

But as matters stand, the chapter on relations and the chapters on "predicate logic" are treatments of what is, in one sense, the same theory from two different viewpoints, without adequate explanation of the relationship between the two.

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Radioactivity and Nuclear Physics.

James M. Cork. Van Nostrand, New York, ed. 3, 1957. xii + 415 pp. Illus. \$7.75.

Radioactivity and Nuclear Physics, now in its third edition (the second edition was published in 1950) is still the readable introductory text it was when it first appeared, in 1947. In the new edition the emphasis is on the descriptive side, and any theoretical questions are treated at a very elementary level. A particular characteristic of this book is its concern with questions of historical interest. In the chapter on accelerators, for example, a full page is devoted to an unsuccessful experiment, performed in 1928, to use atmospheric electricity. As compensation for such digressions, not only the bevatron, the cosmotron, and alternate gradient strong focusing accelerators but even the fixed field alternating gradient principle is described.

In the section on detection devices one becomes familiar with point counters, crystal counters, and naphthalene scintillation counters but not with liquid and plastic scintillators, which are much more important today. The author's love of historical facts also shows up in the parts dealing with nuclear phenomena. Only if one keeps this in mind is it understandable why the discussion of the Konopinski-Uhlenbeck theory of beta decay and its experimental aspects has not been eliminated or at least appreciably condensed. The chapter on cosmic radiation does not quite reflect today's situation in this field, in spite of the presentation of some new material.

A comparison with the second edition shows that the number of pages remains the same despite the addition of a completely new and good chapter on the nucleus. This chapter contains, among other things, a discussion of nuclear moments, of the different nuclear models (including the collective model), and even (in a footnote added in proof) of the nonconservation of parity. Eliminations and additions have been made throughout the book, and many data have been brought up to date. It goes without saying that several errors which marred the second edition are now corrected.

HEINRICH MEDIGUS

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New Books

The Articulates. John M. Henry. Bobbs-Merrill, Indianapolis and New York, 1957. 254 pp. \$4.

Eels, a Biological Study. Léon Bertin. Philosophical Library, New York, 1957. 200 pp. \$7.50.

Biochemical Cytology. Jean Brachet. Academic Press, New York, 1957. 527 pp. \$8.80.

The American Economy. Alvin H. Hansen. McGraw-Hill, New York, 1957. 214 pp. \$5.

The Admirable Discourses of Bernard Palissy. Translated by Aurèle La Rocque. University of Illinois Press, Urbana, 1957. 272 pp. \$5.50.

The Creative Power of Mind. Willis H. Kinnear. Prentice-Hall, Englewood Cliffs, N.J., 1957. 270 pp. \$4.95.

Advances in Electronics and Electron Physics. vol. IX. L. Marton, Ed. Academic Press, New York, 1957. 357 pp. \$9.

Occupational Information. Where to get it and how to use it in counseling and teaching. Including a revised and enlarged edition of the author's group guidance. Robert Hoppock. McGraw-Hill, New York, 1957. 544 pp. \$6.75.

Microtechniques of Clinical Chemistry for the Routine Laboratory. Samuel Natelson. Thomas, Springfield, Ill., 1957. 499 pp. \$11.

An Introduction to Algebraic Topology. Andrew H. Wallace. Pergamon Press, New York, 1957. 205 pp. \$6.50.

The Scientific Study of Social Behaviour. Michael Argyle. Philosophical Library, New York, 1957. 251 pp. \$6.

Physical Chemistry. E. A. Moelwyn-Hughes. Pergamon Press, New York, 1957. 1302 pp. \$15.

Introduction to the Mechanics of Stellar Systems. Rudolf Kurth. Pergamon Press, New York, 1957. 183 pp. \$9.

The Planet Venus. Patrick Moore. Macmillan, New York, 1957. 132 pp. \$3.

Selected Writings of Walter E. Dandy. Compiled by Charles E. Troland and Frank J. Otenasek. Thomas, Springfield, Ill., 1957. 796 pp. \$15.

Dynamic Psychopathology. An introduction. Thomas F. Graham. Christopher Publishing House, Boston, 1957. 251 pp. \$5.

