

# 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.

**BLINDNESS IN CHILDREN**—Miriam Norris, Patricia J. Spaulding and Fern H. Brodie—*University of Chicago Press*, 173 p., illus., \$3.00. Reporting a five-year study of the pre-school blind child showing these children need to live and learn in as normal a situation as possible. When treated differently, the blind child often appears retarded. Good help for parents of blind children.

**DAWN IN ARCTIC ALASKA**—Diamond Jenness—*University of Minnesota Press*, 222 p., illus., with drawings by Giacomo Raimondi, \$4.75. A Canadian anthropologist tells of his research in the Arctic among the Eskimos.

**DISASTER: A Psychological Essay**—Martha Wolfenstein—*Free Press and Falcon's Wing Press*, 231 p., \$4.00. A psychologist describes the variety of ways in which people react to disaster as based on studies of the victims of natural catastrophes and wartime bombings.

**DRUG RESISTANCE OF MICROORGANISMS**—Robert J. Schnitzer and Emanuel Grunberg—*Academic*, 395 p., illus., \$10.00. Drug resistance is a medical problem of major practical importance but it is also a valuable tool for the study of general biological principles.

**ESSENTIALS OF NUTRITION**—Henry C. Sherman and Caroline Sherman Langford—*Macmillan*,

4th ed., 505 p., illus., \$4.90. Revision of a standard text.

**GAS CHROMATOGRAPHY**—A. I. M. Keulemans, edited by C. G. Verber with a foreword by A. J. P. Martin—*Reinhold*, 217 p., illus., \$7.50. Discussing normal practice in this field and also the theory behind it.

**GLACIER PILOT**—Beth Day—*Holt*, 348 p., illus., \$4.50. The story of the pioneers of Alaska's skies, much of it told in their own words.

**HOW TO BUILD HOT RODS**—Eugene Jaderquist—*Arco*, 144 p., illus., \$2.00. Clear text and an abundance of pictures for the beginning hobbyist.

**THE INDIAN T tipi: Its History, Construction and Use**—Reginald and Gladys Laubin (Tatanka Wanjila na Wiyaka Wastewin) with a history of the Tipi by Stanley Vestal—*University of Oklahoma Press*, 208 p., illus., \$3.95. For the person who likes to camp out (or to read about it), this book gives instructions for building, pitching and furnishing an authentic Indian dwelling.

**AN INTRODUCTION TO DIOPHANTINE APPROXIMATION**—J. W. S. Cassels—*Cambridge University Press*, Cambridge Tracts in Mathematics and Mathematical Physics, No. 45, 166 p., paper, \$4.00. Intended for the undergraduate student in his final year.

**INTRODUCTION TO FINITE MATHEMATICS**—John G. Kemeny, J. Laurie Snell and Gerald L. Thompson—*Prentice-Hall*, 372 p., diagrams, \$5.00. A book prepared for a different kind of freshman course at Dartmouth designed to give the student some concepts of modern mathematics together with applications to the biological and social sciences. Tells how to figure the chances for a favorite team to win the World Series, for example.

**KINETICS AND THERMODYNAMICS IN BIOCHEMISTRY**—H. Geoffrey Bray and Kenneth White—*Academic*, 343 p., diagrams, \$7.50. For the biochemist and the graduate student.

**MICROWAVE PRINCIPLES**—Herbert J. Reich and others—*Van Nostrand*, 427 p., illus., \$8.75. A text for engineers and for seniors specializing in communications.

**MITOCHONDRIA AND OTHER CYTOPLASMIC INCLUSIONS**—F. K. Sanders and H. K. Porter, Honorary Symposium Convenors—*Academic*, Symposia of the Society for Experimental Biology Number X, 198 p., illus., \$9.50. Containing eleven technical papers read at the symposium.

**MORPHINE & ALLIED DRUGS**—A. K. Reynolds and Lowell O. Randall—*University of Toronto Press*, 393 p., illus., \$10.00. Morphine, the most important alkaloid, has been presented in considerable detail; other natural and semisynthetic derivatives have been treated more concisely.

**THE MOUNTAIN WORLD 1956-57**—Malcolm Barnes, editor of English version—*Harper*, 200 p., illus., \$6.00. This annual compilation of the Swiss Foundation for Alpine Research is illustrated with photographs of breath-taking beauty.

