ADDITIONS AND CORRECTIONS

1947, VOL. 69

John E. Kilpatrick, Kenneth S. Pitzer and Ralph Spitzer. The Thermodynamics and Molecular Structure of Cyclopentane.

Pages 2486–7. In the statistical calculations of this paper we failed to introduce a symmetry number factor of 2 for the identity of the two sides of the ring of the cyclopentane molecule. The peculiarly indefinite type of puckering of that molecule confuses the situation but we have now analyzed the problem in detail and find the additional factor to be required. Since the puckering parameter q_0 was determined to fit the entropy, the net effect of this change is to double q_0 and to leave all other numerical values unchanged. The new value of q_0 is 0.472 Å.—K. S. PITZER.

1952, VOL. 74

J. B. Wright and E. H. Lincoln. Mannich Bases Derived from α-Phenoxyacetophenones.

Page 6302. Col. 1, line 19 ff.: **Preparation of α-Phenoxyacrylophenone.**—The glassy solid on trituration with hot anhydrous ethanol solidified. Recrystallization from anhydrous ethanol gave colorless prisms melting at 99.5–101.5°.—JOHN B. WRIGHT.

1953, VOL. 75

A. F. McKay and W. G. Hatton. N-β-Nitraminoethyl-N′-methyl-N″-nitroguanidine.

Page 965. In col. 2, line 3 and lines 4–5, "1-nitro-2-nitramino-2-imidazolinium chloride" should read "1-nitro-2-methylamino-2-imidazolinium chloride."—A. F. MCKAY.

Frank R. Mayo. Chain Transfer in the Polymerization of Styrene. VIII.

Page 6136. In eq. (2) for "10" read "10^5."

Nelson J. Leonard, James W. Curry and John J. Sagura. Rearrangement of α-Aminoketones during Clemmensen Reduction. XI. The Reduction of Atom-bridged Bicyclic α-Aminoketones.

Page 6250. In col. 2, line 44, the melting point of diethyl pyridinium-1,4-diacetate bromide should read "154.5–156° (dec.)."—NELSON J. LEONARD.

1954, VOL. 76

Frank R. Mayo. Free Radical Addition and Transfer Reactions of Hydrogen Chloride with Unsaturated Compounds.

Page 5392. In col. 1, line 5 after eq. (2), for "these" read "three."

1955, VOL. 77

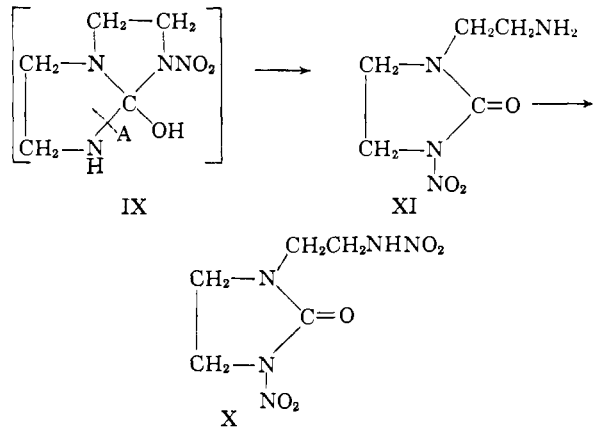
R. H. Sherman and W. F. Giauque. Arsine Vapor Pressure, Heat Capacity, Heats of Transition, Fusion and Vaporization. The Entropy from Calorimetric and from Molecular Data.

Page 2158. In col. 1, line 20, for "9.43935" read "9.45935." The error is typographical and no other changes are required.—W. F. GIAUQUE.

1956, VOL. 78

A. F. McKay and J. R. Gilpin. A New Molecular Rearrangement Involving Carbonium Ions.

Page 487. The relationships of formulas IX, X and XI should be:



Col. 1, text line 5 from the end should read "at A gives XI." Footnote (13a) should read "1-(β-Aminoethyl)-3-nitro-2-imidazolidone nitrate was synthesized and its picrate was found to be identical with the picrate of Compound B." Footnote (13b), line 6, should read "observed that XI nitrate on reflux-."—A. F. MCKAY.

Frank R. Mayo and A. A. Miller. Oxidation of Unsaturated Compounds. II.

Page 1033. In Fig. 2, the concentrations of benzaldehyde should be stated as tenths of a mole per liter.—FRANK R. MAYO.

Richard G. Ham, Robert E. Eakin, Charles G. Skinner and William Shive. Inhibition of Regeneration in Hydra by Certain New 6-(Substituted)-aminopurines.

