Contents

921 Effect of Crystalline Ricin on the Biosynthesis of Protein, RNA, and DNA in Experimental Tumor Cells.

925 Immune Cytolysis in Relation to the Growth Cycle of Chinese Hamster Cells.
William U. Shipley.

930 The Occurrence of a Serum Fetal α₁ Protein in Developing Mice and Murine Hepatomas and Teratomas.
Brenda Kahan and Lawrence Levine.

937 Inhibition of Growth of Ehrlich Ascites Tumors in ICR/Ha Swiss Mice by Isocyanates.

942 L-Asparaginase in the Treatment of Neoplastic Diseases in Children.

950 Antitumor and Antimitotic Properties of cis-Dichloro(dipyridine)platinum(II).
Glen R. Gale, Jerry A. Howle, and Ernest M. Walker, Jr.

953 A Transmissible Feline Fibrosarcoma of Viral Origin.

957 Test for Carcinogenic Activity of Benzoquinones in Long-Evans Rats.
M. B. Shimkin, M. Gruenstein, and D. R. Meranze.

960 Promotion of Aflatoxin-induced Hepatoma Growth in Trout by Methyl Malvalate and Sterculate.
D. J. Lee, J. H. Wales, and R. O. Sinnhuber.

964 Urinary and Biliary Excretion of the 2,4-Diaminoquinazoline Antifolate, Methasquin, in Rats and Dogs.
Jeanne I. Rader, Dorris J. Hutchison, Jane E. Sodergren, Pedro Vidal, and Frederick S. Philips.

970 Rapid Detection of Mutagens and Carcinogens.
Eve E. Slater, Marvin D. Anderson, and Herbert S. Rosenkranz.

974 The Influence of Age on Chronic Remittent Friend Disease.
Peter J. Dawson and A. Howard Fieldsteel.

981 Occurrence of Antibodies to the T Antigen of Chicken Embryo Lethal Orphan Virus.

985 Rate-limiting Steps in the Interconversion of Purine Ribonucleotides in Ehrlich Ascites Tumor Cells in Vitro.
G. W. Crabtree and J. Frank Henderson.

992 Effects of Bleomycin on Nuclear DNA in Transplantable VX-2 Carcinoma of Rabbit.
Masaaki Nagatsu, Takashi Okagaki, Ralph M. Richart, and Adrian Lambert.

997 Demonstration and Identification of Cytotoxic Antibodies and Antibodies Blocking the Cell-mediated Antitumor Immunity against Adenovirus Type 12-induced Tumors.
Jaro Ankerst.

1004 Dihydouracil Dehydrogenase Activity in Normal, Differentiating, and Regenerating Liver and in Hepatomas.

1010 Isolation of a Non-focus-forming Agent from Strain MC29 Avian Leukosis Virus.

1019 Morphological Studies on Herpesvirus saimiri in Subhuman and Human Cell Cultures.
Ursula Heine, Dharam V. Ablashi, and Gary R. Armstrong.

1030 Correlation of Nucleolini with Fine Structural Nucleolar Constituents of Cultured Normal and Neoplastic Cells.
Robert Love and Ramon Z. Soriano.

1038 Loss of a Normal Colonic Membrane Antigen in Human Cancers of the Colon.
Pierre Burtin, Sabine von Kleist, and Marie-Claude Sabine.
The concept of metastases is a 19th century arrival to the field of oncology. Its early acceptance was hindered because of prevailing beliefs on the constitutional origins of neoplastic diseases. This issue commemorates two pioneer students of cancer metastases and localization.

Joseph Claude Anselme Récamier (1774-1852), a Parisian internist, first applied the term metastasis in a cancer case report of 1829. Récamier described a secondary deposit in the brain resulting from a primary carcinoma of the breast, as follows: "The case of M. Parent leads to the admission of cancer metastases: here a spontaneous eruption of carcinoma is succeeded by an identical eruption at another site" (J. C. A. Récamier, Recherches sur le traitement du cancer, par la compression méthodique simple ou combinée, et sur l'histoire générale de la même maladie (2 volumes), Vol. 2, p. 110. Paris: Gabon, 1829).


Sir James Paget (1841-1899), famed surgeon of London's St. Bartholomew's Hospital, is remembered eponymously for his description of chronic disorders of the mammary areola preceding cancer of the mammary glands (Paget's disease). As early as 1853, Paget advanced the view that cancer often erupted locally and only later resulted in such widespread occurrence as to give the appearance of a constitutional character. In this connection, he coined a term now used in another context: "Do they [species and varieties of cancer] imply so many essentially and originally different morbid materials? or is there one material for cancer, one carcinogen, which, like an organic radical, may form different yet closely allied compounds, in its combinations with the various substances provided by different bloods, or different parts?" (J. Paget, Lectures on Surgical Pathology, delivered at the Royal College of Surgeons of England (2 volumes), Vol. 2, p. 590. London: Longman, Brown, Green, and Longman, 1853).

Récamier (right) is shown in a lithograph, circa 1840, by Alphonse Farcy, obtained from the National Library of Medicine. The portrait of Paget (left), circa 1867, by George Richmond, is by courtesy of the College of Physicians and Surgeons of Philadelphia.