

# Additions and Corrections

Vol. 28, 1963

**Robert L. Augustine:** Catalytic Hydrogenation of  $\alpha,\beta$ -Unsaturated Ketones. III. The Effect of Quantity and Type of Catalysts.

Page 153. Column 1, last paragraph, third line. "... adsorption is very slight with the *trans* adsorption..." should read "... adsorption is very slight with the *cis* adsorption..."

**Jack Tadanier:** Preparation and Solvolysis of 6 $\beta$ ,19-Oxido-17-ethylenedioxy-3 $\alpha$ ,5 $\alpha$ -cycloandrostandane.

Page 1746. In Table I, part A, C<sub>19</sub>-Oxygenated 3 $\alpha$ ,5 $\alpha$ -cyclosteroids. II<sup>a</sup> should be replaced by I<sup>a</sup> in column 1.

This misprint, which erroneously indicated a large solvent dependency of the geminal coupling constant of the C<sub>19</sub>-methylene protons of 3 $\beta$ ,19-dihydroxyandrost-5-en-17-one (II) was brought to our attention by the article entitled "Geminal Coupling Constants in Methylene Groups," by R. C. Cookson, T. A. Crabb, J. J. Frankel, and J. Hudec which appeared in *Tetrahedron, Suppl. No. 7*, 335 (1966).

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**A. G. Pinkus and L. Y. C. Meng:** Reaction of 5-Chloro-2-hydroxybenzophenone and Phosphorus Pentachloride. Structural Studies.

Page 1038. The first paragraph following the abstract beginning "VI reacts with..." and ending "...under various conditions attempted..." should be included as part of the abstract.

Page 1040. Second paragraph, last line. Xb should replace XB.

**Peter Kovacic and Michael E. Kurz:** Reactions of *t*-Butylperoxy Isopropyl Carbonate with Aromatic Compounds under Friedel-Crafts Conditions.

Page 2465. First column, B-4. 5-Chlororesorcinol Dimethyl Ether should refer to the following footnote: We are grateful to Professor Lester Friedman and Mr. Paul P. Caruso for this procedure.

**Peter Kovacic, Vincent J. Marchionna, Fred W. Koch, and James Oziomek:** Synthesis and Properties of *p*-Polyphenyl Derivatives.

Page 2469. Table I. Replace the "Source" column with the following: The derivative was prepared according to the first procedure in the corresponding portion of the Experimental Section, except for the third entry (see procedure 2 for chlorination).

**R. Garrett and D. G. Kubler:** Acetal Formation for Cyclic Ketones.

Page 2666. Table I. The heading in the table as "Absorbance,  $\lambda$  (m $\mu$ )" should read "Absorbance,  $A$ ." In the "25°" column under absorbance, the 11th, 12th, and 13th items in this column were inadvertently given as molarities instead of absorbances. The given values are, in order, 0.497, 0.204, 0.071. These should read, in order, 0.251, 0.103, and 0.036.

**Kaoru Harada and Kazuo Matsumoto:** Stereoselective Synthesis of Optically Active Aspartic Acid from Derivatives of Fumaric Acid and Maleic Acid.

Page 2990. Scheme V. Fumarate (C) is incorrectly shown to be in equilibrium with the maleimide derivative. The equilibrium arrows should be between the fumarate (C) and maleate (B).

**D. C. Berndt and R. L. Fuller:** The Kinetics and Mechanism of the Hydrolysis of Benzohydroxamic Acid.

Page 3314. Equation 6, top of page, should read

$$k_{\text{obsd}} = k_1 K_1 [\text{H}_3\text{O}^+]$$

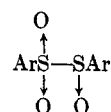
The hydronium ion concentration factor was omitted from the article.

**Erach R. Talaty and Glen A. Russell:** Application of Electron Spin Resonance Spectroscopy to Problems of Structure and Conformation. VIII. Semidiones Derived from 9-Methyl-decalones and 10-Methyl Steroidal Ketones. Assignment of Structure to A-Ring Steroidal Ketones.

