Asterisks preceding the title refer to studies in humans.

441 Effect of Fast-growing Transplantable Hepatoma on Cell Proliferation in Host Tissue of the Mouse.
   William W. Morgan and Ivan L. Cameron.

449 Isozyme Patterns of Branched-Chain Amino Acid Transaminase in Cultured Rat Hepatocytes.
   Koichi Ogawa, Akira Ichihara, Hiroshi Masuji, and Jiro Sato.


458 Preferential Effect of Dichlorvos (Vapona) on Bacteria Deficient in DNA Polymerase.
   Herbert S. Rosenkranz.

460 Rapid Uptake of Dietary Cholesterol by Hyperplastic Liver Nodules and Primary Hepatomas.
   Brian J. Horton, Glen E. Mott, Henry C. Pitot, and Stanley Goldfarb.

465 Studies with 8-Azainosine, a Cytotoxic Nucleoside with Antitumor Activity.
   L. Lee Bennett, Jr., Margaret H. Vail, Paula W. Allan, and W. R. Laster, Jr.

472 Immunoprophylaxis of Methylcholanthrene-induced Tumors in Mice with Bacillus Calmette-Guérin and Methanol-extracted Residue.

478 In Vitro Demonstration of Tumor-specific Common Antigens and Embryonal Antigens in Murine Fibrosarcomas Induced by 7,12-Dimethylbenz(a)anthracene.
   Sylvie Ménard, Maria I. Colnaghi, and Giuseppe Della Porta.

482 Transport and Metabolism of Glucosamine by Cultured Novikoff Rat Hepatoma Cells and Effects on Nucleotide Pools.
   Peter G. W. Plagemann and John Erbe.

493 Influence of Tumor Antigen on Maintenance versus Depression of Tumor-specific Immunity.
   Jan Vaage.

504 * The Surface Ultrastructure of Normal and Metaplastic Cervical Epithelia and of Carcinoma in Situ.
   Anthony E. Williams, Joseph A. Jordan, Josepine M. Allen, and John F. Murphy.

514 Effects of Aflatoxin B1 on the Formation of Subribosomal Particles in Rat Liver.
   Yvonne Moulé.

521 Enhancement of the Antiproliferative Action of 1-β-D-Arabinofuranosylcytosine by Methotrexate in Murine Leukemic Cells (L5178Y).
   Marvin L. Hoovis and Ming Y. Chu.

526 Control of Food Intake during Growth of a Walker 256 Carcinosarcoma.
   S. D. Morrison.

529 Chemically Induced Binding of the Hepatocarcinogen N-Monomethyl-4-aminoazobenzene to Nucleic Acids in Vitro.
   Jen-Kun Lin and Kam-Fook Fok.

536 Chemical Carcinogenesis in Transposed Intestinal Segments.

542 Multiple Effects of Dexamethasone on Protein Synthesis and Hyperplasia Caused by a Tumor Promoter.
   John D. Scribner and Thomas J. Slaga.

547 Immunity to Viral Leukemia in Rats and the Routes of Transmission from Mother to Offspring.
   Harry L. Ioachim, Steven E. Keller, Martin L. Gimovsky, and Sue Shepherd.

551 Tumor-specific Transplantation Antigens in Reticulum Cell Sarcomas and Lymphomas Induced by the Friend Virus Complex.
   A. Howard Fieldsteel, Peter J. Dawson, and Carole Kurahara.

559 * Estimation of the Association Constant of the Estrogen-Receptor Complex in Human Breast Cancer.
   Roland Hähnel and Ella Twaddle.

567 In Vivo Effects of Proteases on the Cell Surface Architecture and Cell Proliferation in the Liver.
   Kiyotaka Yamamoto, Saburo Omata, Takayuki Ohnishi, and Hiroshi Terayama.

573 Reduction of Leukemia Incidence following Splenectomy in the Rat.
   William C. Moloney and Vincent P. King.

575 The Metabolism of the Naturally Occurring Hepatocarcinogen Safrole to 1'-Hydroxy safrole and the Electrophilic Reactivity to 1'-Acetoxy safrole.
   Peter Borchert, Peter G. Wislocki, James A. Miller, and Elizabeth C. Miller.
590 1'-Hydroxysafrole, a Proximate Carcinogenic Metabolite of Safrole in the Rat and Mouse. Peter Borchert, James A. Miller, Elizabeth C. Miller, and Thomas K. Shires.


606 Carcinoma after Malignant Conversion in Vitro of Epithelial-like Cells from Rat Liver following Exposure to Chemical Carcinogens. G. M. Williams, J. M. Elliott, and J. H. Weisburger.

613 Early Appearance of Serum α-Fetoprotein as a Function of Dosage of Various Hepatocarcinogens. Robert Kroes, Gary M. Williams, and John H. Weisburger.


623 Spontaneous Epidermal Tumor in an Adult Newt, Cynops pyrrhogaster. Susan V. Bryant.


630 Announcements.

632 Erratum.

COVER LEGEND

Research institutions in Japan have the charming custom of holding memorial services for their experimental animals. Services are usually held in the auditorium or lecture hall, during the spring and autumn equinox. The equinoxes are national holidays and in Buddhism are devoted to memorial services of various kinds. Some organizations have set up a monument to the spirit of experimental animals, and the ceremony is held before the monument. Illustrated is the monument to experimental animals at the Hikari Plant of the Takeda Research Laboratories. On the monument is written “Born as animals, they have offered their body for revelation of medical science. A memorial is here set up to honor their souls.” This memorial was written by Hon. Saeki, the chief priest of Hōryuji Temple in Nara.

The ceremony, also pictured, is usually conducted by a Buddhist priest according to usual Buddhist rites, with chanting of Sutra and burning of incense. This is followed by burning of incense by all present. The ceremony is attended by all members of the organization.

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