Contents

1923 Fate of Pyruvaldehyde Bis(thiosemicarbazone)-35S in Male and Female Rodents. 
James G. Cappuccino and M. Earl Balis.

1932 Comparison of Metabolism of 131I by Cell- and Organ-cultured Abnormal Human Thyroid Tissues. 
Wellington Hung, Theodore Winship, Keith Bowen, and John C. Houck.

1938 Acid Hydrolase Activity during the Growth, Necrosis, and Regression of the Jensen Sarcoma. 
Ralph F. Kampschmidt and Dan Wells.

H. W. Beams and R. G. Kessel.

1952 Recognition and Evaluation of Lapachol as an Antitumor Agent. 

1955 On the Poor Correlation between the Inhibition by Methotrexate of Dihydrofolate Reductase and of Deoxynucleoside Incorporation into DNA. 
DeWayne Roberts and Isidore Wodinsky.

1963 Characterization of Four Transplantable Mammary Carcinoma Variants in the Rat. 
G. Ueda, S. Takizawa, P. Moy, F. Marolla, and J. Furth.

Hywel Madoc-Jones and William R. Bruce.

1982 Similarity between Leukocyte Cultures from Cancerous and Noncancerous Human Subjects: An Electron Microscopic Study. 
S. Chandra, G. E. Moore, and P. M. Brandt.

1990 Immunoelectrophoretic Analysis of Labeling of Serum Proteins after Administration of the Carcinogen N'-Hydroxy-N-2-fluorenlyacetamide. 
C. Deckers, P. H. Grantham, and J. H. Weisburger.

1995 Characteristics of Mouse Leukemia Cells Resistant to 5-Azacytidine and 5-Aza-2'-deoxyeytidine. 
J. Vesely, A. Chak, and P. Sorm.

2001 The Use of Uterine Vascular Clamping in the Pregnant Rat to Modify the Embryotoxic Effects of Anticancer Drugs. 

2007 Localized Incorporation of Iododeoxyuridine from Polycation-complexed Iododeoxyuridylic Acid into DNA of Several Murine and Hamster Tumors. 
Richard J. Woodman.

2017 Cultivation of Gross Virus-induced Murine Thymic Lymphoma Cells In Vitro. 
David T. Imazawa, Hoda Issa, and Masuyo Nakai.

2027 The Effect of Hydroxyurea on Erythropoiesis, Erythrocyte Survival, and Erythrokinetics in the Rabbit. 
Robert T. Card, J. D. Lee, M. McGrath, and Leslie S. Valberg.

2032 Heterotransplantation of Human Choriocarcinoma in Monkeys. 
John L. Lewis, Jr., Willis E. Brown, Jr., Roy Hertz, Robert C. Davis, and Robert H. Johnson, Jr.

2039 Some Ultrastructural Features of Yoshida Ascites Hepatoma. 
Joseph Locker, Peter J. Goldblatt, and Joseph Leighton.

2051 Transplantable Chondrosarcoma in the Syrian Hamster (Mesocricetus auratus). 
Dee O. N. Taylor.

2056 Effect of Oxamate on Glycolysis and Respiration in Sarcoma 37 Ascites Cells. 
J. C. Elwood.

2061 Inhibition of Mammalian DNA Polymerase by the 5'-Triphosphate of 1-beta-D-Arabinofuranosylcytosine and the 5'-Triphosphate of 9-beta-D-Arabinofuranosyladenine. 
J. J. Furth and Seymour S. Cohen.

2068 Comparative Study of the Thymidine Kinase and Thymidylate Kinase Activities and of the Feedback Inhibition of Thymidine Kinase in Normal and Neoplastic Human Tissue. 
Harry L. Gordon, Thomas J. Bardos, Zdzislaw F. Chmielewicz, and Julian L. Ambrus.

2078 An Electron Microscopic Study of Bowen's Disease. 
Robert L. Olson, Robert Nordquist, and Mark Allen Everett.

2086 Effects of Divalent Cations on K+ Transport in Rat Liver and Morris Hepatoma 5123tc. 
H. Kalant and R. A. Hickie.
2092 The Effect of Glucocorticoids on the Relative Distribution of Aspartate Aminotransferase Isozymes of Morris Hepatoma 5123B. 
Theodore T. Otani and Harold P. Morris.

2098 The Effect of 3-Methylcholanthrene on Rat Trachea in Organ Culture. 
Lalita Palekar, Marvin Kuschner, and Sidney Laski.

2105 A Quantitative Spleen Colony Assay Method for Tumor Cells Induced by Friend Leukemia Virus Infection in Mice. 
Suteera Thomson and Arthur A. Azelrad.

2115 Ultrastructure of Human Chordoma. 

2126 Involvement of the Nucleolus in Viral Synthesis in the Cells of Primary Renal Tumors of Leopard Frogs. 
J. Jacob.

2137 The Extraction of Intracisternal A-Particles from a Mouse Plasma-Cell Tumor. 

2149 Treatment of Artificial Metastases of Methylcholanthrene-induced Rat Sarcomas by Autoimmunization of the Autochthonous Hosts. 
Katsuo Takeda, Yuko Kikuchi, Shinya Yamawaki, Takahiro Ueda, and Takashi Yoshiki.

2155 Observations of Self-induced Mitosis and Autosynchrony in Sarcoma D Cell Networks. 
Clarence D. Cone, Jr.

2162 Brief Communications: 
7,12-Dimethylbenz(a)anthracene-induced Adrenocortical Necrosis and Its Inhibition by Metopirone (SU4885). 
J. W. Jull.

2164 Comparative Incorporation of Tritiated Thymidine and Cytidine into the Mitochondrial and Nuclear DNA and RNA of Two Transplantable Hepatomas (3924A and H-35tc2) and Host Livers. 

2168 Letter to the Editor: 
Arthropod Antineoplastic Agents. 

2170 Book Reviews.

2173 Special Announcement: Annual Meeting of the American Association for Cancer Research, Inc.

2174 Announcements.

2174 Erratum.

2175 Obituary.

Special Announcement: Availability of Reprints of Cover Photographs.

**COVER LEGEND**

Two essential components of cancer research, studies on the natural history of cancer in man and the effects of treatment on the course of the disease, are represented in two classic contributions.

Alexandre von Winiwarter (1848-1916) of Belgium, affiliated with Theodor Billroth’s clinic of surgical pathology in Vienna, examined the end results of his mentor’s surgical experiences. He compiled these data into one of the first statistical reviews of operative results in cancer, especially of patients with mammary and gastric cancer (*Beitrage zur Statistik der Carcinome*, Enke, Stuttgart, 1878).


The photographs of Winiwarter and Greenwood, right and left respectively, were obtained from the New York Academy of Medicine Library, whose assistance is gratefully acknowledged.

Updated version  Access the most recent version of this article at: http://cancerres.aacrjournals.org/content/28/10.citation

E-mail alerts  Sign up to receive free email-alerts related to this article or journal.

Reprints and Subscriptions  To order reprints of this article or to subscribe to the journal, contact the AACR Publications Department at pubs@aacr.org.

Permissions  To request permission to re-use all or part of this article, contact the AACR Publications Department at permissions@aacr.org.