

# 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.

THE AIR FORCE BLUE BOOK 1961, Vol. II—Tom Compere, Ed.—*Bobbs*, 382 p., illus., \$4.95. Story of the USAF today with compilation of aerospace facts.

ALL ABOUT FISH—Carl Burger, foreword by James W. Atz—*Random House*, 139 p., illus. by author, \$1.95. Informative book for young readers.

ALL ABOUT GREAT MEDICAL DISCOVERIES—David Dietz—*Random House*, 140 p., illus. by Ernest Kurt Barth, \$1.95. For boys and girls.

ALL ABOUT THE PLANETS—Patricia Lauber, foreword by Harlow Shapley—*Random House*, 139 p., illus. by Arthur Renshaw, \$1.95. A beginner's text and guidebook to reliable background for planetary travel.

APPLIED IMAGINATION: Principles and Procedures of Creative Problem-Solving—Alex F. Osborn—*Scribner*, rev. ed., 379 p., \$4.50. Textbook discussing the principle of "brainstorming"; first adopted by M.I.T.

BIOLOGICAL ACTIVITIES OF STEROIDS IN RELATION TO CANCER—Gregory Pincus and Erwin P. Vollmer, Eds.—*Academic*, 530 p., illus., \$15. Papers and discussion of steroid metabolism and biochemistry, experimental tumors, hormones and human cancer.

CLASSICAL ELECTRICITY AND MAGNETISM—E. S. Shire—*Cambridge Univ. Press*, 396 p., illus., \$7.50. Textbook designed to bridge the gap between elementary and mathematical treatment based on Maxwell's equations.

CLASSICAL MECHANICS—H. C. Corben and Philip Stehle—*Wiley*, 2nd ed., 389 p., \$12. Among new material, discusses dissipative systems, transforms, accelerators, motion of meteorite dust, and magnetic resonance.

CLIMATOLOGY AT WORK: Measurements, Methods and Machines—Gerald L. Barger, Ed., with John C. Nyhan—*Weather Bureau (GPO)*, 109 p., illus., paper, 65¢. Describes functions and scope of the centralized climatological facility located at Asheville, N. C.

CONTINUOUS GEOMETRY—John von Neumann, foreword by Israel Halperin—*Princeton Univ. Press*, 299 p., \$7.50. Reproduces the notes of lectures given by the author during the academic years 1935-37.

DIGITAL COMPUTER FUNDAMENTALS—Thomas C. Bartee—*McGraw*, 342 p., \$6.50. Describes

function and application of the computer and explains steps necessary for preparing a problem for a computer.

EMPLOYMENT IN AN UNDERDEVELOPED AREA: A Sample Survey of Kingston, Jamaica—W. F. Maunder—*Yale Univ. Press*, 215 p., \$5. Case study of employment in metropolitan area with both urban industrialized and rural sectors.

GRAPHIC SURVEY OF SCIENCE—William Lemkin—*Oxford Bk. Co.*, rev. ed., 447 p., illus., \$2.10; paper \$1.25. Designed for easy grasp by the average student.

THE HISTORY OF MODERN CULTURE—Maurice Parmelee—*Philosophical Lib.*, 1,295 p., \$10. Treatise traces the main course of cultural evolution.

HOW AMERICA EATS—Clementine Paddelford—*Scribner*, 495 p., illus., \$10; to March 15: \$7.95. Attractive volume with recipes of regional specialties, from Maine's lobster stew to California's citrus spare ribs.

INFORMATION PLEASE ALMANAC: Atlas and Yearbook 1961—Dan Golenpaul Associates, Eds.—*McGraw*, 895 p., illus., paper, \$1.35. Reviews the events of 1960 with maps and photographs, and includes 800 pages of facts for reference.

INTRODUCTION TO PLANT GEOGRAPHY AND SOME RELATED SCIENCES—Nicholas Polunin—*McGraw*, 640 p., illus., \$10. Deals with the composition, local productivity and distribution of the plant cover of the world.

