

CONTENTS

March 1975 volume 15 number 3

- 181 NEAR-ULTRAVIOLET LIGHT-INDUCED STRAND BREAKS IN DNA PRETREATED WITH THE CARCINOGEN, *N*-ACETOXY-2-ACETYLAMINOFUORENE. *R. A. Deering, W. D. Taylor, and L. R. Burns*
- 191 LIGHT SCATTERING FROM NUCLEATED BIOLOGICAL CELLS. *Richard A. Meyer and Albert Brunsting*
- 205 GEOMETRY OF THE HUMAN ERYTHROCYTE. I. EFFECT OF ALBUMIN ON CELL GEOMETRY. *Alfred W. L. Jay*
- 223 VISCOELASTIC CHARACTERIZATION OF SINGLE-STRANDED DNA FROM *ESCHERICHIA COLI*. *Elliott L. Uhlenhopp and Bruno H. Zimm*
- 233 VISCOELASTIC ANALYSIS OF HIGH MOLECULAR WEIGHT, ALKALI-DENATURED DNA FROM MOUSE 3T3 CELLS. *Elliott L. Uhlenhopp*
- 239 DIPOLE MOMENT, ENTHALPY, AND ENTROPY CHANGES OF HODGKIN-HUXLEY TYPE KINETIC UNITS. *E. Levitan and Y. Palti*
- 253 LIGHT-SCATTERING STUDY OF THE TEMPERATURE DEPENDENCE OF *ESCHERICHIA COLI* MOTILITY. *Gordon Banks, Dale W. Schaefer, and S. S. Alpert*
- 263 ANALYSIS OF FLUORESCENCE DECAY CURVES BY MEANS OF THE LAPLACE TRANSFORMATION. *Ari Gafni, Robert L. Modlin, and Ludwig Brand*
- Brief Communications*
- 281 <sup>45</sup>Ca AND [<sup>14</sup>C]EDTA EFFLUX FROM DIALYZED BARNACLE MUSCLE FIBERS. *F. J. Brinley, Jr. and S. G. Spangler*