ADDITIONS AND CORRECTIONS

1950, VOL. 72

John D. Roberts. The Dipole Moment and Molecular Configuration of 1,6-Dichloro-1,5-cycloöctadiene.

Page 3301. Prof. Kurt Mislow has pointed out to me that the value of ϵ/k used for methane differs by a factor of 10^2 from that reported in Ref. 11. This error (inadvertent) makes the calculated value of the barrier a factor of 10^2 too small. The correct calculated value (270 kcal.), of course, would not permit interconversion of the forms unless the compression energy were very greatly reduced by bond bending in the transition state. The importance of the error is somewhat diminished by the fact that inspection of models shows that the skew and chair forms can be interconverted by a torsional motion of methylene groups analogous to those which would interconvert the chair and boat forms of cyclohexane. However, the transition state for this process may well be somewhat energetically less favorable than for the interconversion of 1,5-cycloöctadiene chair and boat forms. The other conclusions of the paper remain unchanged.—JOHN D. ROBERTS.

1953, VOL. 75

M. L. Wolfrom, T. M. Shen and C. G. Summers. Sulfated Nitrogenous Polysaccharides and Their Anticoagulant Activity.

Page 1519, second column, line 7 in 2nd paragraph: change 0.004 to 0.04.—M. L. WOLFROM.

1954, VOL. 76

E. Campaigne and R. C. Bourgeois. 3-Substituted Thiophenes. VI. Substitution Reactions of 3-Thenoic Acid.

Page 2445. In column 1, line 21, for "m.p. 117–118°" read "m.p. 141–142° (corr.)."

Page 2446. In column 1, line 31, for "melting at 117–118°," read "melting at 141–142° (corr.)."—E. CAMPAIGNE.

Roger W. Jeanloz. Syntheses of 4-*O*-Methyl-β-D-galactopyranose and 2,4-Di-*O*-methyl-α-D-galactopyranose.

Page 5685. In col. 2, line 12 from end, for "4-*O*-methyl-*N*-phenyl-D-glucosylamine (VII)," read "4-*O*-methyl-*N*-phenyl-D-galactosylamine (VII)."

Page 5686. In col. 2, line 12 from end, for "2,4-di-*O*-methyl-*N*-phenyl-D-glycosylamine (VIII)," read "2,4-di-*O*-methyl-*N*-phenyl-D-galactosylamine (VIII)."—ROGER W. JEANLOZ.

1956, VOL. 78

Herbert S. Aaron and Jacob I. Miller. The Resolution of O-Ethyl Ethylphosphonothioic Acid.

Page 3538. In col. 1, line 30, for "$C_{16}H_{34}O_3NP$," read "$C_{16}H_{34}NO_2PS$." The calculated values are correct as printed.—HERBERT S. AARON.

Hiroshi Fujita. Effects of Hydrostatic Pressure upon Sedimentation in the Ultracentrifuge.

Page 3599. In the fifth line after equation (6) replace the word "small" by "large."

Page 3600. Equation (18) should read

$$dp/dr = \rho\omega^2 r \qquad (18)$$

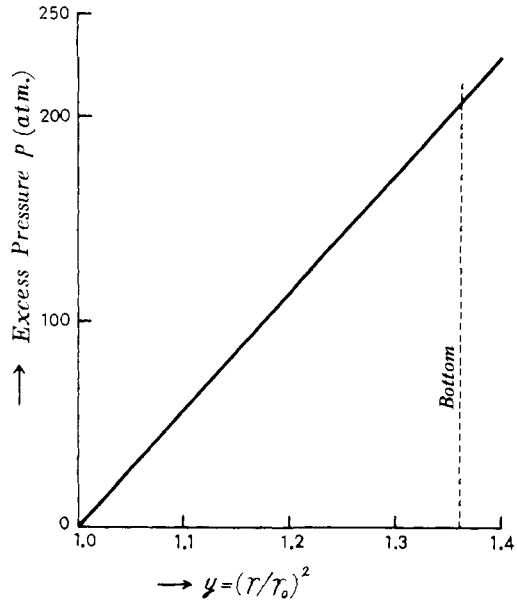
Page 3600. Equation (19) and the subsequent line should read

$$p = (1/\beta)\{\exp[\nu(y - 1)] - 1\} \qquad (19)$$

where

$$\nu = (1/2)\beta\rho_0\omega^2 r_0^2.$$

Page 3601. Figure 1 should be replaced by



Page 3601. The ordinate and abscissa of Fig. 3 should read $(r_0/C_0)(\partial C/\partial r)$. and y., respectively.

