R. EDMAN, Department of Chemistry, University of Hawaii, Honolulu, Hawaii 96822.

The order of appearance of Figures 2-4 is in error although the captions are correctly located. The graph appearing first is Figure 4, while the energy diagram and the second graph are Figures 2 and 3.

In Table IV, the quantum yield of reaction with mixed sensitizers should be read as 0.0002.

Topological Representation of Stereoisomerism. I. Polytopal Rearrangements [J. Am. Chem. Soc., 91, 1636 (1969)]. By E. L. MUETTERTIES, Frick Laboratory, Princeton University, Princeton, New Jersey 08540.

On page 1642, the second sentence in column one should read: "The stereoisomeric class is not closed although  $I \cdot \delta$  products are equivalent."; and the tenth sentence should read "number of steps for this process is eight." The numbering sequence for the icosahedron to the right in Figure 14 should be 1, 3, 6, 11, 12, 7, 2, 5, 10, 8, 4, 9.

Diamagnetic Susceptibility Exaltation in Hydrocarbons [J. Am. Chem. Soc., 91, 1991 (1969)]. By HYP J. DAUBEN, JR., JAMES D. WILSON, and JOHN L. LAITY, Department of Chemistry, University of Washington, Seattle, Washington 98105.

The first citation in footnote 56 should be: J. Musher, J. Chem. Phys., 43, 4081 (1965).

Photolysis of Diene-Iron Tricarbonyls. Evidence for Norbornadien-7-one [J. Am. Chem. Soc., 91, 2120 (1969)]. By J. M. Landesberg and J. Sieczkowski, Department of Chemistry, Adelphi University, Garden City, New York 11530.

On page 2120, paragraph 4, line 6, 9 should read 3.

A Synthesis of Quebrachamine and 3,4-Dehydroque-brachamine [J. Am. Chem. Soc., 91, 2342 (1969)]. By

FREDERICK E. ZIEGLER, JAMES A. KLOEK, and PHILLIP A. ZORETIC, Sterling Chemistry Laboratory of Yale University, New Haven, Connecticut 06520.

The following corrections in diagrams should be

Cyclopropanone Reactions. Cyclobutanone Derivatives from Vinylic and Acetylenic Cyclopropanols [J. Am. Chem. Soc., 91, 2376 (1969).] By HARRY H. WASSERMAN, ROBERT E. COCHOY, and MARK S. BAIRD, Department of Chemistry, Yale University, New Haven, Connecticut 06520.

On page 2376 the formula between IV and V should have a positive charge as shown below.

## Book Reviews

Inorganic Electronic Spectroscopy. By A. B. P. Lever, B. Sc., A.R.C.S., Ph.D., D.I.C., Associate Professor of Chemistry, York University, Toronto, Canada. American Elsevier Publishing Co. Inc., 52 Vanderbilt Ave., New York, N. Y. 1968. xii + 420 pp. 15.5 × 23 cm. \$31.50.

This book fills a much neglected gap for the beginning researcher in the field of inorganic electronic spectroscopy. The book describes in nonmathematical terms the basics for understanding and interpreting the phenomenon of the absorption spectroscopy of transition metal complexes and is a convenient starting point for the more advanced texts in this area.

The first five chapters give the basic foundation for much of the rest of the book. The chapters titled Atomic Structure, Molecular Symmetry, Group Theory, Crystal Field Diagrams, and Term Diagrams are reasonably well written; however, much of the material is presented with no attempt to justify it. This would be very dissatisfying to the serious student, but should present little problem if one is *only* trying to obtain an overview of the field of inorganic electronic spectroscopy.

The next two chapters—Selection Rules, Band Intensities and Dichroism and Some Theoretical Aspects of Electronic Spectra—

provide valuable information and techniques for assignments and interpretations of spectra not found in any one book. Again, since the theory considerations occupy only about 30 pages, they cannot be too satisfying, but the essentials are presented. The discussion of the variation of the Racah parameter B should of course be taken with a grain of salt.

Perhaps the most important contribution of this book is in the last two chapters which deal with applications of the ideas presented earlier in the book. There is a short chapter on charge-transfer spectra which adequately conveys the message that this type of spectra is not well understood. The last and in my opinion the most important chapter is a compilation of spectra for individual transition metals ions in various steriochemistries and oxidation states. Many spectra are reproduced in this chapter, and their assignments are discussed in detail utilizing the techniques such as dichroism and band intensities where applicable. The author has also pointed out many of the pitfalls that one can run into and has alerted the reader to those assignments which may be incorrect or still under question. The large number of references in these chapters gives a key to the literature up to early 1967.

The appendices contain character tables for various groups, a method for calculating one-electron d-orbital energies, and a novel set of diagrams for calculating the ratio Dq/B from the values of  $\nu_i/\nu_j$ . In addition, there is a section on determinental wave functions and energy level for tetragonal d³ and d³ systems. These appendices add little, except to make the book a little more complete.

In general, the text was remarkably free from errors and the book was well composed. I would be remiss in my duties, however, if I did not comment on the price. At 7.5¢ per page, I think the book has been priced too high to be used as a text or for use by the young researcher.

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