## Additions and Corrections

Heavy-Atom Kinetic Isotope Effects in the Acid-Catalyzed Rearrangement of N -2-Naphthyl- $\mathrm{N}^{\prime}$-phenylhydrazine. Rearrangement Is Shown To Be a Concerted Process [J. Am. Chem. Soc. 1985, 107, 6674-6678; 1986, 108, 5041 (correction)]. Henry J. Shine,* Lidia Kupczyk-Subotkowska, and Witold Subotkowski

Two errors were made in the treatment of raw data in the calculations of carbon KIE. These errors were in the treatment of "del" values in the ${ }^{13} \mathrm{C}$ isotope-ratio data and in omitting intramolecular competition in the ${ }^{14} \mathrm{C}$ calculations. Retreatment of "del" data and calculating KIE on the (only available) basis that intra- and intermolecular KIE in the rearrangement of the title compound (1) are of equal magnitude give corrected results for the sought-after intermolecular KIE. The averaged results given in the abstract should be $1.0176 \pm 0.0003$ for one ${ }^{13} \mathrm{C}$ atom and $1.0287 \pm 0.0011$ for one ${ }^{14} \mathrm{C}$. These corrections should also appear in the Discussion section on p 6677: lines 20 and 21 ( $1.0287 \pm 0.0011$ ) and line $24(1.0176 \pm 0.0003)$. The ${ }^{13} \mathrm{C}$ KIE calculated from eq 7 should read (line 32, p 6677) 1.0150 as compared with the experimental result (line 32) 1.0176. The last five entries in column 6, Table II, should read, in descending order, $1.0252,1.0259,1.0281,1.0174,1.0162$. Similarly, the last five entries in column 7 should read $1.0284,1.0276,1.0302,1.0178$, 1.0173. The transition state for rearrangement of $\mathbf{1}$ thus, contrary to the earlier indication, is unlike that in the rearrangement of $2,2^{\prime}$-hydrazonaphthalene and more like that in the rearrangement of hydrazobenzene. (Typographical errors appeared in our earlier correction and are rectified here.)

Electron Affinities of Di- and Tetracyanoethylene and Cyanobenzenes Based on Measurements of Gas-Phase Electron-Transfer Equilibria [J. Am. Chem. Soc. 1986, 108, 5453]. Swapan Chowdhury and Paul Kebarle*

Page 5457, Table III: 1 st column, entry 6, 3,5-dimethylbenzonitrile should read 3,5-di(trifluoromethyl)benzonitrile; 1st column, entry 10, 4-methylbenzonitrile ${ }^{d}$ should read 4 -(trifluoromethyl)benzonitrile ${ }^{d}$; and 1st column, entry 12, 2methylbenzonitrile should read 2-(trifluoromethyl)benzonitrile.

An Approach toward the Complete FAB Analysis of Enzymic Digests of Peptides and Proteins [J. Am. Chem. Soc. 1986, 108 , 6359-6363]. S. Naylor, A. Frederick Findeis, Bradford W. Gibson, and Dudley H. Williams*

Page 6361, first column of text: Line 20 reads " HCl in 2propanol (at $37^{\circ} \mathrm{C}$ for ca. 24 h ). This should read (at $27^{\circ} \mathrm{C}$ for ca. 24 h).

Page 6362, first column of text: Line 27 reads "...a maximum index change of $\sim-1000$...". This should read ...a maximum index change of $\sim-2000$...".

Medicinal Chemistry: The Role of Organic Chemistry in Drug Research [J. Am. Chem. Soc. 1986, 108, 5378]. Marvin S. Hoekstra

This book is also available in paperback at $\$ 29.95$. (ISBN 0-12-589731-6).

Polyene Cyclization Strategy in the Stereospecific Synthesis of $B / C$-trans-Morphinan. A Total Synthesis of ( $\pm$ )- O-Methylpallidinine [J. Am. Chem. Soc. 1986, 108, 6746-6748]. Shinzo Kano,* Tsutomu Yokomatsu, Hajime Nemoto, and Shiroshi Shibuya

Page 6747: The structure of $\mathbf{1 2}$ was incorrectly drawn as


The proper structure is


Metal Atom Reactions with Methane. Boron, Aluminum, Gallium, and Indium Atoms and Dimers [J. Am. Chem. Soc. 1986, 108, 7103-7104]. GiHo Jeong and Kenneth J. Klabunde*

Page 7103, the sentence starting on the 15 th line from the bottom of the second column should read as follows: A partially filled $p$-shell appears to be very important so that a partially filled p-lobe can interact with the $\mathrm{C}-\mathrm{H} \sigma^{*}$ orbital. ${ }^{12}$

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[^0]:    Rotational Preference in "Cage" Dissociation-Recombinations: Thermal Automerization of Optically Active Methyl threo-2,3-Diphenylbutane-2-carboxylate [J. Am. Chem. Soc. 1986, 108, 7442]. W. von E. Doering* and Ludmila Birladeanu

    Table I: Row 1, column 2: " $-214.4^{\circ}$ " should read $-21.4^{\circ}$. Row 3, column 3: "DHAn; 11" should read DHAn; 1 .

