

cuss carbohydrates, one lipids, and one sterols and steroids. Each of them is a comprehensive, well-documented account of current knowledge, organized and presented according to the experience and interests of the authors and the nature of the subject. To do justice to each would require detailed analysis and comparison with other reviews. It may be noted, however, that the title of Chapter 5, "Other pathways of carbohydrate metabolism," scarcely suggests how comprehensively it covers the synthesis, catabolism, and interconversions of most of the naturally occurring sugars. Both this and the chapter on "Sterol and steroid metabolism" are timely, valuable, and illuminating, especially to readers better acquainted with other subjects. Finally, several chapters incorporate extensive comparative biochemical observations.

Many readers will find it convenient to have available a collection of authoritative reviews covering the entire subject of intermediary metabolism. Some may also anticipate that the evident value of the compilation will stimulate the preparation of a unified treatment retaining the vitality and originality of the individual chapters of the present volume.

The technical production of the book is excellent.

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## Books Reviewed in The Scientific Monthly, July

**The Earth as a Planet**, Gerard P. Kuiper, Ed. (Univ. of Chicago Press). Reviewed by B. J. Bok.

**Fundamentals of Electrical Engineering**, Edward Hughes (Longmans, Green). Reviewed by R. C. Retherford.

**Needed Research in Health and Medical Care**, Cecil G. Sheps and Eugene E. Taylor (Univ. of North Carolina Press). Reviewed by I. Galdston.

**Big Dam Foolishness**, Elmer T. Peterson (Devin-Adair). Reviewed by E. F. Bordne.

**Proceedings of the First World Conference on Medical Education**, Hugh Clegg, Ed. (Oxford Univ. Press). Reviewed by A. Gregg.

**The History and Conquest of Common Diseases**, Walter R. Bett, Ed. (Univ. of Oklahoma Press). Reviewed by S. Peller.

**The Bomb, Survival and You**, Fred N. Severud and Anthony F. Merrill (Reinhold). Reviewed by R. J. Hansen.

**The Origin of Russia**, Henryk Paszkiewicz (Philosophical Library). Reviewed by F. T. Nowak.

**The Passenger Pigeon**, A. W. Schorger (Univ. of Wisconsin Press). Reviewed by J. S. Wade.

**A History of Birds**, James Fisher (Houghton Mifflin; Riverside Press). Reviewed by F. A. Pitelka.

**Rocket Exploration of the Upper Atmosphere**, R. L. F. Boyd and M. J. Seaton, Eds. (Interscience; Pergamon Press). Reviewed by R. B. Penndorf.

**Introduction to Modern Algebra and Matrix Theory**, Ross A. Beaumont and Richard W. Ball (Rinehart). Reviewed by R. R. Stoll.

**Instrumental Methods of Chemical Analysis**, Galen W. Ewing (McGraw-Hill). Reviewed by M. G. Mellon.

**Hopi Ethics: A Theoretical Analysis**, Richard B. Brandt (Univ. of Chicago Press). Reviewed by D. Bidney.

## New Books

**Capricorn Road**, Francois Balsan. Trans. by Pamela Search. Philosophical Library, New York, 1955. 252 pp. \$4.75.

**Measurement and Evaluation in Psychology and Education**, Robert L. Thorndike and Elizabeth Hagen. Wiley, New York; Chapman & Hall, London, 1955. 575 pp. \$5.50.

**The Story of FAO**, Gove Hambidge. Van Nostrand, New York-London, 1955. 303 pp. \$6.50.

**General Principles of Geology**, J. F. Kirkaldy. Philosophical Library, New York, 1955. 327 pp. \$6.

**Radioisotopes in Biology and Agriculture: Principles and Practice**, C. L. Comar. McGraw-Hill, New York-London, 1955. 481 pp. \$9.

**Petrographic Mineralogy**, Ernest E. Wahlstrom. Wiley, New York; Chapman & Hall, London, 1955. 408 pp. \$7.75.

**Symposium on Atherosclerosis**, Publ. 338. National Acad. of Sciences-National Research Council, Washington, 1954. 249 pp. \$2.

**The Biologic Effects of Tobacco**. With emphasis on the clinical and experimental aspects. Ernest L. Wynder, Ed. Little, Brown, Boston, 1955. 215 pp. \$4.50.

**Tea**, A symposium on the pharmacology and the physiologic and psychologic effects of tea. Henry J. Klaunberg, Ed. Biological Sciences Foundation, Washington, D.C., 1955. 64 pp. Paper, \$1.

