CONTENTS

Shields Warren. Carcinogenesis by Radiation: Guest Editorial .......................... 1

G. D. Snell. Incompatibility Reactions to Tumor Homotransplants with Particular Reference to the Role of the Tumor: A Review .............................. 2

Sister Muriel Lippman. The Growth-inhibitory Action of Heparin on the Ehrlich Ascites Tumor in Mice .............................................................. 11


Arthur E. Bogden and Paul Myron Aptekman. Serologic Characterization of an Ethanol-extractable Substance of Rat Neoplasms Related to Natural Hemagglutinins in the Normal Rat ....................... 21

Daniel M. Shapiro, Maurice E. Shils, Ruth A. Fugmann, and Ira M. Friedland. Quantitative Biochemical Differences between Tumor and Host as a Basis for Cancer Chemotherapy. IV. Niacin and 2-Ethylamino-1,3,4-thiadiazole .............................. 29

Helen Harrington, Diana Rauschkolb, and Paul S. Lavik. Effect of Irradiation on in Vivo P32 Incorporation by Four Types of Ascites Tumors ......................................... 34

Helen Harrington and Paul S. Lavik. A Study of Direct and Indirect Effects of Irradiation on P32 Incorporation by Ehrlich Ascites Tumor Cells in Vivo and in Vitro .............................................................. 38

Helen Harrington and Paul S. Lavik. Nucleic Acid Metabolism in Ehrlich Ascites Tumor Cells .................................................................................................. 43

William A. Cassel. Maintenance at Low Temperatures of the Ehrlich Ascites Carcinoma of the Mouse .............................................................. 48

S. D. Vesselinovitch and J. P. W. Gilman. Factors Modifying Experimental Epidermal Carcinogenesis in Mice .............................................................. 52

Saul Kit. The Mechanism of Deoxyribonucleic Acid-Thymine Biosynthesis by Lymphatic Tissues and Tumors .............................................................. 56

F. J. C. Roe. Tumor Initiation in Mouse Skin by Certain Esters of Methanesulfonic Acid .............................................................. 64

R. K. Boutwell, Dorothy Bosch, and H. P. Rusch. On the Role of Croton Oil in Tumor Formation .............................................................. 71

Announcements .............................................................. 76
Cancer Res 1957;17:1-76.