ERRATA

In the paper "A Theory of Oscillatory Instability in Two-state Systems in Relation to Nerve Excitation" by Yoji Aizawa and Yonosuke Kobatake, *Bulletin of Mathematical Biology* 38, 1976, 351-358, the following legends to the figures were omitted.

Figure 1. The stability criterion of the resting level. The solid line shows the zero frequency curve, i.e. $4b = (a+c)^2$ and the dotted line shows the instability line, $a = c$. In the region I the damped oscillation is observed, while the growing oscillation takes place in the region II

Figure 2. The stability criterion of the excited level. The solid line shows the zero frequency curve, and the dotted line shows the instability line. In the region I the damped oscillation is obtained, and the growing oscillation takes place in the region II. Parameters are the same as in Figure 1. The variation of parameter k_1 or β from the point P to the point Q follows to equation (12) in text

Figure 3. The action potential with the oscillatory instability just before the flip-back transition. Parameters and initial conditions are taken as follows, $P(0) = 0.3$, $Z(0) = 0.0$, $T_3 = 45$, $\alpha = 0.13$, $T = 10$, $P_c = 0.01$, $k_1(0) = 38.9$, $k_2 = 1.8$, $E_a = 70$ mV, $E_r = -50$ mV, $g_a = 10^{-3}$ mho/cm², and $g_r = 5 \times 10^{-4}$ mho/cm²

Figure 4. The giant fluctuation of the membrane potential in the case where $k_1(0) = 20$, $k_2 = 0.6$, $T_3 = 70$, $\alpha = 0.3$, and $k_3 = 0.15 \times 10^{-2}$. Other parameters and initial conditions are same as in Figure 3

Figure 5. Repetitive firing on the membrane potential. Parameters used are as follows, $k_1 = 10$, $k_2 = 0.99$, $k_3 = 0.2 \times 10^{-2}$, $T = 10$, and $P_c = 0.01$