BOOK REVIEWS

The Compton Effect and Scientific Papers of Arthur Holly Compton, reviewed by J. L. Heilbrun; Antivivisection and Medical Science in Victorian Society, W. Province; Primate Aggression, Territoriality, and Xenophobia, G. Hausfater; The Biology of Hysterocormorph Rodents, J. P. Roord; Higher Excited States of Polyatomic Molecules, D. M. Hanson; Membrane Transport in Plants, R. M. Spanwick

REPORTS

Thermochemical Decomposition of Water Based on Reactions of Chromium and Barium Compounds: C. E. Bamberger et al.


Jupiter: Its Infrared Spectrum from 16 to 40 Micrometers: J. R. Houck et al.

Cyclic Octatomic Sulfur: A Possible Infrared and Visible Chromophore in the Clouds of Jupiter: B. N. Khare and C. S. Sagan

Sun-Tracking Solar Furnaces in High Arctic Flowers: Significance for Pollination and Insects: P. G. Kevan

Predicting Response to Endocrine Therapy in Human Breast Cancer: A Hypothesis: K. B. Horwitz et al.

Acetaldehyde Oxidation by Hepatic Mitochondria: Decrease After Chronic Ethanol Consumption: Y. Hasumura, R. Teschke, C. S. Lieber

Phosphorus-31 as a Nuclear Probe for Malignant Tumors: K. S. Zaner and R. Damadian

Tail Pinch Induces Eating in Sated Rats Which Appears to Depend on Nigrostriatal Dopamine: S. M. Antelman and H. Szechtman

COVERAGE

(Above) Houses in the floodplain of the Meramec River, a tributary of the Mississippi River, were flooded by backwater from the Mississippi on 5 April 1973. On 29 April, the Mississippi completely overpowered the Meramec and caused it to run backward. (Below) Aerial view of Saint Louis, Missouri (looking north from East Saint Louis, Illinois), on 28 April at 11 a.m. shows the constriction of the river caused by man-made levees. The levees are indicated on the east side by roads. See page 681. [Charles B. Belt, Jr., Saint Louis University]