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# Books Reviewed in THE SCIENTIFIC MONTHLY

## April

- The North American Prairie*, John E. Weaver (Johnsen). Reviewed by P. B. Sears.
- The Judgment of History*, Marie Collins Swabey (Philosophical Library). Reviewed by D. H. Thomas.
- The Story of Man*, Carleton S. Coon (Knopf). Reviewed by R. W. Ehrich.
- Indian Corn in Old America*, Paul Weatherwax (Macmillan). Reviewed by Edgar Anderson.
- Graphic Problems in Petroleum Geology*, L. W. LeRoy and Julian W. Low (Harper). Reviewed by T. J. Parker.
- Introduction to Vertebrate Embryology*, ed. 5, and *A Laboratory Manual of Vertebrate Embryology*, ed. 3, Waldo Shumway and F. B. Adamstone (Wiley). Reviewed by J. Oppenheimer.
- Africa Drums*, rev. ed., Richard St. Barbe Baker (British Book Centre). Reviewed by W. A. Dayton.
- Back of History*, William Howells (Doubleday). Reviewed by C. E. Snow.
- General College Chemistry*, rev. ed., M. Cannon Sneed, J. Lewis Maynard, and Robert C. Brasted (Van Nostrand). Reviewed by J. A. Timm.
- Fundamentals of College Mathematics*, John C. Brixey and Richard V. Andree (Holt). Reviewed by H. G. Russell.
- General Chemistry*, Edwin C. Markham and Sherman E. Smith (Houghton Mifflin). Reviewed by F. D. Martin.
- The Kachina and the White Man*, Frederick J. Dockstader (Cranbrook). Reviewed by E. A. Hoebel.
- Proceedings of the Seventh International Botanical Congress*, Hugo Osvald and Ewert Åberg, Eds. (Chronica Botanica). Reviewed by J. R. Swallen.
- History of American Industrial Science*, Courtney Robert Hall (Library Pub.). Reviewed by C. G. Suits.
- Nomography and Empirical Equations*, Lee H. Johnson (Wiley). Reviewed by K. D. Miller, Jr.
- Nobel Prize Winners in Physics: 1901-1950*, Niels H. de V. Heathcote (Schuman). Reviewed by R. M. Sutton.
- Saipan: The Ethnology of a War-Devastated Island*, Alexander Spoehr (Chicago Natural History Museum). Reviewed by F. M. Keesing.
- Community and Environment*, E. A. Gutkind (Philosophical Library). Reviewed by N. E. Collias.
- The Rise and Fall of Maya Civilization*, J. Eric S. Thompson (Univ. of Oklahoma Press). Reviewed by L. Satterthwaite.
- Mineral Nutrition of Fruit Crops*, Norman F. Childers, Ed. (Rutgers). Reviewed by P. C. Duisberg.
- The Physician and His Practice*, Joseph Garland, Ed. (Little, Brown). Reviewed by M. H. Bauersfeld.
- Psychology: The Unity of Human Behavior*, Timothy J. Gannon (Ginn). Reviewed by E. L. Kelly.
- The Pharmacologic Principles of Medical Practice*, J. C. Krantz, Jr., and C. Jelleff Carr (Williams and Wilkins). Reviewed by C. F. Schmidt.
- Indians of the Plains*, Robert H. Lowie (McGraw-Hill). Reviewed by M. W. Stirling.
- An Introduction to the Study of Insects*, Donald J. Borror and Dwight M. DeLong (Rinehart). Reviewed by C. H. Richardson.

- Insect Fact and Folklore*, Lucy W. Clausen (Macmillan). Reviewed by G. K. McCosh.
- Microbes and You*, Stanley E. Wedberg (Macmillan). Reviewed by R. McC. Jones.
- Intertidal Invertebrates of the Central California Coast*, R. I. Smith *et al.* (Univ. of California Press). Reviewed by P. L. Illg.

