

## Additions and Corrections

---

**Catalysis by Metal Complexes. Volume 9. Catalytic Oxidations with Hydrogen Peroxide as Oxidant** [*J. Am. Chem. Soc.* **1993**, *115*, 11659]. REVIEWED BY CHADWICK A. TOLMAN.

Page 11659: The second quote in paragraph two should read as follows—"In general, it can be observed that possessing d<sup>10</sup> transition metals..."

**5-Endo Closure of the 2-Formylbenzoyl Radical** [*J. Am. Chem. Soc.* **1994**, *116*, 1718–1724]. G. DAVID MENDENHALL,\* JOHN D. PROTASIEWICZ, CARL E. BROWN, K. U. INGOLD, AND J. LUSZTYK\*

Page 1718: In the third paragraph we commented on "the virtual absence of qualitative and complete absence of quantitative data on radical cyclizations onto multiple-bonded, first-row heteroatoms, i.e., onto  $-N=O$  and  $-N=N-$  and onto the heteroatom of  $C=O$ ,  $C=N-$ , and  $-C\equiv N$ ." This comment is incorrect and misleading. We inadvertently omitted to mention Professor J. Warkentin's important quantitative kinetic studies of carbon-centered radical cyclizations onto the  $-N=N-$  group<sup>1,2</sup> and onto the nitrogen of  $C=N-$  groups.<sup>3,4</sup> We have also identified the following papers which deal with the cyclizations of carbon-centered radicals onto  $-N=N-$  groups<sup>5-9</sup> and onto the nitrogen atom of  $C=N-$  groups.<sup>10-13</sup> In addition, we wish to draw attention to the fact that the formation of 2-phenyltetrahydrofuran upon reaction of tin hydride with  $\gamma$ -chlorobutyrophenone (ref 24 in our paper) is not a 5-endo radical cyclization.<sup>14</sup>

We are extremely grateful to Professor Warkentin for reminding us of these publications and apologize to all their authors and to any readers of our own paper for our failure to quote such relevant work.

---

(1) Intramolecular Radical Additions to the Azo Group. Fast and Indiscriminate 5-Exo and 6-Endo Cyclizations. Beckwith, A. L. J.; Wang, S.; Warkentin, J. *J. Am. Chem. Soc.* **1987**, *109*, 5289–5291.

(2) Facile 5-endo ring closures to the azo group. A free radical synthesis of indazoles. Kunka, C. P. A.; Warkentin, J. *Can. J. Chem.* **1990**, *68*, 575–580.

(3) Rate Constants for Aryl Radical Cyclization to Aldimines: Synthesis of Tetrahydroisoquinolines by Fast 6-Endo Closures to Carbon. Tomaszewski, M. J.; Warkentin, J. *Tetrahedron Lett.* **1992**, *33*, 2123–2126.

(4) Chiral Induction in Aryl Radical Cyclization to the Aldimino Functional Group. Tomaszewski, M. J.; Warkentin, J. *J. Chem. Soc., Chem. Commun.* **1993**, 966–968.

(5) Benati, L.; Placucci, G.; Spagnolo, P.; Tundo, A.; Zanardi, G. *J. Chem. Soc., Perkin Trans. 1* **1977**, 1684–1687.

(6) Benati, L.; Montecchi, P. C. *J. Org. Chem.* **1981**, *46*, 4570–4573.

(7) Christl, M.; Henneberger, H.; Freund, S. *Chem. Ber.* **1988**, *121*, 1675–1679.

(8) Alberti, A.; Bedogni, N.; Benaglia, M.; Leardini, R.; Nanni, D.; Pedulli, G. F.; Tundo, A.; Zanardi, G. *J. Org. Chem.* **1992**, *57*, 607–613.

(9) Leardini, R.; Lucarini, M.; Nanni, D.; Pedulli, G. F.; Tundo, A.; Zanardi, G. *J. Org. Chem.* **1993**, *58*, 2419–2423.

(10) Tanner, D. D.; Rahimi, P. M. *J. Org. Chem.* **1979**, *44*, 1674–1677.

(11) Takano, S.; Suzuki, M.; Kijima, A.; Ogasawara, K. *Chem. Lett.* **1990**, 315–316.

(12) Tomaszewski, M. J.; Warkentin, J. *J. Chem. Soc., Chem. Commun.* **1993**, 1407–1408.

(13) Takano, S.; Suzuki, M.; Ogasawara, K. *Heterocycles* **1994**, *37*, 149–152.

(14) Maillard, B.; Gardrat, C.; Bourgeois, M.-J. *J. Organomet. Chem.* **1982**, *236*, 61–68.