

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.

ADVANCES IN ASTRONOMY AND ASTROPHYSICS, Vol. 1—Zdenek Kopal, Ed.—*Academic Press*, 366 p., illus., \$10. Presents current studies in astronomy and astrophysics as an integral part of the mathematical and physical sciences.

ALL ABOUT SAILING THE SEVEN SEAS—Ruth Brindze, foreword by Rear Admiral Gordon McLintock—*Random House*, 143 p., photographs, \$1.95. Tells young people about modern seamanship and equipment in the U.S. Maritime Service.

ALL ABOUT SATELLITES AND SPACE SHIPS—David Dietz—*Random House*, rev. ed., 145 p., photographs, diagrams, maps, \$1.95. Readable, condensed and up-to-date account for the young.

ANCIENT ANIMALS OF AMERICA—W. W. Robinson—*Ward Ritchie Press*, rev. ed., 72 p., illus. by Irene B. Robinson, \$3. Describes for boys and girls the giant animals that lived on this continent in the Mesozoic and Cenozoic Eras.

ASIA: A Regional and Economic Geography—L. Dudley Stamp—*Dutton*, 11th ed., 730 p., maps, \$10.75. Describes the continent of Asia, its climates, vegetation and population, and the countries and regions of Asia; fully indexed.

BASIC TV COURSE—George Kravitz—*Gernsback*, 224 p., illus., paper, \$4.10. Practical course for the TV technician.

BIOCHEMISTRY—Israel S. Kleiner and James M. Orten—*Mosby*, 6th ed., 867 p., illus., \$9.75. Revised text, incorporates much new data, such as new table on the composition of foods, giving content of saturated and unsaturated fatty acids.

THE BODY IN ACTION: The Parts of the Body and How They Work—Mitchell Wilson, adapted by Ann Reit—*Golden Press*, 54 p., illus. by Cornelius De Witt, 69¢. Information for the young, colorfully presented.

CALCIPHYLAXIS—Hans Selye—*Univ. of Calif. Press*, 552 p., illus., \$25. Comprehensive, profusely illustrated report on Dr. Selye's new biological concept of soft tissue sensitization to calcification, describing experiments in which

most diverse types of calciphylactic hypersensitivity were produced by the administration of different sensitizers and challengers, proving the importance of sequence and timing.

COURSES TOWARD URBAN LIFE: Archaeological Considerations of Some Cultural Alternates—Robert J. Braidwood and Gordon R. Willey—*Aldine Pub. Co.*, 371 p., illus., maps, \$7.50. Papers of international symposium concerned with tracing man's history from 15,000 B.C. to the beginnings of urban civilizations.

DEATH, PROPERTY AND THE ANCESTORS: A Study of the Mortuary Customs of the Lodagaa of West Africa—Jack Goody—*Stanford Univ. Press*, 452 p., photographs, \$8.50. Anthropological study of rituals surrounding death, based on two years of field work in northern Ghana.

A DICTIONARY OF GEOLOGY—John Challinor—*Oxford*, 235 p., \$5. Examines the meaning and usage of some 1500 names and terms significant in geologic nomenclature.

DISSECTION OF THE CAT (AND COMPARISONS WITH MAN): A Laboratory Manual on *Felis Domestica*—Bruce M. Harrison—*Mosby*, 4th ed., 215 p., illus., paper, \$3.75. Deals with the anatomy of the cat, particularly as it gives insight to a better understanding of the anatomy of man.

EVERYMAN'S ARK: A Collection of True First-Person Accounts of Relationships Between Animals and Men—Sally Patrick Johnson, Ed., introd. by Alan Moorehead—*Harper*, 331 p., illus. by John Cameron Yrizarry, \$5.95. Anthology of great animal stories from the world's literature.

FACT AND FICTION—Bertrand Russell—*Simon & Schuster*, 317 p., \$4.95. Collection of revised speeches, radio talks and articles on books, education, peace and war.

I AM EAGLE!—Gherman Titov; Martin Caidin, Ed., based on interviews with Wilfred Burchett and Anthony Purdy—*Bobbs*, 212 p., photographs, \$4.95. The story of the Russian cosmonaut's 17-orbit flight, in his words, based on taped interviews taken by two British journalists. Contains many personal and some technical details.

INTRODUCTION TO BIOLOGY—Douglas Reid—*Cambridge*, 134 p., illus., \$3. Small introductory book designed to encourage biology students to make personal observations and keep their own records.

LIFE BEYOND OUR PLANET: A Scientific Look at Other Worlds in Space—Dan Q. Posin—*McGraw*, 128 p., illus. by Gustav Schrotter, \$3.25. For teenagers.

NETWORK ANALYSIS AND SYNTHESIS—Franklin F. Kuo—*Wiley*, 413 p., \$9.25. Introduction to the study of electric networks based upon a system theoretic approach.

NEW WAYS IN MATH—Arthur Jonas—*Prentice-Hall*, 70 p., illus. by Alike, \$2.95. Amusingly illustrated, simple explanations of modern number systems.

OUR TINY SERVANTS: Molds and Yeasts—

Bernice Kohn—*Prentice-Hall*, 62 p., illus. by John Kaufmann, \$2.95. Elementary level.

