ADDITIONS AND CORRECTIONS

1951, Vol. 73

William A. Bonner. The Acid Catalyzed Anomerization of the D-Glucose Pentaacetates. A Kinetic, Thermodynamic and Mechanistic Study.

Page 2660. Equation (3) should be corrected to read:

$$k_1 + k_2 = \frac{1}{[\mathrm{H_2SO_4}]} \times \frac{2.303}{t} \times \log \frac{r_0 - r_\infty}{r_t - r_\infty} \quad (3)$$

William A. Bonner.

William A. Bonner. The Stereochemical Configurations of the 1-C-Phenyl-D-pentitols.

Page 3130. In col. 1, lines 5 and 8, "2,3;4,5-diisopropylidene-D-mannitol" should read "3,4;5,6-diisopropylidene-D-mannitol."—William A. Bonner.

1955, Vol. 77

Ernest L. Eliel and Conrad Pillar. The Conformation of a Six-membered Ring *cis*-1,2 Fused to a Five-membered Ring.

Page 3602. We wish to withdraw the tentative suggestion, based on infrared spectrum, that compound V has *endo* hydroxyl groups. New measurements by Dr. E. W. Della indicate that, whereas the compound does, indeed, have a one or two bands due to bonded OH shifted about 200 cm.$^{-1}$ with respect to the band due to unbonded OH, this arises from *inter*molecular bonding. At very high dilution (5×10^{-4} *M*), the pertinent bands disappear (measurement in 10-cm. quartz cell).—E. L. Eliel.

1958, Vol. 80

B. C. McKusick, R. E. Heckert, T. L. Cairns, D. D. Coffman and H. F. Mower. Cyano-carbon Chemistry. VI. Tricyanovinylamines.

Page 2809. Col. 1, line 40, should read "N-2-benzoxyethyl-N-methylaniline, b.p. 184–186° (3 mm.).—B. C. McKusick.

1959, Vol. 81

M. L. Wolfrom and Z. Yosizawa. Synthesis of 2-Amino-2-deoxy-L-arabinose (L-Arabinosamine).

Page 3477. In col. 2, Experimental, heading, insert "1-thio-" before "β-".—M. L. Wolfrom.

1960, Vol. 82

E. L. Wittbecker, H. K. Hall, Jr., and T. W. Campbell. Synthesis and Polymerization of Bridged Bicyclic Ethers.

Page 1221. In col. 2, text line 14 from the end, for '<99.9%" read "*ca.* 99.9%."—H. K. Hall, Jr.

Edward L. King. The Kinetics and Mechanism of the Reaction of Cerium(IV) and Chromium(IV).

Page 3807. In col. 2 are given values of the product $k[\mathrm{HSO_4}^-]^2$. The numbers given are 10^2-fold too large. Table III, from which the values are derived, is correct.—Edward L. King.

1961, Vol. 83

R. M. Keefer and L. J. Andrews. Acetic Acid as an Inhibitor in Trifluoroacetic Acid-catalyzed Aromatic Halogenations and Halogen Addition Reactions.

Page 379. In Table I, in the column headed "10^3k_0," the last four entries under the heading "Chlorine and crotonic Acid," should be "0.28, 0.089, 0.48 and 0.018." The last four entries in this same column, under the heading "Chlorine and cinnamic acid," should read "3.9, 1.5, 9.9^a, and 0.34."—R. M. Keefer.

N. L. Allinger and H. M. Blatter. Conformational Analysis. XVI. The Energy of the Boat Form of Cyclohexanone. Direct Measurements of the 2-Alkyl Ketone Effects.

Page 994. In Table I, line 7 of the data, the temperature "90.3°" should read "80.3°."—N. L. Allinger.

William A. Bonner. Relative Inversion and C-1 Acetoxy Exchange Rates During Anomerization of Acetylated 2-Deoxy-D-glucose. The Ionic Mechanism.

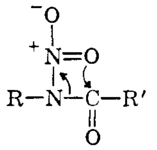
Page 963. Equation (7) should read:

$$k\beta^*/k\beta = 1 + K_e k\beta^*/k\alpha^* \quad (7)$$

William A. Bonner.

Emil H. White and Daniel W. Grisley, Jr. The Preparation and Decomposition of Certain N-Nitroamides and N-Nitrocarbamates.

Page 1191. The very first formula on the page (I) should be



Page 1192. The first and second lines should read: "*sec*-butyl 3,5-dinitrobenzoate" instead of "*sec*-butyl 3,5-dinitrobenzamide."—E. H. White.

H. M. Walborsky, L. Barash, A. E. Young, and F. J. Impastato. Cyclopropanes. IX. The Relative and Absolute Configurations of 1-Substituted 2,2-Diphenylcyclopropanecarboxylic Acids.

Page 2524. In column 1, line 25, for optically pure (−)-II read optically pure (+)-II. The O.R.D. data given in the experimental section for 1-methyl-2,2-diphenylcyclopropanecarboxaldehyde and 1-bromo-2,2-diphenylcyclopropanecarboxaldehyde are for the enantiomers opposite to that described in the preparation of these aldehydes.—H. M. Walborsky.

