

BIOPHYSICAL JOURNAL

CONTENTS

February 1969 volume 9 number 2

- 115 DIRECT MEASUREMENT OF POTENTIAL DIFFERENCE ACROSS THE HUMAN RED BLOOD CELL MEMBRANE. *A. W. L. Jay and A. C. Burton*
- 122 EFFECTIVE SPECIFIC ACTIVITY DILUTION IN LABELED DNA OF CULTURED MAMMALIAN CELLS (L5178Y). *H. John Burki and S. Okada*
- 127 THE N-SHAPED CURRENT-POTENTIAL CHARACTERISTIC IN FROG SKIN. I. TIME DEVELOPMENT DURING STEP VOLTAGE CLAMP. *Harvey M. Fishman and Robert I. Macey*
- 140 THE N-SHAPED CURRENT-POTENTIAL CHARACTERISTIC IN FROG SKIN. II. KINETIC BEHAVIOR DURING RAMP VOLTAGE CLAMP. *Harvey M. Fishman and Robert I. Macey*
- 151 THE N-SHAPED CURRENT-POTENTIAL CHARACTERISTIC IN FROG SKIN. III. IONIC DEPENDENCE. *Harvey M. Fishman and Robert I. Macey*
- 163 EXCLUSION OF PROTEIN FROM HIGH POLYMER MEDIA. I. DERIVATION OF PROBABILITY DISTRIBUTION FOR THE NUMBER OF FIBER CENTERS WITHIN ANY SPHERE OF RADIUS r . *Paul W. Chun, J. I. Thornby, and J. G. Saw*
- 173 TRANSPORT PHENOMENA IN ZONAL CENTRIFUGE ROTORS. II. A MATHEMATICAL ANALYSIS OF THE AREAS OF ISODENSITY SURFACES IN REORIENTING GRADIENT SYSTEMS. *H. W. Hsu and N. G. Anderson*
- 189 LEFT VENTRICULAR STRESSES IN THE INTACT HUMAN HEART. *I. Mirsky*
- 209 AN APPROACH TO THE PHYSICAL BASIS OF NEGATIVE CONDUCTANCE IN THE SQUID AXON. *D. Agin*
- 222 THE INTERPRETATION OF LOW-ANGLE X-RAY DATA FROM PLANAR AND CONCENTRIC MULTILAYERED STRUCTURES. THE USE OF ONE-DIMENSIONAL ELECTRON DENSITY STRIP MODELS. *C. R. Worthington*
- 235 FORMULATION OF STATISTICAL EQUATION OF MOTION OF BLOOD. *H. S. Lew*
- 246 CELL GROWTH AND DIVISION. IV. DETERMINATION OF VOLUME GROWTH RATE AND DIVISION PROBABILITY. *E. C. Anderson, G. I. Bell, D. F. Petersen, and R. A. Tobey*
- 265 *Letters to the Editor*
- ON THE PRINCIPLE OF MINIMUM ENTROPY PRODUCTION. *I. W. Richardson*