THE OVARY, Vol. II—Sir Solly Zuckerman, Ed., with Anita M. Mandl and Peter Eckstein—*Academic Press*, 600 p., illus., \$22. Up-to-date account of the development, structure and function of the vertebrate ovary as derived from experimental and chemical studies.

THE PLANET SATURN: A History of Observation, Theory and Discovery—A. F. O'D. Alexander—*Macmillan*, 474 p., illus., \$12. Encyclopedic survey of the progress in our knowledge about Saturn, from 650 B.C. to the present day, based almost entirely on original sources.

PROCEEDINGS OF THE INTERNATIONAL METEOROLOGICAL SATELLITE WORKSHOP, Nov. 13-22, 1961—Hugh L. Dryden and Francis W. Reichelderfer, Chmn.—*NASA & Weather Bureau (GPO)*, 226 p., illus., paper, \$1.75. Presents results of the U.S. meteorological satellite program and the possibilities for the future.

RADAR POCKET BOOK—R. S. H. Boulding—*Van Nostrand*, 2nd ed., 248 p., diagrams, \$4.50. Compact information on the basic principles and formulae particularly applicable to radar, with data on the various parts of radar installations.

ROGET'S INTERNATIONAL THESAURUS—Crowell, 3rd ed., 1257 p., thumb indexed, \$6.95; plain, \$5.95. Completely revised edition, incorporating new areas in science and technology, with 45,000 new words added and 40 new subject categories.

SCIENCE AND THE HUMANITIES—Moody E. Prior—*Northwestern Univ. Press*, 124 p., \$3.50. Essays on science and the present status of the humanities, criticism of the humanities by scientists, the scientist and public affairs and science for the non-scientist.

SHAMBALA; The Constitution of a Traditional State—Edgar V. Winans, foreword by Walter Goldschmidt—*Univ. of Calif. Press*, 180 p., photographs, \$5. Anthropologist's study of the highly organized African state-type system of the Shambala, a Bantu-speaking people living in the Usambara Mountains of North-Eastern Tanganyika.

STARS, MEN AND ATOMS—Heinz Haber—*Golden Press*, 188 p., photographs, \$3.99. Explains the physical universe in nontechnical language, for the general reader and young adult.

SYNTHETIC LUBRICANTS—Reigh C. Gunderson and Andrew W. Hart—*Reinhold*, 497 p., \$15. Comprehensive guide to the physical properties, performance characteristics, manufacture, history and uses of the nine major types of synthetic lubricants.

TOPOLOGY OF 3-MANIFOLDS and Related Topics—M. K. Fort, Jr., Ed.—*Prentice-Hall*, 256 p., diagrams, \$10. Summary of modern research on the geometric aspects of manifold topology.

VIRUSES—Kenneth M. Smith—*Cambridge*, 134 p., illus., \$3.75; paper, \$1.95. Explains the nature of viruses with a minimum of technical language, for student and inquiring layman.

YOUNG SCIENTIST AND SPORTS: Featuring Baseball, Football, Basketball—George Barr—*Whittlesey House*, 159 p., illus. by Mildred Waltrip, \$3. Explains how momentum, curve, spin, bounce and many other physical phenomena affect ball games.

YOUR CAREER OPPORTUNITIES IN ENGINEERING—Introd. by Hilliard W. Paige—*Rowman & Littlefield*, N.Y., 64 p., illus., paper, 75¢. Visual career guide, informative and attractive.

YOUR PRETEENAGER'S MIND AND BODY—Flanders Dunbar, ed. by Benjamin Linder—*Hawthorn Bks*, 249 p., \$4.95. Discusses physical and psychological changes in boys and girls.

• Science News Letter, 81:364 June 9, 1962

FREE BOOK!

"Dover Science Sampler," 64-page book, with entertaining, instructive selections from Mach, Galileo, Newton, Poincare, Hubble, Steinman, etc. Island universes, fata morgana, genetics, phase rule, etc. Entirely free, no strings attached. No obligation, no salesmen will call. Supply limited. Write now. Dept. SNL, Dover, 180 Varlek St., N.Y. 14, N.Y.

ELECTRIC BUG KILLER \$2.95

One Unit Sufficient For An Average Size Home

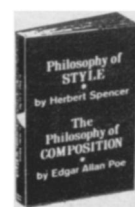
KILLS Flying Moths • Flies • Mosquitoes • Silverfish • Gnats • Spiders • Wasps • Centipedes • Exposed Ants and Roaches. (Insect does not have to come in contact with unit)

Clean Electric Lindane Bug Killer controls, kills insects—actually fumigates 1500 cubic ft. area. Uses no more current than an electric clock. Guaranteed mechanically for 10 years. Multiple units also ideal for business & commercial use. With 10 Lindane Tablets. UL appr. cord & plug.

Electric Bug Killer and 10 Tablets..... \$2.95 ppd.
2 Electric Bug Killers and 20 Tablets..... \$5.50 ppd.
40 Extra Lindane Tablets..... \$1.00 ppd.

Send check or M. O.—Satisfaction Guaranteed

SPENCER GIFTS CS-55 Spencer Bldg., Atlantic City, N. J.



WRITE FOR MONEY!

Enrich your style through Herbert Spencer's and Edgar Allan Poe's classic principles that have influenced many of the world's great authors. Indispensable for writers eager to get published! Send \$1.00 to PAGEANT PRESS, 101 5th AVE., N. Y. 3, Dept. SN.