Kurt Mislow and M. A. W. Glass. A Model for Angle Strain Calculations. Optically Active Symmetrically Bridged Biphenyls.

Page 2781. The n.m.r. data for Ia–Ic in the aliphatic region should be corrected to read

Ia: τ 5.45 and 5.82; $J \sim 11.5$ c./s.
Ib: τ 6.62 and 6.71; $J \sim 13$ c./s.
Ic: τ 5.53 and 5.90; $J \sim 11.5$ c./s.
τ' 6.47 and 6.66; $J' \sim 12.5$ c./s.

These values were obtained on a Varian A-60 spectrometer and refer to 10 w./v. solutions in deuteriochloroform with internal tetramethylsilane.—Kurt Mislow.

David Shapiro and H. M. Flowers. Synthetic Studies on Sphingolipids. VI. The Total Syntheses of Cerasine and Phrenosine.

Page 3332. In col. 2, line 2, for "1.88°" read "−1.88°." In line 2 from the end, for "42°" read "+2°."—David Shapiro.

Norman L. Allinger and Margaret A. DaRooge. The Conformation of the Acetyl Side Chain of Pregnan-20-one.

Page 4258. In col. 1, line 23, for Δ^2-22α,25α,5α-Spirostane read 22α,25α,5α-Spirostane.

Page 4258. In col. 1, line 42, for m.p. 115–115.5° (reported[19] m.p. 115°) read m.p. 131.5–133° (reported[19] m.p. 129–131° to 134–136°) and 10 mg. of an unidentified material, m.p. 115–116.5°.

(19) (a) R. E. Marker and E. J. Lawson, *J. Am. Chem. Soc.*, 61, 852 (1939); (b) J. Romo, M. Romero, C. Djerassi and G. Rosenkranz, *ibid.*, **73,** 1528 (1951).—N. L. Allinger.

K. E. Van Holde and S. F. Sun. Bovine Serum Albumin in Water-Dioxane Mixtures.

Page 4588. At the end of col. 1, omit "D" before "(3)." In ref. 3 the first name should be "W. D. Kumler." In col. 2, the angle between the carboxyl groups should be "144°"

instead of "154°" in the caption of Fig. 4 and in line 5 from the end.—W. D. KUMLER.

Calvin M. Lee and W. D. Kumler. The Dipole Moment and Structure of Five and Six Membered Lactams.

Page 4594. In col. 1, line 2, for "stabilized" read "destabilized." Line 4, omit "However" and for "raise" read "lower." Line 7, omit "Evidently the affects cancel."—W. D. KUMLER.

Calvin M. Lee and W. D. Kumler. The Dipole Moment and Structure of the Carbamate Group.

Page 4599. In col. 1, line 9 from the end, for "1779" read "1795" and for "1698" read "1711."—W. D. KUMLER.

1962, VOL. 84

Calvin M. Lee and W. D. Kumler. The Dipole Moment of the Imide Group. I. Five and Six Membered Cyclic Imides.

Page 72. Equation (15) should read

$$q^{5/3} - q/2 = \frac{V_0}{V_1\nu_e}\left(\frac{1}{2} - \chi_2\right) + \frac{3000z^2}{8\pi\Gamma R_0^3 N\nu_e} - \frac{3000z^2}{8R_0\nu_e\epsilon}\,\frac{(1000kT)^{1/2}}{(\pi N\Gamma)^{3/2}}\,\frac{D^{1/2}}{q^{1/3}}\left(1 - \frac{3}{2\kappa^2R_0^2q^{2/3}}\right) \quad (15)$$

All calculations were based on the correct equation, hence none of the conclusions of the paper are influenced by the errors.—K. E. VAN HOLDE.

John A. Zderic, Lourdes Cervantes and Maria Teresa Galvan. Sapogenins. XLI. A New Reaction of the Spiroketal Side Chain.

Page 103, Column one, on line 6, instead of "tigogenin," read "11-oxotigogenin acetate and hecogenin acetate." Lines 13–17 should read: "Structures of this type also appeared likely in the present study."—JOHN A. ZDERIC.

P. A. S. Smith and J. H. Hall. Kinetic Evidence for the Formation of Azene (Electron-deficient Nitrogen) Intermediates from Aryl Azides.

Page 482. In Table V, the entry in the $\Delta H\ddagger$ column for "5-Nitro" should read "31.6 ± 0.3" instead of "41.6 ± 0.3."—PETER A. S. SMITH.

R. E. Davis. Hydrolysis of Ethylene and Dimethyl Sulfite and the Origin of Strain in Cyclic Esters.

Page 603. The last paragraph does not separate clearly the facts from the prediction and contains an error. It should read: "As a result of data on the esters, two generalizations may be made. I. Kinetic acceleration (five membered > open) is observed if the attack as hydroxide ion occurs on the hetero atom. II. Thermodynamic strain results upon closure of the five-membered ring only if the extra oxygen atom is present. If these patterns are general, we would predict that ethylene phosphite will not be strained compared to dimethyl phosphite. The magnitude of any strain should be less than 5 kcal./mole.—R. E. DAVIS.

