Neurons Put the Uncertainty Into Reaction Times

Nobel Prizes
Ten Get the Call to Stockholm
Unraveling Immune-Cell Mysteries
A Captivating Carbon Form
A Cold Elixir for Physics
Winning Incentives for Truthtelling

Policy Forum
The Candidates Speak

Perspectives
The Imaging of Individual Atoms
D. A. Jefferson

Signaling Across Membranes: A One and a Two and a ... J. Stock

The World Wide Web as an Instructional Tool
J. M. Barrie and D. E. Presti

Departments
This Week in Science
Editorial
My 3 Cents’ Worth

Letters
Strategic Research: P. Barse; D. Hochman; S. Mac Lane • Psychobiology and Biopsychology: M. Snyder; J. W. Moore • Science Teaching: How to Spend $5 Million: D. B. Seligman • Exposure to Methylene Chloride: W. C. Norman III • California Civil Rights Initiative: M. Trow • Alzheimer’s Original Patient: L. Amaducci • Of Sex and Gender: G. A. Pearson • Meteorite Recovery: A.

Scriencescopes
Oceanographers Make Their Own Hot Springs • Prize for Gaia’s Father • Ancient Egyptians in Canaan • Twitting Science

Books Reviews
The Horned Dinosaurs, review by K. Padian • Biochemistry of Smooth Muscle Contraction, M. Ikebe • Vignettes • Books Received

Products & Materials
433

Science • Vol. 274 • 18 October 1996

This is a page from the journal Science, dated October 18, 1996. The page features various articles and sections including news, research, comment, policy forum, perspectives, and departments. The cover story is about neurons putting uncertainty into reaction times. There are also discussions on Nobel Prizes, policy forum, and perspectives. The journal's ISSN is 0036-8075.
False-color view (width ~1000 km) of Jupiter's satellite Europa obtained by NASA/JPL's Galileo spacecraft. Fractures in the icy crust and mottled areas are in reddish hues, indicating the presence of non-ice materials. The icy plains (blues) subdivide into units with different brightnesses at infrared wavelengths, probably due to differences in ice grain size. Observations of Jupiter and its moons by Galileo are reported in the special section beginning on page 377 and the News story on page 341. [Image processed by Paul Geissler, University of Arizona]

RESEARCH ARTICLE

An Adenovirus Mutant That Replicates Selectively in p53-Deficient Human Tumor Cells
J. R. Bischoff, D. H. Kinn, A. Williams, C. Heise, S. Horn, M. Muna, L. Ng, J. A. Nye, A. Sampson-Johannes, A. Fattaey, F. McCormick

REPORTS

GALILEO ORBITER

Galileo's First Images of Jupiter and the Galilean Satellites
M. J. S. Belton et al.

Near-Infrared Spectroscopy and Spectral Mapping of Jupiter and the Galilean Satellites: Results from Galileo's Initial Orbit
R. Carlson et al.

Galileo Photopolarimeter-Radiometer Observations of Jupiter and the Galilean Satellites
G. S. Orton et al.

Galileo Plasma Wave Observations in the Io Plasma Torus and Near Io
D. A. Gurnett et al.

Effects of Absorption by Io on Composition of Energetic Heavy Ions
T. L. Garrard et al.

Plasma Observations at Io with the Galileo Spacecraft
L. A. Frank et al.

Io's Interaction with the Plasma Torus: Galileo Magnetometer Report
M. G. Kivelson et al.

Dust Measurements During Galileo's Approach to Jupiter and Io Encounter
E. Grün et al.

Electron Beams and Ion Composition Measured at Io and in Its Torus
D. J. Williams et al.

Far-Ultraviolet Imaging of Jupiter's Aurora and the Io "Footprint"

Time-Resolved Observations of Jupiter's Far-Ultraviolet Aurora

Direct Imaging of the Atomic Configuration of Ultradispersed Catalysts
P. D. Nellist and S. J. Pennycook

Crystal Structure of DNA Recombination Protein RuvA and a Model for Its Binding to the Holliday Junction

Resistance to Leishmania major Induced by Tolerance to a Single Antigen
V. Julia, M. Rassoulzadegan, N. Glaiichenhaus

Signaling by the Escherichia coli Aspartate Chemoreceptor Tar with a Single Cytoplasmic Domain per Dimer
I. Tatsuno, M. Homma, K. Oosawa, I. Kawagishi

Attractant Signaling by an Aspartate Chemoreceptor Dimer with a Single Cytoplasmic Domain
P. J. Gardina and M. D. Manson

Neural Control of Voluntary Movement Initiation
D. P. Hanes and J. D. Schall

Preferential Formation of Benzo[a]pyrene Adducts at Lung Cancer Mutational Hotspots in P53
M. F. Denissenko, A. Pao, M.-s. Tang, G. P. Pfeifer

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