

BIOPHYSICAL JOURNAL

CONTENTS

November 1977 volume 20 number 2

- 137 MONODOMAIN SAMPLES OF DIPALMITOYL PHOSPHATIDYLCHOLINE WITH VARYING CONCENTRATIONS OF WATER AND OTHER INGREDIENTS, *L. Powers and P. S. Pershan*
- 153 AN EXTRAPOLATION METHOD FOR REDUCING EQUILIBRATION TIMES IN SEDIMENTATION EQUILIBRIUM EXPERIMENTS. *John J. Correia, David A. Yphantis, and George H. Weiss*
- 169 HYDRATION OF PHOSPHATIDYLCHOLINE. ADSORPTION ISOTHERM AND PROTON NUCLEAR MAGNETIC RESONANCE STUDIES. *D. A. Wilkinson, H. J. Morowitz, and J. H. Prestegard*
- 181 HUMAN RED CELL HEMOLYSIS RATES IN THE SUBSECOND TO SECONDS RANGE. AN ANALYSIS. *Paul C. Anderson and Rex E. Lovrien*
- 193 PHYSICS OF CHEMORECEPTION. *Howard C. Berg and Edward M. Purcell*
- 221 LIGHT DIFFRACTION STUDIES OF SARCOMERE DYNAMICS IN SINGLE SKELETAL MUSCLE FIBERS. *Paul J. Paolini, Kenneth P. Roos, and Ronald J. Baskin*
- 233 SIDE-CHAIN MOBILITY AND THE CALCULATION OF TYROSYL CIRCULAR DICHROISM OF PROTEINS. IMPLICATIONS OF A TEST WITH INSULIN AND DES-B1-PHENYLALANINE INSULIN. *A. Wollmer, J. Fleischhauer, W. Strassburger, H. Thiele, D. Brandenburg, G. Dodson, and Dan Mercola*
- 245 A DIRECT ANALYSIS OF LAMELLAR X-RAY DIFFRACTION FROM HYDRATED ORIENTED MULTILAYERS OF FULLY FUNCTIONAL SARCOPLASMIC RETICULUM. *L. Herbette, J. Marquardt, A. Scarpa, and J. K. Blasie*

Brief Communications

- 273 THERMAL-STIMULATED PRESSURE AND CURRENT STUDIES OF BOUND WATER IN LYSOZYME. *Sérgio Celaschi and Sérgio Mascarenhas*
- 279 THE REPRESENTATION OF MEMBRANE ADMITTANCE. *M. W. P. Strandberg*