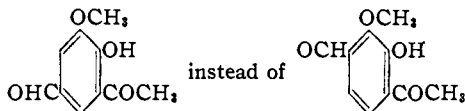


Bernhard Witkop and J. B. Patrick. Addition Reactions and Wagner-Meerwein Rearrangements in the Indoxyl Series.

Page 715. In Fig. 2, parts D and D-HCl, make correction "The designations a and b for the NH bands should be interchanged. The first sharp band belongs to the indole NH, the second smaller band to that of the anilino NH and is affected by salt formation."—B. WITKOP.

Herbert E. Smith, Charles R. Russell and L. E. Schniepp. Synthesis and Proof of Structure of 5-Acetylvanillin.

Page 793. Formula IV should be



—L. E. SCHNIEPP.

Stanley J. Cristol, John R. Douglass and John S. Meek. The Reactions of Phenyllithium with Some Epoxides.

Page 817. In footnote (25) for "Danislov" read "Danilov." For "Chem. Zentr., 94, II, 761 (1923)" read "Chem. Zentr., 94, III, 761 (1923)."—STANLEY J. CRISTOL.

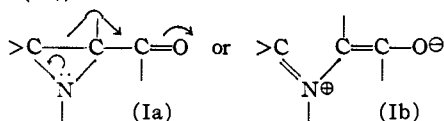
John D. Roberts and Joel A. Yancey. Reactivities of 4- and 5-Substituted 2-Methylbenzoic Acids.

Page 1013. In col. 1, line 3, for " σ -constant" read " ρ -constant."—JOHN D. ROBERTS.

Norman H. Cromwell, Norval G. Barker, Ronald A. Wankel, Phillip J. Vanderhorst, Frank W. Olson and J. Hill Anglin, Jr. Ethylene Imine Ketones. VII. Stereochemical Configurations, Absorption Spectra and Reactions with Phenylhydrazine.

Page 1045. In col. 1, under formula for "VIII, Ar, *p*-C₆H₄-C₆H₅" read "VIII, Ar, *p*-C₆H₄-C₆H₄."

Page 1046. In col. 2, bottom, delete structural formulas (IIa) and (IIb) as unimportant. For structural formulas (Ia) and (Ib), now read



Page 1047. In col. 1, line 10 from bottom for "If electrical" read "If electrical."

Page 1049. In col. 2, line 8 and 9 from bottom, for "m.p. 88-89°" read "m.p. 106-107°," and lines 5 and 6 from bottom, for "C₂₁H₂₅NO: C, 82.04; etc." read "C₂₁H₂₃NO: C, 82.58; H, 7.59. Found: C, 82.40; H, 7.67."

Throughout the discussion section, for " π -electrons" read " π -like electrons."—NORMAN H. CROMWELL.

C. S. Marvel and Charles H. Young. The Effect of *cis* and *trans* Olefinic Groups on the Properties of Polyurethans and Polyesters.

Page 1067. The cut part of Fig. 2 should be turned through 180 degrees.—C. S. MARVEL.

C. S. Marvel and Alex Kotch. Polythioesters.

Page 1100. The first word of the abstract should read "polythioesters." The right-hand side of the last structural formula in Table II should read "S-(CH₂)₂-S-(CH₂)₂-."

Page 1102. In col. 1, line 31, "dithioadipic" should read "dithioladipic." In col. 2, line 15, change 3.52 to 3.25.—C. S. MARVEL.

Harry Goldenberg and A. D. McLaren. Effect of Ultraviolet Light on the Specific Activity of Chymotrypsin and Trypsin.

Page 1132. In Table I, under "PA," for "18" read "28," and under "GPA," for "28" read "18."—HARRY GOLDENBERG.

Carl G. Baker and Alton Meister. Enzymatic Resolution of Some Higher α -Amino Acids and Preparation of Optically Active α -Hydroxy Acids.

Page 1337. In col. 1, lines 13 and 11 from the end, for "nitrate" read "nitrite."

Page 1338. In col. 2, line 5 from the end of text, for "L- α -aminoisocaproic" read "L- α -hydroxyisocaproic."—CARL G. BAKER.

Paul N. Craig, Ivan H. Witt, Edward Macko, Joaquin G. Dacanay, Edwin J. Fellows and Glenn E. Ulliot. Dialkylaminoethyl Esters and Aminolactones Derived from 2,2-Diphenyl-4-pentenoic and 2,2-Diphenyl-4-methyl-4-pentenoic Acids.

Page 1341. In col. 1, line 15, for "ether" read "ethereal hydrogen chloride."—GLENN E. ULLIOT.

M. B. Naff and B. E. Christensen. Quinazolines. XI. Synthesis of Several Aminoquinazolines and their Sulfa Derivatives.

Page 1373. In col. 2, the last two boldface compound names should read "N⁴-Acetyl-N¹-."

Kenneth Hedberg and Verner Schomaker. A Reinvestigation of the Structures of Diborane and Ethane by Electron Diffraction.

Page 1482. In line 5 of the Abstract, for "1.535Å." read "1.533Å."—VERNER SCHOMAKER.

