CONTENTS

W. C. Hueper. Environmental Cancers: A Review ......................................................... 691
M. I. Armstrong, A. E. Gray, and A. W. Ham. Cultivation of 4-Dimethylaminoazobenzene-in-
duced Rat Liver Tumors in Yolk Sacs of Chick Embryos ........................................... 698
W. F. Dunning and M. R. Curtis. The Incidence of Diethylstilbestrol-induced Cancer in Reciprocal F1 Hybrids Obtained from Crosses between Rats of Inbred Lines That Are Susceptible and Resistant to the Induction of Mammary Cancer by This Agent ......................................................... 702
A. C. Griffin, William E. Davis, Jr., and Marie O. Tifft. The Liver Nucleic Acid Incorporation of Adenine-8-C14 during Azo Dye Carcinogenesis ......................................................... 707
Daniel M. Shapiro. Combination Chemotherapy with 8-Azaguanine and Sex Hormones on a Mouse Mammary Carcinoma ................................................................. 713
Gail Lorenz Miller, Clark E. Brown, Elizabeth Eschelman Miller, and Edward S. Eitel-
man. An Electrophoretic Study on the Origin of the Abnormal Plasma Proteins in Multiple Myeloma ................................................................. 716
A. B. Hargreaves and H. F. Deutsch. The in Vitro Inhibition of Catalase by a Tumor Factor Nancy A. Mizen and Mary L. Petermann. Nuclei from Normal and Leukemic Mouse Spleen.
III. The Desoxypentose-nucleic Acid Content per Nucleus Calculated from Total Cell Counts 727
Irving Zeidman and JoAnne M. Buss. Transpulmonary Passage of Tumor Cell Emboli .............. 731
J. Furth, E. L. Gadsden, and A. C. Upton. Hyperplasia and Cystic Dilatation of Extrahepatic Biliary Tracts in Mice Bearing Grafted Pituitary Growths ............................................. 739
Albert Tannenbaum and Herbert Silverstone. The Genesis and Growth of Tumors. V. Effects of Varying the Level of B Vitamins in the Diet ......................................................... 744
Herbert Silverstone, Robert D. Solomon, and Albert Tannenbaum. Relative Influences of Natural and Semipurified Diets on Tumor Formation in Mice ......................................................... 750
L. R. C. Agnew and W. U. Gardner. The Incidence of Spontaneous Hepatomas in C3H, C3H (Low Milk Factor), and CBA Mice and the Effect of Estrogen and Androgen on the Occurrence of These Tumors in C3H Mice ......................................................... 757
Announcement ........................................... 762
Book Reviews ......................................................... 762

THE OFFICIAL ORGaN OF THE
AMERICAN ASSOCIATION FOR CANCER RESEARCH, INC.

Published by THE UNIVERSITY OF CHICAGO PRESS