

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.

BASIC CARE OF EXPERIMENTAL ANIMALS—*Animal Welfare Inst.*, rev. ed., 68 p., illus., paper, free upon request direct to publisher, 22 E. 17 Street, New York 3, N. Y.

A CONCISE ENGLISH-INTERLINGUA DICTIONARY—Woodruff W. Bryne—*Storm Publishers*, 84 p., paper, \$2. The growing importance of Interlingua as a tool of international communication created a need for this concise dictionary with basic vocabulary of some 6,800 entries.

DESEGREGATION: Resistance and Readiness—Melvin M. Tumin with others—*Princeton Univ. Press*, 270 p., \$5. Based on a field study by social scientists of male citizens of Guilford County, N. C.

A DIPPER FULL OF STARS: A Beginner's Guide to the Heavens—Lou William Page—*Follett*, rev. ed., 223 p., illus., \$2.95. New chapter on satellites and space travel added.

ELECTROMECHANICAL ENERGY CONVERSION—David C. White and Herbert H. Woodson—*Wiley*, 643 p., \$12.50. Textbook for a revised electrical engineering course at M.I.T.

EMERGING RURAL COMMUNITIES: Group Relations in Rural Society, a Review of Wisconsin Research in Action—John H. Kolb—*Univ. of Wis. Press*, 212 p., \$4.50. Presents many years of continuous studies.

FIRST BOOK OF GRASSES: The Structure of Grasses Explained for Beginners—Agnes Chase, foreword by Leonard Carmichael—*Smithsonian*

Inst., 3rd rev. ed., 150 p., illus. by author, \$3. For the scientific student of grasses.

GENERAL CHEMISTRY—William H. Nebergall and Frederic C. Schmidt—*Heath*, 723 p., illus., \$7.50. A first-year course in college chemistry.

THE GULF STREAM: A Physical and Dynamical Description—Henry Stommel—*Univ. of Calif. Press*, 202 p., illus., \$6. Describes and explains what is known about the Gulf Stream for the physical scientist.

A HISTORY OF NEUROLOGY—Walther Riese, foreword by Felix Marti-Ibanez—*MD Publications*, 223 p., \$4. Includes bibliography, chart of neurological chronology, list of journals.

A HISTORY OF OPHTHALMOLOGY—George E. Arrington, foreword by Felix Marti-Ibanez—*MD Publications*, 174 p., \$4. Study of the development of the "ophthalmological mind" throughout the history of civilization.

HORMONES AND ATHEROSCLEROSIS—Gregory Pincus, Ed.—*Academic*, 484 p., illus., \$13.50. Proceedings of the conference held in Brighton, Utah, in 1958.

HOW LIFE BEGAN—Irving Adler, preface by Linus Pauling—*New Am. Lib.*, 128 p., illus. by Ruth Adler, paper, 35¢. Reprint of 1957 edition.

HOW TO READ A PAGE: A Course in Efficient Reading with an Introduction to One Hundred Great Words—I. A. Richards—*Beacon Press*, 246 p., paper, \$1.45. Reprint of 1942 edition with new preface by author.

INDIAN PICTURE WRITING—Robert Hofsinde

(Gray-Wolf)—*Morrow*, 96 p., illus. by author, \$2.50. Acquaints boys and girls with the American Indian way of expressing thoughts.

INGO: The Story of My Otter—Walter von Sanden—*Longmans*, 109 p., illus. with photographs by the author, \$2.50. Life with a tame and intelligent creature.

INSECTS—Illa Podendorf—*Grosset*, 47 p., illus. by Chauncey Maltman, \$1. Primary reading level.

INTRODUCTION TO CULTURAL ANTHROPOLOGY—Mischa Titiev—*Holt*, 464 p., illus., \$6. Textbook on man's way of life in contrasting cultures.

MAN'S PLACE IN NATURE—Thomas H. Huxley, introd. by Ashley Montagu—*Univ. of Mich. Press*, 184 p., illus., paper, \$1.75. Reprint of Huxley's first book published in 1863.

MODERN SCIENCE AND THE HUMAN FERTILITY PROBLEM—Richard L. Meier—*Wiley*, 263 p., \$5.95. Analyses and projection based on recent scientific findings in the field.

MOON, SUN AND STARS—John Lewellen—*Grosset*, 46 p., illus. by Lois Fisher, \$1. An easy-to-read book.

THE MOUNTAIN WORLD 1958/59—Malcolm Barnes, Ed. of English version—*Swiss Foundation for Alpine Research (Harper)*, 208 p., illus., \$6. Mountaineers' stories of climbing exploits in the Andes, the Rockies and the Himalayas, with magnificent photographs.

OBSERVATIONS ON HEAVY PRIMARY COSMIC RAY NUCLEI ABOVE THE ATMOSPHERE—Herman Yagoda—*Air Force Cambridge Research Center (Off. Tech. Serv.)*, 33 p., illus., paper, \$1.25.