**MYTH AND GUILT: The Crime and Punishment of Mankind**—Theodor Reik—*George Braziller*, 432 p., \$5.75. Based on lectures for the Robert Lindner Foundation in Baltimore, given November 13 and 14, 1956. The outline of the book emerged when the author was 25 years old. He read its final draft when he approached his 70th year. Man's crime, committed in pre-

history, says this psychoanalyst, is the sin of pride and the ambition to be God.

**THE PHYSICS OF ELECTRICAL CONTACTS**—F. Llewellyn Jones—*Oxford University Press*, Monographs on the Physics and Chemistry of Materials, 219 p., illus., \$5.60. Including a description of some recent investigations into the micro-phenomena of contact operation.

**PSYCHOTHERAPY OF THE ADOLESCENT**—Benjamin Harris Balser, Ed.—*International Universities Press*, 270 p., \$5.00. Expanded versions of papers presented at a symposium of the American Psychiatric Association.

**PSYCHOLOGICAL TESTS AND PERSONNEL DECISIONS**—Lee J. Cronbach and Goldine C. Gleser—*University of Illinois Press*, 165 p., graphs, \$3.50. Discussing the use of tests, not just to estimate or forecast special abilities, but to aid in arriving at qualitative decisions, a purpose that requires more than accuracy.

**RECOMMENDED PRACTICE FOR DESIGN, EQUIPMENT AND OPERATION OF SWIMMING POOLS AND OTHER PUBLIC BATHING PLACES**—Joint Committee on Bathing Places—*American Public Health Association*, 10th ed., 60 p., paper, \$1.00. An evaluation of the hazards from pollution and from accidents and recommendations for safeguards.

**THE RIVER'S JOURNEY**—Anne Marie Jauss with drawings by the author—*Lippincott*, 48 p., illus., \$2.25. Drawings with brief text trace the river from its beginnings at the spring to its destination in the harbor and the sea.

**A SPECTACULAR WATERFOWL MIGRATION THROUGH CENTRAL NORTH AMERICA**—Frank C. Bellrose—*Illinois Natural History Survey Division*, 24 p., illus., paper, single copies free upon request direct to publisher, 182 Natural Resources Building, Urbana, Ill. Analyzing reports from various locations of a striking movement of hundreds of thousands of waterfowl, driven out of Canada by blizzards.

**THE STRUCTURE OF NUCLEIC ACIDS AND THEIR ROLE IN PROTEIN SYNTHESIS**—E. M. Crook, Ed.—*Cambridge University Press*, Biochemical Society Symposium No. 14, London School of Hygiene and Tropical Medicine, 18 February, 1956, 74 p., illus., \$3.75. Of interest to biochemists, chemists, physicists, microbiologists, geneticists and medical research workers.

**THOUGHT, LIFE AND TIME AS REFLECTED IN SCIENCE AND POETRY**—H. G. Wood—*Cambridge University Press*, 58 p., paper, 90 cents. The tenth Arthur Stanley Eddington memorial lecture, Feb. 19, 1957.

**UNITED STATES AIR FORCE PARACHUTE HANDBOOK**—*Wright Air Development Center (Office of Technical Services)* Equipment Laboratory Project No. 6078, 339 p., illus., paper, \$6.00. Presenting test results and other technical data.

**VEGETABLE INSECTS AND DISEASES AND HOW TO CONTROL THEM**—John T. Kitchin, James G. Conklin and Avery E. Rich—*Cooperative Extension Service, University of New Hampshire*, 11 p., paper, free upon request direct to publisher, Durham, N. H. Giving for each garden vegetable the common crop enemies, type of damage and control suggestions.

**WORKBOOK FOR FIELD BIOLOGY AND ECOLOGY**—Allen H. Benton and William E. Werner, Jr.—*Burgess*, 268 p., paper, spiral binding, \$2.75. Designed to give the beginner in field biology a background in several areas and to suggest sources for further information.

**ZOOLOGY**—Alfred M. Elliott—*Appleton-Century-Crofts*, 2d ed., 746 p., illus., \$7.00. Organic evolution is the central theme of this college textbook.

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## RAPID CALCULATIONS

by A. H. Russell  
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- Give the cube root of 42508549 . . . .
- Tell how long it takes for money to double itself at 5% compounded annually . . . .

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