Complexometric Titrations. Gerold Schwarzenbach. Translated and revised with the author by Harry Irving. Methuen, London; Interscience, New York, 1957. 150 pp.

Reptiles Round the World. Clifford H. Pope. A simplified natural history of the snakes, lizards, turtles, and crocodilians. Clifford H. Pope. Knopf, New York, 1957. 219 pp. \$3.50.

An Educational History of the American People. Adolphe E. Meyer. McGraw-Hill, New York, 1957. 464 pp.

Bergey's Manual of Determinative Bacteriology. Robert S. Breed, E. G. D. Murray, Nathan R. Smith. Williams & Wilkins, Baltimore, ed. 7, 1957. 1112 pp. \$15.

Job Attitudes: Review of Research and Opinion. Frederick Herzberg, Bernard Mausner, Richard O. Peterson, Dora F. Capwell. Psychological Service of Pittsburgh, Pittsburgh, 1957. 291 pp. \$7.50.

Brainpower Quest. Andrew A. Freeman, Ed. Macmillan, New York, 1957. 253 pp. \$4.75.

Methods in Enzymology. vol. IV. Sidney P. Colowick and Nathan O. Kaplan. Academy Press, New York, 1957. 991 pp. \$24.

Dynamic Programming. Richard Bellman. Princeton University Press, Princeton, N.J., 1957. 367 pp. \$6.75.

On Nuclear Energy. Its potential for peacetime uses. Donald J. Hughes. Harvard University Press, Cambridge, Mass., 1957. 274 pp. \$4.75.

Games and Decisions. Introduction and critical survey. A study of the behavioral models project, Bureau of Applied Social Research, Columbia University. R. Duncan Luce and Howard Raiffa. Wiley, New York; Chapman & Hall, London, 1957. 518 pp. \$8.75.

The Epileptic Seizure. Its functional morphology and diagnostic significance. A clinical-electrographic analysis of metrazol-induced attacks. Cosimo Ajmone-Marsan and Bruce L. Ralston. Thomas, Springfield, Ill., 1957. 263 pp. \$6.

Clinical Pathology Data. Compiled by C. J. Dickinson. Thomas, Springfield, ed. 2, 1957. 109 pp. \$4.

The Alkaloids. K. W. Bentley. Interscience, New York, 1957. 244 pp. \$4.

A Treatise on Limnology. vol. 1, *Geography, Physics and Chemistry*. G. Evelyn Hutchinson. Wiley, New York; Chapman & Hall, London, 1957. 1029 pp. \$19.50.

Sixth Symposium (International) on Combustion. At Yale University, New Haven, Conn., 19-24 Aug. 1956. Reinhold (for the Combustion Institute), New York; Chapman & Hall, London, 1957. 968 pp. \$28.

The Space Encyclopaedia. A guide to astronomy and space research. Dutton, New York, 1957. 287 pp. \$6.95.

Other Men's Skies. Robert Bunker. Indiana University Press, Bloomington, 1956. 256 pp. \$4.50.

Selected Speeches, 1948-1955, by His Royal Highness The Prince Philip, Duke of Edinburgh. Oxford University Press, London, 1957. 166 pp. \$3.

Recovery from Schizophrenia. The Roland method. John Eisele Davis. Thomas, Springfield, Ill., 1957. 173 pp. \$4.75.

Anatomies of Pain. K. D. Keele. Thomas, Springfield, Ill., 1957. 216 pp. \$5.50.

Introduction to Protein Chemistry. Sidney W. Fox and Joseph F. Foster. Wiley, New York; Chapman & Hall, London, 1957. 467 pp. \$9.50.

Changing Values in College. An exploratory study of the impact of college teaching. Philip E. Jacob. Harper, New York, 1957. 174 pp. \$3.50.

Metabolic Aspects of Transport Across Cell Membranes. Q. R. Murphy. University of Wisconsin Press, Madison, 1957. 403 pp. \$7.50.

International and Interregional Economics. Seymour E. Harris. McGraw-Hill, New York, 1957. 578 pp.

Pioneering in Industrial Research. The story of the General Electric Research Laboratory. Kendall Birr. Public Affairs Press, Washington, D.C., 1957. 211 pp. \$4.50.