

CONTENTS BIOPHYSICAL JOURNAL

April 1986 volume 49 number 4

- 795 EFFECTS OF CYCLOSPORINE A ON BIOMEMBRANES. VIBRATIONAL SPECTROSCOPIC, CALORIMETRIC, AND HEMOLYSIS STUDIES. *Timothy J. O'Leary, Philip D. Ross, Michael R. Lieber, and Ira W. Levin*
- 803 ION TRANSPORT AND THE VIBRATING PROBE. *Jack Ferrier and William J. Lucas*
- 809 SCANNING FLUORESCENCE CORRELATION SPECTROSCOPY. I. THEORY AND SIMULATION OF AGGREGATION MEASUREMENTS. *N. O. Petersen*
- 817 SCANNING FLUORESCENCE CORRELATION SPECTROSCOPY. II. APPLICATION TO VIRUS GLYCOPROTEIN AGGREGATION. *N. O. Petersen, D. C. Johnson, and M. J. Schlesinger*
- 821 SATURATION TRANSFER ELECTRON PARAMAGNETIC RESONANCE STUDY OF THE MOBILITY OF MYOSIN HEADS IN MYOFIBRILS UNDER CONDITIONS OF PARTIAL DISSOCIATION. *Shin'ichi Ishiwata, Barbara A. Manuck, John C. Seidel, and John Gergely*
- 829 X-RAY DIFFRACTION ANALYSIS OF CYTOCHROME b_5 RECONSTITUTED IN EGG PHOSPHATIDYLCHOLINE VESICLES. *L. M. Rzepecki, P. Strittmatter, and L. G. Herbette*
- 839 ADRENERGIC MODULATION OF THE DELAYED RECTIFIER POTASSIUM CHANNEL IN CALF CARDIAC PURKINJE FIBERS. *Paul Bennett, Leslie McKinney, Ted Begevisich, and Robert S. Kass*
- 849 LATERAL DIFFUSION OF GANGLIOSIDE G_{M1} IN PHOSPHOLIPID BILAYER MEMBRANES. *B. Goins, M. Masserini, B. G. Barisas, and E. Freire*
- 857 A MODEL STUDY OF INTRACELLULAR OXYGEN GRADIENTS IN A MYOGLOBIN-CONTAINING SKELETAL MUSCLE FIBER. *William J. Federspiel*
- 869 PHASE TRANSITIONS IN MONOGLYCERIDE BILAYERS. A LIGHT SCATTERING STUDY. *G. E. Crawford and J. C. Earnshaw*
- 891 PLASTOCYANIN CONFORMATION. AN ANALYSIS OF ITS NEAR ULTRAVIOLET ABSORPTION AND CIRCULAR DICHROIC SPECTRA. *James E. Draheim, George P. Anderson, Josann W. Duane, and Elizabeth L. Gross*
- 901 MOLECULAR COUNTING OF LOW-DENSITY LIPOPROTEIN PARTICLES AS INDIVIDUALS AND SMALL CLUSTERS ON CELL SURFACES. *David Gross and Watt W. Webb*
- 913 A QUANTITATIVE DESCRIPTION OF QX222 BLOCKADE OF SODIUM CHANNELS IN SQUID AXONS. *C. F. Starmer, Jay Z. Yeh, and Joëlle Tanguy*
- 921 METHODOLOGY FOR INCREASED PRECISION IN SATURATION TRANSFER ELECTRON PARAMAGNETIC RESONANCE STUDIES OF ROTATIONAL DYNAMICS. *Thomas C. Squier and David D. Thomas*
- 937 APPLICATIONS OF NEW SATURATION TRANSFER ELECTRON PARAMAGNETIC RESONANCE METHODOLOGY TO THE ROTATIONAL DYNAMICS OF THE CA-ATPASE IN SARCOPLASMIC RETICULUM MEMBRANES. *Thomas C. Squier and David D. Thomas*
- 943 WATER MOLECULE DYNAMICS IN HYDRATED LYSOZYME. A DEUTERON MAGNETIC RESONANCE STUDY. *H. Peemoeller, F. G. Yeomans, D. W. Kydon, and A. R. Sharp.*
- Brief Communications*
- 949 KINETICS OF FORCE REDEVELOPMENT IN ISOLATED INTACT FROG FIBERS IN SOLUTIONS OF VARIED OSMOLARITY. *Jagdish Gulati and Aravind Babu*
- 957 CONDITIONING HYPERPOLARIZATION DELAYS IN SQUID AXON POTASSIUM CHANNELS. *John R. Clay*