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Making Buckyballs Go Ballistic

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Exons as Microgenes?

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Carnivorous Plants:
Phylogeny and Structural Evolution
V. A. Albert, S. E. Williams, M. W. Chase

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Drawing of the Ulysses spacecraft as it left Jupiter traveling southward in the previously unexplored dusk sector, showing the large Io plasma torus (yellow ring) and a small auroral oval (violet). In February 1992, Ulysses flew past Jupiter to take advantage of the gravity assist that redirected it toward the sun's polar regions. The scientific results obtained during this encounter with Jupiter are presented in a series of reports beginning on page 1503; see also the Perspective on page 1487 and the News story on page 1478. [Illustration: Jet Propulsion Laboratory]

REPORTS

ULYSSES AT JUPITER

Ullysses at Jupiter: An Overview of the Encounter
E. J. Smith, K.-P. Wenzel, D. E. Page

Volcanic Activity on Io at the Time of the Ullysses Encounter
J. R. Spencer, R. R. Howell, B. E. Clark, D. R. Klassen, D. O'Connor

Imaging Observations of Jupiter's Sodium
Mendillo, B. Flynn, J. Baumgardner

Magnet-O-Nebula During the Ullysses Encounter
D. J. Caldwell, B. Turgeon, X.-M. Hua

Magnetic Field Observations During the Ullysses Flyby of Jupiter
A. Balogh, M. K. Dougherty, R. J. Forsyth, D. J. Southwood, E. J. Smith et al.

The Hot Plasma Environment at Jupiter: Ullysses Results

Ullysses Radio and Plasma Wave Observations in the Jupiter Environment
R. G. Stone, B. M. Pederson, C. C. Harvey, P. Caru, N. Cornilleau-Wehrlin et al.

Ullysses Radio Occultation Observations of the Io Plasma Torus During the Jupiter Encounter

Plasma Composition in Jupiter's Magnetosphere: Initial Results from the Solar Wind Ion Composition Spectrometer

Jupiter's Magnetosphere: Plasma Description from the Ullysses Flyby

Energetic Charged-Particle Phenomena in the Jovian Magnetosphere: First Results from the Ullysses COSPIN Collaboration

Ullysses Dust Measurements Near Jupiter
E. Grün, H. A. Zook, M. Baguhl, H. Fechtig, M. S. Hanner et al.

An Overview of Energetic Particle Measurements in the Jovian Magnetosphere with the EPAC Sensor on Ullysses

Regulation of Dynein-Driven Microtubule Sliding by the Radial Spokes in Flagella
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NMR Determination of Residual Structure in a Urea-Denatured Protein, the 434 Repressor
D. Neri, M. Billerter, G. Wider, K. Wüthrich

Attention-Based Motion Perception
P. Cavanagh

Indicates accompanying News story or Perspective

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