

Additions and Corrections

Coordination Chemistry of Microbial Iron Transport. 42. Structural and Spectroscopic Characterization of Diastereomeric Cr(III) and Co(III) Complexes of Desferriferriothiocin [*J. Am. Chem. Soc.* **1990**, *112*, 1854–1860]. F. EKKEHARDT HAHN, THOMAS J. MCMURRY, ALAIN HUGI, and KENNETH N. RAYMOND*

The positional and thermal parameters for compound **3** given in the supplementary material were incorrect. Corrected coordinates are given in this supplementary material

We also note two serious labeling errors in the paper. The A and C isomer designations are reversed in Figure 6 and in the sketch on p 1859.

Supplementary Material Available: Copies of the correct positional and thermal coordinates (2 pages). Ordering information is given on any current masthead page.

Novel Pentacoordinate Anionic Silicate, [*o*-C₆H₄(SiPhF₂)₂F]⁻, K⁺-18-Crown-6, Containing a Bent Fluoride Bridge between Two Silicon Atoms [*J. Am. Chem. Soc.* **1990**, *112*, 2422–2424]. KOHEI TAMAO,* TAKASHI HAYASHI, YOSHIHIKO ITO,* and MOTOO SHIRO

The supplementary material described below was not included in the microfiche for the March 14 issue.

Supplementary Material Available: Synthesis, physical constants, and spectral and analytical data on compounds **1**, **3**, and **4**, ¹H, ¹³C, ¹⁹F, and ²⁹Si NMR spectra at room temperature and temperature-dependent ¹⁹F NMR spectra of **1**, and tables of crystallographic data, atomic coordinates, bond lengths and angles, and anisotropic thermal parameters for **1** (14 pages). Ordering information is given on any current masthead page.

LabSolutions [*J. Am. Chem. Soc.* **1990**, *112*, 2844]. LOUIS G. DAIGNAULT and RANDY SHAVER

The vendor address should be as follows: The Center for Science Support, Inc., PO Box 2725, Cambridge, MA 02238.

Book Reviews

Reactions of Coordinated Ligands: Volume 2. Edited by Paul S. Braterman (University of North Texas). Plenum: New York and London. 1989. viii + 414 pp. \$95.00. ISBN 0-306-43094-0.

This is the second and final volume of *Reactions of Coordinated Ligands*. Whereas the first volume, published in 1986, covered organic groups or molecules coordinated to metal centers, this volume considers ligands bound through non-carbon atoms, with the exception of CO₂, which can be bound by carbon as well as oxygen. This volume is considerably shorter than the first, which contained 1052 pages. The book contains five chapters, each of which concentrates on a particular ligand or type of ligand: 1, Reactions of Coordinated Carbon Dioxide, by J. D. Miller; 2, Reactions of Coordinated Dinitrogen and Related Species, by M. Hidai and Y. Mizobe; 3, Reactions of Nitrosyls, by Frank Bottomley; 4, Hydrolysis and Condensation Reactions of O- and N-Bound Ligands, by Robert W. Hay; 5, Reactions of Coordinated Phosphorus and Sulfur Ligands, by D. M. A. Minahan, W. E. Hill, and C. A. McAuliffe.

As can be seen from the above table of contents, the book covers a broad spectrum of interests and is not the type that will be read in its entirety by most individual researchers working in one of the several fields covered by the book. However, it will be a valuable reference source for anyone in the general area of coordinated ligands. Since the book covers

so much material in a limited amount of space, it does not lend itself to rapid reading. Also, the fact that the book consists of directly produced double-spaced word-processed manuscripts does not enhance the readability. The number of typographical errors is not excessive, although perhaps more frequent than usual. The most common error was to omit the Greek letters, which were written in by hand. This error was even made in the Preface.

The first chapter, on coordinated CO₂, is one of the shortest chapters with 52 pages. After an introduction covering CO₂ in nature, the properties of CO₂ are outlined followed by a discussion of the structures of CO₂ complexes. Finally, the reactions of coordinated CO₂ are reviewed. These reactions are divided in those where discrete CO₂-containing species are observed and those where such species are believed to be present but have not been observed. The reactions include oxidation, disproportionation, C–O bond cleavage and formation, formate complexes, *N,N*-dialkylcarbamates, and C–C bond forming reactions. There are 140 references. The most recent, except for one "in press" by the author, is 1983. There are certainly more current and comprehensive reviews available, but they would not suit this type of book. The chapter serves as a very readable introduction to the area.

The second chapter considers dinitrogen and related species. Initial