Additions and Corrections

The First Stable Cyclotrisilene [*J. Am. Chem. Soc.* **1999**, *121*, 886−887]. TAKEAKI IWAMOTO, CHIZUKO KABUTO, AND MITSUO KIRA*

Page 886: There is an important error in the quantity of the reagents given in the first paragraph in the second column: The first sentence of the paragraph should read: "Cyclotrisilene **3** was obtained in a good yield by the following process (eq 2): To a suspension of KC_8 (19.3 mmol) in THF (15 mL) was added a solution of **4** (6.45 mmol) in THF (10 mL) at −78 °C.[7]"

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Book Reviews *

Biosensors for Environmental Monitoring. Edited by Ursula Bilitewski (Gesellschaft fur Biotechnologishe Forschung mbH) and Anthony P. F. Turner (Cranfield University). Harwood Academic Publishers: Amsterdam. 2000. xii + 428 pp. $120.00. ISBN 90-5702-449-7

The subject of this book should be of interest to regulators, lawyers, industrial managers, students, and researchers in environmental science and technology who need to be familiar with the monitoring tools and their accuracy, resolution, specificity, and detection limits. The core of the book consists of three chapters dealing with biosensors of water, soil, and air pollutants, and a fourth dealing with the essential instruments and methods of pollutant analysis. The chapters review the literature mostly through 1996, though some more recent references are also included. The first three chapters of the book are tutorial, teaching the nonspecialist the physical, chemical, biochemical, and biological principles on which the mostly photonic and electrochemical environmental sensors are based. The book also considers the essential environmental sampling and sample processing methods. It is thorough in its listing and comparison of the sensors and the biosensing methods. Many practical sensors are carefully described, and their manufacturers are listed, as are methods adopted by some environmental regulatory agencies. However, the text is not always clear on whether a particular biosensor or method was field-tested or adopted by a regulatory agency. Overall, the book should serve well its intended audience of professionals seeking information about the existence and performance of biosensors of environmental pollutants.

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CRC Handbook of Chemistry and Physics. 81st Edition. Edited by David R. Lide (National Institute of Standards and Technology). CRC Press: Boca Raton, FL. 2000. 2556 pp. $129.95. ISBN 0-8493-0481-4

This well-known and comprehensive reference book compiles useful scientific data—from the periodic table to bond lengths in organometallic compounds—in the fields of chemistry and physics. New data featured in the 81st edition include tables of (1) the melting point and boiling point indexes of organic compounds, (2) the electrical conductivity of water, (3) the properties of liquid helium, (4) the bond length in organometallic compounds, (5) organic magnets, (6) the pressure−volume−temperature relationship for polymer melts, and (7) the characteristics of human hearing. In addition, tables of fundamental physical constants, conversion factors, the elements, dissociation constants of organic acids and bases, dipole moments of molecules in the gas phase, and threshold limits for airborne contaminants were updated for this edition.

JA0048230

10.1021/ja0048230

Reference Materials in Analytical Chemistry. A Guide for Selection and Use. Edited by A. Zschunke (Bundesanstalt für Materialforschung und-prüfung). Springer-Verlag: Berlin, Heidelberg, New York. 2000. xvi + 224 pp. $74.95. ISBN 3-540-66776-8

The intent of this book is to improve "the understanding of the fundamentals of reference materials use". With this in mind, the book includes the following chapters: Classification of Reference Materials; Certification of Reference Materials; Reference Materials in Materials Testing; Reference Materials in Environmental Studies; Reference Materials in Clinical and Forensic Toxicological Analysis; Use of Reference Materials in Gas Analysis; and The International Network.

JA004809N

10.1021/ja004809n

Polysaccharide Applications: Cosmetics and Pharmaceuticals. ACS Symposium Series 737. Edited by Magda A. El-Nokaly and Helena A. Soini (The Procter and Gamble Company). American Chemical Society: Washington, DC (Distributed by Oxford University Press). 1999. xvi + 348 pp. $135. ISBN 0-8412-3641-0.

This book brings together recent research in polysaccharide chemistry. Its chapters cover such topics as the role of polysaccharides in drug and vaccine delivery, new analytical techniques for characterizing polysaccharides, the physical chemistry and microstructure of polysaccharide−surfactant gels, cellulosic liquid crystals, and polysaccharide hydration.

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*Unsigned book reviews are by the Book Review Editor.