Contents

THIS ISSUE CONSISTS OF TWO PARTS. THIS IS PART 1.

1267 Dorothy G. Walker and Jane C. Wright. Cytological Alterations in Primary Explant Cultures of Human Neoplasms Exposed to Vincleukoblastine

1273 Richard Siegler and Irena Koprowska. Mechanism of an Ascites Tumor Formation

1278 Richard Siegler and Irena Koprowska. Host Responses to a Transplantable “Ascitic” Tumor

1284 F. Bresciani and F. Auricchio. Subcellular Distribution of Some Metallic Cations in the Early Stages of Liver Carcinogenesis

1290 Kenneth Paigen. The Prediction of Growth-inhibitory Drug Combinations Showing Enhanced Differential Toxicity and Collateral Sensitivity

1297 Daniel Albert and Irving Zeidman. Relation of Glucocorticoid Activity of Steroids to Number of Metastases


1309 Glynn P. Wheeler, Jo Ann Alexander, Ann S. Dodson, and Susan D. Briggs. Searches for Exploitable Biochemical Differences between Normal and Cancer Cells. X. Catabolism of Purines by Regressing Tumors

1319 Esther Fincher Hays and Jeanne Alexander Carr. Oncogenic Properties of Deoxyribonucleic Acid Isolated from Parotid Gland Tumors


1332 V. Nelle Strozier and William L. Nyhan. Effects of Cytoxan on the Proteins of Sensitive and Resistant Strains of the L1210 Leukemia

1336 Makoto Enomoto, Prabhakar Lotlikar, James A. Miller, and Elizabeth C. Miller. Urinary Metabolites of 2-Acetylaminofluorene and Related Compounds in the Rhesus Monkey

1343 Max Berenbom. Studies on the Utilization of the Carbon of p-Dimethylaminobenzene for Rat Liver Nucleic Acid Synthesis

1349 Michael A. Chirigos, George R. Fanning, and Gordon Guroff. Effects of Amino Acids, Analogs, and Certain Other Agents in Relation to Tyrosine Transport in Sarcoma 37 Ascites Cells

1356 Harold T. Shigeura and Charles N. Gordon. Further Studies on the Activity of Hadacidin

1362 Albert Tannenbaum, S. D. Vesselinovitch, Cesare Maltoni, and D. Stryzak Mitchell. Multipotential Carcinogenicity of Urethan in the Sprague-Dawley Rat

1372 Jennie B. Shatton, Andrew J. Donnelly, and Sidney Weinhouse. Metabolism of Neoplastic Tissues. XVI. Glucokinase Activity and Glycogen Levels during Hepatocarcinogenesis by Azo Dyes

1381 James A. Miller, Makoto Enomoto, and Elizabeth C. Miller. The Carcinogenicity of Small Amounts of N-Hydroxy-2-acetylaminofluorene and Its Cupric Chelate in the Rat

1389 Books Received

1390 Announcements

1391 Index to Volume 22