Contents


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. N. H. Colburn and R. K. Boutwell.

661 Inhibition of Thymidylate Kinase and DNA Polymerase by the Periodate Oxidation Product of β-o-Ribosyl-6-methylthiopurine. A. P. Kimball, M. J. Wilson, J. P. Bell, and G. A. LePage.

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.


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.


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


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.


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


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 Harnblasengeschwüste bei Arbeiten in Farbfabriken. Deut. Med. Wochschr., 54: 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).