

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.

APPLICATIONS OF SKID-RESISTANT SURFACES TO HIGHWAYS—Alvin L. Ruefer and others—*Highway Res. Bd.*, 18 p., illus., paper, 50 cents. Discusses silica sand resurfacing and application of resinous skid-resistant surfaces.

THE ARMADILLO—Theodore W. Munch and M. Vere DeVault—*Steck*, 30 p., illus. by Carol Rogers, \$1.50. Beautifully illustrated, easy-to-read book for young readers.

AXIAL FLOW COMPRESSORS: Fluid Mechanics and Thermodynamics—J. H. Horlock—*Butterworth (Canada)*, 189 p., illus., \$8. Basic information for the engineer.

CATALYSIS, VOL. VI: Alkylation, Isomerization, Polymerization, Cracking and Hydroreforming—Paul H. Emmett, ed.—*Reinhold*, 706 p., illus., \$19.50. Comprehensive treatment of hydrocarbon catalysis and catalytic processing.

CHART OF RADIOISOTOPE APPLICATIONS—Howard F. Gunlock—*Nuclear-Chicago*, 23 x 36 inches, paper, \$1, science teachers free upon request to publisher, 223 West Erie St., Chicago 10, Ill. Charts effects of radioisotope radiations on materials, effects of materials on radioisotopes, and tracing materials with radioisotope radiations.

THE CHEMICAL PREVENTION OF CARDIAC NECROSES—Hans Selye—*Ronald*, 235 p., illus., \$7.50. Monograph coordinates data of isolated observations on cardiac necroses in the light of newly acquired knowledge about the electrolyte-steroid-cardiopathies.

FREE RADICALS: As Studied by Electron Spin Resonance—D. J. E. Ingram—*Academic*, 274 p., illus., \$9.50. Introductory text explains basic theory, experimental methods, advantages and limitations of the technique and summarizes relevant published work.

FRUITS FOR SOUTHERN FLORIDA—David Sturrock—*Southeastern Printing Co.*, 196 p., illus., \$4. Describes 120 fruiting trees and bushes, sorted into groups according to susceptibility to cold.

GAS TUBES—Alexander Schure, Ed.—*Rider*, 72 p., illus., \$1.50. Includes chapter on thyatron.

IRAQ: Its People, Its Society, Its Culture—George L. Harris and others—*HRAF Press*, 350 p., maps, \$7. Third volume in the Survey of World Cultures series, prepared by the Human Relations Area Files, a non-profit research organization affiliated with Yale University.

LIQUIDS AND GASES—Alexander Efron—*Rider*, 117 p., illus., paper, \$2.10. For high school physics students.

THE LOST WORLD OF THE KALAHARI—Laurens van der Post—*Morrow*, 279 p., \$4. Account of search for the last remaining Bushmen.

METALLIC RECTIFIERS AND CRYSTAL DIODES—Theodore Conti—*Rider*, 164 p., illus., paper, \$2.95. Of interest to engineers, students of electronics and radio amateurs.

PARENTAL AUTHORITY: The Community and the Law—Julius Cohen, Reginald A. H. Robson and Alan Bates—*Rutgers University Press*, 301 p., \$6. Of interest to lawyers and sociologists.

PAVEMENT PERFORMANCE: Methods for Evaluation—F. N. Hveem and others—*Highway Res. Bd.*, 77 p., illus., paper, \$1.60. Discussion of causes of failures in highway pavements.

PHYSIOLOGY OF FUNGI—Vincent W. Cochrane—*Wiley*, 524 p., \$9.75. A comparative approach, applying modern concepts of biochemistry to fundamental physiological problems of fungi. Bibliographies.

POLYSACCHARIDES IN BIOLOGY—Georg F. Springer, Ed.—*Macy*, 249 p., \$4.75. Transactions of the Third Conference, May 1957.

Princeton, N. J., discussing homopolysaccharides, nucleotides and saccharide synthesis.

PSORIASIS—Peter Flesch, Ed.—*N. Y. Acad. of Sciences, Annals*, Vol. 73, Art. 5, 124 p., illus., paper, \$2.75. Monograph is result of conference held by The New York Academy of Sciences on May 9, 1958.

THE STORY OF ALEPH BETH—D. Diringier—*Philosophical Lib.*, 195 p., illus., \$4.75. Introduction to the history of the Hebrew alphabet.

THE STUDY OF THE PHYSICAL WORLD—Nicholas D. Cheronis, James B. Parsons and Conrad E. Ronneberg—*Houghton*, 3rd ed., 684 p., illus., \$7.50. Revision treats fewer topics more intensively, provides course for a full year.

UMBELLIFERAE OF JAPAN—Minosuke Hiroe and Lincoln Constance—*University of California Press*, 144 p., illus., paper, \$2.75. To permit intercontinental comparison, study emphasizes similarity rather than dissimilarity to comparable taxa in North American flora.

THE USE OF PSYCHOTHERAPY IN DIVORCE AND SEPARATION CASES—John H. Mariano—*Am. Press*, 179 p., \$3. Author thinks that separating couples are more often in need of psychiatric treatment than of divorce.

V-2: The Nazi Rocket Weapon—Walter Dornberger, introd. by Willy Ley—*Ballantine Books*, paper, 50 cents. The German General's story of Hitler's "secret weapon."

VACUUM METALLURGY—Rointan F. Bunshah, Ed.—*Reinhold*, 472 p., illus., \$12.50. Up-to-date reference work for engineers and research workers.

VISUALIZED CHEMISTRY—William Lemkin—*Oxford Bk Co.*, rev. ed., 364 p., illus., \$1.50. Includes college entrance achievement test.

VITAMINS AND HORMONES: Advances in Research and Applications, Vol. XVI—Robert S. Harris, G. F. Marrian and Kenneth V. Thimann—*Academic*, 437 p., \$11.60. Nine articles, bibliographies.

WALT DISNEY'S WILDLIFE OF THE WEST: Animals of the Plains, Mountains and Deserts—Robert Louvain and Staff of Walt Disney Studio—*Simon & Schuster*, 56 p., illus., 50 cents.

Science News Letter, December 13, 1958

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