

BIOPHYSICAL JOURNAL

CONTENTS

July 1975 volume 15 number 7

AHARON KATCHALSKY

- 633 STRUCTURAL FLUCTUATIONS IN THE STEADY STATE OF MUSCULAR CONTRACTION.
Francis D. Carlson
- 651 ENERGETICS OF ACTIVE TRANSPORT PROCESSES. *A. Essig*
- 667 NETWORK THERMODYNAMICS. AN OVERVIEW. *Alan S. Perelson*
- 687 CROSS-BRIDGE CONFORMATION AS REVEALED BY X-RAY DIFFRACTION STUDIES
OF INSECT FLIGHT MUSCLES WITH ATP ANALOGUES. *R. S. Goody, K. C.
Holmes, H. G. Mannherz, J. Barrington Leigh, and G. Rosenbaum*
- 707 CALCIUM REGULATION OF MUSCLE CONTRACTION. *Andrew G. Szent-Györgyi*
- 725 FUNCTIONAL ORGANIZATION OF MITOTIC MICROTUBULES. PHYSICAL CHEMIS-
TRY OF THE IN VIVO EQUILIBRIUM SYSTEM. *Shinya Inoué, John Fuseler,
Edward D. Salmon, and Gordon W. Ellis*