

BIOPHYSICAL JOURNAL

CONTENTS

September 1969 volume 9 number 9

- 1073 APPLICATION OF ELECTRON DIFFRACTION TO BIOLOGICAL ELECTRON MICROSCOPY. *Robert M. Glaeser and Gareth Thomas*
- 1100 THE EFFECTS OF TIME-VARYING BLOOD FLOW ON DIFFUSIONAL RESISTANCE TO OXYGEN TRANSFER IN THE PULMONARY CAPILLARIES. *Henry J. Graeser, Young G. Kim, and Edward D. Crandall*
- 1115 X-RAYS AND NITROGEN MUSTARD: INDEPENDENT ACTION IN CHINESE HAMSTER CELLS. *K. Sakamoto and M. M. Elkind*
- 1131 TIME-LAPSE CINEMOGRAPHIC STUDIES OF X-IRRADIATED HeLa S3 CELLS II. CELL FUSION. *Camilla Hurwitz and L. J. Tolmach*
- 1144 MACROMOLECULAR FINESTRUCTURE BY DARK FIELD ELECTRON MICROSCOPY. *F. P. Ottensmeyer*
- 1150 NONLINEAR ELECTRICAL EFFECTS IN LIPID BILAYER MEMBRANES I. ION INJECTION. *D. Walz, E. Bamberg, and P. Läuger*
- 1160 NONLINEAR ELECTRICAL EFFECTS IN LIPID BILAYER MEMBRANES II. INTEGRATION OF THE GENERALIZED NERNST-PLANCK EQUATIONS. *B. Neumcke and P. Läuger*
- 1171 SENSITIVITY OF SYNCHRONIZED CHINESE HAMSTER CELLS TO ULTRAVIOLET LIGHT. *Anton Han and Warren K. Sinclair*