Page 3602. Equation (65) should read

$$\tau = \alpha[1 - (1/y_*)] + \ln y_* \qquad (65)$$

Page 3603. Equation (79) should read

$$\frac{dy_*}{d\tau} = \frac{y_*}{1 + \alpha(1/y_*)}[1 - m(y_* - 1)] \qquad (79)$$

HIROSHI FUJITA.

1957, VOL. 79

Felix Haurowitz, Raymond Sowinski and Hsieh Fu Cheng. The Dissociation of Antigen-Antibody Precipitates.

Page 1887. In Fig. 2, the ordinate marking should be $K \times 10^{-6}$.—FELIX HAUROWITZ.

M. L. Wolfrom and K. Onodera. Dithioacetals of D-Glucuronic Acid and 2-Amino-2-deoxy-D-galactose.

Page 4739. In footnote 23 change C to A.—M. L. WOLFROM.

1958, VOL. 80

Herbert S. Aaron, Thomas M. Shryne and Jacob I. Miller. The Stereochemistry of Asymmetric Phosphorus Compounds. I. The Resolution of O-Ethyl Ethylphosphonothioic Acid.

Page 110. In col. 2, lines 6 and 17, for "$C_{16}H_{34}NO_3P$" read "$C_{16}H_{34}NO_2PS$." The calculated values are correct as printed.—HERBERT S. AARON.

V. Boekelheide and Wayne Feely. Amine Oxides. Cyclic Quaternary Salts and their Decomposition.

Page 2220. In col. 2, in the third boldface heading line, for "(XV)" read "(XVI)."—V. BOEKELHEIDE.

Raymond M. Fuoss. Conductance of Ionophores.

Page 3163. The first sentence of the second paragraph should read "Define $\Lambda_\eta = \Lambda(1 + Fc)$ where $Fc = 5\phi/2$". In equation (2), the left side should be "σ_2". Just above equation (4), the exponent of γ_0 should be "$(+1/2)$". Seven

lines from the end, the subscript to A should be "K."—RAYMOND M. FUOSS.

F. A. Quinn, Jr., and L. Mandelkern. Thermodynamics of Crystallization in High Polymers: Polyethylene.

Page 3178.

TABLE I

THERMODYNAMIC QUANTITIES FOR POLYETHYLENE-DILUENT MIXTURES

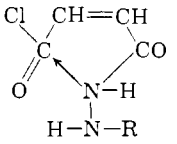
Diluent	ΔH_u(cal./mole)	B(cal./cm.^{3})
Ethyl benzoate	930 ± 30	3.8
o-Nitrotoluene	935 ± 35	7.0
Tetralin	990 ± 70	1.0
α-Chloronaphthalene	970 ± 40	1.5
Mean value	960 ± 30	

Roger Adams and J. S. Dix. Restricted Rotation in Aryl Amines. XXI. Effect of 3-Substituents on the Optical Stability of Some N-Benzenesulfonyl-N-carboxymethylmesidines.

Page 4581. In col. 1, line 37. Insert after "benzene" the words "melting point 187–189°" and after "yield" in line 42 insert "melting point 182–183°."—ROGER ADAMS.

Henry Feuer and Harry Rubinstein. Maleic Hydrazide. I. Reactions with Selected Electrophilic Reagents.

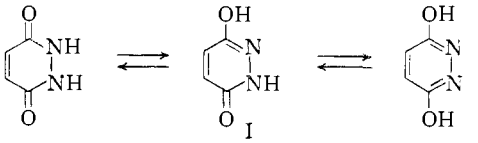
Page 5876. In col. 1, formula "a" should be



HENRY FEUER.

Henry Feuer and Ronald Harmetz. The Chemistry of Maleic Hydrazide. II. The Course of the Michael-type Addition.

Page 5877. In col. 2, formulas I should be



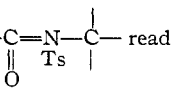
Page 5878. In col. 2, line 2 after Experimental, for "1.0 g." read "9.9 g."

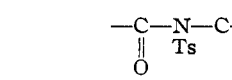
Page 5880. In col. 1, line 10, for "6.10, 6.02 and 6.42" read "3.02, 3.08 and 6.12." In col. 1, line 28, for m.p. 140–141°" read "m.p. 190–190.5°."—HENRY FEUER.

Walter Z. Heldt. Beckmann Rearrangement. I. Syntheses of Oxime *p*-Toluenesulfonates and Beckmann Rearrangement in Acetic Acid, Methyl Alcohol and Chloroform.