OCEANOGRAPHY AND MARINE BIOLOGY: A Book of Techniques—H. Barnes—*Macmillan*, 218 p., illus., \$7. Describes the ingenious instruments and methods by which knowledge of the sea is obtained.

ON THE STRATOSPHERIC Sr⁹⁰ FALLOUT—P. K. Kuroda—*Argonne Nat. Lab. (Off. Tech. Serv.)*, 40 p., paper, \$1.25. Theoretical considerations and discussion of experimental data.

1001 QUESTIONS ANSWERED ABOUT THE NEW SCIENCE—David O. Woodbury—*Dodd*, 358 p., illus., \$6. Answers the layman's questions about scientific and engineering advances in the past decade.

A PHILOSOPHER LOOKS AT SCIENCE—John G. Kemeny—*Van Nostrand*, 273 p., \$4.95. Stimulating introduction to the philosophy of science.

PHYSICAL GEOGRAPHY—Philip Lake, J. A. Steers, Ed.—*Cambridge Univ. Press*, 4th ed., 483 p., illus., \$4. Fully revised textbook.

PILOT INSTRUCTION MANUAL: C.A.A. Technical Manual No. 106—Civil Aeronautics Administration—*Govt. Print. Off.*, 146 p., illus., paper, \$1.50.

PSYCHOLOGY OF PERSONALITY: Six Modern Approaches—J. L. McCary, Ed.—*Grove*, 383 p., paper, \$1.95. Presents six most generally accepted theories of personality with an attempt at synthesis.

RACE: Science and Politics—Ruth Benedict, foreword by Margaret Mead—*Viking*, new ed., 206 p., paper, \$1.25. Reprint includes "The Races of Mankind" by Ruth Benedict and Gene Weltfish.

(Continued on page 174)

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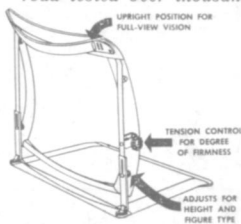
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Books of the Week

(Continued from page 172)

THE SIMPLICITY OF SCIENCE—Stanley D. Beck—*Doubleday*, 212 p., \$3.75. The basic concepts of science in terms the non-scientist can understand.

SOME PROBLEMS IN CHEMICAL KINETICS AND REACTIVITY, Vol. I—N. N. Semenov, transl. from Russian by Michel Boudart—*Princeton Univ. Press*, rev. ed., 239 p., paper, \$4.50. This book on the chemical kinetics of chain reactions first appeared in 1954 in Moscow.

THE STATE OF FOOD AND AGRICULTURE 1958—*Food & Agric. Org. of the U. N.* (Columbia Univ. Press), 222 p., paper, \$2.50. Annual report giving special attention to comparison of the situation between more and less developed parts of the world.

STATISTICAL QUALITY CONTROL: An Introduction for Management—Douglas H. W. Allan—*Reinhold*, 129 p., \$3.50. Covers the subject in nonmathematical terms.

TIME, LIFE AND MAN: The Fossil Record—R. A. Stirton—*Wiley*, 558 p., illus., \$9. Introductory course in paleontology including methods of locating, collecting and curating specimens.

TIME'S ARROW AND EVOLUTION—Harold F. Blum—*Princeton Univ. Press*, 2nd ed., 223 p., illus., paper, \$1.75. Dealing with the possible relationships between the second law of thermodynamics and organic evolution.

TREE MAINTENANCE—P. P. Pirone—*Oxford Univ. Press*, 3rd rev. ed., 483 p., illus., \$10. All phases of tree care described in nontechnical language.

THE TRUE BOOK OF CONSERVATION—Richard Gates—*Children's Press*, 48 p., illus. by author, \$2. For the very young reader.

WHAT EVERY SUPERVISOR SHOULD KNOW—Lester R. Bittel—*McGraw*, 451 p., illus. by Al Ross, \$5.50. Some 700 problems of management discussed by question-and-answer method.

Science News Letter, March 14, 1959

Questions

ASTRONOMY—What effect do meteors have on radio waves? p. 169.

MEDICINE—How does the fluorescent antibody technique improve diagnosis of diseases? p. 168.

PHYSICS—What is the name of the newly discovered atomic particle? p. 163.

Photographs: Cover, Westinghouse-United Press NewsPhoto; p. 163, U.S. Army; p. 165, General Electric Research Laboratory; p. 167, Fremont Davis; p. 176, Eastman Chemical Products Inc.

Do You Know

A Japanese atomic clock, using ammonia gas, has almost perfect accuracy, with an error factor of one second in 50 years.

Traffic deaths throughout the nation came down 1,700 in 1958.

The American tuna pack for 1958 was the largest in history.

A project for synthesizing and screening chemical compounds for possible cancer treatment now tests about 15,000 compounds annually on laboratory animals.