

LETTERS TO THE EDITOR

Errata: A Molecular Structural Basis for the Excitation Properties of Axons

Dear Sir:

I should like to call attention to, correct, and apologize for, certain copying errors in algebra which were inadvertently permitted to slip through the usual screen of checking the typed manuscript and proofreading of the paper, "A Molecular Structural Basis for the Excitation Properties of Axons," which appear in this Journal (Vol. 4, p. 167, 1964), as follows:

- (1) On page 176, equation (2)

$$\frac{dn_1'}{dt} \text{ should read } \frac{dn_1}{dt}.$$

- (2) On page 176, equations (3)

$$\frac{dn_{III}'}{dt} \text{ should read } \frac{dn_{III}}{dt}.$$

- (3) On page 183, the expression for H , equation (36), should read

$$\frac{(m_1 + m_6)e^{\gamma\theta_1}}{1 + pM} + k_3 + \frac{k_4}{1 + qK_* + q'K'} + \left[m_2 + \frac{m_5}{1 + qK_* + q'K'} \right] e^{-\gamma\theta_1}$$

- (4) On page 183, the expression for L , equation (37) should be divided through by

$$(1 + pM)(1 + qK_* + q'K').$$

- (5) On page 184, paragraph 2, in line 11, the word "except" should read "expect."

- (6) On page 185, in the expressions for a depolarizing step:

$$(a) \frac{dn_K}{dt} \text{ should be } n_T \frac{m_6 e^{\gamma\theta_1}}{1 + pM}$$

$$(b) \frac{dn_N}{dt} \text{ should be } n_T \frac{m_1 e^{\gamma\theta_1}}{1 + pM}.$$

- (c) The expression in line 11 should be

$$e\zeta_K n_T \lambda_K \frac{m_6 e^{(\gamma-\beta)\theta_1}}{1 + pM}$$

- (d) The expression for dn_K/dt during a repolarizing step, should read

$$-n_T \frac{k_3 m_5 e^{-\gamma\theta_1}}{(1 + qK_* + q'K')k_3 + k_4}$$

(e) The expression for dn_n/dt during a repolarizing step should read

$$-n_T \frac{m_2 k_4 e^{-\gamma \theta_1}}{(1 + qK_s + q'K')k_3 + k_4}$$

(f) In the last formula on page 185, the term $(qK_s + q'K')$ should be deleted, from the numerator, and θ_1 should be substituted for θ_m on the right side of the equation.

(6) On page 186, line 9, the word "longer" should read "larger."

(7) On page 188, References, line 3, the word "Elsvieer" should read "Elsevier."

Received for publication, March 19, 1965.

D. E. GOLDMAN
Naval Medical Research Institute
Bethesda, Maryland

Correction of "Local Blood Flow in Human Leg Muscle Measured by a Transient Response Thermoelectric Method"

Dear Sir:

In a paper with the preceding title in this *Journal* (1) the authors presented a method for determining local tissue blood flow, in the belief that this method was original with them. We have been informed that essentially the same method has been previously used by Stow and Schieve (2, 3). We regret having overlooked their fundamental and prior contributions. Our study (1) should be regarded, therefore, as a confirmation in muscle of the basic idea of Stow and Schieve.

Received for publication, April 27, 1965.

REFERENCES

1. PERL, W., and CUCINELL, S. A., Local blood flow in human leg muscle measured by a transient response thermoelectric method, *Biophysic. J.*, 1965, 5, 211.
2. STOW, R. W., and SCHIEVE, J. F., Measurement of blood flow in minute volumes of specific tissues in man, *J. Appl. Physiol.*, 1959, 14, 215.
3. STOW, R. W., and SCHIEVE, J. F., A thermometric method for measuring tissue blood flow, Proceedings of the First National Biophysics Conference, New Haven, Yale University Press, 1957, 461.

WILLIAM PERL
SAMUEL A. CUCINELL
New York University Research Service
Goldwater Memorial Hospital
Welfare Island, New York, New York