

an alphabetical list of subject headings which, while it does permit of indefinite expansion, does not bring all relevant material together. In fact, it is not quite clear why Dr. Parke, having constructed a classification, did not use it, simply adding an alphabetic relative index as a key. Access to the titles by author is provided through an author index.

The book on the whole is well produced although the use of lower-case type for the subject headings is somewhat annoying.

As a librarian I am grateful to Dr. Parke for his valuable guide. I believe that all who use his book will express a similar sentiment.

MORRIS C. LEIKIND

Library of Congress, Washington, D. C.

Dynamic aspects of biochemistry. Ernest Baldwin. New York: Macmillan; Cambridge, Engl.: at the Univ. Press, 1947. Pp. xviii + 457. \$4.00.

The author has devoted this text to enzymes (5 chapters) and metabolism (11 chapters).

The chapters on enzymes cover this field very well. Groups of enzymes are discussed which usually receive little attention. One could wish that the author had summarized all the chapters as was done in the case of the first two.

In the chapters on metabolism, the role of individual amino acids is featured. In the opinion of the author the end-product of nitrogenous metabolism is based on the availability of water to the organism. Emphasis is placed on adenosine triphosphate as the only source of energy that can be directly utilized by living organisms.

The close resemblance of the carbohydrate metabolism of yeast and muscle is discussed.

The author has accepted as fact that virus proteins can "reproduce." So far as one of these proteins is concerned, it has been shown that it can be "sterilized" by appropriate means without loss of any of its physicochemical properties.

The text is well written, in simple, clear language and should be a requirement for every graduate student in the field of biological chemistry.

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Scientific Book Register

CHRYSLER, M. A., and EDWARDS, J. W. *The ferns of New Jersey*. New Brunswick, N. J.: Rutgers Univ. Press, 1947. Pp. vii + 201. (Illustrated.) \$4.00.

COPELAND, EDWIN BINGHAM. *General Filicum; the genera of ferns. (Annales Cryptogamici et Phytopathologici, Vol. 5, Frans Verdoorn, Ed.)* Waltham, Mass.: Chronica Botanica; New York: Stechert-Hafner, 1947. Pp. xiv + 247. (Illustrated.) \$6.00.

DAVIES, OWEN L. (Ed.) *Statistical methods in research and production, with special reference to the chemical industry*. London-Edinburgh: Oliver and Boyd, 1947. Pp. xi + 292. 28/-.

DAVIS, HALLOWELL, et al. *Hearing aids: an experimental study of design objectives*. Cambridge, Mass.: Harvard Univ. Press, 1947. Pp. viii + 197.

GOLD, HARRY, et al. (Eds.) *Cornell conferences on therapy*. (Vol. II.) New York: Macmillan, 1947. Pp. xx + 354. \$3.75.

HOUGEN, OLAF A., and WATSON, KENNETH M. *Chemical process principles. Pt. II: Thermodynamics*. New York: John Wiley; London: Chapman & Hall, 1947. Pp. xlvii + 437-804. \$5.00.

HUTCHINSON, J. B., SILOW, R. A., and STEPHENS, S. G. *The evolution of Gossypium, and the differentiation of the cultivated cottons*. (Empire Cotton Growing Corp.) New York: Oxford Univ. Press, 1947. (Illustrated.) \$4.25.

JONES, BURTON W. *Elementary concepts of mathematics*. New York: Macmillan, 1947. Pp. xiii + 294. \$4.00.

KANEGIS, JAMES. *Chemical and technical stenography: technical Gregg stenography with special outlines and textual matter for the fields of chemistry and metallurgy*. Washington, D. C.: James Kanegis (P. O. Box 1121), 1947. Pp. viii + 387. \$5.00. (Lithoprinted.)

KELLEY, TRUMAN LEE. *Fundamentals of statistics*. Cambridge, Mass.: Harvard Univ. Press, 1947. Pp. xvi + 755. \$10.00.

LEE REUBEN. *Electronic transformers and circuits*. New York: John Wiley; London: Chapman & Hall, 1947. Pp. vii + 282. (Illustrated.) \$4.50.

LULL, RICHARD SWANN. *Organic evolution*. (Rev. ed.) New York: Macmillan, 1947. Pp. xx + 744. (Illustrated.) \$8.00.

LUNDBERG, WALTER O. *A survey of present knowledge, researches, and practices in the United States concerning the stabilization of fats*. (The Hormel Institute, Univ. Minnesota, Publ. 20.) Minneapolis: Univ. Minnesota, 1947. Pp. 45. Free upon request to the Hormel Institute, Austin, Minnesota.

NIETHAMMER, TH. *Die genauen Methoden der astronomisch-geographischen Ortsbestimmung*. Basel, Switzerland: Druck von E. Birkhäuser, 1947. Pp. 181.

RIDDLE, OSCAR. *Endocrines and constitution in doves and pigeons*. Washington, D. C.: Carnegie Institution of Washington, 1947. Pp. xi + 306. (Illustrated.) Paper, \$3.00; cloth, \$4.00.

ROSEN, EDWARD. *The naming of the telescope*. New York: Henry Schuman, 1947. Pp. xvi + 110. (Illustrated.) \$2.50.

SCHWARZKOPF, PAUL. *Powder metallurgy: its physics and production*. New York: Macmillan, 1947. Pp. xii + 379. (Illustrated.) \$8.00.

SHERMAN, HENRY C. *Calcium and phosphorus in foods and nutrition*. New York: Columbia Univ. Press, 1947. Pp. vi + 176. \$2.75.

SISAM, J. W. B. *The use of aerial survey in forestry and agriculture*. (Imperial Agricultural Bureaux, Joint Publ. No. 9.) Oxford, Engl.: Imperial Forestry Bureau, 1947. Pp. 59 + 67 plates. 7s. 6d.

SKILLING, WILLIAM T., and RICHARDSON, ROBERT S. *Astronomy*. (2nd ed.) New York: Henry Holt, 1947. Pp. xi + 692. (Illustrated.) \$4.75.

WORMINGTON, H. M. *Prehistoric Indians of the Southwest*. Denver, Colo.: Colorado Museum of Natural History, 1947. Pp. 191. (Illustrated.) Paper, \$1.50; Cloth, \$2.50.