

ADDITIONS AND CORRECTIONS

1921, VOLUME 43

The Nutritional Requirements of Yeast. II. The Effect of the Composition of the Medium on the Growth of Yeast, by Ellis I. Fulmer, Victor E. Nelson and F. F. Sherwood.

P. 197. For the ordinate on the curve, instead of "Per cent. gain in weight" read "Grams gain in weight per 1000 g. of gluten."

1922, VOLUME 44

Pyrimidines from Alkylmalonic Esters and Aromatic Amidines, by Arthur W. Dox and Lester Yoder.

P. 364. In the first column of Table I, the 5-carbon substituent on line 11, instead of "dimethyl" read "trimethylene."

The Constitution of the Secondary Product in the Sulfonation of Cinnamic Acid, by F. J. Moore and Ruth Thomas.

P. 368. In line 14, instead of "*m*-sulfobenzamide" read "*m*-hydroxybenzoic acid."

A Simpler Method of Determining Acetyl Values, by Leon W. Cook.

P. 392. For similar formulas developed by a slightly different method, see T. T. Cocking, *Chemist and Druggist*, **74**, 87 (1913); *Perfumery and Essential Oil Record*, **9**, 37 (1918).

The Pressure of Oxygen in Equilibrium with Silver Oxide, by Frederick G. Keyes and R. Hara.

P. 479. For the name of the second author instead of H. Hara read R. Hara.

A Simple Method of Electrometric Titration in Acidimetry and Alkalimetry, by Paul Francis Sharp with F. H. MacDougall.

P. 1195. In the fifth and ninth lines of Table II, instead of "100-0.5-CdSO₄," read "10.00-0.5-CdSO₄."

The Molecular Rearrangement of Symmetrical Bis-triphenylmethylhydrazine, by Julius Stieglitz and Ralph L. Brown.

P. 1280. The eighth column in the table should read 6, 17, 22, 39, 33, 37, 31, 31, 27, 29, 35, 34.

P. 1283. Under *Analyses*, the ammonia found should read "0.0366, 0.0345."

Ion Activities in Homogeneous Catalysis. The Formation of Para-chloro-acetanilide from Acetyl-chloro-amino-benzene, by Herbert S. Harned and Harry Seltz.

P. 1478. In Equation 1, instead of $C_6H_5NC\overset{+}{C}OCH_3 + H + \overset{-}{Cl}$ read $C_6H_5NC\overset{+}{C}OCH_3 + H + \overset{-}{Cl}$.

P. 1480. In the second line from the bottom, read $\log F_a' = \alpha' C - \beta' C^m$.

P. 1483. In the eleventh line of the text, read "whence E_c is found to be 2.14×10^4 cal. between 25° and 35°, and 1.93×10^4 cal.," etc.

P. 1684. Temperature Coefficient of Electromotive Force of Galvanic Cells and the Entropy of Reactions, by Roscoe H. Gerke. The author wishes to acknowledge his appreciation of the invaluable advice of Professor Gilbert N. Lewis, who directed the research.

The Structure of the Compounds Produced from Olefins and Mercury Salts: Mercured Dihydrobenzofurans, by Roger Adams, F. L. Roman and W. N. Sperry.

P. 1791. Line 8, for density instead of 1.507 read 1.057.

Correlation of Entropy and Probability, by George A. Linhart.

P. 1883. The table headings at the top of the page should read "Magnesium" at the left and "Mercury" at the right.

P. 1884. The table headings at the top should read "Aluminum" at the left and "Tin (white)" at the right; a horizontal line should appear above the headings "Tin (gray)" and "Iodine."

P. 1885. The table heading at the top should read "Potassium chloride" on the right; a horizontal line should appear above the heading "Silver chloride."

P. 1886. The table headings at the top should read "Mercurous chloride" on the left and "Tin tetrachloride" on the right; a horizontal line should appear above the headings "Lead chloride" and "Formic acid (cont.)."

The System, $\text{Fe}_2\text{O}_3\text{—SO}_3\text{—H}_2\text{O}$, by E. Posnjak and H. E. Merwin.

Make the following changes if not so printed.

P. 1977. Line 18, "See Table III" should be "See Table IV." In Table III, "Expt." should be "No.;" and < should be \angle .

P. 1979. Line 24, III should be IV. Line 27, the last (110) and (120) should be (1 $\bar{1}$ 0) and (1 $\bar{2}$ 0).

P. 1981. Line 2, after "but" insert "on"; line 6 from bottom, 4 should be 3.

P. 1982. Line 3, omit second c; lines 3 to 7, insert, in first wide space, > ; line 7, the second (110) should be (1 $\bar{1}$ 0); line 9, III should be IV.

P. 1983. Last line, 50 should be 51.

A Study of the Velocity of Hydrolysis of Ethyl Acetate, by Herbert S. Harned and Robert Pfanstiel.

P. 2201. For $\frac{T'_0 - T}{T_E} = x$, read $\frac{T'_0 - T}{T_E} A = x$.

A New Method for the Introduction of an Ethyl Group. The Reaction Between Organo-magnesium Halides and Diethyl Sulfate, by Henry Gilman and Rachel E. Hoyle.

P. 2625. The yield in the reaction between benzyl magnesium chloride and diethyl sulfate is 65% and not quantitative.

NEW BOOKS

The Chemistry of the Non-Benzenoid Hydrocarbons and their Simple Derivatives.

By BENJAMIN T. BROOKS, Ph.D. The Chemical Catalog Company, Inc., 1 Madison Avenue, New York, U. S. A., 1922. 612 pp. 16 × 23.5 cm. Price \$7.00.

As stated by the author in the preface "the beautiful, interesting and often facile chemistry of the benzene hydrocarbons has somewhat overshadowed the chemistry of the aliphatic open-chain and cyclic non-benzenoid hydrocarbons." In this volume we have an adequate and a very readable survey of the paraffin and cyclic (other than the aromatic) hydrocarbons. No attempt to attain completeness has been made but abundant references to the literature are found throughout the book. The author sees great opportunities for research on the theoretical side of petroleum, rubber, turpentine and essential oils. Methods of refining petroleum, for instance, are still wasteful since they are based necessarily on empirical knowledge.

Titles of the first 6 chapters are: I. The Paraffins; II. Chemical Properties of the Saturated Hydrocarbons; III. The Paraffin Hydrocarbons; IV. The Ethylene Bond; V. The Acyclic Unsaturated Hydrocarbons; VI. Polymerization of Hydrocarbons. The great importance of the ethylene bond is emphasized in a chapter of considerable length. The theories