Additions and Corrections

NOTICE TO READERS.—For the convenience of those who wish to cut out the corrections and attach them to the margins of the articles corrected, they have been printed upon one side of the page only.

1933, VOL. 55

Victor K. La Mer and W. George Parks. The Partial and Integral Heats of Dilution of Cadmium Sulfate Solutions from Electromotive Force Measurements.

Page 4349. In Table V, the 20° values in the last four columns should read: 0.0207 instead of 0.0144; 0.323 instead of 0.358; 5,236 instead of 5,789; and 3,579 instead of 3,858.—VICTOR K. LA MER.

1937, VOL. 59

C. S. Fuller and C. L. Erickson. An X-Ray Study of Some Linear Polyesters.

Page 347. In Fig. 1(e) and (f) "the fiber axis directions on the X-ray fiber patterns of trimethylene sebacate and diethylene sebacate polyesters were inadvertently rotated through 90 degrees."

Page 348. As a result of the error on Page 347, these corrections are needed in Table II: "The correct lengths corresponding to the chemical repeating units are 15.4 ± 0.1 Å. and 17.8 ± 0.1 Å. for trimethylene and diethylene sebacate, respectively. The fiber periods or lengths of the X-ray repeating units along the fiber axis are probably multiples of these values. The designation of the various reflections in Table II is also erroneous. The general conclusions reached previously in regard to the chain configurations in the solid state of the two esters in question are not altered essentially by these corrections. As in the case of the results previously reported, the above values of the lengths of the chemical repeating units necessitate a considerable shortening of the planar zigzag chain configuration. Present evidence, however, favors a uniform "tub" form of chain instead of one in which the shortening occurs entirely in the glycol portion of the ester as was previously suggested."—C. S. FULLER.

K. A. Krieger and Martin Kilpatrick. The Conductance of Mixtures of Strong Electrolytes.

Page 1879. Column 1, line 18 for "in 1 kg. of water" read "in 1 kg. of solution." The effect of this error is to make the cell constant and the quantities dependent upon it slightly too large. The following changes should therefore be made to convert our conductances to the Jones and Bradshaw standard:

Page 1880. The values in Table I in the columns headed Λ_K(obsd.) and Λ_K(calcd.) and the left member of equation (2) should be reduced by 0.068%.

Page 1881. Column I, following line 18. The column marked Λ(obsd.) should be reduced by 0.068%.

Page 1882. Table III. The values in the column headed 1000 $C_{sp.}$(obsd.) should be reduced by 0.068%. In Table II, Λ_1° becomes 38.59 and ω_{12} and ω_{31} change correspondingly. This change in cell constant enters into the mixture effect in a rather complicated way, the values in Table III, under the heading $\Delta C_{sp.}$ (%) obsd., becoming, reading downward: +0.01, −0.04, −0.09, −0.01, −0.13, −0.04, −0.11, −0.04, −0.08, −0.04, −0.04, −0.07, −0.10, −0.06, −0.09, −0.09, −0.09, −0.10, and −0.12.

It will be observed that the corrected values are in better agreement with the theoretical values than those previously reported. With the exception of three points, the agreement is probably within the experimental error, although the observed values seem to fall consistently below the calculated ones (numerically) at the higher concentrations.—K. A. KRIEGER.

1938, VOL. 60

F. F. Blicke and R. A. Patelski. Hydroxy- and Methoxyphenylanthrones. I.

Page 2640. In column 2, line 2 from end, for "Ethyl 2-(2′-Methoxybenzoyl)-benzoate" read "Ethyl 2-(2′-Methoxybenzyl)-benzoate."

In column 2, line 1 from end, for "2-(2′-methoxybenzoyl)-benzoic acid" read "2-(2′-methoxybenzyl)-benzoic acid."

Page 2641. In column 1, line 16, for "ethyl 2-(2′-methoxybenzoyl)-benzoate" read "2-(2′-methoxybenzyl)-benzoate."—F. F. BLICKE.

Philip G. Stevens, W. Edward Higbee and Robert T. Armstrong. The Influence of Branched Chains on Optical Activity. The Configuration of Propyl-*t*-butylcarbinol, with a Note on the Relation between Rotatory Power and Chemical Character.

Page 2659. In Table III, 5th line, 3rd column, read −0.72 instead of +0.72.—PHILIP G. STEVENS.

E. Bergmann. The Dimerization of 3-Phenylindene.

Page 2816. The formula shown here should have a double bond between the second and third carbon in the left-hand indene ring.

Roger Adams, T. A. Geissman and R. C. Morris. Structure of Gossypol. XVII. Nitration Products of Gossypol Hexamethyl Ether, Gossypolone Tetramethyl Ether and Gossypolonic Acid Tetramethyl Ether.

Page 2971. In column 2, under heading "Oxidation of Compound IV to, etc." line 8, for "Compound V" read "Compound IV" and line 11, for "Compound V" read "Compound VI."—ROGER ADAMS.