Contents


2456 Absence of Alkaline Phosphatase in Rat Thymic Lymphoma Induced by Murine Leukemia Virus. Ruth G. Doell and Bonnie J. Mathieson.

2458 Search for Common Antigenicities among Twenty-five Sarcomas Induced by Methylcholanthrene. Miguel Angel Basombrío.

2463 Benzoylated Diethylaminoethyl Cellulose Chromatography of Tumor and Nontumor Transfer RNA. Milton W. Taylor.


2477 Kinetics of 1-β-D-Arabinofuranosylcytosine-induced Chromosome Breaks. William F. Benedict, Natalie Harris, and Myron Karon.

2484 Correlation of Transfer RNA Methylase Activity with Growth and Differentiation in Normal and Neoplastic Tissues. David H. Riddick and Robert C. Gallo.

2493 Control of Multiplication of Uninfected Mouse Embryo Fibroblasts and Mouse Embryo Fibroblasts Converted by Infection with Murine Sarcoma Virus (Harvey). Moshe Koller.


2507 Isolation and Characterization of a Human Fetal α-Globulin from the Sera of Fetuses and a Hepatoma Patient. Shinzo Nishi.


2521 Growth Stimulation of Tissue Culture Cells Derived from Patients with Neuroblastoma. George M. Lyon, Jr.

2532 Effect of a Potent Carcinogen, 4-Nitroquinoline 1-Oxide and Its Reduced Form 4-Hydroxylaminoquinoline 1-Oxide on Bacterial and Bacteriophage Genomes. Nobuto Yamamoto, Shizuo Fukuda, and Hiraku Takebe.

2538 Influence of Tumor-Host Differences at a Single Histocompatibility Locus (H-1) on the Antileukemic Effect of 1,3-Bis(2-chloroethyl)-1-nitrosourea (NSC 409962). E. Bonmassar, G. Cudkowicz, S. Vdalamud, and A. Goldin.


2552 The Significance of Perinatal Age Periods and the Dose of Urethan on the Tumor Profile in the MRC Rat. V. R. Choudari Kommineni, M. Greenblatt, N. Mihailovich, and S. D. Vesselinovitch.

2556 Mechanism of 3-Methylcholanthrene-induced Inhibition of Dimethylnitrosamine Demethylase in Rat Liver. Natarajan Venkatesan, Mary F. Argus, and Joseph C. Arcos.


2568 Local Vascular Changes Induced by the Co-carcinogen, Phorbol Myristate Acetate. A. Janoff, A. Klassen, and W. Troll.
2572 Phase I and Preliminary Phase II Evaluation of Adriamycin (NSC 123127).
Gianni Bonadonna, Silvio Monfardini, Mario De Lena, Franca Fossati-Bellani, and Gianni Beretta.

2583 Susceptibility of Guinea Pigs to Chemical Carcinogens: 7,12-Dimethylbenz(a)anthracene and Urethan.
Bela Toth.

2590 The Refractoriness of the Skin of Hairless Mice to Chemical Carcinogenesis.
Beppino C. Giovanella, Joyce Liegel, and Charles Heidelberger.

2598 In Vitro Cultivation and Antigenicity of Cottontail Rabbit Papilloma Cells Induced by the Shope Papilloma Virus.

2606 Brief Communications:
Spontaneous Development of Mammary Adenocarcinoma following Prolonged Immunosuppression in the Dog.
William L. Joseph, Frank Melewicz, and Donald L. Morton.

2609 Books Received.

2611 Special Announcement:
Annual meeting of the American Association for Cancer Research, Inc.

2611 Errata.

This issue commemorates the establishment of the cocarcinogenesis concept by Murray J. Shear (b. 1899) and Isaac Berenblum (b. 1903).


Dr. Shear was President of the American Association for Cancer Research in 1960–1961; he appears left in an earlier photograph by courtesy of the National Institutes of Health Photographic Research Section. Right, Dr. Berenblum, ca. 1945.