

REVIEWS

Interpretation of NMR Spectra: An Empirical Approach. By ROY H. BIBLE, JR. Plenum Press, 227 West 17th St., New York, N. Y. 10011, 1965. x + 150 pp. 15.5 × 23.5 cm. Price \$12.50.

The aim of the author is (a) to teach organic chemists to interpret their proton NMR spectra and (b) to provide handbook data for the job. In the latter aim he has done excellently. As to the first aim, his success is relative to the depth of the interpretation envisioned. He has given little more than recipes for the assignment of chemical shift values and spin-spin coupling constants. There is almost no discussion of physical interpretation.

Though it consists almost exclusively of empirical generalizations, the book is easy to read, owing to the author's lucidity and his use of a generous number of examples. Most of the points discussed in the text are ultimately summarized in tabular form. There are adequate references to the literature.

The earlier chapters describe the variation in chemical shift and coupling constant with structure, with numerous tables and graphs summarizing the experimental data. A wall chart of characteristic chemical shift ranges is furnished. The intensity patterns of first-order splitting comprises one chapter, which is followed by a discussion of the complications arising from higher order splitting. This chapter includes the method of numerical analysis of the ABX spectrum. Methods for simplifying complex spectra for interpretation are presented, and a final chapter outlines an over-all analysis of the spectrum. The appendix includes a glossary to the jargon of the field, which has largely grown out of electronic engineering and quantum physics.

This book will have its best application by those

whose primary interest is the routine use of NMR in structural problems. It will also serve a beginner in the field by making easier the reading of Pople, Schneider, and Bernstein. As a virtual summary of the 500 pages of the latter, it is curious that it comes at almost the same price.

Reviewed by L. D. Tuck
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Handbook of Ultraviolet Methods. By ROBERT G. WHITE. Plenum Press, 227 W. 17th St., New York, N. Y. 10011, 1965. 356 pp. 17 × 26 cm. Price \$17.50.

This book contains more than 1600 references to ultraviolet methods of analysis which have appeared in technical journals during the past 25 years. The references cited deal primarily with substances of biological significance. Emphasis is placed on the material or compound being analyzed rather than on instrumentation or techniques. All entries describe the subject treated and some contain considerable detail. The items are arranged alphabetically by senior author; specific substances are indexed by chemical name with cross-indexing to generic and trivial names. Chemists may find some of the abbreviations used, particularly ASTM CODEN for reference citations, unfamiliar initially. However, this volume should prove a useful and rapid reference to available literature on ultraviolet spectrophotometric methods of analysis.

Reviewed by Carolyn Damon
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NOTICES

Caries-Resistant Teeth. Ciba Foundation Symposium. Edited by G. E. W. WOLSTENHOLME and M. O'CONNOR. Little, Brown and Co., Boston, Mass. 02106, 1965. xii + 338 pp. 14 × 21 cm. Price \$12.50.

Complement. Ciba Foundation Symposium. Edited by G. E. W. WOLSTENHOLME and J. KNIGHT. Little, Brown and Co., Boston, Mass. 02106, 1965. xiii + 388 pp. 14 × 21 cm. Price \$12.50.

Drug Presentation and Prescribing. By W. R. L. BROWN and J. W. HADGRAFT. Pergamon Press Inc., 44-01 21st St., Long Island City, N. Y. 11101, 1965. viii + 118 pp. 13 × 19.5 cm. Price \$3.00. Paperbound.

Pharmaceutical Abstracts. Vol. V, Issue No. 5. Edited by H. M. BURLAGE. College of Pharmacy, University of Texas, Austin, Texas 78712, 1964. 21 × 28 cm. Price \$4. Paperbound. Issues 1 and 2 combined and issues 3 and 4 combined are available at \$2.50 postpaid. A listing of previous issues with prices is available upon request. Vol. VI, Issue No. 1, April, 1965. Price \$2.75 postpaid.

Index Nominum, Supplement 1965. Edited by the Laboratory of the Swiss Pharmaceutical Society, Zürich. Publishers: Swiss Pharmaceutical Society, Sihlstr. 37, 8001 Zürich, Switzerland. (To be inserted in place of the 1964 supplement.) 135 pp. 17 × 24 cm. Price: Swiss francs 22.—. Price of the entire Index Nominum 1963/65, Swiss francs 95.—, binders I and II included.