

Books of the Week

For the editorial information of our readers, books received for review since last week's issue are listed. For convenient purchase of any U. S. book in print, send a remittance to cover retail price (postage will be paid) to Book Department, Science Service, 1719 N Street, N.W., Washington 6, D. C. Request free publications direct from publisher, not from Science Service.

BETWEEN EARTH AND SKY—Marie Neurath—*Sterling*, 36 p., illus. by author, \$2. A picture book of the earth's atmosphere and weather for young readers, ages 8 up.

A BOOK THAT SHOOK THE WORLD: Anniversary Essays on Charles Darwin's Origin of Species—Julian S. Huxley and others—*Univ. of Pittsburgh Press*, 60 p., paper, \$1.50.

CHEMICAL PROCESSING OF NUCLEAR FUELS—F. S. Martin and G. L. Miles—*Academic*, 242 p., \$7.50. Concerned with the problems of nuclear fuel processing after it has been irradiated in a reactor.

CHEMISTRY PROBLEMS AND HOW TO SOLVE THEM—Paul R. Frey—*Barnes & Noble*, 5th ed., 228 p., paper, \$1.50. 180 completely solved examples, 874 problems with answers.

DYNAMIC METEOROLOGY AND WEATHER FORECASTING—C. L. Godske, T. Bergeron, J. Bjerknes and R. C. Bungeard—*Am. Meteorological Soc.*, and Carnegie Institution of Washington, 800 p., illus., \$15. Summarizes findings of forty years of research, presenting a treatment of meteorological problems on the foundations of physical hydrodynamics.

EDUCATION AND FREEDOM—H. G. Rickover, foreword by Edward E. Murrow, preface by Charles Van Doren—*Dutton*, 256 p., \$3.50. A collection of speeches, shortened or expanded, made on the subject of the "inadequacy of the American educational system."

ELECTRONIC APPARATUS FOR BIOLOGICAL RESEARCH—P. E. K. Donaldson and others—*Academic*, 718 p., illus., \$20. Technical handbook for those engaged in the use of electronic techniques in biology.

ELEMENTARY SEISMOLOGY—Charles F. Richter—*Freeman*, 768 p., illus., \$12. A course for students in geology who do not plan to specialize in seismology or geophysics.

ENVIRONMENTAL INFLUENCES ON PRENATAL DEVELOPMENT—Beatrice Mintz, Ed.—*Univ. of Chicago Press*, 87 p., illus., \$3. Condensed version of the proceedings of conference held in Bar Harbor, Me., 1956.

FEDERAL AGENCIES FINANCING RESEARCH: Only Complete Guide to Government Grants and Contracts—*Social Legislation Information Service*, 24 p., paper, \$1. 104 scientific fields cross-indexed, includes 33 federal agencies and lists sources of free information.

GAS CHROMATOGRAPHY 1958—D. H. Desty, Ed.—*Academic*, 383 p., illus., \$13. Proceedings of the second symposium organized by the Gas Chromatography Discussion Group held at the Royal Tropical Institute, Amsterdam, May 1958.

GRADUATE STUDENTS: Experience at Columbia University, 1940-1956—Hans Rosenhaupt with Thomas J. Chinlund—*Columbia Univ. Press*, 129 p., \$4. A survey of the graduate student's origin, age, preparation, recruitment, financial support and choice of career.

HIGHLIGHTS OF PROGRESS IN RESEARCH ON CANCER, Part 1: 1957, Part 2: Jan.-March 1958—National Cancer Institute—*Govt. Printing Office*, 51 p., paper, 25¢. Items of interest on research studies supported by the NCI.

HIGHWAY NEEDS STUDIES 1958—Homer A. Humphrey and others—*Highway Res. Bd.*, 60 p., illus., paper, \$1.20. Analysis of experience with highway programs in operation.

MAINSPRINGS OF CIVILIZATION—Ellsworth Huntington—*New Am. Lib.*, 669 p., paper, illus., 75¢. First published 1945, analyzes the role of biological inheritance and physical environment in influencing the course of history.

MODERN HIGH SCHOOL PHYSICS: A Recommended Course of Study—David Vitrogan—*Teachers College*, 88 p., paper, \$1.50. Course emphasizes the need of incorporating recent advances, and gives special attention to basic theories and principles.

NEW AND NONOFFICIAL DRUGS 1959—Am. Medical Ass'n Council on Drugs, Eds.—*Lippincott*, 687 p., \$3.35. Description and evaluation of new drugs.