Page 3455. Last word of the abstract should be dihydrolanosterone

**John L. Kice and Giancarlo Guaraldi:** Mechanisms of Substitution Reactions at Sulfinyl Sulfur Solvolysis of Aryl Sulfinyl Sulfones in Acetic Acid-Water.

Page 3568. In eq 1, the second formula should be



Page 3569. In Table I, the last two footnotes should read as follows: <sup>b</sup> Measured by following the solvolysis of compound II directly. <sup>c</sup> Too fast to measure.

**N. L. Weinberg and E. A. Brown:** The Anodic Oxidation of Organic Compounds. I. The Electrochemical Methoxylation of 2,6-Dimethoxypyridine and N-Methylpyrrole.

Page 4055. Compound XI, 2-hydroxyazaquinone, should be the dimer 4,5,4',5'-tetrahydroxy-3,3'-diazadiphenone-(2,2'). Our structural assignment was based on the work of Boyer and Kruger (ref 6), but their product has been recently shown to be the dimer XI by Kuhn, Bauer, and Knackmuss (*Chem. Ber.*, 98, 2139 (1965)). I am indebted to Dr. Knackmuss for pointing out this error to us. Hydrolysis of 4,4-dimethoxyglutaconimide (IX) in 10% aqueous hydrochloric acid at 25° gave a 90% yield of XI,  $\lambda_{\text{max}}^{\text{DMF}}$  645 m $\mu$  (log  $\epsilon$  4.07). *Anal.* Calcd for C<sub>10</sub>H<sub>8</sub>N<sub>2</sub>O<sub>6</sub>: C, 48.01; H, 2.42; N, 11.20. Found: C, 47.65; H, 2.38; N, 11.24.

**Marvin L. Poutsma:** Chlorination of Unsaturated Materials in Nonpolar Media. VII. Butadiene: a Reevaluation.

Page 4168. Figure 1. the numerical labels were omitted. The label "Mole fraction of butadiene" should go from 0 to 1.0 in units of 0.2 and the label "II/(I + II)  $\times$  100" should go from 45 to 80 in units of 5.

**Paul R. Jones, Ronald J. Panizzi, Ronald M. Stimson, and Louis Port:** A Monofunctional *ansa* Lactone

Page 4278. Column 2, line 23. 5.50 ppm should be replaced with 4.7 ppm.

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**David W. Emerson, Arthur P. Craig, and Irvin W. Potts, Jr.:** The Pyrolysis of Unsymmetrical Dialkyl Sulfoxides. Rates of Alkene Formation and Composition of the Gaseous Products.

Page 103. Left-hand column of Table I, lines 11, 22, and 33. The offending item in each case is the word "2-Cyclobutene" which should read "*cis*-2-Butene."

**Kikumasa Sato, Shigeru Suzuki, and Yasuhiko Kojima:** A New Synthesis of 3-Methylcyclopent-2-en-2-ol-1-one.

Page 340. Third paragraph, second line. (III) should be (II).

**Robert T. Parfitt, Mikio Takeda, and Hiroshi Kugita:** A New Rearrangement Product in the 6,7-Benzomorphan Series.

Page 421. Column 2, bottom diagram. The curved arrows should have single hooks, implying single-electron shifts, rather than the double hooks as printed.

**W. S. Johnson and K. E. Harding:** Olefinic Cyclizations. IX. Further Observations on the Butenylcyclohexenol System.

Page 479. At the end of the paper, add "Acknowledgment.—We thank the U. S. Public Health Service, the National Science Foundation, and the donors of the Petroleum Research Fund, administered by the American Chemical Society, for support of this research."

**P. Laur, H. Häuser, J. E. Gurst, and K. Mislow:** Optical Rotatory Dispersion of Some Cyclic Sulfides.

Pages 498-499. The configurational designation of (–)-*trans*-2-thiahydrindan, corresponding to stereoformula 1, should be (8*S*,9*S*) not (8*R*,9*R*). This change in no way affects the discussion and conclusions presented in our paper.

**D. J. Pasto, K. Garves, and M. P. Serve:** The Mechanism of Solvolysis of Phenacyl Halides in Various Solvents.