Page 2648. Certain of the m.p. reported in Table I were determined on a faulty block and should read: Phenylpropyl- 189–190°; Phenylbutyl- 161–164°; Phenylpentyl- 174–176°; Phenylheptyl- 129–134°.—C. G. SKINNER.

William G. Dauben and Gerhard J. Fonken. Reactions of B-Norcholesterol.

Page 4739. In col. 2, text line 9 from the end, for "Δ^4-olefinic" read "Δ^5-olefinic."

Charles G. Skinner, William Shive, Richard G. Ham, David C. Fitzgerald, Jr., and Robert E. Eakin. Effects of Some 6-(Substituted)-purines on Regeneration of Hydra.

Page 5098. Several of the m.p. reported in Table I and II for some (6-(substituted)-purines were determined on a faulty block, and the corrected m.p. are recorded: Ethylthio- 195–196°; Propylthio- 176–177°; Butylthio- 144–145°; Pentylthio- 110–111°; Benzylthio- 190–192°; Pentylamino- 175–177°; Dipropylamino- 156–159°; Dibutylamino- 123–124°; Methoxypropylamino- 177–179°; Dimethylaminopropylamino- 165–169°; Diethylaminopropylamino- 155–157°; α-Naphthylethylamino- 231–234°.—C. G. SKINNER.

O. Wintersteiner and M. Moore. Jervine. X. Quaternary Dihydrometoxazine Salts as Intermediates in the Jervisine Rearrangement.

Page 6194. In Formula XIII the methyl group shown on the oxygen atom of the tetrahydrometoxazine ring should be placed on the adjacent CH as in Formula X.

1957, VOL. 79

J. S. Waugh and R. W. Fessenden. Nuclear Resonance Spectra of Hydrocarbons: the Free Electron Model.

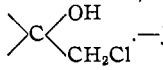
Page 847. In col. 1, in the formula for B_0, read "$1/2\pi\rho^{1/2}$" instead of "$^1/_{2\pi\rho^{1/2}}$." The subsequent calculations of chemical shifts arising from circulation of electrons in a single ring result in values which are too low by a factor of $10/4\pi$,

i.e., by 20%. To correct this error: seven lines below the B_0 formula read $\delta_{arom} = +2.7 \times 10^{-6}$; in the second line from the bottom read +3.7 p.p.m.; in the first full paragraph of col. 2, line 7, read "separated by about 1.2 A." The empirical adjustment made in col. 2 and corrected above considerably reduces the effect of the 20% error on all further calculations. The rest of the calculations are affected only very slightly, and the conclusions not at all.—JOHN S. WAUGH.

C. J. Pedersen. Preparation of N,N′-Disubstituted *p*-Quinonediimine-N,N′-dioxides.

Pages 2295 ff. The data on and references to N,N′-dimethyl-*p*-quinonediimine-N,N′-dioxide, except in Table IV, should be disregarded, since the sample which was taken to be this compound was found, on further examination, to be N-methyl-*p*-nitroaniline contaminated with a small amount of a yellow photosensitive substance.—CHARLES J. PEDERSEN.

James G. Traynham and O. S. Pascual. Effects of Ring Size on the Reactions of Cyclic Olefins: Halohydrins from Methylenecycloalkanes.

Page 2342. In Table I, col. headings, the second formula should read  .—JAMES G. TRAYNHAM.

Nelson J. Leonard, John C. Little and A. Jerry Kresge. The Structure of Chloretyl, the Product of the Reaction between Chloral and Biacetyl.

Page 2643. In the legend of Fig. 1, line 2, read "reference (÷ 30 for parts per million). . ."—NELSON J. LEONARD.

Glen A. Russell. Deuterium-isotope Effects in the Autoxidation of Aralkyl Hydrocarbons. Mechanism of the Interaction of Peroxy Radicals.

Page 3871. In col. 2, line 8 from bottom; for $2k_de[AIBN]^{1/2}$ read $2k_de[AIBN]$.

Page 3872. In footnote 3, line 16, for $k_d = 1.78 \times 10^{15} \exp(-31{,}300/RT)$ read $k_d = 0.89 \times 10^{15} \exp(-31{,}300/RT)$ and in lines 25–26 for $k_d = 4.9 \times 10^{15} \exp(-31{,}200/RT)$ read $k_d = 2.45 \times 10^{15} \exp(-31{,}200/RT)$.—GLEN A. RUSSELL.

