

Books of the Week

For the editorial information of our readers, books received for review 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.

ARCHAEOLOGY AND SOCIETY: Reconstructing the Prehistoric Past—Grahame Clark—*Barnes & Noble*, 272 p., illus., paper, \$1.95. Reprint of archaeologist's description for the general reader of how archaeologists go about their work, generously illustrated.

FOCUS ON CHANGE: Guide to Better Schools—J. Lloyd Trump and Dorsey Baynham—*Rand McNally*, 147 p., illus., paper, \$1.25. See story p. 351.

AN INTRODUCTION TO THE PRINCIPLES OF COMMUNICATION THEORY—John C. Hancock—*McGraw*, 253 p., \$9.50. Basic textbook on probabilistic methods, noise and information theory at the undergraduate level.

THE LANGUAGE OF SCIENCE: A Guide to Effective Writing—William Gilman—*Harcourt*, 248 p., \$4.95. Explains the basic rules of writing effectively on scientific or technical subjects, giving many practical examples of good writing and of bad writing, and shows how it can be improved.

MACHINE TRANSLATION: OTS Selective Bibliography—*OTS*, 5 p., 10¢ direct to Office of Technical Services, U. S. Dept. of Commerce, Washington 25, D. C. Lists recent U. S. research reports and translations of Russian reports.

MANUAL OF PHOTOGRAPHIC INTERPRETATION—Robert N. Colwell, Ed., preface by G. C. Tewinkel—*Am. Soc. of Photogrammetry*, 868 p., photographs, \$15. Comprehensive treatment of aerial photo interpretation in geology, soil science, engineering, forestry, wildlife and range management, agriculture, urban area analysis, archaeology, hydrology and geography.

MAPS MEAN ADVENTURE—Christie McFall—*Dodd*, 128 p., illus. by author, \$3. Interesting book designed to make boys and girls map conscious and intelligent in reading maps.

MECHANIZATION OF MOTION: Kinematics, Synthesis, Analysis—Lee Harrisberger—*Wiley*, 363 p., illus., \$8.50. Junior-level textbook, combines the fundamentals of kinematics, the techniques of ideation, and new techniques for synthesis and analysis of logical procedures to solve any motion requirement.

MICROBIAL REACTION TO ENVIRONMENT—G. G. Meynell and H. Gooder, Eds.—*Cambridge*, 416 p., illus., \$7.50. Proceedings of the Eleventh Symposium of the Society for General Microbiology held at the Royal Institution, London, April 1961.

Hypnosis in Treatment

By WILLIAM MOODIE, M.D.

What hypnosis can do for the patient is the subject of this book: how hypnosis can be used by the doctor (including the general practitioner) and what results may be achieved.

Dr. Moodie, consulting physician and psychiatrist, sees in hypnotherapy a workable method of treating certain disorders and diseases through hypnosis combined with other, traditional, methods. Extensive case material is presented to support this view. The author points especially to the value of hypnosis as a saver of time and labor in gaining access quickly to the deeper realms of the mind in analysis, and for shortening psychiatric treatment otherwise.

The process, he says, is within the powers of any doctor who understands people and is in sympathy with them.

"Here is a book marked by . . . rich stimulation. . . It may be read by an educated reader with interest and understanding, and at the same time will appeal to the specialist as well."—*Joseph Bram, Prof. of Anthropology, in Library Journal.*

"Sets forth what hypnosis can do as a practical procedure in therapy for neuroses and psychosomatic ills."—*Science News Letter.* **ORDER NOW! \$4.00 Postfree • 10-Day Money-Back Guarantee**

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MODERN ATOMIC AND NUCLEAR PHYSICS—C. Sharp Cook—*Van Nostrand*, 296 p., illus., \$7.75. General textbook on atomic and nuclear structure and associated radiations.

MOTION AND RELATIVITY—Leopold Infeld and Jerzy Plebanski—*Polish Acad. of Sciences (Pergamon)*, 229 p., \$7.50. Final results of work on the problem of motion in gravitational theory first solved in a paper by Einstein, Infeld and Hoffman in 1938.

MUIR OF THE MOUNTAINS—William O. Douglas—*Houghton*, 183 p., illus. by Harve Stein. \$1.95. A book for boys and girls about the self-taught naturalist and conservationist by Justice Douglas of the Supreme Court.

NEW CLINICAL AND EXPERIMENTAL DATA ON PROCAINE—N. T. Starostenko, transl. from Russian—*Consultants*, 62 p., paper, \$12.50. Monograph on the use of procaine in the gastrointestinal tract, in the treatment of hypertension, angina pectoris, bronchial asthma and polyarthritis.

PESTICIDE HANDBOOK, 1961—Donald E. H. Frear, Ed.—*College Science Pubs.*, 13th ed., 285 p., \$3.50; paper, \$2. Information, including current legal tolerances, on more than 9,000 insecticides, herbicides, rodenticides and other agricultural chemicals.

