

CONTENTS OF VOLUME 58

NUMBER 1, JULY, 1971

- 1 MARGUERITE BIEDERMAN-THORSON and JOHN THORSON. Dynamics of excitation and inhibition in the light-adapted *Limulus* eye *in situ*
- 20 JAY E. MITTENTHAL and FRANCIS D. CARLSON. Transient phases of the isometric tetanus in frog's striated muscle
- 36 ERWIN NEHER. Two fast transient current components during voltage clamp on snail neurons
- 54 TOSHIO NARAHASHI, EDSON X. ALBUQUERQUE, and TAKEHIKO DEGUCHI. Effects of batrachotoxin on membrane potential and conductance of squid giant axons
- 71 SAUL WINEGRAD. Studies of cardiac muscle with a high permeability to calcium produced by treatment with ethylenediaminetetraacetic acid
- 94 PHILIP B. DUNHAM and JOSEPH F. HOFFMAN. Active cation transport and ouabain binding in high potassium and low potassium red blood cells of sheep