Max S. Matheson, E. E. Auer, Ellen B. Bevilacqua and E. J. Hart. Rate Constants in Free Radical Polymerization. III. Styrene.

Page 1703. In Table V, part (a), the second line should read " $R_p \times 10^8$ " instead of " $R_p \times 10^2$."—MAX S. MATHESON.

Ines Mandl and A. D. McLaren. Photochemistry of Proteins. XII. A Contribution to the Photochemistry of Amino Acids.

Page 1828. In the second part of Eq. (2), for "L(-)" read "L(+)."—INES MANDL.

G. L. Kington and J. G. Aston. The Heat of Adsorption of Nitrogen on Titanium Dioxide (Rutile) at 77.3°K.

Page 1929. In footnote (1) for "absorption" read "adsorption."

Page 1930. In Fig. 1, inside plate legend, for "See Fig. 2" read "See Fig. 3."

Page 1931. In col. 1, lines 13 (eqn.) and 16, for " q_{st} " read " q_{st} ."

Page 1932. In col. 1, eqn. (8), for " $\bar{C}_s \delta T$ " read " $C_s \delta T$." Line 10 from the end, for "(13)" read "(3)."

Page 1933. In col. 1, line 5 (eqn.), first term, for " $-S_s \delta T$ " read " $-S_s \delta T$." In Eqn. (25) for " (∂E_s) " read " $(\partial \bar{E}_s)$."—J. G. ASTON.

G. L. Kington and J. G. Aston. A Correlation of the Thermodynamic Properties of Nitrogen Adsorbed on Titanium Dioxide.

Page 1934. In the main title, for "Adsorbed" read "Adsorbed." Throughout the paper F is used for the Gibbs free energy, whereas the same function is denoted as G in the previous paper.—J. G. ASTON.

Robert H. Dinagar, Robert H. Smellie and Victor K. La Mer. Kinetics of the Acid Decomposition of Sodium Thiosulfate in Dilute Solutions.

Page 2050. In eqn. (4), in the denominator, the $-$ sign should read $+$.

Page 2051. In col. 1, the second equation, in the denominator, there should be a $+$ sign between $(H^+)_0$ and $(S_2O_3^{2-})_0$. In the legend of Figs. 1 and 2, after the tabulation, insert: "Fig. 2.—Variation of the reciprocal slopes of Fig. 1 as a function of initial concentration of Na₂S₂O₃."

Page 2052. The legend now under Fig. 4 should be under Fig. 3. The legend of Fig. 5 should appear under Fig. 4.

Page 2053. The legend for Fig. 5 should be: "Fig. 5.—Data of section 2 of Table II plotted as $(S_2O_3^{2-})^{-2}$ vs. $[\ln + (e^{-k_2t} - 1)/k_2]$." In all cases the text discussion of the figures is correct.—ROBERT H. SMELLIE.

Bernard Katchman and A. D. McLaren. Sorption of Water Vapor by Proteins and Polymers. IV.

Page 2126. The authors state: "In the second column of Table III, the number of moles of polar groups for ethylene-vinyl alcohol (2.7:1 mole ratio) is 0.84 instead of 1.86. This error in number (as well as in mole ratio) was also carried over into a review article, McLaren and Rowen, *J. Polymer Sci.*, 7, 289 (1951)."—A. D. McLAREN.

Alexander Schönberg and Ahmed Mustafa. Dehydrogenation Reactions by the Action of Free Radicals.

Page 2401. In Table I, last line, last column, for "5" read "60."—A. MUSTAFA.

Chester J. Cavallito, Catherine M. Martini and Frederick C. Nachod. Rearrangements of Some Benzoylvinylisothiourea and of Metathiazine Derivatives.

Page 2545. In the legend under Fig. 1, for "V" read "IV."—C. J. CAVALLITO.

Martin E. Hultquist, Richard P. Germann, John S. Webb, William B. Wright, Jr., Barbara Roth, James M. Smith, Jr., and Y. SubbaRow. N-Heterocyclic Benzenesulfonamides.

Page 2558. In footnote 4, lines 5, 6, and 7 should read: "preparation of the following substances by decomposition from the sulfanilamides: N-(2-thiazolyl)-, m.p. 221–222°; N-2-(benzothiazolyl)-, m.p. 292°; N-(5-methyl-2-thiazolyl)-, m.p. 321°; . . ."—J. M. SMITH, JR.

J. Stanton Pierce, Carl D. Lunsford, R. W. Raiford, Jr., J. L. Rush and Douglas W. (R.) Wiley. Tris-(hydroxymethyl)-aminomethane Derivatives. III. Oxamides, Ureas, Oxazolidines and 1-Aza-3,7-dioxabicyclo[3,3,0]-octanes.

Page 2595. The surname of the last author is "Wiley."—J. STANTON PIERCE.

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

Page 2660. In eqn. (3), in the part following the = sign, the + should be ×.

Page 2664. In col. 1, line 3 from the end, for " $\text{CH}_3\text{CO}-\text{OH}$
 $\text{C}-\text{COCH}_3$ " read " $\text{CH}_3\text{CO}-\overset{\text{H}}{\text{O}}-\text{COCH}_3$."—WILLIAM A. BONNER.

