LETTERS


EDITORIAL

Barriers to Innovation

ARTICLES

The Close-Packed-Spheron Theory and Nuclear Fission: L. Pauling

Close packing of spherons provides a simple explanation of nuclear properties, including asymmetric fission.

Galactose Metabolism and Cell “Sociology”: H. M. Kalckar

Galactose, one of the freaks of evolution, furnishes a simple illustration of the extravagances of nature.

Changes in Scientific Activities with Age: A. Roe

The life of an established scientist changes little over the years—unless he goes into administration.

Rules for Referees: B. K. Forscher

The duties of the editorial referee are examined, to establish efficient and uniform practices.

NEWS AND COMMENT

Earthquake Prediction: 10-Year Plan Proposed—Heart Disease, Cancer, Stroke: President Signs the Bill

BOOK REVIEWS


REPORTS

Microorganisms from the Late Precambrian of Central Australia: E. S. Barghoorn and J. W. Schopf
Hydrogen Emission Line n_{110}→n_{100}: Detection at 5009 Megahertz in Galactic H II Regions: B. Högland and P. G. Mezger

Visual Contours in Homogeneous Space: T. Shipley

Constitution, Viability, and Lactate Dehydrogenase in Stationary-Phase L-Cell Suspension Cultures: A. D. Glinos, R. J. Werlein, N. M. Papadopoulos

Cellular Origin of Hyaluronateprotein in the Human Synovial Membrane: S. Blau et al.

Wasting Disease Induced with Cortisol Acetate: Studies in Germ-Free Mice: N. D. Reed and J. W. Jutila


Synaptic Connections of the Centrifugal Fibers in the Pigeon Retina: H. R. Maturana and S. Frenk

Macroglobulin-Producing Plasma-Cell Tumor in Mice: Identification of a New Light Chain: K. R. McIntire et al.

Lymphocytic-Choriomeningitis Virus in Hamster Tumor: Spread to Hamsters and Humans: A. M. Lewis, Jr., et al.

Rabbit Muscle Lactate Dehydrogenase 5: A Regulatory Enzyme: P. J. Fritz

Extrasensory Electroencephalographic Induction between Identical Twins: T. D. Duane and T. Behrendt


MEETINGS
Luminescence Dosimetry: C. J. Karzmark, F. H. Attix, C. L. Wingate;
Forthcoming Events

DEPARTMENTS
New Products

COVER
Fibroepithelial papilloma, a benign skin tumor that resembles a wart. This tumor is believed to be congenital in origin (X 18). From Illustrated Tumor Nomenclature, see page 336. [Armed Forces Institute of Pathology, Washington, D.C.]