

Books Reviewed in The Scientific Monthly

November

The Development of the Concept of Electric Charge, D. Roller and D. H. D. Roller (Harvard Univ. Press). Reviewed by R. J. Stephenson.

Theories of Perception and the Concept of Structure, F. H. Allport (Wiley; Chapman & Hall). Reviewed by C. H. Bumstead.

On the Sensations of Tone as a Physiological Basis for the Theory of Music, H. L. F. Helmholtz (Dover). Reviewed by E. G. Wever.

Qataban and Sheba, W. Phillips (Harcourt, Brace). Reviewed by K. F. Mather.

Handbook of Algae, H. S. Forest (Univ. of Tennessee Press). Reviewed by G. W. Prescott.

Small-Fruit Culture, J. S. Shoemaker (McGraw-Hill). Reviewed by C. S. Waltman.

Time Counts, H. Watkins (Philosophical Library).

Nuclear Physics, I. Kaplan (Addison-Wesley). Reviewed by D. R. Corson.

The Prevalence of People, M. Bates (Scribner). Reviewed by P. W. Frank.

The Human Organism, R. M. DeCoursey (McGraw-Hill). Reviewed by A. D. Laton.

L'Acoustique des Orthoptères, Institut National de la Recherche Agronomique (Régisseur des Publications, I. N. R. A.). Reviewed by H. Frings.

The Human Brain, J. Pfeiffer (Harper). Reviewed by C. McC. Brooks.

Doctors in the Sky, Robert J. Benford (Thomas). Reviewed by D. W. Hastings.

The Tree of Culture, R. Linton (Knopf). Reviewed by J. Gillin.

Descriptive College Physics, H. E. White (Van Nostrand; Macmillan). Reviewed by M. W. Zemansky.

Electricity, E. deVille (Penguin). Reviewed by D. H. D. Roller.

New Books

Silicic Science. A review of the colloid scientific properties and phenomena exhibited by matter composed essentially of the element silicon. Ernst H. Hauser. Van Nostrand, New York, 1955. 188 pp. \$5.

Progress in the Chemistry of Organic Natural Products, vol. XII. L. Zechmeister, Ed. Springer, Vienna, Austria, 1955. 550 pp. \$19.80.

Comprehensive Inorganic Chemistry, vol. 4, pt. I, Zinc, Cadmium, and Mercury, Howard M. Cyr and editors; pt. II, Scandium, Yttrium, and the Lanthanide Series, Thomas D. O'Brien and editors. N. Cannon Sneed and Robert C. Brasted, Eds. Van Nostrand, New York, 1955. 193 pp. \$5.

A History of the Classification of the Phylum Brachiopoda. Helen Marguerite Muir-Wood. British Museum (Natural History), London, 1955. 124 pp. £1.

The Expression of the Emotions in Man and Animals. Charles Darwin; with a preface by Margaret Mead. Philosophical Library, New York, 1955. 372 pp. \$6.

Handbook for Teaching of Conservation and Resource-Use. Prepared by NABT National Conservation Committee; Richard L. Weaver, Project Leader. National Assoc. of Biology Teachers, Ann Arbor, Mich., in conjunction with American Nature Assoc., Washington, 1955 (Order from Project Leader, P.O. Box 2073, Ann Arbor, Mich.). 499 pp. \$4.

Laboratory Studies in the Principles of Zoology. J. M. Carpenter, J. M. Edney, R. W. Barbour. Burgess, Minneapolis 15, 1955. 71 pp. \$2.

American Foundations and Their Fields. Wilmer Shields Rich. American Foundations Information Service, New York, ed. 7, 1955. 744 pp. \$35.

The World We Live In. Lincoln Barnett and editorial staff of *Life*. Time Inc., New York, 1955. 304 pp. \$13.50, regular edition; \$15, deluxe boxed edition.

Wild America. The record of a 30,000-mile journey around the continent by a distinguished naturalist and his British colleague. Roger Tory Peterson and James Fisher. Houghton Mifflin, Boston, 1955. 434 pp. \$5.

Spider, Egg, and Microcosm. Eugene Kinkead. Knopf, New York, 1955. 243 pp. \$4.

Birds and Men. American birds in science, art, literature, and conservation, 1800-1900. Robert Henry Welker. Belknap Press of Harvard Univ. Press, Cambridge, Mass., 1955. 230 pp. \$5.75.

Official Methods of Analysis of the Association of Official Agricultural Chemists. William Horwitz, Ed. Assoc. of Official Agricultural Chemists, Washington, ed. 8, 1955. 1008 pp. \$12.

Textbook of Occupational Therapy with Chief Reference to Psychological Medicine. Eamon N. M. O'Sullivan. Philosophical Library, New York, 1955. 319 pp. \$10.

