THIS ISSUE CONSISTS OF TWO PARTS. THIS IS PART 1

1 Acknowledgment to Reviewers

3 Marvin A. Rich, Amaury G. Perez, and Maxwell L. Eidinoff. The Effects of Some Purine Analogos on the Growth of H.Ep. #1 and Chick Embryo Fibroblast Cells

10 William T. Burke. Changes in Hepatic Metabolism Associated with Carcinogenesis or Regeneration in Rat Liver

15 Anthony W. Schrecker, J. A. R. Mead, and Abraham Goldin. Incorporation of Formate-C14 in Normal and Leukemic Mice during Extended Treatment with Amethopterin and 3',5'-Dichloroamethopterin


27 E. P. Anderson and John A. Jacquez. Azaserine Resistance in a Plasma-Cell Neoplasm without Change in Active Transport of the Inhibitor

38 P. Emmelot. Long-Chain Fatty Acids in Rat Hepatoma Homogenates and the Properties of Hepatoma Mitochondria

49 Frank W. Turner, D. Michael Tod, Gerald J. Francis, Brian J. Greenhill, and Cecil M. Couves. The Technic for Isolation-Perfusion of the Rat Hind Limb

53 Louis L. Barich, Jan Schwartz, and Donna Barich. Oral Griseofulvin: A Cocarcinogenic Agent to Methylcholanthrene-induced Cutaneous Tumors

56 John A. Jacquez and James H. Sherman. Enzymatic Degradation of Azaserine

62 Robert E. Madden and Richard A. Malmgren. Quantitative Studies on Circulating Cancer Cells in the Mouse

67 Labe C. Scheinberg, Mark C. Levine, Kunihiko Suzuki, and Robert D. Terry. Induced Host Resistance to a Transplantable Mouse Glioma

73 Thomas S. Argyris and Bertie F. Argyris. Differential Response of Skin Epithelium to Growth-promoting Effects of Subcutaneously Transplanted Tumor

78 Charles Heidelberger, Marilyn E. Baumann, Lois Griesbach, Anne Ghobar, and Therese M. Vaughan. The Carcinogenic Activities of Various Derivatives of Dibenzenzanthracene

84 W. Stübli and P. Loustalot. Electron Microscopy of Transplantable Melanotic and Amelanotic Hamster Melanomas

89 William Antopol and Chrys Chryssanthou. Gamma Globulin Potentiation of Proteus Lipopolysaccharide Effect on Sarcoma 180

94 Alan C. Sartorelli and Barbara A. Booth. Comparative Effects of Amethopterin and 3',5'-Dichloroamethopterin in Sensitive and Resistant Sublines of the Ehrlich Carcinoma

102 Alan C. Sartorelli, Herbert F. Upchurch, and Barbara A. Booth. Effects of Folinic Acid on Amethopterin-induced Inhibition of the Ehrlich Ascites Carcinoma

107 Donald M. Pace and Alice Elliott. Effects of Acetone and Phenol on Established Cell Lines Cultivated in Vitro

113 Nancy C. Bruemmer, James F. Holland, and Paul R. Sheehe. Drug Effects on a Target Metabolic Pathway and on Mouse Tumor Growth: Azauridine and Decarboxylation of Orotic Acid-7-C14

120 Book Briefs

122 Announcements