Jay K. Kochi. Copper Salt-Catalyzed Reaction of Butenes with Peresters.

Page 776. The end of the third paragraph should read "The pentenyl acetate mixture consisted of 91% 3-acetoxypentene-1 and 9% 1-acetoxypentene-2. The pentenyl benzoate fraction consisted of 91% 3-benzoxypentene-1 and 9% 1-benzoxypentene-2."

Page 782. The next to last line in Table I should read "Percentage 1-acetoxypentene-2 in pentenyl acetate fraction, remainder is 3-acetoxypentene-1."—JAY J. KOCHI.

W. H. Knoth, *et al.* Derivative Chemistry of $B_{10}H_{10}^{=}$ and $B_{12}H_{12}^{=}$.

Page 1056. The name of J. C. SAUER should be added to the list of authors.—EARL L. MUETTERTIES.

Kurt Mislow, Seymour Hyden and Hans Schaefer. Stereochemistry of the 1,2,3,4-Dibenzcyclonona-1,3-diene System. A Note on the Racemization Barrier in Bridged Biphenyls.

Page 1450. In col. 2, line 25, for "of Vb in aqueous basic dioxane," read "of VIb in aqueous basic dioxane."

Page 1452. In col. 2, line 25, for "α79°" read "α139°."

Page 1453. In col. 1, line 7, for "α72°" read "α132°." In col. 2, line 15, for "2,2′-Bis-(2-bromomethyl)-biphenyl" read "2,2′-Bis-(2-bromoethyl)-biphenyl."—KURT MISLOW.

Kenneth A. Connors. A Non-enzymatic Olefinic Hydration under Neutral Conditions; the Kinetics and Mechanism of the Hydration of Fumaric Acid Monoanion.

Page 1980. In Table I the headings "k_d" and "k_h" are interchanged in position in both parts of the table.—KENNETH A. CONNORS.

L. D. Antonaccio, N. A. Pereira, B. Gilbert, H. Vorbrueggen, H. Budzikiewicz, J. M. Wilson, L. J. Durham and C. Djerassi. Alkaloid Studies. XXXIII. Mass Spectrometry in Structural and Stereochemical Problems. VI. Polyneuridine, A New Alkaloid from *Aspidosperma Polyneuron* and Some Observations on Mass Spectra of Indole Alkaloids.

Page 2166. In col. 2, 13th line from the end read: ". . . while the quaternary hydroxide with opposite configuration at C_{16}, macusine-A . . ."

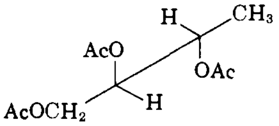
Page 2167. In col. 1: In formulas XIV, h through j, R and R′ should be reversed.

Page 2167. In col. 1, line 9, omit "and epimerization."—CARL DJERASSI.

Arthur C. Cope, Ruta K. Bly, Elizabeth P. Burrows, Olof J. Ceder, Engelbert Ciganek, Bernard T. Gillis, R. Frederick Porter and Herbert E. Johnson. Fungichromin: Complete Structure and Absolute Configuration at C_{26} and C_{27}.

Page 2172, column 2 and page 2177, columns 1 and 2. Substitute R for D and S for L in all cases. The use of this convention eliminates the ambiguity of assignment of configuration at C_{26} which arises when the D, L convention is used.

Page 2172. Formula **13** in the flow sheet should read



2S:3R-(–)-erythro

13

A. C. COPE.

J. K. Williams, D. W. Wiley and B. C. McKusick. 1,2,2-Tricyano-1,3-butadienes.

Page 2216. The title should read "1,1,2-Tricyano-1,3-butadienes.—B. C. MCKUSICK.

Mark N. Rerick and Ernest L. Eliel. Reduction with Metal Hydrides. IX. Reaction Paths in the Reduction of Epoxides with Lithium Aluminum Hydride and Aluminum Chloride.

Page 2356. In formula II the single hydrogen atom should be on the epoxide carbon bearing the *t*-butyl group, not on the one bearing the two methyl groups.

Page 2358. In Table III, in the heading under "% Ph_3CCH_2OH" on "(V)" read "(VIII)."—E. L. ELIEL.

Howard Haubenstock and Ernest L. Eliel. Reduction with Metal Hydrides. X. The Stereochemistry of Reduction of 3,3,5-Trimethylcyclohexanone with Complex Aluminohydrides.

Page 2363. In col. 2, lines 8 and 9, for "3-β-cholestanol" read "3α-cholestanol".—E. L. ELIEL.

Howard Haubenstock and Ernest L. Eliel. Reduction with Metal Hydrides. XI. Solvent Effects on the Stereochemistry of Reduction with Sodium Borohydride.

Page 2369. In col. 1, under the row of formulas, for "Dihydroisophenone" read "Dihydroisophorone" and in line 7, for "4-tropine" read "ψ-tropine."—E. L. ELIEL.

Ernest L. Eliel, Victor G. Badding and Mark N. Rerick. Reduction with Metal Hydrides. XII. Reduction of