**College Physiology**, Donald M. Pace and Benjamin W. McCashland. Crowell, New York, 1955. 615 pp. \$5.50.

**Anxiety and Stress**. An interdisciplinary study of a life situation. Harold Basowitz, Harold Persky, Sheldon J. Korchin, and Roy R. Grinker. Blakiston Div., McGraw-Hill, New York-London, 1955. 320 pp. \$8.

**Studies of Biosynthesis in Escherichia Coli**, Publ. 607. R. R. Roberts, P. H. Abelson, D. B. Cowie, E. T. Bolton, and R. J. Britten. Carnegie Institution of Washington, Washington, 1955. 521 pp. Paper, \$2.50; cloth, \$3.

**Embryogenes in Plants**, C. W. Wardlaw. Wiley, New York; Methuen, London, 1955. 381 pp. \$7.

**The Hunting Wasp**, John Crompton. Houghton Mifflin, Boston, 1955. 240 pp. \$3.

**Gas Dynamics of Cosmic Clouds**. A symposium of the International Union of Theoretical and Applied Mechanics and International Astronomical Union. Interscience, New York; North-Holland, Amsterdam, 1955. 247 pp. \$5.75.

**Some Physiological Aspects and Consequences of Parasitism**, William H. Cole, Ed. Rutgers Univ. Press, New Brunswick, N. J., 1955. 90 pp. Paper, \$2.

**Quantitative Analysis: Methods of Separation and Measurement**, M. G. Mellon. Crowell, New York, 1955. 694 pp. \$6.50.

**Walt Whitman's Concept of the American Common Man**, Leadie M. Clark. Philosophical Library, New York, 1955. 178 pp. \$3.75.

**Breeding Beef Cattle for Unfavorable Environments**. A symposium presented at the King Ranch Centennial Conference. Albert O. Rhoad, Ed. Univ. of Texas Press, Austin, 1955. 248 pp. \$4.75.

**Geology: Principles and Processes**, William H. Emmons, George A. Thiel, Clinton R. Stauffer, and Ira S. Allison. McGraw-Hill, New York-London, ed. 4, 1955. 638 pp. \$6.50.

**Advanced Calculus**, Angus E. Taylor. Ginn, Boston, 1955. 786 pp. \$8.50.

**Practical Laboratory Chemistry**. A manual for beginners. Horace G. Deming. Wiley, New York; Chapman & Hall, London, 1955. 209 pp. \$3.50.

**Culture and Mental Disorders**, Joseph W. Eaton. Free Press, Glencoe, Ill., 1955. 254 pp. \$4.

**Differential Equations**, Frederick H. Steen. Ginn, Boston, 1955. 330 pp. \$4.

**Catalogue of the Type Specimens of Microlepidoptera in the British Museum (Natural History) Described by Edward Meyrick**, vol. II. J. F. Gates Clarke. British Museum Natural History, London, 1955. 531 pp. £6.

**Stochastic Models for Learning**, Robert R. Bush and Frederick Mosteller. Wiley, New York; Chapman & Hall, London, 1955. 365 pp. \$9.

**Early American Science Needs and Opportunities for Study**, Whitfield J. Bell, Jr. Institute of Early American History and Culture, Williamsburg, Va., 1955. 85 pp. \$1.25.

**Small Boat Owners Guide**, Frank C. True. Lantern Press, New York, 1955. 242 pp. \$3.50.

**Principes fondamentaux de classification stellaire**. Colloques Internationaux du Centre National de la Recherche Scientifique. CNRS, Paris, 1955. 188 pp. F. 1200.

**Theory of Ordinary Differential Equations**, Earl A. Coddington and Norman Levinson. McGraw-Hill, New York-London, 1955. 429 pp. \$8.50.

**Bird Navigation**. Cambridge Monogr. in Exptl. Biol., No. 3. G. V. T. Matthews. Cambridge Univ. Press, New York, 1955. 140 pp. \$2.50.

**Solar Energy Research**, Farrington Daniels and John A. Duffie, Eds. Univ. of Wisconsin Press, Madison, 1955. 290 pp. \$4.

**Lehrbuch der Praktischen Orthopädie**, Ph. Erlacher, Ed. Maudrich, Wien-Bonn, Germany, 1955. 549 pp. \$24.50.

**Theoretical Structural Metallurgy**, A. H. Cottrell. St Martin's Press, New York, ed. 2, 1955. 251 pp. \$4.50.

**Synthetic Methods of Organic Chemistry**. An annual survey. Vol. 9. W. Theilheimer. Karger, Basel; Interscience, New York, 1955. 481 pp. \$18.90.