

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.

BIOCHEMICAL CYTOLOGY—Jean Brachet—*Academic*, 516 p., illus., \$8.80. Linking the two sciences, morphology and biochemistry, which have so much in common. This book is intended for advanced students and research workers.

CHEMISTRY OF ORGANIC COMPOUNDS—Carl R. Noller—*Saunders*, 2nd ed., 978 p., illus., \$9.00. In this new edition, old material has been revised and new material added.

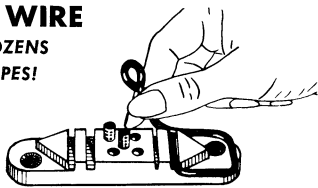
CIVIL AVIATION MEDICINE: Hearings—U.S. Senate Subcommittee, A. S. Mike Monroney, Chairman—*Committee on Interstate and Foreign Commerce*, 150 p., paper, free upon request from publisher, Senate Office Building, Washington 25, D.C.

DOCTOR AND PATIENT IN SOVIET RUSSIA—Mark G. Field with foreword by Paul Dudley White—*Harvard Univ. Press*, 266 p., \$5.00. A sociology of the medical profession in Russia, presenting an account of the state of medicine from the last days of the tsars through the various changes of Soviet rule to the end of 1956.

THE FISHES OF OHIO: With Illustrated Keys—Milton B. Trautman—*Ohio State Univ. Press* with Ohio Division of Wildlife, 683 p., illus., \$6.50, Ohio residents \$6.70. A comprehensive study for the fisherman and scientist.

FOREST FERTILIZATION: A Bibliography, with Abstracts, on the Use of Fertilizers and Soil Amendments in Forestry—compiled by Donald P. White and Albert L. Leaf, *State Univ. College of Forestry* (E. D. Crittendon), 303 p., \$3.00. World Forestry Series Bulletin Number Two.

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A HANDBOOK OF ANIMAL PHYSIOLOGY—E. M. Pantelouris—*Williams & Wilkins*, 255 p., illus., \$6.25. Intended to present a framework of main facts and an idea of the scope of the subject as an introduction to the study.

A HUNDRED YEARS OF EVOLUTION—G. S. Carter—*Macmillan*, 206 p., \$3.75. A summary account of the story of evolution during the last century.

THE IONOSPHERE: Its Significance for Geophysics and Radio Communications—Karl Rawer, translated from German by Ludwig Katz—*Frederick Ungar Pub.*, 202 p., illus., \$7.50. What we know about this important part of the upper atmosphere is largely based on the results of the electrical method of observation, but as a result of space flights we shall probably soon know much more.

LABORATORY GLASS—WORKING FOR SCIENTISTS—A. J. B. Robertson and others, with foreword by Sir Eric K. Rideal—*Academic*, 184 p., illus., \$4.00. To help the scientist to construct his own apparatus if necessary.

MIRACLE DRUGS AND THE NEW AGE OF MEDICINE—Fred Reinfeld—*Sterling*, 116 p., illus., \$3.95. In cases of influenza and pneumonia alone, modern drugs saved an estimated 1,100,000 American lives in the 15 years between 1938 and 1952.

MOTHER AND CHILD: A Primer of First Relationships—D. W. Winnicott—*Basic Books*, 210 p., \$3.50. A pediatrician and psychoanalyst tells the young mother how she can be happiest with her baby and how she can provide the baby with what he needs most.

1001 QUESTIONS ANSWERED ABOUT THE WEATHER—Frank H. Forrester—*Dodd*, 419 p., illus., \$6.00. Intended to answer your questions about the weather and how it is predicted.

THE PATH OF CARBON IN PHOTOSYNTHESIS—J. A. Bassham and M. Calvin—*Prentice-Hall*, 104 p., illus., \$3.00. One of the most intriguing problems facing scientists is discovery of the method by which the green leaf converts the sun's energy into human food.

PERSPECTIVES IN BIOLOGY AND MEDICINE, Vol. I, No. 1—D. J. Ingle and S. O. Waife, Eds.—*Univ. of Chicago Press*, 123 p., diagrams, quarterly, paper, \$6.00 per year. Intended to communicate new ideas and to stimulate original thought in the biological and medical sciences.

