Alpha-Recoil Thorium-234: Dissolution into Water and the Uranium-234/Uranium-238 Disequilibrium in Nature: K. Kigoshi

Phenylmercuric Acetate: Metabolic Conversion by Microorganisms: F. Matsumura, Y. Gotoh, G. M. Boush

1,25-Dihydroxycholecalciferol: Identification of the Proposed Active Form of Vitamin D3 in the Intestine: A. W. Norman et al.

Fertilization of Rabbit Ova in vitro by Sperm with Adsorbed Sendai Virus: R. J. Ericsson, D. A. Buthala, J. F. Norland

Primary Structure of the Human Chorionic Somatomammotropin (HCS) Molecule: C. H. Li, J. S. Dixon, D. Chung

Motion-Induced Inhibition of Elongation and Induction of Dormancy in Liquidambar: P. L. Neel and R. W. Harris

Quantitative Aspects of Plasma Membrane–Associated Immunoglobulin in Clones of Diploid Human Lymphocytes: R. A. Lerner, P. J. McConahey, F. J. Dixon

Teratogenic Effects of a Chelating Agent and Their Prevention by Zinc: H. Swenerton and L. S. Hurley

Angiotensin-Forming Enzyme in Brain Tissue: D. Ganten et al.

Hypolipidemia in a Mutant Strain of “Acatalasemic” Mice: S. Goldfischer et al.

Southern Corn Leaf Blight: Susceptible and Resistant Mitochondria: R. J. Miller and D. E. Koepp

Superior Colliculus: Some Receptive Field Properties of Bimodally Responsive Cells: B. G. Wickelgren

Delta-9-Tetrahydrocannabinol: Metabolism and Disposition in Long-Term Marihuana Smokers: L. Lemberger et al.

How Does the Striate Cortex Begin the Reconstruction of the Visual World?: D. A. Pollen, J. R. Lee, J. H. Taylor

Somatosensory Responses of Bulboreticular Units in Awake Cat: Relation to Escape-Producing Stimuli: K. L. Casey

Caudate Nucleus Stimulation Retroactively Impairs Complex Maze Learning in the Rat: H. V. S. Peete and M. J. Herz

Technical Comments: Allergic and Classically Conditioned Asthma in Guinea Pigs: A. Bouhuys; D. R. Justesen

Cover

Holographic interferogram revealing dangerous bonding defect located deep inside an automobile tire. By combining lasers and holography, the non-destructive method of “holographic interferometry” has introduced a new form of interferometry into optics, capable of revealing microscopic deformations on large-size objects. See page 11. [GC-OPTRONICS, Ann Arbor, Michigan]