

NUMBER 5, NOVEMBER, 1972

- 499 J. M. RUSSELL and A. M. BROWN. Active transport of chloride by the giant neuron of the *Aplysia* abdominal ganglion
- 519 J. M. RUSSELL and A. M. BROWN. Active transport of potassium by the giant neuron of the *Aplysia* abdominal ganglion
- 534 S. OBARA and M. V. L. BENNETT. Mode of operation of ampullae of Lorenzini of the skate, *Raja*
- 558 HOWARD CEDAR, ERIC R. KANDEL, and JAMES H. SCHWARTZ. Cyclic adenosine monophosphate in the nervous system of *Aplysia californica*. I. Increased synthesis in response to synaptic stimulation
- 570 HOWARD CEDAR and JAMES H. SCHWARTZ. Cyclic adenosine monophosphate in the nervous system of *Aplysia californica*. II. Effect of serotonin and dopamine
- 588 FRANCISCO BEZANILLA and CLAY M. ARMSTRONG. Negative conductance caused by entry of sodium and cesium ions into the potassium channels of squid axons
- 609 JERRY D. GARDNER and THOMAS P. CONLON. The effects of sodium and potassium on ouabain binding by human erythrocytes