E. B. Astwood, M. S. Raben, R. W. Payne and A. B. Grady. Purification of Corticotropin with Oxycellulose.

Page 2969. In Table I, in the heading of col. 6, for "Mg." read "units per mg."—E. B. ASTWOOD.

William E. Truce and M. Frederick Amos. The Metalation of Diaryl Sulfones. I.

Page 3014. In col. 1, first equation line, for " PCl_3 " read " PCl_5 ."—M. FREDERICK AMOS.

R. R. Dreisbach. The Applicability of the Ramsay-Young and Dühring Rules, and an Accurate Method for Calculating θ , the Characteristic Temperature of a Compound.

Page 3147. In footnote (7) the citation should be "*Ind. Eng. Chem.*"—R. R. DREISBACH.

William G. Dauben and Jerome F. Eastham. The Conversion of Cholestanone to Cholesterol.

Page 3260. In the main title, for "Cholestanone" read "Cholestenone."—WILLIAM G. DAUBEN.

Glenn S. Skinner and Richard deV. Huber. α -Carboxethylactones and Related Barbituric Acid Derivatives.

Page 3321. In col. 2, line 22, for "decreases" read "increases," and in line 24, for "increase" read "decrease."—GLENN S. SKINNER.

Leo H. Sommer, Herbert D. Blankman and Paul C. Miller. Non-rearrangement Reactions of the Neopentyl-Oxygen Bond. New Syntheses of Neopentyl Halides.

Page 3542. In col. 2, line 23 should read: "(2 moles), phosphorus tribromide (1.48 moles), quinoline (2.43 moles) and bromobenzene."—LEO H. SOMMER.

John D. Roberts and Robert H. Mazur. The Nature of the Intermediate in Carbonium Ion-type Interconversion Reactions of Cyclobutyl, Cyclopropylcarbinyl and Allyl-carbinyl Derivatives.

Page 3543. In footnote (3) for "3176" read "5034."

Page 3543. In the first row of the equation, third formula, for " $-\text{C}^{13}\text{H}_2\text{NH}_2$ " read " $-\text{C}^{14}\text{H}_2\text{NH}_2$."—JOHN D. ROBERTS.

Sidney W. Fox, Thomas L. Hurst and Kenneth F. Itschner. A Microbiological Method for the Determination of Sequences of Amino Acid Residues.

Page 3575. In col. 1, last line of section headed Culture, for "ATTC 4510" read "ATTC 8287."—SIDNEY W. FOX.

Melvin S. Newman and N. C. Deno. Behavior of Organic Compounds in 100% Sulfuric Acid.

Page 3652. Equation (4) should read: $(4) i = 4; o-, m-, p\text{-CH}_3\text{OC}_6\text{H}_4\text{COOH} + 3\text{H}_2\text{SO}_4 = (o-, m-, p\text{-CH}_3\text{O}(\text{SO}_3\text{H})\text{-C}_6\text{H}_4\text{COOH})\text{H}^+ + \text{H}_3\text{O}^+ + 2\text{HSO}_4^-$.—MELVIN S. NEWMAN.

Francis E. Condon. Aluminum Bromide Isomerization of 2,2,4-Trimethylpentane Alone and in the Presence of Naphthenes. Mechanism of the Inhibition by Naphthenes of Side Reactions during Paraffin Isomerization.

Page 3941. In col. 1, line 14, for "at" read "of."

Page 3943. Equation (IV) should appear as

$$dC/dt = -k'f_2(\text{catalyst})C + bf(C)dc/dt$$

and equation (VI) should be

$$dM/dt = b'f(M)dc/dt$$

the factor " dc/dt " in the rightmost terms of these equations contains a factor " $f_1(\text{catalyst})$." The additional " $f_2(\text{catalyst})$ " factors appearing in these terms in the published article constitute unintentional redundancy.

Page 3944. Equation (VIII) should read "(V)/(III) $dT/dc = -aC/c$." Before equation (IX), change "(VI)-(III)" to "(VI)/(III)."

Page 3946. Before equation (XXVII), change "(XXV)-(XXVI)" to "(XXV)/(XXVI)."

Page 3947. In col. 2, line 17, change "(24)" to "(XXIV)." In line 20, change " H/C " to " H/M ." In line 23, for " $k_H f_7(\text{catalyst})$," read " $k_H f_8(\text{catalyst})/k_M f_7(\text{catalyst})$."—F. E. CONDON.

Henry Gilman and T. C. Wu. Cleavage of the Silicon-Silicon Bond in Hexaphenyldisilane.

Page 4031. In footnote (3) read "C. A. Kraus" instead of "C. C. Kraus." In footnote (6) page number "3404" should read "5077."—HENRY GILMAN.

A. G. Janssen, E. R. Schierz, R. Van Meter and John S. Ball. Isolation and Identification of Pyrrole and 2-Methylpyrrole from Shale Oil.

Page 4040. Footnote (1) should read "From the Ph.D. thesis of A. G. Janssen submitted to the Chemistry Department, University of Wyoming."—JOHN S. BALL.