

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.

ANTHROPOLOGY AS A CAREER—William C. Sturtevant—*Smithsonian*, 18 p., paper, 20¢. Describes the major subdivisions of the science, with advice on courses for students.

BIBLIOGRAPHY AND INDEX OF LITERATURE ON URANIUM AND THORIUM AND RADIOACTIVE OCCURRENCES IN THE UNITED STATES, Part 5—Margaret Cooper—*Geological Soc. of Am.*, 472 p., paper, \$6.75.

BIRDS OF MARYLAND AND THE DISTRICT OF COLUMBIA—Robert E. Stewart and Chandler S. Robbins—*Govt. Printing Office* for Fish and Wildlife Service, 401 p., maps, paper, \$1.75. Describes birdlife in terms of its geographical, ecological and seasonal distribution.

BRIGHTER THAN A THOUSAND SUNS: A Personal History of the Atomic Scientists—Robert Jungk, transl. from the German by James Cleugh—*Harcourt*, 369 p., \$5. A reporter here reconstructs the dramatic story of the scientists who developed the atomic bomb.

CONSERVATION OF NATURAL RESOURCES—Guy-Harold Smith, Ed.—*Wiley*, 2nd ed., 474 p., illus., \$8.50. Nineteen specialists survey the present needs, aims, methods, and accomplishments of conservation in the U. S.

ENJOYING AMERICA'S GARDENS—Joan Parry Dutton—*Reynal*, 311 p., illus., \$5. A tour through the great gardens, arboretums and natural wild flower preserves across the country.



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by A. H. Russell

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GENERAL CHEMISTRY WORKBOOK: How to Solve Chemistry Problems—Conway Pierce and R. Nelson Smith—*Freeman*, 2nd ed., 246 p., illus. by Evan Gillespie, paper, \$1.75. First college course in chemistry.

INTRODUCTION TO PHOTOGRAPHIC PRINCIPLES—Lewis Larmore—*Prentice-Hall*, 229 p., illus., \$8. Scientific laws of photography together with their practical applications.

LIVING BIRDS OF THE WORLD—E. Thomas Gilliard—*Doubleday*, 400 p., 400 photographs, 217 in full color, \$12.50. General survey of 1,500 species of birds, from primitive to highly developed. Exquisite photography.

MACHINES—Jerome S. Meyer—*World Pub. Co.*, 64 p., illus. by John Polgreen, \$2.50. Introduces in simple language the principles of the wheel and axle, the lever, the screw, and the wedge. For ages 9 to 14.

METABOLIC DISTURBANCES IN CLINICAL MEDICINE—G. A. Smart, Ed.—*Little*, 358 p., illus., \$10. For the physician who has not specialized in this aspect of medicine. Bibliographies included.

THE NINE PLANETS—Franklyn M. Branley—*Crowell*, 77 p., illus. by Helmut K. Wimmer, \$3. Distance, temperature, size, speed, inclination, mass and density of each planet are clearly explained.

THE OPERATION—Leonard Engel—*McGraw*, 277 p., illus., \$4.95. A minute-by-minute account of a heart operation, and the story of medicine and surgery that led up to it.

A PERIODIC TABLE FOR FUNDAMENTAL PARTICLES—John J. Grebe—*N. Y. Acad. of Sciences, Annals*, Vol. 76, Art. 1, 15 p., illus., paper, \$1.50. Analysis of data and a possible sequence of geometric configurations based upon it.

PRINCIPLES OF QUANTUM ELECTRODYNAMICS—Walter Thirring, transl. from the German by J. Bernstein—*Academic*, 234 p., \$8. With corrections and additions by the author.

PROGRESS REPORT ON SCIENCE PROGRAMS OF THE FEDERAL GOVERNMENT: Senate Report No.

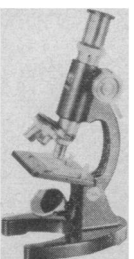
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WORLD OF ADVENTURE

2563 15th St. Denver 11, Colorado

2498—Subcommittee on Reorganization and International Organizations, Hubert H. Humphrey, Chairman—*Govt. Printing Office*, 64 p., paper, 25¢. A summary of legislative and administrative actions taken to implement the Science and Technology Act of 1958.

RECOMMENDED METHODS FOR THE MICROBIOLOGICAL EXAMINATION OF FOODS—Harry E. Goreline, Ed., preface by Ferdinand R. Hassler—*Am. Public Health Ass'n*, 207 p., \$4.50. Manual for public health laboratory personnel.

SCIENTIFIC ACTIVITIES IN SIX STATE GOVERNMENTS: Summary Report on a Survey, Fiscal Year 1954—National Science Foundation—*Govt. Printing Office*, 62 p., graphs, paper, 40¢. Based on studies in California, Connecticut, New Mexico, New York, North Carolina, and Wisconsin.

STAMP CURIOSITIES—R. J. Sutton—*Philosophical Lib.*, 285 p., illus., \$6. A tour of the world portrayed in stamps, from Afghanistan to Zanzibar.

STATUS TERMINOLOGY AND THE SOCIAL STRUCTURE OF NORTH AMERICAN INDIANS—Munfo S. Edmonson—*Univ. of Wash. Press*, 84 p., \$3. A study of the way some American Indians look at their own societies.

THE STRUCTURE OF STEEL: A Simple Explanation for Students, Engineers, and Buyers of Steel—Edwin Gregory and Eric N. Simons—*Philosophical Lib.*, 176 p., illus., \$10.

SURGICAL CONVALESCENCE—F. Curtis Dohan, Ed.—*N. Y. Acad. of Sciences*, 155 p., illus., paper, \$4. Monograph makes investigations in this field available both for further research and for practice.

TALANTA: An International Journal of Analytical Chemistry, Vol. I, Nos. 1 & 2—C. L. Wilson, Editor-in-Chief—*Pergamon*, 196 p., illus., paper, quarterly, annual subscription \$17.

TAN'S FISH—Ruthven Todd—*Little*, 58 p., illus. by Theresa Sherman, \$2.75. Charming story for children about a Cantonese boy who found a rare tropical fish.

TECHNICAL DRAWING—Frederick A. Giesecke, Alva Mitchell and Henry Cecil Spencer—*Macmillan*, 4th ed., 844 p., illus., \$10. Standard reference for the engineering draughtsman.

TELEVISION FACTBOOK, FALL-WINTER 1958: The Standard Reference of the Television & Associated Electronics Arts and Industries—*Television Digest*, 492 p., map, paper, \$5.

THEORETICAL ELECTROMAGNETISM—W. R. Myers—*Butterworth (Canada)*, 274 p., illus., \$8.50. Introductory course for physics students.

WIDER THAN THE SKY: Aviation as a Career—Charles Michael Daugherty—*Harcourt*, 158 p., illus., \$2.95. Traces the development of aviation and stresses present opportunities in this field for young men and women.

WILD TREASURE: The Story of David Douglas—Adrien Stoutenburg and Laura Nelson Baker—*Scribner*, 216 p., \$2.95. Biography of the Scottish botanist who has given his name to the Douglas fir. For teenagers.

THE WORLD OF BUTTERFLIES AND MOTHS—Alexander B. Klots—*McGraw*, 207 p., 180 photographs, partly in color, \$15. Describes the forms, colors, biology and natural history of butterflies. Large format.

Science News Letter, October 18, 1958

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