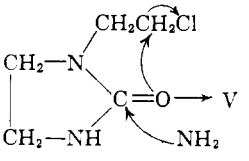
Arthur C. Cope, Norman A. LeBel, Hiok-Huang Lee and William R. Moore. Amine Oxides. III. Selective Formation of Olefins from Unsymmetrical Amine Oxides and Quaternary Ammonium Hydroxides.

Page 4725. In Table III the figures in the last line of columns 2, 3, 4 and 5 should be 10.5×10^8, 7.0×10^8, 3.9×10^6 and 2.6×10^6, respectively.

Martin J. Weiss and Maurice D. O'Donoghue. Synthesis of Certain 3-Hydroxy-3-phenylpropylsulfonium Salts. Sulfonium Analogs of Artane (Trihexyphenidyl) and Pathilon (Tridihexethyl Iodide).

Page 4771. Add at the end of the first paragraph: "Two Artane type analogs, (3-cyclohexyl-3-hydroxy-3-phenylpropyl)-diethylsulfonium iodide and (3,3-diphenyl-3-hydroxypropyl)-dimethylsulfonium iodide—entries 1 and 9 in Table II—have been reported previously by Protiva and Exner [*Chem. Listy*, **47**, 736 (1953); *Coll. Czech. Chem. Comm.*, 19, 615 (1954)].—MARTIN J. WEISS.

A. F. McKay, G. Y. Paris and M.-E. Kreling. A New Molecular Rearrangement. III. Aminolysis of 1-(β-Chloroethyl)-2-imidazolidone.

Page 5277. The structure indicating the over-all concerted mechanism for the formation of V should appear as 

In Col. 2, line 4 of Experimental section and page 5278, col. 2, line 13, superscript 2 should be superscript "1."—A. F. MCKAY.

H. K. Hall, Jr. Steric Effects on the Base Strengths of Cyclic Amines.

Page 5447. In col. 1, between lines 4 and 3 from the end, add: "This methylation was performed much more satisfactorily using formaldehyde and formic acid.[16] In this way a 93.6% yield of pure 1,2,2,6,6-pentamethylpiperidine, b.p. 187.0–187.5°, $n^{25}D$ 1.4585, was obtained on a 200-g. scale, the distillation being performed in a spinning band column. The infrared spectra of the two preparations were practically identical.—H. K. HALL, JR.

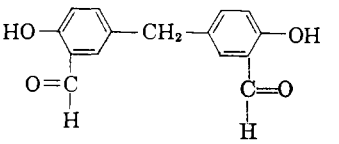
William D. Schaeffer, W. S. Dorsey, Davis A. Skinner and C. G. Christian. Separation of Xylenes, Cymenes, Methylnaphthalenes and Other Isomers by Clathration with Inorganic Complexes.

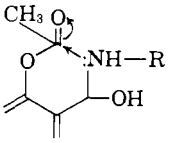
Page 5870 ff. We regret that no mention was made of an earlier report by J. Leicester and J. K. Bradley (*Chemistry and Industry*, 1449 (1955)) describing complexes, probably clathrates, of biphenyl and 4-aminobiphenyl with monoammino nickel cyanide, $Ni(CN)_2 \cdot NH_3$.—WILLIAM D. SCHAEFFER.

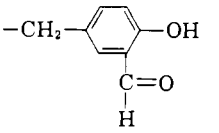
Sidney I. Miller and Peter K. Yonan. The Displacement Reaction of Haloalkenes with Iodide Ion. A Survey of Reactivity and Mechanism.

Page 5935. In Table V, col. 4, for "1.33 ± 0.9" read "13.3 ± 0.9.—SIDNEY I. MILLER.

C. S. Marvel and N. Tarköy. Heat Stability Studies on Chelates from Schiff Bases of Salicylaldehyde Derivatives.

Page 6000. In col. 1, Formula II should be 

In col. 2, the left middle part formula should be 

Page 6001. The extreme right part of formula III should be 

Nelson J. Leonard and Ronald R. Sauers. Unsaturated Amines. XI. The Course of Formic Acid Reduction of Enamines.

Page 6212. In col. 2, under "With Formic-*d* Acid-*d*," line 10, for "(10 mm.)" read "(19 mm.)."—NELSON J. LEONARD.

Stanley Ulick and Seymour Lieberman. Evidence for the Occurrence of a Metabolite of Aldosterone in Urine.

Page 6568. In col. 1, text line 7, for "axial" read "equatorial."—SEYMOUR LIEBERMAN.

1958, VOL. 80

Leo V. Dvorken, R. Bruce Smyth and Kurt Mislow. Stereochemistry of the 1,2,3,4-Dibenz-1,3-cycloöctadiene System.