

NUMBER 5, MAY, 1974

- 533 CLAY M. ARMSTRONG and FRANCISCO BEZANILLA. Charge movement associated with the opening and closing of the activation gates of the Na channels
- 553 WILLIAM LEHMAN, BELINDA BULLARD, and KATHLEEN HAMMOND. Calcium-dependent myosin from insect flight muscles
- 564 SUSUMU HAGIWARA, JUN FUKUDA, and DOUGLAS C. EATON. Membrane currents carried by Ca, Sr, and Ba in barnacle muscle fiber during voltage clamp
- 579 ROBERT B. BARLOW, JR. and G. DAVID LANGE. A nonlinearity in the inhibitory interactions in the lateral eye of *Limulus*
- 590 ERIK J. OLSON and RALPH J. CAZORT. Investigation of the accompaniment of calcium during active calcium transport from human erythrocyte ghosts
- 601 JOEL D. SCHIFF. Role of the sympathetic innervation of the pacinian corpuscle
- 609 MICHAEL D. MIYAMOTO and BRUCE MCL. BRECKENRIDGE. A cyclic adenosine monophosphate link in the catecholamine enhancement of transmitter release at the neuromuscular junction
- 625 BERT A. MOBLEY, J. LEUNG, and R. S. EISENBERG. Longitudinal impedance of skinned frog muscle fibers