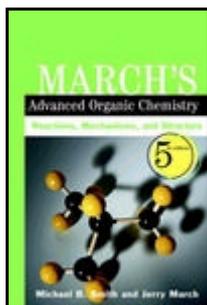


*Book Received\**

**March's Advanced Organic Chemistry: Reactions, Mechanisms, and Structure, 5th Edition.** By Michael B. Smith, Jerry March. Wiley-VCH, Weinheim, December 2000. 2112 Pages. Hardcover. Price: \$74.95. ISBN: 0-471-58589-0

*Received: 1 December 2001*



"...the book remains tremendous value for money...more pages per buck than most other texts...so it will remain a firm favourite as a general organic text and an easy-to-use 1-volume reference...will undoubtedly appear in all organic chemistry libraries and probably on many chemists' personal bookshelves too." (Organic Process Research & Development Journal, Vol. 5, No. 6, November 2001)

"March has been uncompromising in his search for clarity and utility in presentations of a wide variety of essential organic chemistry. It remains an accessible and useful tool for both specialists and nonspecialists in the field. It does an excellent job both as a text for first-year graduate students and a handy reference for others."- Journal of Chemical Education

"The ratio of information to price makes this book a wonderful bargain."-American Scientist

New to this Fifth Edition:

- \* Michael Smith from the University of Connecticut joins as coauthor for the Fifth Edition
- \* Contains 20,000 valuable, selected references to the primary literature-5,000 new to this edition
- \* 40 entirely new sections covering the most important developments in organic chemistry since the previous edition
- \* Updated illustrations of molecular structures

Table Of Contents:

Bibliographical Note.

Abbreviations.

PART 1.

Localized Chemical Bonding.

Delocalized Chemical Bonding.

Bonding Weaker than Covalent.

Stereochemistry.

Carbocations, Carbanions, Free Radicals, Carbenes, and Nitrenes.

Mechanisms and Methods of Determining Them.

Photochemistry.

Acids and Bases.

Effects of Structure on Reactivity.

PART 2.

Aliphatic Nucleophilic Substitution.

Aromatic Electrophilic Substitution.

Aliphatic Electrophilic Substitution.

Aromatic Nucleophilic Substitution.

Free-Radical Substitution.

Addition to Carbon-Carbon Multiple Bonds.

Addition to Carbon-Hetero Multiple Bonds.

Eliminations.

Rearrangements.

Oxidations and Reductions.

Appendix A: The Literature of Organic Chemistry.

Appendix B: Classification of Reactions by Type of Compound Synthesized.

Author Index.

Subject Index.

*\*Editor's Note:* The brief summary and the contents of the books are reported as provided by the author or the publishers. Authors and publishers are encouraged to send review copies of their recent books of potential interest to readers of *Molecules* to the Editor-in-Chief (Dr. Shu-Kun Lin, MDPI, Saengergasse 25, CH-4054 Basel, Switzerland. Tel. +41 79 322 3379, Fax +41 61 302 8918, E-mail: molinfo@mdpi.org). Some books will be offered to the scholarly community for the purpose of preparing full-length reviews.