Contents

159 Aerobic Glycolysis, Oxygen Uptake, and Enzyme Activity of the Electron Transport System in Neoplastic and Non-neoplastic Ovarian Tissue Grafted into the Spleen of C57BL Mice.  
Silvio Bruzzone.

166 The Induction of Tumors in the Hybrid Nicotiana glauca × N. langsdorffii Plants by 6-Azauracil and Its Reversal by Uracil and Actinomycin D.  
M. Buiatti.

170 The Influence of Whole-body Exposure to X-rays or Neutrons on the Life Span Distribution of Tumors among Male Rats.  

183 Neoplastic Response of Various Tissues to the Systemic Administration of the 8-Methyl Ether of Xanthurenic Acid.  
George T. Bryan.

186 Distribution of 14C-labeled 8-Methyl Ether of Xanthurenic Acid in the Mouse Following Bladder Luminal, Subcutaneous, and Intraperitoneal Administration under Carcinogenic Conditions.  
George T. Bryan and Carl R. Morris.

192 Actinomycin D: Drug Concentrations and Actions in Mouse Tissues and Tumors.  
Herbert S. Schwartz, J. E. Sodergren, and R. Y. Ambaye.

Warren K. Sinclair.

207 A Hypothesis for the Natural Time History of Breast Cancer.  
Marvin Zelen.

217 Morphology, Natural History, and Enzyme Patterns in Mammary Tumors of the Rat Induced by 7,12-Dimethylbenz(a)anthracene.  
Francis L. Archer and Robert A. Orlando.

225 Ribonuclease Activity of Ribonucleoprotein Particles Isolated from Livers of Rats Fed 4-Dimethylaminoazobenzene, Primary Liver Tumors, and Novikoff Hepatoma.  
D. J. S. Arora and G. de Lamirande.

228 Histochemical Changes during Rejection of C3H Ascites Tumor BPS in C57BL Mice.  
W. H. Prioleau, Jr., P. Hutchin, and D. B. Amos.

234 The Carcinogenicity of the o-Methoxy Derivatives of N-2-Fluorenylacetamide and of Related Compounds in the Rat.  

245 Prevention of Therapeutically Induced Regression of Sarcoma 180 by Immunologic Enhancement.  
J. F. Ferrer and E. Mihich.

251 Adrenal Neoplasms in Slaughtered Cattle.  
Betty J. Wright and Gabel H. Conner.

264 Effects on Hepatic Microsomal N- and C-oxygenation of Aromatic Amines by in Vivo Corticosteroid or Aminofluorene Treatment, Diet, or Stress.  
Erik Arrhenius.

274 A Clinical Evaluation of Dose and Schedule of Administration of Cytosine Arabinoside (NSC 53878).  
Philip J. Burke, Arthur A. Serpick, Paul P. Carbone, and Norman Tarr.

280 Base Compositions of RNA of Nuclear Fractions Obtained by Sequential Extraction with Saline Solutions.  

286 Patterns of Three-dimensional Growth in Vitro in Collagen-coated Cellulose Sponge: Carcinomas and Embryonic Tissues.  
Joseph Leighton, Raymond Mark, and Gerald Justh.

297 Effect of Cortisol on Rauscher Virus Infection.  
Isadore Brodsky, Evelyn M. Ross, S. Benham Kahn, and Shirley D. Braverman.

304 Studies on the Kinetics of Marrow Regeneration after Local Irradiation of the Femur in Rabbits.  
David K. Murdock, Gale R. Ramsby, Morton M. Kligerman and Paul Calabresi.

309 Tumors Developing in Oophorectomized Sprague-Dawley Rats after a Single Gastric Instillation of 7,12-Dimethylbenz(a)anthracene.  
R. Heiman, J.-C. Heuason, and A. Coune.

314 The Retention or Efflux of Phthalanilide (NSC 60339)-Lipid Complexes by Sensitive or Resistant Murine Tumor Cells and Escherichia coli B.  
D. W. Yesair and Carmen HoFook.
Suppression of Cellular Activity in the Reticuloendothelial System of the Rat by 7,12-Dimethylbenz(a)-anthracene.
Madison J. Cawein and Katherine L. Sydnor.

Selective Retention of Estrogen Isomers in Estrogen-dependent Breast Tumors of Rats Demonstrated by in Vitro Methods.
Lars Terenius.

Cellular Antigen of Friend Virus-induced Leukemias.
Richard A. Steeves.

Antitumor Activity and Some Pharmacologic Properties of Anthramycin Methyl Ether.

Heterogeneity of Induced Testicular Interstitial Cell Tumors of Mice as Evidenced by Steroid Biosynthetic Enzyme Activities.
Oscar V. Dominguez and Robert A. Huseby.

Effects of 4,4'-Diacetyl-diphenyl-urea-bis(guanylhydrazone) on Leukemia L1210.
E. Mihich and A. I. Mulhern.

Differential Response of Friend Leukemia Virus and Lactate Dehydrogenase Virus to Chemotherapy and in Vitro Neutralization.
P. S. Ebert, M. A. Chirigos, and P. A. Ellsworth.


A Qualitative Study of Normal Leukocyte Antigens of Human Leukemic Leukoblasts.
F. M. Kourilsky, J. Dausset, and J. Bernard.

The Syndrome of Inappropriate Secretion of Anti-diuretic Hormone: A Case Report and Characterization of an Antidiuretic Hormone-like Material Isolated from an Oat Cell Carcinoma of the Lung.
H. S. Lipscomb, C. Wilson, K. Retiene, F. Matsen, and D. N. Ward.

Brief Communications:

Effects of Dietary Fat on the Uptake and Clearance of 7,12-Dimethylbenz(a)anthracene by Rat Mammary Tissue.

Effect of Unilateral Orchiectomy on Induction of Interstitial Cell Tumors in BALB/e Mice.
Harry Y. Canter and Michael B. Shimkin.

Book Reviews.

Books Received.

Announcements.

Erratum.

COVER LEGEND


The photograph of Kennaway is republished from an appreciation by I. Hieger (J. Path. Bacteriol., 78: 593-606, 1959). An illustration of pitch and several isolated fractions, showing their fluorescence spectra in comparison with the spectrum of synthetic 3,4-benzpyrene, is reproduced from a review by Hieger [The Fluorescence Spectrum of 3,4-benzpyrene. Am. J. Cancer, 29: 705-714, 1937 (p. 713)].
Cancer Research

28 (2)


Updated version  Access the most recent version of this article at:
http://cancerres.aacrjournals.org/content/28/2.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.