

## 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.

1936, VOL. 58

**Samuel Korman and Victor K. La Mer.** Deuterium Exchange Equilibria in Solution and the Quinhydrone Electrode.

Page 1397. In line 3 of footnote (5), for "1387" read "1590."

1945, VOL. 67

**Jay S. Roth with Ed. F. Degering.** The Preparation of Sulfanilamide Derivatives Containing a Urea or Thiourea Grouping.

Page 127. The authors write: "In Table I, N-Phenyl-N'-*p*-sulfonamidophenylurea should read  $C_{13}H_{13}O_2N_3S$ , calcd. N, 14.45; found, 14.52, 14.60. N-Methyl-N'-*p*-sulfonamidophenylthiourea should read  $C_8H_{11}O_2N_3S_2$ , calcd. N, 17.13; found, 17.49, 17.10. N-Allyl-N'-*p*-sulfonamidophenylthiourea should read calcd. N, 15.49; found, 15.62, 15.38.

"In Table II, note *a* should read calcd. C, 41.8; H, 4.8. Found: C, 41.4; H, 5.2. N-*p*-Acetylsulfanilamido-N'-methylthiourea should read calcd. N, 18.53; found, 18.75, 18.67.

"In Table III, sulfanilylhydrazine should read m. p. 136°;  $C_6H_7O_2N_3S$ , calcd. N, 22.44; found, 22.67, 22.63."—ED. F. DEGERING.

**V. N. Ipatieff and Herman Pines.** Studies in the Terpene Series. IV. Method for the Determination of Rings in Bicyclic Dihydroterpenes. Isomerization of Pinane in the Presence of Dilute Aqueous Salt Solutions.

Page 1933. In Col. 2, line 23, for "2,5-Dinitrophenylhydrazone" read "2,4-Dinitrophenylhydrazone."—HERMAN PINES.

**Robert R. Adams and Frank C. Whitmore.** Heterocyclic Basic Compounds. V. 2-Amino-4-basically-substituted-pyrimidines.

Page 2281. In Col. 2, line 21 from the end, in the second part of the first formula, read "C<sub>6</sub>" instead of "C<sub>7</sub>."

1946, VOL. 68

**Nicholas A. Milas and Douglas M. Surgenor.** Studies in Organic Peroxides. VIII. *t*-Butyl Hydroperoxide and Di-*t*-butyl Peroxide.

Page 206. In Table I, second entry, the b. p. 109–109.2° is at 760 mm. instead of 2 mm. as given.—NICHOLAS A. MILAS.

**Henry Gilman, C. G. Stuckwisch and J. F. Nobis.** Pyrrol Derivatives of Pyridine, Quinoline and Acridine.

Page 327. In Col. 1, lines 22, 23, 24 and 25 of the experimental should run on the end of the last line of the footnote section to Table I (as part of note *e*).—HENRY GILMAN.

**M. L. Wolfrom, Walter D. Harris, George F. Johnson, J. E. Mahan, Sam M. Moffett and Bernard Wildi.** Osage Orange Pigments. XI. Complete Structures of Osagin and Pomiferin.

Page 415. In Col. 1, line 12 from the end, the correct formula is  $C_{24}H_{26}O_4(OCH_3)_2$ .—M. L. WOLFROM.

**Reynold C. Fuson, Wm. E. Parham and Lester J. Reed.** The Synthesis of 7-Chloro-4-(1-ethyl-4-piperidylamino)-quinoline (SN-13,425).

Page 1239. On Col. 1, formula II, the \ at the lower left of the upper right ring should be omitted.—REYNOLD C. FUSON.

**M. L. Wolfrom, B. W. Lew and R. Max Goepp, Jr.** Sugar Interconversion under Reducing Conditions. III.

Page 1446. In Col. 2, line 37, for "1-desoxyhexitol" read "2-desoxyhexitol."—M. L. WOLFROM.

**M. L. Wolfrom and Mary Grace Blair.** Acetylation of D-Mannose Phenylhydrazone.

Page 2110. It should be added that the compound obtained on acetylation of D-mannose phenylhydrazone under the described conditions is orange-yellow in color.—M. L. WOLFROM.

**Sidney W. Fox and Mary Jane Ward.** The Activity of Modified Proteins as Antigens in Cultures of a Yeast.

Page 2118. In Col. 2, line 18, for "6 × 10<sup>8</sup>" read "6 × 10<sup>6</sup>."—SIDNEY W. FOX.

**Galen W. Ewing and Edgar A. Steck.** Absorption Spectra of Heterocyclic Compounds. I. Quinolinols and Isoquinolinols.

Page 2183. For the wave length scales of Figs. 6 and 7 read, "200, 260, 320, 380," in agreement with Figs. 1 through 4 and others.—G. W. EWING.

**A. E. Newkirk.** The Preparation and Polymerization of Vinyl Fluoride.

Page 2469. In Col. 2, caption of Fig. 2, for "chloride" read "fluoride."—A. E. NEWKIRK.

**Herman Pines and R. C. Wackher.** Isomerization of Alkanes. IV. Deuterium Exchange in the Isomerization of *n*-Butane.

Page 2519. In Table I, Expt. 3 col., fifth entry should be "0.0117" instead of "0.1170." Also, the entry in the next to last line, reading "Average no., etc.," should be 0.0051, 0.0077, 0.1099, 0.0786, 0.1231, 0.0727. In Table II, the items in the next to the last entry should be 0.0044, 0.0067, 0.0047.—HERMAN PINES.

**Howard D. Hartough and Alvin I. Kosak.** Acylation Studies in the Thiophene and Furan Series. I. Iodine and Hydriodic Acid Catalyst.

Page 2640. In Col. 2, in the second line of the Experimental, for "197" read "107."

Page 2641. Col. 1, lines 3 and 4 from the end, should read "over anhydrous sodium sulfate, filtered into a Vigreux-modified Claisen flask and the chloroform removed at." Then in the last line insert "yield 70 g. (76%)" after "m. p. 30–32°, 10."—ALVIN I. KOSAK.