

coupling across, *PCCC*,⁸ *POCC*,⁹ *POCH*,¹⁰ *CCCH*,¹¹ and *HCCN*¹² and for four-bond coupling across *HC-COP*.¹³⁻¹⁶ Preliminary measurements¹⁷ indicate that such relationships may exist for coupling across *CCCC* and *MCCC* where M is either lead or mercury.

Acknowledgment. This research was supported by the Australian Research Grants Committee and by the

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National Science Foundation under Grants GB28015, B028015-001, and GP29165X and by the National Cancer Institute of the National Institutes of Health under Grant CA 12462. We thank M. & T. Chemicals, Inc., for gifts of organotin compounds.

(18) Queen Elizabeth Research Fellow, 1973-1974.

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Received August 31, 1973

Additions and Corrections

Stable Carbocations. CXXX. Carbon-13 Nuclear Magnetic Resonance Study of Halocarbenium Ions. Degree of Halogen "Back-Donation" and Relative Stability of Halocarbenium Ions [*J. Amer. Chem. Soc.*, 94, 3551 (1972)]. By GEORGE A. OLAH,* Y. K. MO, and Y. HALPERN, Department of Chemistry, Case Western Reserve University, Cleveland, Ohio 44106.

The ¹³C nmr shift of the carbocation center in the dimethylfluorocarbenium ion [(CH₃)₂C⁺F] was reported, due to a computational error made using the indor method, as -142.7 (from CS₂). The correct value is -89.1 (as also shown by recent FT measurements).

Conformational Analysis. XXVI. Conformational Equilibria in 5,5-Disubstituted 1,3-Dioxanes [*J. Amer. Chem. Soc.*, 94, 8072 (1972)]. By ERNEST L. ELIEL* and RUDYARD M. ENANOZA, Department of Chemistry, University of Notre Dame, Notre Dame, Indiana 46556].

Professor Anteunis has informed us that Table I in ref 26, part 2 does not correspond to our Table II inasmuch as it refers to the equilibrium B ⇌ A, not A ⇌ B in Scheme II. Therefore the Δ*G*^o values for the last five entries in our Table II taken from ref 26 should read -0.19, -0.03, -0.32, -0.38, -0.17 kcal/mol, and the signs of Δ*G*^o in Table II do agree with those in Table III, entries 2, 5, 6, and 7. Moreover, in the case of 5-methyl-5-phenyl-1,3-dioxane the nmr method of ref 26 does lead to a clear choice as to which isomer predominates, based on the chemical shift of the 5-methyl group below the coalescence temperature.

We have also found that the infrared data reported on page 8076, Scheme III were subject to a calibration error; the correct frequencies are 27, 3435 cm⁻¹; 28, 3450, 3434 cm⁻¹. We are not sure whether the NH absorption in 27 indicates intramolecular H bonding;

rather the double absorption in 28 may be due to cis-trans isomerism of the amide. Configurational assignments are not affected by this uncertainty since they rest on the dipole determination of 19. We thank Dr. W. F. Bailey for experimental assistance and Dr. Jan Stanek (Prague, Czechoslovakia) for helpful correspondence.

Excited State Carbonyl Species from the Thermal Decomposition of 3,3-Dibenzyl-1,2-dioxetane [*J. Amer. Chem. Soc.*, 94, 9277 (1972)]. By WILLIAM H. RICHARDSON,* FREDERICK C. MONTGOMERY, and MARY B. YELVINGTON, Department of Chemistry, California State University, San Diego, San Diego, California 92115.

Figure 1, line 4 should read "bibenzyl" rather than "dibenzyl ketone."

Hydrolysis of Imidate Esters Derived from Weakly Basic Amines. Influences of Structure and pH on the Partitioning of Tetrahedral Intermediates [*J. Amer. Chem. Soc.*, 95, 1253 (1973)]. By TADASHI OKUYAMA, TERRY C. PLETCHER, DAVID J. SAHN, and GASTON L. SCHMIR,* Department of Molecular Biophysics and Biochemistry, Yale University School of Medicine, New Haven, Connecticut 06510.

In Table I, the heading of column 5 should read 10⁻⁷*k*₇; the heading of column 7 should read 10⁻⁴·(*k*₃/*K*_a). The uppermost line in Figure 6 should be labeled 10⁻⁵*k*₇.

Stable Carbocations. CXLII. 1-Acenaphthenium Ions [*J. Amer. Chem. Soc.*, 95, 3698 (1973)]. By GEORGE A. OLAH,* GAO LIANG, and PHILIP WESTERMAN, Department of Chemistry, Case Western Reserve University, Cleveland Ohio 44106.