

Additions and Corrections

Mechanistic Studies of the Biosynthesis of 3,6-Dideoxy Sugars: Stereochemical Analysis of C-3 Deoxygenation [*J. Am. Chem. Soc.* **1995**, *117*, 5158–5159]. PATRICIA A. PIEPER, ZHIHONG GUO, AND HUNG-WEN LIU*

It has come to our attention that we inadvertently omitted reference to an important paper published by Gould and Guo [Gould, S. J.; Guo, J. *J. Am. Chem. Soc.* **1992**, *114*, 10176–10181] in which they reported the stereochemistry of C-3 deoxygenation of pentopyranine C, a sugar nucleoside from *Streptomyces griseochromogenes*. The same conclusion was reached in their studies. We were well aware of the contribution made by Gould and his co-workers and we apologize for this oversight.

JA955025Q

Book Reviews *

Alkaloids: Chemical and Biological Perspectives, Volume 9. Edited by S. William Pelletier (Institute for Natural Products Research). Elsevier: Amsterdam. 1994. xv + 286 pp. \$125.00. ISBN 0-08-042089-3.

This monograph series provides unprecedented interdisciplinary coverage of research relating to the chemistry and biological properties of alkaloids—a class of biologically active compounds of more than 10 000 members. Timely, comprehensive, and authoritative, the series features chapters on chemical properties and structure elucidation, synthesis, biosynthesis, taxonomy, spectroscopy, pharmacology, toxicology, and X-ray crystallography of alkaloids. The chapters are written and reviewed by eminent researchers, all of them acknowledged experts in the field. Contents of chapters include Taxol, The synthesis of macroline related sarpagine alkaloids, Erythrina alkaloids, Chemistry, biology & chemocology of the pyrrolizidine alkaloids, Alkaloids from cell cultures of *Aspidosperma Quebracho-Blanco*, and Fumonisin.

JA955290B

Handbook of Food Additives. Edited by Michael and Irene Ash (Synapse Information Resources, Inc.). Gower: England. 1995. xiv + 1025 pp. \$295.00. ISBN 0-566-07592-X.

The Handbook of Food Additives describes 5000 trade names and 2500 chemicals that function as food additives. Entries for both trade names and chemicals contain extensive information gathered worldwide from manufacturers, distributors, trade journals, government documents, and other references. This comprehensive reference includes summaries of regulatory information for the United States, Europe, and Japan. The products described in this handbook are cross-referenced in multiple ways: chemical composition, function, CAS number, EINECS number, FEMA number, and E number. The handbook includes a demonstration disk of a sample of the electronic version.

JA9552860

Coordination Chemistry—A Century of Progress. Edited by George B. Kauffman. American Chemical Society: Washington, DC. 1994. xvi + 464 pp. ISBN 0-8412-2958-9.

ACS Symposium Series No. 565 was organized to celebrate the 100th anniversary of the publication of Alfred Werner's coordination theory, *Beitrag zur Konstitution anorganischer Verbindungen*. This book contains biographical chapters on famous chemists in coordination chemistry and chapters describing other historical aspects of chemistry. The authors examine current issues in isomerism and other aspects of coordination chemistry and discuss applications of coordination chemistry, such as solvent extraction of metals, materials chemistry, and

environmental chemistry. The book contains chapters by Nobel laureates Glenn T. Seaborg and Linus Pauling.

JA9552104

XIVth International Conference on Raman Spectroscopy. Edited by N.-T. Yu and X.-Y. Li (The Hong Kong University of Science and Technology). Wiley: New York. 1995. Iviii + 1137 pp. \$275.00. ISBN 0-471-95216-8.

This volume contains the abridged texts of the keynote lecture and plenary lectures and the two-page summaries of invited oral papers and poster contributions presented at the Fourteenth International Conference on Raman Spectroscopy held in Hong Kong in 1994.

JA9552813

Exploring QSAR Fundamentals and Applications in Chemistry and Biology, Volume 1. Hydrophobic, Electronic and Steric Constants, Volume 2. Edited by Corwin Hansch, Albert Leo, and David Hoekman (Pomona College). American Chemical Society: Washington, DC. 1994. Volume 1: xvii + 557 pp. Volume 2: xix + 348 pp. \$99.95. ISBN 0-8412-2993-7.

This two-volume set investigates the interaction of organic compounds with various forms of life, including macromolecules, enzymes, and organelles. It provides an introduction to the Hammett equation and its applications, as well as a discussion of the design of bioactive compounds. Volume 2 includes extensive tables of approximately 17 000 partition coefficients from octanol–water and a comprehensive listing of electronic and steric parameters used in the design and study of bioactive organic compounds.

JA9552875

Perfect Symmetry—The Accidental Discovery of Buckminsterfullerene. Edited by Jim Baggett. Oxford University Press: New York. 1994. ix + 315 pp. \$29.95. ISBN 0-19-855790-6.

Buckminsterfullerene, a perfectly symmetrical soccer-ball shape composed of 60 carbon atoms, is one of a large family of carbon cage molecules called "fullerenes." This new molecule represents a new form of carbon in addition to diamond and graphite. Its discovery has revolutionized our understanding of this once most familiar of all elements. It has heralded a new chemistry, a new range of high-temperature superconductors, and some marvelous new concepts in the architecture of large carbon structures. This book tells the story of the accidental discovery of buckminsterfullerene, from its origins in the cold chemistry of interstellar clouds to the development of the fast-growing field of fullerene science.

JA9552858

*Unsigned book reviews are by the Book Review Editor.