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Hatch Batters NCI with Straus Case
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It is Illegal to Say That One Is Sane

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Microwave Radiometric Measurements of Sea Surface Temperature from the Seasat Satellite: First Results: R. Hofer, E. G. Njoku, J. W. Waters

Hydrovolcanic Explosions: The Systematics of Water-Pyroclast Equilibration: M. F. Sheridan and K. H. Wohletz

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Uninfected Cells of Soybean Root Nodules: Ultrastructure Suggests Key Role in Urdeide Production: E. H. Newcomb and S. R. Tandon


Improved Detail in Biological Soft X-ray Microscopy: Study of Blood Platelets: R. Feder et al.

Estradiol and Progesterone Profiles Indicate a Lack of Endocrine Recognition of Pregnancy in the Opossum: J. D. Harder and M. W. Fleming

Diethylstilbestrol Induces Neoplastic Transformation Without Measurable Gene Mutation at Two Loci: J. C. Barrett, A. Wong, J. A. McLachlan

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All-Female Fish: A Cryptic Species of Menidia (Atherinidae): A. A. Echelle and D. T. Mosier

Memory Performance of Chemical Workers Exposed to Polybrominated Biphenyls: G. G. Brown et al.

Rapid Eye Movement Storms in Infants: Rate of Occurrence at 6 Months Predicts Mental Development at 1 Year: P. T. Becker and E. B. Thoman


Cover

Edge of a morphologically transformed colony (top) of Syrian hamster embryo cells contrasted with the edge of a normal colony. Morphologically transformed cells, which progress to neoplastic cells, are characterized by disoriented, basophilic cells with a decreased nuclear/cytoplasmic ratio. Transformed colonies are induced by many carcinogens, for example, benzo[a]pyrene and diethylstilbestrol. Diethylstilbestrol, however, transforms the cells without measurable gene mutation at two loci (about x 47). See page 1402. [Chester Reather, Johns Hopkins University, Baltimore, Maryland]