Contents

1 Editorial

77 Breast Cancer in an Area of High Parity: São Paulo, Brazil.
Antonio Pedro Mirra, Philip Cole, and Brian MacMahon.

84 Daunorubicin (NSC 82151) in the Treatment of Advanced Childhood Lymphoblastic Leukemia.

91 Lipid Metabolism in Cultured Cells: Growth of Tumor Cells Deficient in Essential Fatty Acids.

98 Partition of Energy Expenditure between Host and Tumor.
S. D. Morrison.

108 Comparison of the Mitochondrial Membrane Proteins in Rat Liver and Hepatomas.
Lillie O. Chang, Carl A. Schnaitman, and Harold P. Morris.

114 Influence of L-Asparaginase on Antibody Production and Growth of Tumors in Allogenic Mice.

122 Prolonged Survival of Male-to-Female Skin Isografts and of Allografts from Normal Mice following Treatment of Recipient or Graft with Sera from Tumor-bearing Mice.
Menachem R. Wexler, Margaret Kripke, and David W. Weiss.

127 Differentiation of Malignant to Benign Cells.
G. Barry Fierce and Carol Wallace.

135 Transport and Accumulation of Triazenoimida- zoles by L1210 Cells.
David Kessel.

140 A Reevaluation of Nuclear and Nucleolar Changes Induced in Vitro by Actinomycin D.
Louis Recher, Letty G. Briggs, and Nikko T. Parry.

152 Formation and Significance of 6-Methylthiopurine Ribonucleotide as a Metabolite of 6-Mercaptopurine.
L. Lee Bennett, Jr., and Paula W. Allan.

159 Nuclear Pockets Associated with the Nucleolus in Normal and Neoplastic Cells.
E. Robert Burns, Bernard L. Soloff, Calvin Hanna, and Donald F. Buxton.

166 The Synergism between Radiation and Estrogen in the Production of Mammary Cancer in the Rat.
Albert Segaloff and William S. Maxfield.

169 The Effect of L-Asparaginase on Mitotic Activity during N-2-Fluorenylacetamide Hepatocarcinogenesis: Subpopulations of Nodular Cells.
Frederick F. Becker and Kenneth M. Klein.

174 Ultrastructural Alterations within Hyperplastic Liver Nodules Induced by Ethionine.
Leonard P. Merkow, Sheldon M. Epstein, Malcolm Slifkin, Emmanuel Farber, and Matias Pardo.

179 Identification of Three-Line Electron Spin Resonance Signal and Its Relationship to Ascites Tumors.

185 Effects of Chemotherapeutic Agents on Normal Mouse Bone Marrow Grown in Vitro.
Clarence H. Brown, III, and Paul P. Carbone.

191 The Effects of 1,3-Bis(2-chloroethyl)-1-nitrosourea on Survival and Cell Progression in Chinese Hamster Cells.
S. C. Barranco and R. M. Humphrey.

196 Differences in Tumor Types and Organ Susceptibility in BALB/c and RF Mice following Dimethylnitrosamine and Diethylnitrosamine.

199 Brief Communication:
Isolation of Enzymatically Active Nuclei from Epithelial Cells of the Trachea.
Joseph M. Smith, Michael B. Sporn, Daniel M. Berkowitz, Tsuyoshi Kakefuda, Emily Callan, and Umberto Saffiotti.

203 Letter to the Editor:
Fixation in Hyperosmotic Solutions as a Possible Aid in Visualizing Virions in Tumor Tissue.
Richard Siegler, Iris Hagmann, and Asher D. Kelman.

206 Announcements.

207 Errata.