

ERRATA

KNOWN ERRORS IN PAPERS

AUTHORED OR CO-AUTHORED BY HAROLD ERICK LAYTON

(UNDER CONSTRUCTION)

H. E. Layton. Energy advantage of counter-current oxygen transfer in fish gills. *Journal of Theoretical Biology* 125: 307-316, 1987.

Page 309, 1st line after Eq. 2: insert word “plasma” after “blood”

Page 309, 3d line after Eq. 2: should read “ were D is the product of the oxygen diffusing capacity of the epithelial membrane and the oxygen solubility coefficient for water (β_w), ...”

Page 310, Figure 2: “ $R = 1.2$ ” should read “ $R = 1.3$ ”; “ $R = 1.3$ ” should read “ $R = 1.5$ ”

Appendix, 1st line after Eq. 2A: “ D ” is the product of the oxygen diffusing capacity and the oxygen solubility coefficient for water.

Appendix, 2d line after Eq. 2A: after the word “membrane” insert “and β_w , the oxygen solubility coefficient of water and blood plasma”

E. Bruce Pitman, H. E. Layton, and Leon C. Moore. Numerical simulation of propagating concentration profiles in renal tubules. *Bulletin of Mathematical Biology*, 56(3): 567–586, 1994.

Equation 9 (page 570) is incorrect and gives erroneous results: however, the alternative formulation given by Equations 10–12 (page 571) is correct. Equation 9 is faulty because Φ_j^n applies to some terms, whereas Φ_j^{n-1} applies to others, as indicated in Equations 10–12.

Anita T. Layton, Thomas L. Pannabecker, William H. Dantzler, and Harold E. Layton. Two modes for concentrating urine in rat inner medulla. *American Journal of Physiology Renal Physiology* 287: F816–F839, October, 2004.

Page F830, Fig. 9, Column B, Panel d. In the label for the horizontal axis, the letter “P” in “Permeability” is missing.

Page F831, Fig. 10, Panel D. The flow should be in units of “nl/min/CD”; for units in terms of “nl/min/nephron,” the quantities on the horizontal axis should be divided by 5.21, the ratio of loops of Henle to collecting ducts (see p. F819).

Page F837, the grant identified as “IBN 981448” should read “IBN-9814448.”
