NEWS & COMMENT

Big Physics Provokes a Backlash
Brookhaven: A Physics Enterprise Zone! 1468

Space Experts Convene in the Nation's Capital
1471

Testing Target Date Looms, but Will the Vaccines Be Ready?
1472

Lithuanian Biochemist Builds Enzyme Empire
1473

Back to the Drawing Board, Says NIH 1474

RESEARCH NEWS

Red Menace in the World's Oceans
New Killers Unmasked
1476

Leaving Jupiter, Ulysses Heads for the Sun's South Pole
1478

User-Friendly Chemistry Takes Center Stage at ACS Meeting
1479

One-Pot Biochemical Cookery
1481

Making Buckyballs Go Ballistic
1481

PERSPECTIVES

Ulysses Spacecraft Rendezvous with Jupiter
D. D. Barbosa and M. G. Kivelson 1487

Exons as Microgenes? 1489

ARTICLE

Carnivorous Plants: 1491
Phylogeny and Structural Evolution
V. A. Albert, S. E. Williams, M. W. Chase

RESEARCH ARTICLE

Oxidized Redox State of Glutathione in the Endoplasmic Reticulum
C. Hwang, A. J. Sinskey, H. F. Lodish 1496

DEPARTMENTS

THIS WEEK IN SCIENCE 1457
EDITORIAL 1459
Automotive Fuel Efficiency

LETTERS 1461

SCIENCESCOPE 1467
Europe joins decade of the brain, etc.

RANDOM SAMPLES 1475
Mathematicians in the Doldrums • 'Perfume' Controls Bee-havior • Barbara McClintock Dies at 90 • Russian Scientists Take to the Waves

BOOK REVIEWS 1569
The Daguerreotype, reviewed by W. D. Hackmann • Developmental Patterning of the Vertebrate Limb, D. L. Stocum • The Origins of Southwestern Agriculture, B. B. Huckell • Other Books of Interest • Books Received

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THIS WEEK IN SCIENCE 1457
EDITORIAL 1459
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Mathematicians in the Doldrums • 'Perfume' Controls Bee-havior • Barbara McClintock Dies at 90 • Russian Scientists Take to the Waves

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PRODUCTS & MATERIALS 1574
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

Ulysses at Jupiter: An Overview 1503
of the Encounter
E. J. Smith, K.-P. Wenzel, D. E. Page

Volcanic Activity on Io at the Time of the Ulysses Encounter 1507
J. R. Spencer, R. R. Howell, B. E. Clark,
D. R. Klassen, D. O'Connor

Imaging Observations of Jupiter's Sodium 1510
Magneto-Nebula During the Ulysses Encounter
M. Mendillo, B. Flynn, J. Baumgardner

Hubble Space Telescope Imaging of the North Polar Aurora on Jupiter 1512
J. Caldwell, B. Turner, X.-M. Hua

Magnetic Field Observations during the Ulysses Flyby of Jupiter 1515
A. Balogh, M. K. Dougherty, R. J. Forsyth,
D. J. Southwood, E. J. Smith et al.

The Hot Plasma Environment at Jupiter: 1518
Ulysses Results
L. J. Lanzerotti, T. P. Armstrong, R. E. Gold,
K. A. Anderson, S. M. Krimigis et al.

Ulysses Radio and Plasma Wave 1524
Observations in the Jupiter Environment
R. G. Stone, B. M. Pederson, C. C. Harvey,
P. Caru, N. Cornilleau-Wehrlin et al.

Ulysses Radio Occultation Observations 1531
of the Io Plasma Torus During the Jupiter Encounter
M. K. Bird, S. W. Asmar, J. P. Brenkle, P. Edenhofer,
O. Funke et al.

Plasma Composition in Jupiter's 1535
Magnetosphere: Initial Results from the Solar Wind Ion Composition Spectrometer
J. Geiss, G. Gloeckler, H. Balsiger, L. A. Fisk,
A. B. Galvin et al.

Jupiter's Magnetosphere: Plasma 1539
Description from the Ulysses Flyby
S. J. Bame, B. L. Barraclough, W. C. Feldman,
G. R. Gisler, J. T. Gosling et al.

Energetic Charged-Particle Phenomena in 1543
the Jovian Magnetosphere: First Results from the Ulysses COSPIN Collaboration
J. A. Simpson, J. D. Anglin, A. Balogh,
J. R. Burrows, S. W. H. Cowley et al.

Ulysses Dust Measurements Near Jupiter 1550
E. Grun, H. A. Zook, M. Baguhl, H. Fechtig,
M. S. Hanner et al.

An Overview of Energetic Particle 1553
Measurements in the Jovian Magnetosphere with the EPAC Sensor on Ulysses
E. Keppler, J. B. Blake, M. Frantz, A. Korth,
N. Krupp et al.

Regulation of Dynamin-Driven Microtubule 1557
Sliding by the Radial Spokes in Flagella
E. F. Smith and W. S. Sale

NMR Determination of Residual Structure 1559
in a Urea-Denatured Protein, the 434-Repessor
D. Neri, M. Biller, G. Wider, K. Wuthrich

Attention-Based Motion 1563
Perception
P. Cavanagh

How do we detect motion?

Science 1506
Cover

Indicates accompanying News story or Perspective

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