

ERRATA

Volume 58, Number 6, December, 1958

Page 1017 (last paragraph) and *top of page 1018*. Substitute the following for the respective paragraphs and for table 1:

2. Sequestration of metal ions other than calcium

Because of the use of condensed phosphates in water softening, there has been some work on comparing the sequestration of calcium ion with that of magnesium ion. From tests in which the sequestering phosphate is the precipitating agent (15) or soap foams are used as indicators, the chain phosphates appear to be many times more effective in sequestering magnesium than calcium (see table 1). However, if the test is performed with an added precipitant such as sodium oleate (104), only pyrophosphate is more effective in sequestering magnesium as compared to calcium, also shown in table 1.

TABLE 1
Sequestration data from titration to a turbidimetric endpoint

Phosphate	Moles of Metal Ion Sequestered by 100 Moles of P					
	No adjustment of pH and no added precipitant (15)				pH adjusted to 10, and sodium oleate added as a precipitant (104)	
	Mg ⁺⁺	Ca ⁺⁺	Sr ⁺⁺	Ba ⁺⁺	Mg ⁺⁺	Ca ⁺⁺
Pyrophosphate	52	11	3.6	ca. 0	45.4	15.6
Tripolyphosphate	No precipitate	29	32	5.1	32.3	41.0
Tetraphosphate (glass)					18.4	54.2

The large variation in sequestering values obtained with no added precipitant is attributable to differences in the solubilities of the various metal phosphates, as discussed more fully in the next section, and hence is not a valid measure of differences in strength of the soluble complexes formed.

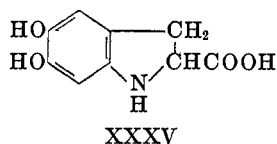
Page 1044, reference 42. The year should be 1954 instead of 1945.

Page 1020. The caption of the last column in table 3 should read "Calcium Value in Moles of Calcium per 100 Moles P in the Presence of 1/10 *M* Anion" instead of "Calcium Value in Milliliters of Calcium per 100 ml. P in the Presence of 1/10 *M* Anion."

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Page 188. In the fourth line from the bottom of the page, reference 188 should be 189.

Page 196. The formula for leucodopachrome should be



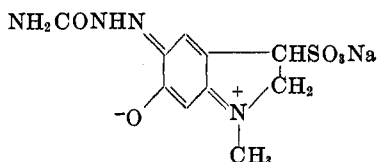
Page 200. In the second line from the bottom of the page, reference 155 should be 157.

Page 204. In the sixteenth line from the top of the page, reference 232 should be 233.

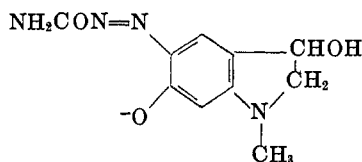
Page 207. In the tenth line from the top of the page, reference 151 should be 153.

Page 218. In the eleventh line from the bottom of the page, reference 102 should be 108.

Page 221. Formula LXXIV should be

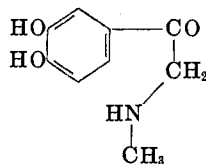


Formula LXXV should be



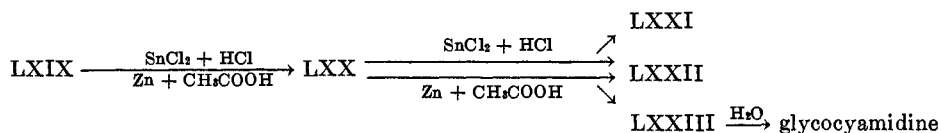
Page 228. In the ninth line from the bottom of the page, reference 188 should be 190.

Page 226. Formula LXXXV should be



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Page 691. The reaction scheme at the bottom of this page should read as follows:



Page 792. Reference 38 should read as follows:

(38) CHAPMAN, N. B., ISAACS, N. S., AND PARKER, R. E.: J. Chem. Soc. 1959, 1925.