

introduction to the theory of weak interactions, including a very clear account of the experimental status of the relevant symmetry principles. The second chapter, entitled "Mathematical preliminaries," provides elegant summaries of all the basic theoretical methods employed in the book, but its 120 pages may prove somewhat forbidding even to advanced graduate students. Although the volume therefore may prove somewhat difficult as a textbook, it is likely to remain the standard reference book on weak interaction theory for some time to come.

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Many-Body Problems

Mathematical Methods in Solid State and Superfluid Theory. Scottish Universities Summer School in Physics, St. Andrews, 1967. R. C. CLARK and G. H. DERRICK, Eds. Plenum, New York, 1968. xvi + 400 pp., illus. \$26.50.

The organizers of the summer school of which this book is the proceedings were able to bring together some very erudite physicists, who in addition write with clarity. There are lectures by Lanczos on variational methods and by Gross on transformation theory which discuss well-developed subjects from a unified and a refreshing point of view. The presentation emphasizes the esthetics of the subject matter, an aspect the reviewer especially enjoyed. The other lectures deal with matters of varying degree of current activity, but again always emphasize the generalities of their subjects. There are lectures also on recent developments in many-body physics such as spin fluctuations, uses of the Bogolyubov inequality, and solution of the ice model which are of considerable interest to theoretical physicists and chemists.

The lectures are almost all written up with a great deal of sophistication and assume some prior knowledge of the subject matter. The strongest sentiment the book excites is the wish that one had attended the summer school. For those of us who did not, and have a smattering of knowledge in many-body theory, it is an excellent book to have available at the institutional library.

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Books Received

The Acquisition of Syntax in Children from 5 to 10. Carol Chomsky. M.I.T. Press, Cambridge, Mass., 1969. xiv + 130 pp., illus. \$5.95. Research Monograph No. 57.

Advances in Catalysis and Related Subjects. Vol. 20. D. D. Eley, Herman Pines, and Paul B. Weisz, Eds. Academic Press, New York, 1969. xviii + 438 pp., illus. \$19.50.

Advances in Clinical Chemistry. Vol. 12. Oscar Bodansky and C. P. Stewart, Eds. Academic Press, New York, 1969. xvi + 464 pp., illus. \$19.50.

Advances in Virus Research. Vol. 15. Kenneth M. Smith, Max A. Lauffer, and Frederick B. Bang, Eds. Academic Press, New York, 1969. viii + 464 pp., illus. \$19.50.

Ancillary Techniques of Gas Chromatography. Leslie S. Ettre and William H. McFadden, Eds. Wiley-Interscience, New York, 1969. xii + 404 pp., illus. \$17.50.

Approaches to Animal Communication. Thomas A. Sebeok and Alexandra Ramsay, Eds. Mouton, The Hague, 1969. 262 pp., illus. F. 52. Approaches to Semiotics, vol. 1.

The Archeology of the New Testament. The Life of Jesus and the Beginning of the Early Church. Jack Finegan. Princeton University Press, Princeton, N.J., 1969. xxvi + 278 pp., illus. \$20.

Aspects of Palynology. Robert H. Tschudy and Richard A. Scott, Eds. Wiley-Interscience, New York, 1969. x + 518 pp., illus. \$24.95.

Basic Color Terms. Their Universality and Evolution. Brent Berlin and Paul Kay. University of California Press, Berkeley, 1969. xiv + 178 pp., illus., + chart. \$8.50.

Behavior Therapy. Aubrey J. Yates. Wiley, New York, 1970. xiv + 450 pp., illus. \$13.95. Series in Psychology.

Bloodsucking Flies and Other Outdoor Nuisance Arthropods of New York State. Hugo Jamnback. New York State Museum and Science Service, Albany, 1969. x + 90 pp., illus. Paper, \$2. Memoir 19.

The Burrowing Barnacles (Cirripedia: Order Acrothoracica). Jack T. Tomlinson. Smithsonian Institution Press, Washington, D.C., 1969 (available from the Superintendent of Documents, Washington, D.C.). vi + 162 pp., illus. Paper, \$1.25. U.S. National Museum Bulletin 296.

Catalog of Recent Ophiuroid Type Specimens in Major Collections in the United States. Maureen E. Downey. Smithsonian Institution Press, Washington, D.C., 1969 (available from the Superintendent of Documents, Washington, D.C.). vi + 240 pp. Paper, \$1.50. U.S. National Museum Bulletin 293.

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Computational Methods in Partial Differential Equations. A. R. Mitchell. Wiley, New York, 1969. xvi + 256 pp., illus. \$11. Introductory Mathematics for Scientists and Engineers.

A Concept of Corporate Planning. Russell L. Ackoff. Wiley-Interscience, New York, 1970. xiv + 162 pp., illus. \$7.95.

Concepts of Zoology. Hubert Frings and Mable Frings. Macmillan, New York; Collier-Macmillan, London, 1970. x + 454 pp., illus. \$9.95.

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The Cost of Accidents. A Legal and Economic Analysis. Guido Calabresi. Yale University Press, New Haven, Conn., 1970. xii + 340 pp. \$10.

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A Directory of University Urban Research Centers. Urban Institute, Washington, D.C., 1970. 144 pp. Paper, \$3.50.

Down's Syndrome (Mongolism). A Reference Bibliography. Rudolf F. Vollman. National Institutes of Health, Bethesda, Md., 1969 (available from the Superintendent of Documents, Washington, D.C.). iv + 92 pp. Paper, 45¢.

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The Ecosystem Concept in Natural Resource Management. Based on a symposium, Albuquerque, February 1968. George M. Van Dyne, Ed. Academic Press, New York, 1969. xiv + 386 pp., illus. \$16.50.

Electric Motors and Their Applications. Tom C. Lloyd. Wiley-Interscience, New York, 1969. xii + 340 pp., illus. \$10.50.

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Energy and the Mitochondrion. David E. Green and Harold Baum. Academic Press, New York, 1970. xiv + 210 pp., illus. \$8.50.

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Evolution. Jay M. Savage. Holt, Rinehart and Winston, New York, ed. 2, 1969. viii + 152 pp., illus. Paper, \$2.95. Modern Biology Series.

Exposed Precambrian Rocks in South-
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