

CORRECTIONS

"Perturbations of the Proton Magnetic Resonance Spectra of Conalbumin and Siderophilin as a Result of Binding Ga^{3+} or Fe^{3+} ," by R. C. Woodworth, K. G. Morallee, and R. J. P. Williams, Volume 9, Number 4, February 17, 1970, page 839.

In the legend for Figure 3 the identities of curves b and c and of curves b' and c' are interposed. The legend for Figure 3 should read "Proton magnetic resonance spectra at 220 MHz of the aromatic region of 2.1 mM conalbumin (a), iron conalbumin (b), and gallium conalbumin (c), in 0.15 M KCl –0.01 M NaHCO_3 – CO_2 , D_2O , pD 7.3, 12°. Signal to noise ratios were improved by accumulation of 16–25 scans by a computer of average transients, so amplitudes cannot be quantitatively compared. The respective simulated spectra (a', b', and c') are included for comparison. Note that the baselines have been shifted for the sake of definition. If the baselines of b' and a' are brought into coincidence, the area under b' is seen to be appreciably less than that under a'."

"Calorimetric Investigation of Inhibitor Binding to Rabbit Muscle Aldolase," by Hans J. Hinz, Daniel D. F. Shiao, and Julian M. Sturtevant, Volume 10, Number 8, April 13, 1971, page 1347.

Dr. C. A. Swenson has pointed out to us that the values for ΔG°_B in Table III are actually *per mole of ligand bound*, and that the solid (theoretical) curve in Figure 1 is drawn for $\Delta C_p = 1200 \text{ cal deg}^{-1} \text{ per mole of ligand bound}$. Since this value is about three times as large as the value we observed

for the binding of D-hexitol 1,6-diphosphate, our contention that the anomalous inhibitor binding data of G. M. Lehrer and R. Barker (*Biochemistry* 9, 1533 (1970)) can be entirely accounted for in terms of a reasonable ΔC_p is in error.

The curved Arrhenius plot given by Lehrer and Barker for the specific activity of aldolase can be accounted for on the assumption that $\Delta C_p^\ddagger = -140 \text{ cal deg}^{-1} \text{ per mole of ligand bound}$, a not unreasonable value.

"Interpretation of Protein Titration Curves. Application to Lysozyme," by Charles Tanford and Robert Roxby, Volume 11, Number 11, May 23, 1972, page 2192.

Equation 2 should read

$$W_{ij} = \frac{\epsilon^2 z_i z_j}{b} (A_{ij} - B_{ij}) - \frac{\epsilon^2 z_i z_j}{a} C_{ij}$$

Results are not affected, since the correct equation was used for calculation. We thank Steven J. Shine for drawing our attention to the error.

"Theory of Electrophoresis and Sedimentation for Some Kinetically Controlled Interactions," by John R. Cann and Dale C. Oates, Volume 12, Number 6, March 13, 1973, page 1112.

In the denominator of the second term on the right-hand side of eq 5 change $(x_0)^2$ to $(\Delta x_0)^2$.