

highly stereoselective, introducing four hydrogen atoms onto the same face of acenaphthene, naphthalene, and anthracene.

**Acknowledgment.** We thank the National Science Foundation (Grant CHE-8915573) for support of this research. J.S.Y.

(12) For a discussion of the coupling constants in molecules in this type, see: Anet, F. A. L. In *The Conformational Analysis of Cyclohexenes, Cyclohexadienes, and Related Hydroaromatic Compounds*; Rabideau, P. W., Ed.; V. C. H. Publishers: New York, 1989.

(13) The spectra of a number of isomers of naphthalene tetrachloride have been analyzed: (a) de la Mare, P. B. D.; Johnson, M. D.; Lomas, J. S.; Sanchez del Olmo, V. *J. Chem. Soc., Chem. Commun.* **1965**, 483. (b) de la Mare, P. B. D.; Johnson, M. D.; Lomas, J. S.; Sanchez del Olmo, V. *J. Chem. Soc. B* **1966**, 827. (c) de la Mare, P. B. D.; Koenigsberger, R.; Lomas, J. S. *J. Chem. Soc. B* **1966**, 834.

## Additions and Corrections

**Effect of Allylic Substituents on the Face Selectivity of Diels–Alder Reactions of Semicyclic Dienes** [*J. Am. Chem. Soc.* **1990**, *112*, 8472]. S. C. DATTA, R. W. FRANCK,\* R. TRIPATHY, G. J. QUIGLEY, L. HUANG, S. CHEN, and A. SIHAED

Page 8473, Table I, entry 11: The stereochemistry of adduct **16** was reported as 100% syn when, in fact, it is 100% anti. In the discussion, in the left-hand column at the bottom of page 8474, it is correctly reported as anti.

**Stereospecificity of the  $\beta$ -Hydroxyl Elimination from the (Hydroxyalkyl)chromium Complex  $(\text{H}_2\text{O})_5\text{Cr}^{\text{III}}\text{—CH}(\text{CH}_3)\text{CH}(\text{CH}_3)\text{OH}^{2+}$**  [*J. Am. Chem. Soc.* **1991**, *113*, 5292]. HAIM COHEN,\* ALEXANDER FELDMAN, RUTH ISH-SHALOM, and DAN MEYERSTEIN\*

Page 5295, Figure 2a: The  $X$  coordinate should have the dimensions  $[\text{H}_3\text{O}^+] \times 10$  and not  $[\text{H}_3\text{O}] \times 10^3$ .

Page 5297, Figure 5:  $\square$  should be % 1-butene and  $\blacksquare$  % *trans*-2-butene.

gratefully acknowledges the award of a David Ross Fellowship from the Purdue Research Foundation, while B.C.A. would like to thank the SERC for the award of a NATO Postdoctoral Fellowship. We also thank C. Zambrano and D. Carlson for technical assistance in obtaining the  $\{^2\text{H}\}^1\text{H}$  NMR spectra and Prof. John Grutzner for helpful discussions.

**Supplementary Material Available:**  $^1\text{H}$ ,  $^2\text{H}$ ,  $^{13}\text{C}$ , and  $\{^1\text{H}\}^{13}\text{C}$  NMR spectra of the products of hydrogenation ( $\text{H}_2$ ) of acenaphthene- $d_{10}$ , simulations of the spectra expected for *cis* and *trans* isotopomers of  $\text{C}_{10}\text{D}_8\text{H}_4$  and  $\text{C}_{14}\text{D}_{10}\text{H}_4$  for comparison with the observed spectra, and comparison of the  $^3J$  coupling constants for cyclohexene and the products shown in Figure 1 (20 pages). Ordering information is given on any current masthead page.

**Molecular Recognition by Circular Oligonucleotides: Increasing the Selectivity of DNA Binding** [*J. Am. Chem. Soc.* **1991**, *113*, 6265–6266]. ERIC T. KOOL

Page 6265, ref 7: The correct concentration for oligomer and template is 50  $\mu\text{M}$  each.

