CONTENTS

M. Berenbom, P. I. Chang, H. E. Betz, and R. E. Stowell. Chemical and Enzymatic Changes Associated with Mouse Liver Necrosis in Vitro .................................................. 1

Frederic J. Agate, Jr., William Antopol, Susi Glauach, Fay Agate, and Samuel Graff. The Nonessentiality of the Hypophysis for the Induction of Tumors with 3,4-Benzpyrene ..................... 6

Gustavo Hoecker, Olga Pizarro, Danko Brncic, and Gabriel Gasic. Variation of Virulence of Transplantable Leukemias of Mice on Successive Transfers into Genetically Unrelated Hosts .... 9

Louis J. Bernard, Arthur M. Dutton, and Michael Radakovich. Attempts To Influence Resistance to the Walker Carcinoma 256 by Administration of Thorium Dioxide (Thorotrast) ................. 15

E. C. MacDowell. Mouse Leukemia. XV. Resistance to Spontaneous Cases in Hybrids Induced by Milk .................................................. 19

E. C. MacDowell. Mouse Leukemia. XVI. Spontaneous Cases in Strain C58 Resisted by Milk of Old STOLI Foster Nurses .................................................. 23

Hans Selye. The Effect of Antiphlogistic-corticoid Conditioning (the “A-CC Effect”) upon the Walker Tumor .................................................. 26

Jack D. Davidson and Betty B. Freeman. The Effects of Antitumor Drugs upon P382 Incorporation into Nucleic Acids of Mouse Tumors .................................................. 31

Kanematsu Sugiyura and C. Chester Stock. Studies in a Tumor Spectrum. III. The Effect of Phosphoramides on the Growth of a Variety of Mouse and Rat Tumors .................................................. 38

Renato Baserga and Joseph Baum. Induction of Blood-borne Metastases by Tumor Transplantation in the Tail of Mice .................................................. 52

Abraham Goldin, John M. Venditti, Stewart R. Humphreys, Don Dennis, Nathan Mantel, and Samuel W. Greenhouse. Factors Influencing the Specificity of Action of an Antileukemic Agent (Aminopterin). Multiple Treatment Schedules plus Delayed Administration of Citrovorum Factor .................................................. 57

A. F. Howatson and A. W. Ham. Electron Microscope Study of Sections of Two Rat Liver Tumors .................................................. 62

James Norman Dent, Evelyn L. Gadsden, and Jacob Furth. On the Relation between Thyroid Depression and Pituitary Tumor Induction in Mice .................................................. 70

Announcements .................................................. 76