Contents

   George Klein.

636 Transfer and Polymerization of Amino Acids from Aminoacyl Ribonucleic Acids with a Tumor Ribosomal System.
   A. Clark Griffin, Barbara H. Holland, and Dianne L. Darre.

642 The in Vivo Binding of β-Propiolactone to Mouse Skin DNA, RNA, and Protein.

653 The Binding of β-Propiolactone and Some Related Alkylating Agents to DNA, RNA, and Protein of Mouse Skin; Relation between Tumor-initiating Power of Alkylating Agents and Their Binding to DNA.

661 Inhibition of Thymidylate Kinase and DNA Polymerase by the Periodate Oxidation Product of β-D-Ribosyl-6-methylthiopurine.

666 The Utilization of Tryptophan and Its Metabolites for Pyridine Nucleotide Synthesis in Tumors and Host Liver.
   J. W. D. McDonald, Flora J. Rathbun, and H. B. Stewart.

672 32P Nucleotide Composition of Nuclear and Nucleolar RNA of Morris Hepatomas.
   Harris Busch, James L. Hodnett, Harold P. Morris, Rajat Neogy, Karel Smetana, and Tadao Unuma.

684 Virus Particles in Renal Tumors Obtained from Spring Rana pipiens of Known Geographic Origin.
   Robert Gilmore McKinnell and Joseph Zambernard.

689 Transport of Methotrexate by the Choroid Plexus.
   Robert Rubin, Ernest Owens, and David Rall.

695 Human Cervical Intraepithelial Neoplasia: Fine Structure of Dysplasia and Carcinoma in Situ.
   Hugh M. Singleton, Ralph M. Richart, Joseph Wiener, and David Spiro.

707 The Specificity of Antilymphocyte Sera to Thymic, Splenic, and Leukemic Lymphocytes.
   Rokuro Asakuma and Arnold E. Reif.

716 Experimental Transmission of Canine Malignant Lymphoma to the Beagle Neonate.

724 The Mitotic Cycle of Sarcoma 180.

   Bela Toth.

739 Precursor Cytogenetic Changes of Transplantable Thyroid Carcinoma in Iodine-deficient Goiters.
   Abdul Al-Saadi.

746 Effect of Protein Hydrolysate Administration on Liver Composition.
   W. C. Alston and R. Y. Thomson.

753 Growth and Maintenance of the Canine Venereal Tumor in Continuous Culture.

758 Studies on the Mode of Action of the Copper(II)Chelate of 2-Keto-3-ethoxybutyraldehyde-bis(thiosemicarbazone).
   B. K. Bhuyan and T. Betz.

764 The Role of the Adrenal in Toxicity in Rats Caused by Dimethylbenzanthracene.
   Charles Harris.

770 Sequential Morphologic Changes in Aflatoxin B1 Carcinogenesis in the Rat.
   Paul M. Newberne and Gerard N. Wogan.

782 Immunosuppressive and Antitumor Activity of the Periodate Oxidation Product of β-D-Ribosyl-6-methylthiopurine.

788 Development of Murine Leukemia after Inoculation of Human Lymphomas.

793 Metabolism of 1-β-D-Arabinofuranosylcytosine in Leukemia L1210: Studies with Intact Cells.
   Anthony W. Schrecker and Mara J. Urshel.
Brief Communication:

Antitumor Effect and Mode of Action of 1-O-β-D-Arabinofuranosylcytosine 5'-Phosphate in Leukemia L1210.

Anthony W. Schrecker and Abraham Goldin.

Book Reviews.

Announcements.

Obituary

Special Announcement: Availability of Reprints of Cover Photographs

COVER LEGEND

Ludwig Rehn (1849–1919), a surgeon of Frankfurt-am-Main, Germany, in 1895, published a report on the occurrence of papilloma and carcinoma of the bladder in workers engaged in the manufacture of fuchsin (Blasengeschwülste bei Fuchsin-Arbeitern. Arch. Klin. Chir., 50: 588–600, 1895). The “aniline tumors” were the result of occupational exposures to an environment, the coal tar industry, presenting carcinogenic hazards. This finding was soon confirmed in other German sources and in sources from other countries (O. Leichtenstern, Ueber Harnblasenentzündung und Harnblasengeschwülst bei Arbeitern in Farbfabriken. Deut. Med. Wochschr., 24: 709–713, 1898).


The photograph of Rehn (left) is taken from a Festschrift presented to him on the occasion of his 25th Jubilee as Director of the Surgical Clinic at Frankfurt-am-Main, appearing in Beitr. Klin. Chir., 74: 1911 (frontispiece).

Updated version Access the most recent version of this article at:
http://cancerres.aacrjournals.org/content/28/4.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.