Static and Dynamic Electron Optics. An account of focusing in lens, deflector and accelerator. Cambridge Monogr. on Mechanics and Applied Mathematics. P. A. Sturrock. Cambridge Univ. Press, London, 1955. 240 pp. \$5.50.

Reports on Progress in Physics. A. C. Stickland, Ed. Physical Soc., London, 1955. 477 pp. £2 10s.

Theoretical Genetics. Richard B. Goldschmidt. Univ. of California Press, Berkeley, 1955. 563 pp. \$8.50.

A History of the United States Army Dental Service in World War II. George F. Jeffcott. Historical Unit, Army Medical Service, Washington, 1955 (Order from Supt. of Documents, GPO, Washington 25). 362 pp. \$3.25.

General Chemistry Workbook. Conway Pierce and R. Nelson Smith. Freeman, San Francisco, 1955. 249 pp. \$1.65.

College Algebra and Trigonometry. A basic integrated course. Frederic H. Miller. Wiley, New York; Chapman & Hall, London, ed. 2, 1955. 342 pp. \$4.50.

Science, Religion & Reality. Joseph Needham, Ed.; introductory essay by George Sartori. Braziller, New York, 1955. 355 pp. \$3.95.

Addendum 1955 to the British Pharmacopoeia 1953. General Medical Council. Pharmaceutical Press, London, 1955. 93 pp. 21s.

Miscellaneous Publications

(Inquiries concerning these publications should be addressed, not to Science, but to the publisher or agency sponsoring the publication.)

Tenth Annual Report of the President to the Trustees. Midwest Research Inst., Kansas City, Mo., 1955. 14 pp.

A Review of the Upper Eocene Artiodactyla of North America. Misc. Coll., vol. 128, No. 8. C. Lewis Gazin. 96 pp. *Leading Operations of the Smithsonian Astrophysical Observatory, 1895-1955*. Misc. Coll., vol. 131, No. 1. G. G. Abbott. 8 pp. Smithsonian Institution, Washington, 1955.

A Monograph of the Clingfishes (Order Xenopterygii). Stanford Ichthyological Bull., vol. 6. John C. Briggs. Natural History Museum of Stanford Univ., Stanford, Calif., 1955. 224 pp.

The Life in the Sea. Ralph Buchsbaum. Univ. of Oregon Press, Eugene, 1955. 101 pp. \$1.50.

Atlas Anatomique des Biois du Congo Belge, vol. 1, *Spermatophytes*. Posocarpaceae, Cupressaceae, Ulmaceae, Moraceae, Proteaceae, Olacaceae. Lucien Lebacq. Institut National pour L'Etude Agronomique du Congo Belge, Bruxelles, 1955. 32 pp. + 32 plates.

Sixth Annual Report of the Commonwealth Scientific and Industrial Research Organization for the Year Ending 30th June, 1954. Government Printing Office, Canberra, Australia, 1954. 179 pp. 10s. 6d.

Biological Sciences Serial Publications, a World List, 1950-1954. Science Div., Library of Congress. Biological Abstracts, Univ. of Pennsylvania, Philadelphia 4, 1955. 269 pp. \$2.

Heat Transfer—St. Louis. Chemical Engineering Progress Symposium Ser., vol. 51, No. 17. F. J. Van Antwerpen, Ed. American Inst. of Chemical Engineers, New York 36, 1955. 109 pp.

Head Sensations and the Concept of Inhibited Growth. Contribution to Modern Thought Ser., No. 1. Caron Kent. Another "Jill." Jane Kamm. *Aspects of Emotional Health*. Caron Kent. *Alcoholism, a Compulsion*. Caron Kent. *On Headaches and the Possibility of Inhibited Growth*. Caron Kent. Our Peace of Mind Ser., No. 6. 29 pp. Clinic for Psychotherapy, East Melbourne, Australia, 1955.

Congrès International de Biochimie, 3rd, Résumés des Communications. The Congress, Brussels, 1955 (Order from Secretariat General, 17 place Delcour, Liege, Belgique).

Institut Pasteur de Saigon, Rapport sur le Fonctionnement Technique en 1954. The Institute, Saigon, 1955. 125 pp.

University of the State of New York, Proceedings of the Eighty-Seventh Convocation. 8 and 9 April 1954, Albany. Bull. No. 1436. The University, Albany, 1955. 336 pp.

Rockefeller Foundation, President's Review from the Annual Report, 1954. The Foundation, New York, 1955. 145 pp.

Indian Agricultural Research Institute. The Institute, New Delhi, 1955. 79 pp.

A New Cambarus of the Diogenes Section from North Louisiana (Decapoda, Astacidae). Tulane Studies in Zoology, vol. 3, No. 4. George Henry Penn. Tulane Univ., New Orleans, La., 1955. 9 pp.