## New Books

- University Physics*. Based on Sears' 3-vol. *Principles of Physics*, with supplementary problems. Francis Weston Sears and Mark W. Zemansky. Addison-Wesley, Cambridge 42, Mass., complete edition (ed. 2), 1955. 1031 pp. \$8.50.
- Applied X-rays*. George L. Clark. International Ser. in Pure and Applied Physics. Leonard I. Schiff, Consulting Ed. McGraw-Hill, New York-London, ed. 4, 1955. 843 pp. \$12.50.
- The Tree of Culture*. The late Ralph Linton. Knopf, New York 22, 1955. 692 pp. \$5.75.
- Bibliography of Geology Theses. Colleges and Universities of the United States*. Compiled by Daniel S. Turner. Petroleum Research Libraries, Denver, 1954. 482 pp. Paper, gratis.
- Qataban and Sheba*. Exploring the ancient kingdoms on the Biblical spice routes of Arabia. Wendell Phillips. Harcourt, Brace, New York 17, 1955. 362 pp. \$5.
- Organic Syntheses*. Collective vol. 3 (rev. ed. of annual vols. 20-29). E. C. Horning, Ed. Wiley, New York 16; Chapman & Hall, London, 1955. 890 pp. \$15.
- A Symposium on Amino Acid Metabolism*. Sponsored by McCollum-Pratt Inst. of The Johns Hopkins Univ. William D. McElroy and H. Bentley Glass, Eds. Johns Hopkins Press, Baltimore 18, 1955. 1048 pp. \$12.50.
- Cultural Anthropology*. An abridged revision of *Man and His Works*. Melville J. Herskovits. Knopf, New York 22, 1955. 569 pp. \$5.
- Financing Hospital Care in the United States*. vol. 3, *Financing Hospital Care for Nonwage and Low-Income Groups*. Harry Becker, Ed. Blakiston Div., McGraw-Hill, New York-London, 1955. 110 pp. \$2.50.
- Isotope Geology*. Kalervo Rankama. McGraw-Hill, New York 36; Pergamon Press, London, 1955. 535 pp. \$12.
- Theories of Perception and the Concept of Structure*. A review and critical analysis with an introduction to a dynamic-structural theory of behavior. Floyd H. Allport. Wiley, New York 16; Chapman & Hall, London, 1955. 709 pp. \$8.
- American Men of Science*. vol. I, *Physical Sciences*. A biographical directory. Jaques Cattell, Ed. Science Press, Lancaster, Pa. and Bowker, New York 36, ed. 9, 1955. 2180 pp. \$20.
- Handbook of Algae*. With special reference to Tennessee and the Southeastern United States. Herman S. Forest. Univ. of Tennessee Press, Knoxville 16, 1954. 467 pp. \$4.75.
- La Végétation de Kaniama (Entre-Lubishi-Lubilash, Congo Belge)*. Série Scientifique No. 61. William Mullenders. Institut National pour l'Étude Agronomique du Congo Belge, Brussels, Belgium, 1954. 499 pp. Paper, F. 180.
- Obituary Notices of Fellows of the Royal Society*. vol. 9. Royal Soc., London, W.1, 1954. 264 pp. 30s.
- World Outside My Door*. Olive Bown Goin. Macmillan, New York 11, 1955. 184 pp. \$3.50.

**Pathology of the Dog and Cat.** The genitourinary system, with clinical considerations. Frank Bloom. American Veterinary Publ., Evanston, Ill., 1954. 463 pp. \$12.

**Outlines of Enzyme Chemistry.** J. B. Neilands and Paul K. Stumpf. Wiley, New York 16; Chapman & Hall, London, 1955. 315 pp. \$6.50.

**The Equatorie of the Planetis.** Edited from Peterhouse manuscript 75.1 (a manuscript treatise ascribed to Chaucer). Derek J. Price, Ed. Linguistic analysis by R. M. Wilson. Cambridge Univ. Press, London-New York 22, 1955. 214 pp. \$10.

**Insects of Micronesia.** vol. 1, Introduction. J. Linsley Gressitt. Bernice P. Bishop Museum, Honolulu 17, 1954. 257 pp.

**Two Ears of Corn, Two Blades of Grass.** D. H. Killeffer. Van Nostrand, New York 3, 1955. 139 pp. \$4.

**Art in Science.** A portfolio of 32 paintings, drawings, and photographs from *Scientific American*, with an introductory essay on the interrelations of art and science by György Kepes. Simon and Schuster, New York, 1954. \$6.

**Culture and Human Fertility.** A study of the relation of cultural conditions to fertility in non-industrial and transitional societies. Frank Lorimer. UNESCO, Paris, 1954 (Distr. by Columbia Univ. Press, New York 27). 514 pp. Paper, \$4.50.

**Advanced Mathematics for Engineers.** H. W. Reddick and F. H. Miller; rev. by F. H. Miller. Wiley, New York 16; Chapman & Hall, London, ed. 3, 1955. 548 pp. \$6.50.

**Trigonometry.** Roy Dubisch. Ronald Press, New York 10, 1955. 396 pp. \$5.

**How to Solve Problems in General Chemistry.** Joseph A. Babor and Chester B. Kremer. Crowell, New York 16, ed. 2, 1955. 152 pp. Paper, \$1.25.

**The Evolution of an Insect Society.** Derek Wragge Morley. Scribner's, New York 17, 1955. 215 pp. \$3.95.

**Multipole Fields.** M. E. Rose. Structure of Matter Ser. Maria G. Mayer, Advisory Ed. Wiley, New York 16; Chapman & Hall, London, 1955. 99 pp. \$4.95.

**Nuclear Physics.** Alex E. S. Green. International Ser. in Pure and Applied Physics, Leonard I. Schiff, Consulting Ed. McGraw-Hill, New York-London, 1955. 535 pp. \$9.

**Thomas Bradwardine: His Tractatus de Proportionibus.** Its significance for the development of mathematical physics. Edited and trans. by H. Lamar Crosby, Jr. Univ. of Wisconsin Press, Madison, 1955. 203 pp. \$3.50.