Page 5884. In col. 1, line 5 from the end, for "151–152°" read "101–102°." In line 7 from the end, for m.p. 143.8–144.5°[20]" read "m.p. 93.8–94.5°."—WALTER Z. HELDT.

Walter Z. Heldt. Beckmann Rearrangement. II. Salt Effects in the Acetolysis of Cyclopentanone and Cyclohexanone Oxime *p*-Toluenesulfonate.

Page 5974. In col. 1, formula VI, for  read



Page 5975. In col. 1, Tables VI and VII, for "sec.^{1}" read "sec.$^{-1}$." Line 7 from the end, for "k_{ROS}^{VII}" read "k_{ROS}^{II}." Line 6 from the end, for "$k_{ROS}^{III} \gg k_{-2}(X^-)$" read "$k_{ROS}^{VII} \gg k_{-2}(X^-)$." In col. 2, line 3, for "Ia and Ib" read "IIa and IIb."—WALTER Z. HELDT.

Kurt Mislow and Francis A. McGinn. Determination of the Absolute Configuration of Restricted 1,1′-Binaphthyls by Asymmetric Meerwein-Ponndorf-Verley Reduction.

Page 6036. In the Abstract, line 5, read "...polarizability theory of..."

Page 6038. In col. 1, line 4 of the Experimental, for "5.7 g." read "11.4 g."—KURT MISLOW.

Alexander Schönberg, Mohamed Elkaschef, Michael Nosseir and Mahmoud Mohamed Sidky. Experiments with 4-Thiopyrones and with 2,2′,6,6′-Tetraphenyl-4,4′-dipyrylene. The Piezochromism of Diflavylene.

Page 6313. In col. 1, under formula V, line four, transpose the "$_5$" to line 2 to read $-C_6H_5$. In formula VI, omit the "S" at the top of the formula, leaving only the vertical double bond.

H. K. Hall, Jr., and A. K. Schneider. Polymerization of Cyclic Esters, Urethans, Ureas and Imides.

Page 6409. Ref. (1) should be "**80**, 6404 (1958)."

H. K. Hall, Jr. Polymerization and Ring Strain in Bridged Bicyclic Compounds.

Page 6412. Ref. (2) should be "**80**, 6409 (1958)."

H. K. Hall, Jr., M. K. Brandt and R. M. Mason. Hydrolysis Rates and Mechanisms of Cyclic Monomers.

Page 6420. Ref. (5) should be "**80**, 6404 (1958)."

Page 6421. The title of Table I should read "Rate Data at 25°."

Page 6422. The title of Table II should read "Summary of Rate Data at 25°."

H. K. Hall, Jr., and R. Zbinden. Infrared Spectra and Strain in Cyclic Carbonyl Compounds.

Page 6429. In Table I, col. 1, entry 5, for "2-oxoheptamethyleneimine....8" read "2-oxoöctamethyleneimine....9."

Page 6431. In Table I (*contd.*), in the col. headed "<0.1% in CCl_4," third number from the end, for "1744(s)" read "1770(s)." In Table II, col. headed "6," in "Bicyclics" section, opposite "anhydrides," for "−19" read "−7." Opposite "average" for "+ 4 ± 10" read "+ 5 ± 9."—H. K. HALL, JR.

William E. Truce and Rudolph Kassinger. Stereospecific Reactions of Nucleophilic Agents with Acetylenes and Vinyl-type Halides. VIII. The Mechanism of the Reaction of Tetrachloroethylene with *p*-Toluenethiolate Reagent.

Page 6451. At the end of col. 1, the last two sentences, "Finally.....Moment.[10]" and refs. 9 and 10, should be omitted.—WILLIAM E. TRUCE.

C. S. Stringer and H. M. Tsuchiya. A Kinetic Study of Dextransucrase.

Page 6622. In col. 1, line 5 after Table II, insert "[26]" after "apparent." In col. 2, line 6 after formula (4), omit "[26]" after "6%."—CHARLES S. STRINGER.

1959, VOL. 81

Herbert C. Brown and George Zweifel. A Stereospecific *cis* Hydration of the Double Bond in Cyclic Derivatives.

Page 247. In col. 2, line 16, for "35–38°" read "54–56°."—HERBERT C. BROWN.

James W. Ogilvie. The Degradation and Structure of a Terpenoid Acid Enzymatically Synthesized from Mevalonic Acid.

Page 756. In col. 1, the latter part of the formulas I and II should read