Contents

THIS ISSUE CONSISTS OF TWO PARTS. THIS IS PART 1

1105 Chester M. Southam. The Complex Etiology of Cancer

1116 Heinrich Wrba and Hartmut Rabes. The Action of Serum from Partially Hepatectomized Rats on Explants of Liver and Tumors

1121 Edward W. Humphrey. Tumor Growth in Potassium-deficient Mice

1125 Herbert S. Schwartz, S. S. Sternberg, and F. S. Phillips. Pharmacology of Mitomycin C. IV. Effects in Vivo on Nucleic Acid Synthesis; Comparison with Actinomycin D

1137 Vinod C. Shah. Autoradiographic Studies of the Effects of Antibiotics, Amino Acid Analogs, and Nucleases on the Synthesis of DNA in Cultured Mammalian Cells

1148 Thomas L. Dao and Yoshimori Tanaka. Inhibitory Effect of Polynuclear Hydrocarbons and Amphenone Analogs on Induction of Acute Adrenal Necrosis by 7,12-Dimethylbenz[a]anthracene

1153 William J. Steele and Harris Buseh. Studies on Acidic Nuclear Proteins of the Walker Tumor and Liver

1164 Wayne Parrish and Ruth G. Kleinfeld. Maturation of Transplantable Leukemic Cells Cultivated in Vivo in Diffusion Chambers

1169 H. Okano, A. Kunii, and J. Furth. An Electron Microscopic Study of Leukemia Induced in Rats with Gross Virus

1176 William A. Foley and Leonard J. Cole. Inhibition of Urethan Lung Tumor Induction in Mice by Total-Body X-Radiation


1498 Books Received

1499 Announcements

Annual Meeting of The American Association for Cancer Research, Inc.