264 pp. Revue D'Optique Théorique et Instrumentale, Paris, France, 1952.

THE THEORY OF HOMOGENEOUS TURBULENCE. By G. K. Batchelor. 197 pp. Cambridge University Press, New York, 1953. \$5.00.

CELLULOSE THE CHEMICAL THAT GROWS. By Williams Haynes. 386 pp. Doubleday and Co., Garden City, New York, 1953. \$4.00.

TELEVISION RECEIVER DESIGN. Monograph I, I. F. Stages. By A. G. W. Uitjens. 177 pp. Philips' Technical Library, Holland; U. S. distributors: Elsevier Press, Inc., Houston 6, Texas, 1953. \$4.50.

EXPERIMENTAL NUCLEAR PHYSICS. Vol. I. Contributors: H. Staub, H. Bethe and J. Ashkin, N. F. Ramsey, K. T. Bainbridge; edited by E. Segrè. 789 pp. John Wiley and Sons, Inc., New York, 1953. \$15.00.

ENGINEERING DESCRIPTIVE GEOMETRY (Second Edition). By Charles E. Rowe and James D. McFarland. 352 pp. D. Van Nostrand Company, Inc., New York, 1953. \$5.00 (\$4.25 College Edition).

MODERN COLLEGE PHYSICS. By Harvey E. White. 823 pp. D. Van Nostrand Company, Inc., New York, 1953. \$6.75.

MODERN MASS SPECTROMETRY. By G. P. Barnard. 326 pp. The Institute of Physics, London, England, 1953. 50s.

COLLECTED WORKS OF BERNHARD RIEMANN (Second Revised Edition). Edited by Heinrich Weber. 684 pp. Dover Publications, Inc., New York, 1953. Clothbound \$4.95, paperbound \$2.55.

MATHEMATICAL RECREATIONS (Second Revised Edition). By Maurice Kraitchik. 330 pp. Dover Publications, Inc., New York, 1953. Clothbound \$3.00, paperbound \$1.60.

ADVANCES IN BIOLOGICAL AND MEDICAL PHYSICS. Vol. III. Contributors: E. R. Blout, P. Grabar, P. Kirkpatrick, W. V. Mayneord, H. H. Pattee, Jr., E. Pollard, D. Pressman, W. K. Sinclair, A. K. Solomon. Edited by John H. Lawrence and C. A. Tobias. 368 pp. Academic Press Inc., New York, 1953. \$8.00.

WAVE PROPAGATION IN PERIODIC STRUCTURES (Second Revised Edition). By Léon Brillouin. 255 pp. Dover Publications, Inc., New York, 1953. Clothbound \$3.50, paperbound \$1.75.

ASTROPHYSICS. THE ATMOSPHERES OF THE SUN AND STARS. By Lawrence H. Aller. 412 pp. The Ronald Press Co., New York, 1953. \$12.00.

RADIATION AND LIVING CELLS. By F. G. Spear. 222 pp. John Wiley and Sons, Inc., New York, 1953. \$3.50.

MAN AND HIS PHYSICAL UNIVERSE. AN INTEGRATED COURSE IN PHYSICAL SCIENCE. By Richard Wistar. 488 pp. John Wiley and Sons, Inc., New York, 1953. \$4.75.

FLUID DYNAMICS. PROCEEDINGS OF SYMPOSIA IN APPLIED MATHEMATICS. Vol. IV (June 1951). Edited by M. H. Martin. McGraw-Hill Book Co., New York, 1953. \$7.00.

LIBRARY ORGANIZATION AND MANAGEMENT OF TECHNICAL REPORTS LITERATURE. By Bernard M. Fry. 140 pp. The Catholic University of America Press, Washington, D. C., 1953. \$2.25.