PETER FREUCHEN'S BOOK OF THE SEVEN SEAS—Peter Freuchen with David Loth—*Messner*, 512 p., illus., \$7.50 until Jan. 1; after that \$8.95. Giving the reader a fascinating touch of the beauty, romance, facts and history of the sea-

man's world. Beautifully illustrated.

PHOTOGRAPHY THROUGH THE MICROSCOPE—*Eastman Kodak*, 2nd ed., 72 p., illus., paper, 75 cents. How to make artistic or scientific pictures of the microscopic world.

PHYSICO-CHEMICAL EXPERIMENTS—Robert Livingston—*Macmillan*, 3rd ed., 273 p., illus., \$4.50. Selected to demonstrate the more important of the simple techniques and apparatus that the student will need to use.

THE PHYSIOLOGY OF FISHES: Volume 2, Behavior—Margaret E. Brown, Ed.—*Academic*, 526 p., illus., \$11.00. The fishes vary greatly with regard to the use they make of their various sense organs and the control they exercise over their various effectors.

THE PLANET VENUS—Patrick Moore—*Macmillan*, 132 p., illus., \$3.00. Although popular interest is focused on Mars, the beautiful planet Venus would repay close attention from the amateur astronomer as well as the professional.

PRIMARY MENTAL ABILITIES—L. L. Thurstone—*Univ. of Chicago Press*, Second impression of 1938 ed., 121 p., illus., \$3.00. New printing of a famous psychology classic.

THE SCIENCE OF SKIN AND SCUBA DIVING: Adventuring with Safety Under Water—Bernard E. Empleton, Chairman—*Association Press*, 306 p., illus., \$3.95. Prepared as a project of the Conference for National Co-operation in Aquatics, this book contains information on many aspects of skin diving with special emphasis on safety.

THE SCIENTIFIC STUDY OF SOCIAL BEHAVIOUR—Michael Argyle—*Philosophical Library*, 239 p., diagrams, \$6.00. Not intended as a textbook on social psychology, but a guide to the procedures and results in this rapidly growing field.

SOVIET EDUCATION FOR SCIENCE AND TECHNOLOGY—Alexander G. Korol—*Technology Press and Wiley*, 513 p., \$8.50. Examining the organization and effectiveness of the Soviet formal training process in terms of implications for the over-all quality of Soviet-trained scientists and engineers.

THE SPACE ENCYCLOPEDIA: A Guide to Astronomy and Space Research—M. T. Bizony, Ed.—*Dutton*, 287 p., illus., \$6.95. A timely reference work on such matters as artificial satellites, guided missiles, stars and planets.

SPACE SATELLITE: The Story of the Man-Made Moon—Lee Beeland and Robert Wells—*Prentice-Hall*, 80 p., illus. by Jack Coggins, \$2.95. A book for young readers to keep them abreast of the exciting doings going on over our heads. Preface is by Dr. John P. Hagen, director of Project Vanguard.

THE STUDY OF THE SOIL IN THE FIELD—G. R. Clarke—*Oxford Univ. Press*, 4th ed., 204 p., illus., \$5.60. This edition is brought up to date and broadened to include a section on the use of air photographs for soil survey purposes.

SWAMP LIFE: An Almanac Dealing with Raccoons, Possums, Snakes, Turtles, Hell Divers, Wood Ducks, and Others Who Live in the Hollow Trees, Tangled Thickets, and Swampy Places along Little Fiery Gizzard Creek, with a few words of advice on how to see and become acquainted with them—Glen Rounds—*Prentice-Hall*, 117 p., illus. with drawings by the author, \$3.00. A delightful book on nature near home.

TOWARD THE AUTOMATIC FACTORY: A Case Study of Men and Machines—Charles R. Walker—*Yale Univ. Press*, 232 p., illus., \$5.00. The second volume in a series reporting a study undertaken and financed by the Institute of Human Relations of Yale University.

WHITE LAND OF ADVENTURE: The Story of the Antarctic—Walter Sullivan—*Whittlesey House*, 224 p., maps and photographs, \$3.50. Covering the history of Antarctic exploration from early 18th century expeditions to present operations under the IGY.

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