POLYMERIC MATERIALS—Charles C. Winding and Gordon D. Hiatt—*McGraw*, 406 p., illus., \$12. Introduction to polymer chemistry, molecular structure and the wide field of polymeric materials used in the plastics, rubber, protective coating and textile fiber industries.

PSYCHOLOGY: A Problem-Solving Approach—Donald M. Johnson—*Harper*, 583 p., illus., \$7. Textbook teaching the standard topics with emphasis on intellectual activities, language, and the personality of the normal adult.

RELATIVISTIC ELECTRON THEORY—M. E. Rose—*Wiley*, 302 p., \$9.50. Comprehensive treatment of the single particle description of relativistic quantum mechanics, including neutrino theory.

REQUIREMENTS FOR HIGH SCHOOL GRADUATION IN STATES AND LARGE CITIES—Grace S. Wright—*Office of Education (GPO)*, 29 p., paper, 20¢. Reports the subjects currently designated by state and city school people as those which best prepare the pupil to function as an effective citizen.

SCIENCE TEACHING IN THE SECONDARY SCHOOL—Nathan S. Washon—*Harper*, 328 p., illus., \$5. Handbook for the prospective and beginning science teacher in junior and senior high schools.

SCIENTIFIC AND TECHNICAL SOCIETIES OF THE UNITED STATES AND CANADA—*Nat. Acad. of Sciences-Nat. Res. Council*, 7th ed., 467 p., index, \$9. Professional societies and selected

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amateur societies in scientific and technical fields. Information includes description of history, purpose, membership, publications and professional activities.

SECOND STATUS REPORT ON FUEL CELLS—B. R. Stein and E. M. Cohn—*Army Research Office—OTS*, 76 p., paper, 75¢. Reviews information on fuel cell research and development since the first ARO Report in June 1959.

SOLAR ENERGY APPLICATIONS: OTS Selective Bibliography—*OTS*, 5 p., 10¢ direct to Office of Technical Services, U. S. Dept. of Commerce, Washington 25, D. C.

SOME IDEAS ABOUT NUMBER THEORY—I. A. Barnett—*Nat. Council of Teachers of Mathematics*, 71 p., paper, \$1.40. Informal account of some of the more elementary results of the subject without going into detailed proofs.

SOVIET MARXISM AND NATURAL SCIENCE, 1917-1932—David Joravsky—*Columbia Univ. Press*, 433 p., \$7.50. Fully annotated Russian Institute study focusing on Soviet Marxist philosophy of natural science, as it developed in its first phase, from 1917 to 1932, when the "scientific change-over" from "bourgeois" to "red" specialists took place.

SPACE SHIPS AND SPACE TRAVEL: The Scientifically Accurate Story of Man's Attempts and Plans to Travel into Interplanetary Space—Frank Ross, Jr.—*Lothrop*, rev. ed., 218 p., illus., \$3. For young adults.

STEREOPHONIC SOUND—Norman H. Crowhurst—*Rider, J. F.*, 2nd ed., 136 p., illus., paper, \$2.90. Up-to-date discussion of binaural listening, recording procedure, stereophonic sound and stereophonic systems for the home and for auditoriums.

TEACHER SUPPLY AND DEMAND IN PUBLIC SCHOOLS, 1961—NEA Research Division, Sam M. Lambert, Dir.—*NEA*, 49 p., paper, \$1. Fourteenth annual report on the extent and nature of the teacher shortage.

TESTING TIME: The Story of British Test Pilots and Their Aircraft—Constance Babington-Smith—*Harper*, 224 p., photographs, \$4. Historical account of the art and science of test piloting through fifty years of British experimental aircraft, from Dunne's airplane in 1913 to Beaumont's Lightning test flight at Mach 2.0 in 1959.

TRANSISTOR LOGIC CIRCUITS—Richard B. Hurley—*Wiley*, 363 p., \$10. Textbook, combines switching theory and block diagrams with description of switching circuits, device theory and parameters.

TRANSISTORS: How to Test Them. How to Build All-Transistor Test Equipment—Gernsback Library staff—*Gernsback*, 95 p., illus., paper, \$1.95. Practical work-book for the technician or student.

WEBSTER BEGINNER SCIENCE SERIES: We Read About (12 titles): ROCKETS, EARTH AND SPACE, SOUNDS, AIRPLANES, LIGHTNING, ELECTRICITY, ANIMALS, TINY LIVING THINGS, FIRE, TELEVISION, SEEDS, TAKING PICTURES—Harold E. Tannenbaum and Nathan Stillman—*Gelles-Widmer*, 25 p., illus. 69¢ each; \$8 per set of 12. For readers in the early grades.

WHAT IS RELATIVITY?—L. D. Landau and G. B. Rumer, transl. from Russian by N. Kemmer—*Basic Bks.*, 72 p., illus., \$1.95. Light-hearted explanation of the special theory of relativity by two prominent Russian physicists. For young adults.

WORLD PREHISTORY: An Outline—Grahame Clark—*Cambridge Univ. Press*, 284 p., photographs, maps, \$6; paper, \$2.45. Archaeologist presents brief outline of man's prehistoric past from the first dawn of culture to the time when successive societies attained literacy.

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