CONTENTS

William S. Beck and William N. Valentine. The Carbohydrate Metabolism of Leukocytes: A Review .................................................. 309
Herbert Mescon, John W. Eiman, and Albert M. Kligman. Fungi in Human Neoplastic Tissue ........................................................................ 318
L. C. Fogg and R. F. Cowing. Effects of Fractionated Doses of X-Radiation on Normal and Tumor Tissue .................................................. 331
D. W. Woolley. Transient Regression of Murine Spontaneous Mammary Tumors with Analogs of Dimethyldiaminobenzene .................. 327
Hugh J. Creech, H. Francis Havas, and Janet Andre. Immunological Properties of Carcinogen-Protein Conjugates Containing 4-Dimethylaminostilbene and Its 2'-Methyl Analog .......................................................... 335
Philippe Shubik and A. C. Ritchie. Epidermal Carcinogenesis in the Mouse Induced by One, Two, or Three Applications of 9,10-Dimethyl-1,2-benzanthracene Followed by Repeated Applications of Croton Oil. A New Hypothesis of the Mechanism of Carcinogenesis .................................................. 343
Harry S. N. Greene. The Heterologous Transplantation of Human Lung Cancer .................................................................................. 347
John L. Wood and Matthew E. Kraynak. A Decrease in Plasma Sulfhydryl Content in the Dog after Intravenous Administration of 3,4-Benzpyrene .................................................................................. 358
John J. Bittner. Assay of Spontaneous and Transplanted Mammary Tumors for the Mammary Tumor Agent ........................................................................ 361
Sidney Weinhouse, Arthur Allen, and Ruth H. Millington. Metabolism of Neoplastic Tissue. V. Fatty Acid Oxidation in Slices of Transplanted Tumors .................................................................................. 367
Mary L. Petermann, Naney A. Mizen, and Mary G. Hamilton. The Macromolecular Particles of Normal and Regenerating Rat Liver .................................................................................. 372
F. Duran-Reynals and P. M. Freire. The Age of the Tumor-bearing Hosts as a Factor Conditioning the Transmissibility of the Rous Sarcoma by Filtrates and Cells .................................................................................. 376
P. M. Freire and F. Duran-Reynals. The Development of Metastases from the Rous Sarcoma in Relation to Some Characteristics of Its Causative Virus .................................................................................. 383
P. M. Freire, Estelle Bryan, and F. Duran-Reynals. Growth and Regression of the Rous Sarcoma as a Function of the Age of the Host .................................................................................. 386
Helene Wallace Toolan. Growth of Human Tumors in Cortisone-treated Laboratory Animals: The Possibility of Obtaining Permanently Transplantable Human Tumors .................................................................................. 389
Announcements .............................................................................................................. 395

THE OFFICIAL ORGAN OF THE
AMERICAN ASSOCIATION FOR CANCER RESEARCH, INC.
Published by THE UNIVERSITY OF CHICAGO PRESS