Contents

1 Expression of Various Tumor-specific Antigens in Polyoma Virus-induced Tumors.

7 DNA Synthesis in Morris Hepatoma 9618A and in Host Liver following Partial Hepatectomy in Rats Adapted to Controlled Feeding Schedules.

11 Dimensions of Humoral Recognition Factor Depletion in Carcinomatous Patients.

16 Comparative Effect of Mycobacterium bovis- and Neuraminidase-treated Tumor Cells on the Growth of Established Methylcholanthrene Fibrosarcomas in Syngeneic Mice.
   Angelyn Rios and Richard L. Simmons.

22 Interaction of 1-(2-Chloroethyl)-3-cyclohexyl-1-nitrosourea (NSC 79037) with Nucleic Acids and Proteins in Vivo and in Vitro.

28 Respiratory Tract Tumors in Hamsters after Intratracheal Instillations of Benzo(a)pyrene Alone and with Furfural.
   Victor J. Feron.

37 Protein Methylases in Hepatomas.
   Woon Ki Paik, Hyang Woo Lee, and Harold P. Morris.

41 Erythropoietic Responses of Mice to Infection with Rauscher Leukemia Virus.
   Paul S. Ebert, Nancy E. Maestri, and Michael A. Chirigos.

48 Growth Hormone-secreting Variants of a Mammatropic Tumor.
   Akihiro Ito, Jacob Furth, and Peggy Moy.

57 The Developmental, Nodulogenic, and Tumorigenic Potentials of Transplanted Mammary Glands and Primary Ducts from C3H Mice Previously Fed a Phenylalanine-deficient Diet.
   Y. H. Hui, K. B. DeOme, and G. M. Briggs.

61 Glycogen Metabolism in Regenerating Liver and Liver Neoplasms.
   M. A. Lea, P. Murphy, and H. P. Morris.

67 Purification and Properties of Deoxynthymidine Kinases from the Yoshida Sarcoma.
   Takaki Hashimoto, Teruo Arima, Hiromichi Okuda, and Setsuro Fujii.
June L. Biedler, Alberta M. Albrecht, Dorris J. Hutchison, and Barbara A. Spengler.

Localization of α-Fetoprotein in Hepatoma Tissues by Immunofluorescence.


Distribution of Radioactive and Nonradioactive

COVER LEGEND

Dr. Harold L. Stewart (b. 1899), former Chief of the Laboratory of Pathology of the National Cancer Institute, and Dr. Thelma Brumfield Dunn (b. 1900), of the same laboratory, for three decades have been outstanding authorities and sources of knowledge concerning spontaneous and induced neoplasms in laboratory mice, experimental tumorigenesis, and comparative pathology.


Stewart and Dunn have been strongly influential in national and international organizations of pathology and cancer research. Both are former presidents of the American Association for Cancer Research (Stewart, 1958–1959; Dunn, 1961–1962). Since their retirement in 1969, they have been organizing a Registry of Experimental Cancers, which will become a reference collection of neoplasms in laboratory animals.

The cover photograph shows the two investigators in Dr. Stewart’s office at the National Cancer Institute where for 17 years open house was held each day at lunch. The meal itself became a tradition in frugality, but the intellectual fare, i.e., the stimulating discussions of ideas, observations, and experimental designs, as well as the sparkle of the host’s and hostess’ wit, were sufficient to lure visiting colleagues from laboratories everywhere. Over the years, retentive habitues of the luncheon sessions have acquired a liberal education in the sciences and the humanities. Stewart and Dunn have long been “pater-mater” to the family of cancer researchers and pathologists around the globe.