CONTENTS

Joseph Leighton. Contributions of Tissue Culture Studies to an Understanding of the Biology of Cancer: A Review ................................. 929


Frances L. Haven, William D. Mayer, and W. R. Bloor. Growth Hormone and Tumor Phospholipide Effects on Tumor and Body Growth ........ 948

Ruth G. Kleinfeld. Early Changes in Rat Liver and Kidney Cells Induced by Thioacetamide .... 954

Valy Menkin. Growth-promoting Factor in Exudates, Mechanism of Repair, and Preneoplastic-like Responses .................................................. 963

N. Gengozian and T. Makinodan. Mortality of Mice as Affected by Variation of the X-Ray Dose and Number of Nucleated Rat Bone Marrow Cells Injected ......................... 970

Donald P. Tschudy and Annie Collins. Reduction of δ-Aminolevulinic Acid Dehydrase Activity in the Livers of Tumor-bearing Animals .................. 976

Clarence A. Mills and Marjorie Mills Porter. Tobacco Smoking, Motor Exhaust Fumes, and General Air Pollution in Relation to Lung Cancer Incidence .................................................. 981

Jay S. Roth. The Effect of Feeding 2-Acetylaminofluorene on Ribonuclease Activity in the Serum and Liver Mitochondria of Rats .................. 991

George Weber and Antonio Cantero. Glucose-6-phosphate Utilization in Hepatoma, Regenerating and Newborn Rat Liver, and in the Liver of Fed and Fasted Normal Rats .................................................. 995

Thomas C. Smith and Britta Richterich. Arginase Activity and Nucleic Acid Content in Mammary Adenocarcinoma and Normal Homologous Tissue of C3H Mice ........ 1006

Alex B. Novikoff. A Transplantable Rat Liver Tumor Induced by 4-Dimethylaminoazobenzene 1010

Charles Huggins and Jack D. McCarthy. Regression of Human Metastatic Mammary Cancer Induced by 8-Methylleholanthrene .................................................. 1028

George S. Tarnowski and C. Chester Stock. Effects of Combinations of Azaserine and of 6-Diazo-5-oxo-l-norleucine with Purine Analogs and Other Antimetabolites on the Growth of Two Mouse Mammary Carcinomas .... 1033

Announcements .................................................. 1040

THE OFFICIAL ORGAN OF THE
AMERICAN ASSOCIATION FOR CANCER RESEARCH, INC.
PUBLISHED BY THE UNIVERSITY OF CHICAGO PRESS