

Pape, P.C., and N. Carrier.

The Journal of General Physiology. Volume 112, No. 2, August 1998. 161–179.

Page 162.

The first paragraph on this page requires the following correction:

(Eq. 1 predicts that Q_y varies exponentially with voltage when $\bar{V}$ is several k values more negative than V)
should be changed to

(Eq. 1 predicts that Q_y varies exponentially with voltage when V is several k values more negative than $\bar{V}$)

Page 175.

Due to an editorial error, Table III was published without asterisks. The full, correct table appears here:

TABLE III
Intramembranous Charge Movement and Voltage Steepness of Release

(1)	(2)	(3)	(4)	(5)	(6)	(7)	(8)
Fiber	n	Average $[Ca_{SR}]$	Release permeability	$-Q_{OFF}(-45)$ mean (SEM)	$-Q_{OFF}(-20)$ mean (SEM)	$Q_{OFF}(-45) \div Q_{OFF}(-20)$ mean (SEM)	Voltage-steepness factor mean (SEM)
		μM	%/ms	$nC/\mu F$	$nC/\mu F$		mV
$[Ca_{SR}]$ between 1,100 and 1,900 μM							
509971	5	1519	0.0072	19.8 (0.2)	28.2 (0.3)	0.705 (0.005)	3.50 (0.14)
510971	5	1412	0.0232	19.6 (0.7)	27.9 (0.7)	0.704 (0.032)	3.47 (0.06)
513971	3	1415	0.0048	20.0 (1.4)	30.3 (1.6)	0.659 (0.012)	3.50 (0.27)
514972	2	1563	0.0033	19.3 (0.5)	29.8 (0.8)	0.649 (0.0003)	3.44 (0.04)
515971	3	1491	0.0087	20.6 (0.2)	29.3 (0.2)	0.703 (0.002)	2.90 (0.22)
516972	3	1435	0.0395	25.4 (0.0)	34.2 (0.1)	0.742 (0.003)	3.47 (0.08)
724972	3	1526	0.0033	19.0 (0.4)	29.5 (0.2)	0.642 (0.008)	3.74 (0.42)
Mean		1480	0.0129	20.5	29.9	0.686	3.43
SEM				0.8	0.8	0.014	0.10
$[Ca_{SR}]$ near peak of release permeability vs. $[Ca_{SR}]$ curve							
509971	5	277	0.0350	19.6 (0.4)	29.1 (0.6)	0.675 (0.020)	3.09 (0.09)*
510971	5	304	0.1114	19.8 (0.3)	30.0 (0.9)	0.664 (0.024)	3.21 (0.09)*
513971	4	336	0.0268	19.6 (0.7)	28.6 (0.2)	0.684 (0.023)	3.42 (0.31)
514972	4	335	0.0145	20.3 (0.8)	31.0 (0.7)	0.656 (0.021)	2.77 (0.10)*
515971	4	270	0.0861	22.2 (0.4)*	33.8 (1.2)*	0.658 (0.011)*	2.53 (0.14)
516972	5	176	0.3094	24.5 (0.5)	33.8 (0.2)	0.726 (0.014)	3.76 (0.20)
724972	4	293	0.0149	17.2 (0.6)	27.6 (0.4)*	0.603 (0.014)	3.20 (0.18)
Mean		284	0.0855	20.5	30.6	0.667	3.14
SEM				0.9	0.9	0.014	0.15
$[Ca_{SR}]$ at smallest values obtained							
509971	4	96	0.0121	19.7 (0.4)	30.6 (0.7)	0.646 (0.026)	3.62 (0.84)
510971	4	71	0.0270	18.1 (0.8)	28.4 (1.0)	0.638 (0.025)	3.80 (0.27)
513971	3	78	0.0074	19.7 (0.2)	31.9 (0.3)*	0.618 (0.006)	—
514972	2	94	0.0074	20.8 (1.7)	33.7 (0.8)	0.616 (0.036)	—
515971	4	38	0.0271	25.5 (1.3)	42.7 (2.3)*	0.599 (0.013)*	3.61 (0.41)*
516972	4	59	0.0487	25.3 (0.6)	34.6 (0.9)	0.733 (0.030)	3.22 (0.13)
724972	7	77	0.0076	18.3 (0.4)	28.8 (0.6)	0.635 (0.010)	—
Mean		73	0.0196	21.1	33.0	0.641	3.56
SEM				1.2	1.8	0.017	0.12

The three sections of this table give results for points near the plateau level, the maximum, and the minimal levels of the release permeability vs. $[Ca_{SR}]$ curves. Column 1 gives the fiber references. Column 2 gives the number of points used in the determinations of columns 3–8. Column 3 gives the average value of $[Ca_{SR}]$. Column 4 gives the average of the release permeability at -60 mV. Columns 5 and 6 give the means and SEMs of the $-Q_{OFF}$ values for the pulses to -45 and -20 mV, respectively (see Fig. 7). Column 7 gives the mean and SEM of the ratio of the OFF charges at -45 and -20 mV. Column 8 gives the mean and SEM of the e -fold voltage-steepness factor of the release permeability for the pulses between -70 and -60 mV as described for Fig. 8. Asterisks indicate significant difference from the corresponding average value in the previous section of the table (see text for details).