PHYSICAL LAWS AND EFFECTS—C. F. Hix, Jr. and R. P. Alley—*Wiley*, 291 p., \$7.95. A reference work for the engineer, listing short descriptions, illustrations, magnitudes and references on many common as well as uncommon phenomena.

MATH IS FUN

By Joseph Degrazia, Ph.D.

Here is a treasury of brain-teasers. You need not be a mathematical genius to solve these problems and puzzles. What you need is to know how to THINK LOGICALLY—how to REASON. This is practically a "course" in applied logic and reasoning—besides being an immense amount of fun that will keep you absorbed for many hours. You will find not only that MATH IS FUN, but also that learning math can be fun!

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PROCESSING OF THERMOPLASTIC MATERIALS—Ernest C. Bernhardt, Ed.—*Reinhold*, 690 p., illus., \$18. Reviews the engineering fundamentals on which the design of plastics processing equipment is based.

THE RESULTS OF PROBATION: A Report of the Cambridge Department of Criminal Science—L. Radzinowicz, Ed.—*Macmillan (St. Martins)*, 112 p., \$5.50. Investigates the problems of the probation system, introduced in England in 1907, now established as a major component of the administration of criminal justice.

A SOURCE BOOK IN GREEK SCIENCE—Morris R. Cohn and I. E. Drabkin—*Howard Univ. Press*, rev. ed., 581 p., illus., \$7.50. For scholars and students of the history of ancient science.

SPACE WEAPONS: A Handbook of Military Astronautics—Editors of *Air Force Magazine*, Eds.—*Praeger*, 245 p., illus., \$5. Series of articles by military men, scientists and administrators on the state of space technology in the U.S.

STERIC EFFECTS IN CONJUGATED SYSTEMS—G. W. Gray, Ed.—*Academic*, 181 p., \$6.50. Proceedings of a Symposium held at The University, Hull, July 1958, by The Chemical Society.

STRENGTHENING AMERICAN SCIENCE: Report of the President's Science Advisory Committee—Robert F. Bacher and others—*Govt. Printing Office*, 36 p., paper, 20¢.

SUN CIRCLES AND HUMAN HANDS: The South-eastern Indians Art and Industries—Emma Lila Fundaburk and Mary Douglass Fundaburk Foreman, Eds.—*Emma Lila Fundaburk*, 232 p., 500 pictures, bibliography, \$7.50. Depicts the art, techniques of craftsmanship, and life of the Southeastern Indians.

SYMPOSIUM ON SOME RECENT OBSERVATIONS ON BIOLOGICAL RELATIONSHIPS—A. E. Axelrod and others—*National Vitamin Foundation*, 75 p., illus., paper, \$2.50. Proceedings of the Scientific Sessions of the Twelfth Annual Meeting of the NVF in 1957.

A SYMPOSIUM ON THE EVALUATION OF DRUG TOXICITY—A. L. Walpole and A. Spinks—*Little*, 138 p., illus., \$5.50. Papers and discussions of the problems of toxicity of new drugs.

THEORY OF BEAMS: The Application of the Laplace Transformation Method to Engineering Problems—T. Iwinski, transl. from Polish by E. P. Bernat—*Pergamon*, 85 p., \$3.50.

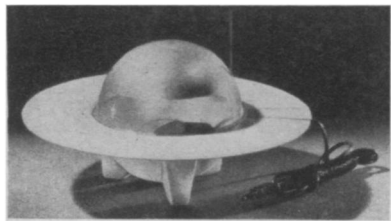
THE THEORY OF THE PROPERTIES OF METALS AND ALLOYS—N. F. Mott and H. Jones—*Dover*, 326 p., paper, \$1.85. Reprint of 1936 British edition.

YEARBOOK OF INTERNATIONAL ORGANIZATIONS: 1958-59—*Union of International Ass'ns*, 7th ed., 1269 p., \$14. Published in collaboration with the United Nations, lists U.N., European Community, inter-governmental and international non-governmental organizations, their officers, aims and other data.

YOUR GIFTED CHILD: A Guide for Parents—Florence N. Brumbaugh and Bernard Roshco—*Holt*, 182 p., \$3.75. Tells parents what to do to develop their child's abilities, based on experience gained at the Hunter College Elementary School which is devoted exclusively to teaching gifted children.

Science News Letter, January 31, 1959

Students, Parents, Educators, Psychologists Like CHICK-NIK See the ENTIRE HATCHING PROCESS



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