LATE PLIOCENE FLORAS EAST OF THE SIERRA NEVADA—Daniel L. Axelrod and William S. Ting—*Univ. of Calif. Press*, 117 p., illus., paper, \$2.50. Discusses the evidence of spore-pollen floras as to climate and vegetation of the area.

THE MAN WHO RODE THE THUNDER—William H. Rankin—*Prentice-Hall*, 208 p., photographs, \$3.95. Story of Col. Rankin's unique survival, bailing out at 47,000 feet without pressure equipment and dropping seven miles through violent rain storm.

THE MUSEUM AT GHOST RANCH: A Pioneer Outdoor Interpretive Project in New Mexico—William H. Carr—*C. L. Pack Forestry Foundation*, 36 p., illus., paper, 50¢. Describes indoor-outdoor exhibits emphasizing soil, water and wildlife conservation.

ORGANOMETALLIC CHEMISTRY—H. Zeiss, Ed.

—*Reinhold*, 549 p., \$17.50. Monograph presents research subjects under active investigation by their respective authors.

OUR ATMOSPHERE—Theo Loebsock, transl. from German by E. L. and D. Rewald—*New Am. Lib.*, 190 p., illus., paper, 50¢. About clouds, sky colors, mirages, polar lights, weather, and the atmosphere's effects on life and man.

PEOPLE OF COVE AND WOODLOT: Communities from the Viewpoint of Social Psychiatry—Charles C. Hughes and others—*Basic Bks.*, 574 p., photographs, \$10. Stirling County Study II, investigates three types of communities: County Seat, two relatively well-integrated small communities, and four disorganized neighborhoods.

POLYPROPYLENE—Theodore O. J. Kresser—*Reinhold*, 268 p., illus., \$6.50. Brings together information on the properties, production and applications of this increasingly important thermoplastic.

POPULAR FINCHES—George W. Noreen—*All-Pets Bks.*, 32 p., illus., paper, 50¢. Describes and depicts a variety of finches and weavers, and how to keep them healthy in a home or backyard aviary.

RECURSIVE EQUIVALENCE TYPES—J. C. E. Dekker and J. Myhill—*Univ. of Calif. Press*, 213 p., paper, \$5. Monograph concerned with a property of collections which is preserved under all effective one-to-one mappings.

SALINE WATER CONVERSION: Symposium, 1960—W. Sherman Gillam, Chmn.—*Am. Chemical Soc.*, Advances in Chemistry Series, No. 27, 246 p., illus., paper, \$5.85. Collection of papers on most recent research.

• Science News Letter, 78:439 December 31, 1960

## FREE BOOK!

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## ERRATA, Vol. 78, Nos. 1-27, July-December, 1960

| PAGE | TITLE BEGINS        | CORRECTIONS  |
|------|---------------------|--|
| 58   | Jupiter, Saturn     | Col. 3, par. 3, line 6, northeast for northwest.   |
| 77   | Dimmest White       | Line 3, J. for L.  |
| 91   | Live Polio          | Line 2, 180,000 for 108,000  |
| 163  | Use Chemical        | Par. 1, lines 3 and 4 to read L-quinate, that roses use to make aromatic substances.<br>Par. 3 (p. 164), line 1, delete smelling; line 5 to read but converted or used more than half. Delete remainder of sentence. |
| 198  | Radiation Affects   | Par. 4, line 4, before crabs insert horseshoe; line 6, less for more.  |
| 229  | Make Better         | Col. 1, par. 3, line 8, carbon for stainless.  |
| 261  | Evolution Loses     | Col. 1, par. 4, defect for effect.   |
| 270  | Sumac               | Col. 2, line 7, red for her.   |
| 291  | History-Making      | Col. 3, lines 2 and 3 to read pheasants, turkeys and domestic fowl. None of the chicken-turkey hybrids ever hatched.   |
| 295  | Astronomical Events | Par. 2, lines 2, 3 and 4, to read date of a conjunction of Venus with the sun; par. 3, line 7, to read date June 26, 3391 B.C., Gregorian calendar, as the beginning of the  |