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The Explorer Mission to Comet Giacobini-Zinner

The American Association for the Advancement of Science was founded in 1848 and incorporated in 1874. Its objects are to further the work of scientists, to facilitate cooperation among them, to foster scientific freedom and responsibility, to improve the effectiveness of science in human welfare, and to increase public understanding and appreciation of the importance and promise of the methods of science in human progress.
Plasma Diagnosis from Thermal Noise and Limits on Dust Flux or Mass in Comet Giacobini-Zinner: N. Meyer-Vernet, P. Couturier, S. Hoang, C. Perche, J. L. Steinberg, J. Fainberg, C. Meuret

ION Composition Results During the International Cometary Explorer Encounter with Giacobini-Zinner: K. W. Ogilvie, M. A. Coplan, P. Bochsler, J. Geiss


Regulation of Erythrocyte Cation and Water Content in Sickle Cell Anemia: C. Brugnara, H. F. Bunn, D. C. Tosteson

Suprachiasmatic Nucleus Vasopressin Messenger RNA: Circadian Variation in Normal and Brattleboro Rats: G. R. Uhl and S. M. Reppert

Existence of High Abundance Antiproliferative mRNA’s in Senescent Human Diploid Fibroblasts: C. K. Lumpkin, Jr., J. K. McClung, O. M. Pereira-Smith, J. R. Smith

Androgens Regulate the Dendritic Length of Mammalian Motoneurons in Adulthood: E. M. Kurz, D. R. Sengelaub, A. P. Arnold

Amplification and Rearrangement of Hu-er-1 in Leukemia and Lymphoma with Involvement of 11q23: U. Rovigatti, D. K. Watson, J. J. Yunos

Induction of Suppressor Cells Specific for AChR in Experimental Autoimmune Myasthenia Gravis: K. R. McIntosh and D. B. Drachman

Alloantigen Recognition Is Preceded by Nonspecific Adhesion of Cytotoxic T Cells and Target Cells: H. Spits, W. van Schooten, H. Kelzer, G. van Seventer, M. van de Rijn, C. Terhorst, J. E. de Vries

Historical Writing on American Science, reviewed by L. Galambos • By the Bomb’s Early Light, A. M. Winkler • Evolutionary Case Histories from the Fossil Record, M. Labarbera • Earthquake Prediction, W. Thatcher • Frontiers in Nuclear Dynamics, S. E. Koomin • Books Received

Computerized Titration • Autoradiograph Processor • Data Acquisition System • Photomicrography • Fermentation Process Control • X-ray Fluorescence Analyzer • Gas Chromatograph • Solvent Delivery System • Literature