**The Monagrillo Culture of Panama.** vol. XLIX, No. 2, Papers of the Peabody Museum of Archaeology and Ethnology, Harvard Univ. Gordon R. Willey and Charles R. McGimsey. Appendix on *Archaeological Marine Shells*, Robert E. Greengo. The Museum, Cambridge 38, Mass., 1954. 158 pp. Paper, \$4.65.

**Chemistry and Chemical Technology of Cotton.** Kyle Ward, Jr., Ed. Interscience, New York-London, 1955. 782 pp. \$20.

**Annual Report of the Librarian of Congress for the Fiscal Year Ending June 30, 1954.** Library of Congress, Washington 25, 1955 (Order from Supt. of Documents, GPO, Washington 25). 178 pp.

**Introducing Sea Shells.** A colorful guide for the beginning collector. R. Tucker Abbott. Van Nostrand, New York-London, 1955. 64 pp. Paper, \$2.50.

**Further Contributions to the Solution of the Piltown Problem.** J. S. Weiner et al. Geological Ser., vol. 2, No. 6. British Museum (Natural History), London, 1955. 60 pp. Paper, £1.

## Miscellaneous Publications

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

**Fish Spermatogenesis with Particular Reference to the Fate of the Cytoplasmic Inclusions.** pt. III, *Spermatogenesis of Actinopterygii (Cyprinodontidae)*. Res. Bull., Zoology, No. 62. Hem Sagar Vasishit. Panjab Univ., Hoshiarpur, India, 1954. 6 pp. Re. 1-2-0.

**Natural History of the Salamanders of the Plethodontid Genus Ensatina.** Robert C. Stebbins. Univ. of California Press, Berkeley 4, 1954. 77 pp. \$1.25.

**Notropis Baileyi, a New Cyprinid Fish from the Pascagoula and Mobile Bay Drainages of Mississippi and Alabama.** Tulane Studies in Zoology, vol. 2, No. 5. Royal D. Suttkus and Edward C. Raney. Tulane Univ., New Orleans, 1955. 16 pp. \$0.30.

**Cheyenne Mountain Tropospheric Propagation Experiments.** NBS Circ. 554. Natl. Bur. of Standards, Washington 25, 1955 (Order from Supt. of Documents, GPO, Washington 25). 39 pp. \$0.35.

**How to Root and Graft Slash Pine.** François Mergen and Harry Rossoll. Sta. Paper No. 46. Southeastern Forest Expt. Sta., Asheville, N.C., 1954. 22 pp.

**Saisons et Periodes Seches et Pluvieuses au Congo Belge et au Ruanda-Urundi.** Bureau Climatologique Communication No. 9. F. Bultot. Institut National pour l'Etude Agronomique du Congo Belge, Brussels, 1954. 70 pp.

**Proceedings of the American Association of Anatomists.** 67th annual meeting, 7-9 April 1954. Reprint from *The Anatomical Record*, vol. 120, No. 1, Sept. 1954. Wistar Inst. of Anatomy and Biology, Philadelphia, 1954. 223 pp.

**Annual Report, 1953.** Central Laboratories for Scientific and Industrial Research, Hyderabad. Osmania Univ. Press, Hyderabad-Deccan, India, 1954. 64 pp.

**Hospitals Served by Red Cross Blood Program and Usage of Blood and Derivatives Distributed 1953-54.** American National Red Cross, Washington, 1954. 81 pp.

**Atomization and Spray Drying.** Chemical Engineering Progress Monogr. Ser. No. 2, vol. 50. W. R. Marshall, Jr. American Inst. of Chemical Engineers, New York 36, 1954. 122 pp.

**Resources for the Future: Annual Report for Year Ending September 30, 1954.** Henry Jarrett, Ed. Resources for the Future, Inc., 1145 19th St., NW, Washington 6, 1954. 29 pp.

**Use of the Refraction Seismic Method for Differentiating Pleistocene Deposits in the Arcola and Tuscola Quadrangles, Illinois.** Rpt. of Investigations No. 176. Robert B. Johnson. Geological Survey Div., Dept. of Registration and Education, State of Illinois, Urbana, 1954. 59 pp. Illus.

**Neue Notiophygidae (Coleoptera)** (In German). Bull.: Entomology, vol. 3, No. 8. Hans John. 16 pp. 7s. 6d.

**The Protoptila Group of the Glossosomatinae (Trichoptera: Rhyacophilidae).** vol. 3, No. 9. Martin E. Mosely. 31 pp. 10s.

**A Review of the Aedes Scutellaris Subgroup with a Study of Variation in Aedes Pseudoscutellaris (Theobald).** (Diptera: Culicidae). vol. 3, No. 10. Elizabeth N. Marks. 67 pp. 18s.

**A New Genus and Some New Species of the Chauiodini (Megaloptera).** vol. 3, No. 11. D. E. Kimmins. 30 pp. 8s. British Museum (Natural History), London, 1954.