Additions and Corrections

Heavy-Atom Kinetic Isotope Effects and Mechanism of the Acid-Catalyzed *o*-Semidine and *p*-Semidine Rearrangements and Disproportionation of 4,4′-Dichlorohydrazobenzene [*J. Am. Chem. Soc.* **1986**, *108*, 1000–1006]. EUN-SOOK RHEE and HENRY J. SHINE*

Errors were made in calculations of some of the carbon KIE. The errors arose in the treatment of "del" data from measurements of $^{13}C/^{12}C$ ratios by isotope-ratio mass spectrometry, and with ^{13}C and ^{14}C data in rearrangements in which intra- and intermolecular competition took place. Details of the correct calculations are reported elsewhere,[1] and have given corrections for Tables II, III, IV, and VI of the publication.

Corrections for Table II, column V, entries 6–13: 0.9992, 1.0088, 1.0000 ± 0.0034, 0.9912 ± 0.0040, 0.9932 ± 0.0048, 1.0076 ± 0.0065, 1.0012 ± 0.0072, and 0.9948 ± 0.0107.

Corrections for Table III, column V, entries 8–10: 0.9913 ± 0.0039, 1.0117 ± 0.0114, 0.9936 ± 0.0126.

Corrections for Table IV, column V, entries 9–13: 0.9878, 0.9989, 1.0117 ± 0.0040, 0.9962 ± 0.0040, 1.0008 ± 0.0050. Carbon KIE were summarized in Table VI, the corrected version of which is given here.

Table VI

	KIE and basis		
reaction	2-^{14}C	4-^{14}C	4,4′-$^{13}C_2$
disproportionation	1.0012 ± 0.0081	0.9948 ± 0.0040	1.0040 ± 0.0048
o-semidine rearr	0.9989 ± 0.0093	1.0027 ± 0.0042	0.9993 ± 0.0009
p-semidine rearr		1.0029 ± 0.0043	0.9934 ± 0.0056

Corrections should be made also in the text, p 1004, column 1: line 33, (0.9997) should read (0.9989); line 39, (0.9997) should read (0.9989); line 60, (1.0014) should read (1.0029); line 63, (0.9970) should read (0.9934).

These calculations do not affect the body of the work and the conclusions. On p 1002, column 2, line 16, the name *p*-anisidine should read *p*-semidine.

There is an error in one of the structures in Scheme I (p 1000), in which a double bond appears between the nitrogen atoms of 4,4′-diiodohydrazobenzene.

(1) Rhee, Eun Sook Jang Ph.D. Dissertation, Texas Tech University, May, 1986.

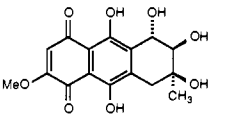
Inter- and Intramolecular Insertion of Rhenium into Carbon–Hydrogen Bonds [*J. Am. Chem. Soc.* **1986**, *108*, 4856]. TIMOTHY T. WENZEL and ROBERT G. BERGMAN*

Page 4862: The following corrections should be made in Table V. The *z* coordinate was incorrectly labeled "*x*", the Re2 *y* coordinate should be changed to 0.08087 (2), and the H(Re2) B value should be changed to 4.0. Also, the signs should be reversed (+ to − or − to +, as appropriate) for the following coordinates—*x*: P3, C1, C12, C17, *y*: P2, C6, *z*: C22.

Biosynthesis of the Kinamycin Antibiotics by *Streptomyces murayamaensis*. Determination of the Origin of Carbon, Hydrogen, and Oxygen Atoms by ^{13}C NMR Spectroscopy [*J. Am. Chem. Soc.* **1986**, *108*, 4625–4631]. YUKIHARU SATO and STEVEN J. GOULD*

Page 4629, column 1, last paragraph:

Altersolanol A,[38] **22**, also contains a tetrahydroxymethylcyclohexene ring, although with a different stereochemistry. Altersolanol B,[38] **23**, lacks the C-1 and C-4 hydroxy groups; its structure was confirmed by a correlation[39] with bostrycin.[40] A revision of the stereochemistry and tautomerization of the latter compound, based on a total synthesis,[41] provided the corrected structure **24**.



24

Page 4629, reference 43:

It was indicated[42] that [^{13}C]-**22** was incorporated into the related anthraquinone macrosporin where the C-ring has been aromatized with retention of hydroxyl only at C-3, and the overall pathway from an octaketide precursor is unusual.

Intramolecular Carbonyl Oxide–Ester Cycloaddition. Structure of a Novel Alkoxy Ozonide [*J. Am. Chem. Soc.* **1987**, *109*, 612–613]. WILLIAM H. BUNNELLE* and ELMER O. SCHLEMPER

We have recently become aware of an observation[1] of the intramolecular carbonyl oxide–ester cycloaddition which predates our report. We regret this oversight.

(1) Odinokov, V. N.; Kukovinets, O. S.; Khalilov, L. M.; Tolstikov, G. A.; Kosnikov, A. Y.; Lindeman, S. V.; Struchkov, Y. T. *Tetrahedron Lett.* **1985**, *26*, 5843.

Solvent and Free-Radical Effects on the ^{13}C NMR Spectra of Hydrocarbons [*J. Am. Chem. Soc.* **1987**, *109*, 1332]. JOSÉ LUIS M. ABBOUD,* ABBDELOUAHAD AUHMANI, HASSANE BITAR, MOHAMMED EL MOUHTADI, JAVIER MARTÍN, and MANUEL RICO*

Page 1338: In the title of Table VI, $\delta_{S,C_6H_{12}}\int^{C_i}_{C_6H_6}$ is to be replaced by $\delta_{S,C_6H_6}\int^{C_i}_{C_6H_6}$

Page 1340: Equation 7 should read:

$$\left(\int^{C_i}_{C_6H_{6(ext)}}\right)_S = \left(\int^{C_i}_{C_6H_6}\right)_S + \Delta_s \qquad (7)$$

The text remains unchanged.