**Models of the Cytochromes  $b$ . 8. Two-Dimensional Nuclear Overhauser and Exchange Spectroscopy Studies of Paramagnetic "Cavity" Type (Tetraphenylporphinato)iron(III) Complexes of Planar Ligands** [*J. Am. Chem. Soc.* **1991**, *113*, 8652–8657]. F. ANN WALKER\* and URSULA SIMONIS

Page 8653: The definition of acquisition time  $A_t$  in the last paragraph should read  $A_t = N/F$ , where  $N$  is the number of real data points and  $F$  is the spectral bandwidth. Thus, for the example quoted, in the  $t_2$  dimension, where  $N = 256$ ,  $A_t$  is 14 ms and the digital resolution in  $f_2$  ( $1/A_t$ ) is 70 Hz, whereas in the  $t_1$  dimension,  $A_t$  is 7 ms and the digital resolution in  $f_1$  is 141 Hz. The digital resolution in  $f_1$  was improved by zero-filling once before Fourier transformation.

## Book Reviews\*

**Neutron, X-Ray and Light Scattering: Introduction to an Investigative Tool for Colloidal and Polymeric Systems.** Edited by P. Lindner (Institut Laue-Langevin, Grenoble) and Th. Zemb (C. E. A. Saclay, France). North Holland: Amsterdam. 1991. viii + 376 pp. \$100.00. ISBN 0-444-88946-9.

This book contains the Proceedings of the European Workshop on Neutron, X-Ray and Light Scattering as an Investigative Tool for Colloidal and Polymeric Systems held in Bombannes, France, May 27–June 2, 1990. It consists of 17 papers organized under the following headings: I. Using General Principles; II. Solving Inverse Problems; III. Studying Surfaces and Interfaces; IV. Focussing on Large Scales; V. Investigating Non-Equilibrium Systems; VI. Using Light. At the end there is a dictionary of terms, an author index, and a subject index.

**Cell Signalling: Experimental Strategies.** Edited by Eric Reid (Guilford Academic Associates) and G. M. W. Cook and J. P. Luzio (University of Cambridge, U.K.). The Royal Society of Chemistry: Cambridge, U.K. xiv + 446 pp. £84.50. ISBN 0-85186-436-8.

This book contains the Proceedings of the Twelfth International Subcellular Methodology Forum entitled Cell Signalling Experimental Strategies, held in Guildford, U.K., September 4–7, 1990. There are 33 papers with discussions in typescript form organized under the following sections: A. The Signalling Scene, and Response Initiation; B. Cyto-

plasmic Transmission Systems, and Some Agonist Effects; C. Hormone Origination and Actions, Especially Insulin and Glucagon; D. Individual-Cell Studies, Especially on  $\text{Ca}^{2+}$ ; E. Fibrinolytic, Oncogenic, Junctional and Neural Phenomena; F. Location and Transit of Proteins (Besides 'PKC'). There is a subject index; affiliations of the authors are given at the headings of the papers.

**Organic Materials for Non-linear Optics II.** Edited by R. A. Hann (ICI Imagedata, Manningtree) and D. Bloor (University of Durham). The Royal Society of Chemistry: Cambridge, UK. 1991. £52.50. xii + 396 pp. ISBN 0-85136-397-3.

This book contains the proceedings of the conference on Organic Materials for Non-linear Optics held in Oxford, September 4–6, 1990. It consists of an Introduction by Bloor and 45 papers in typescript form organized under the following headings: Theory; Small Organic Molecules; Metal-organic Compounds; Polymers; Devices. Affiliations of authors are given at the headings of each paper. There is a subject index.

**Enzymes in Industry—Productions and Applications.** Edited by Wolfgang Gerhartz (Ullmann's Encyclopedia of Industrial Chemistry). VCH Publishers: New York. 1990. xvii + 321 pp. \$95.00 (hardback). ISBN 0-89573-937-2.

In the course of just under 300 pages of text, various experts contribute short reviews of important topics concerning enzyme production and use. This is accomplished in an encyclopedic approach that will no doubt be found to be inadequate by researchers working in any of the many spe-

\*Unsigned book reviews are by the Book Review Editor.