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http://science.sciencemag.org/ on April 14, 2017
False-color view (width ~1000 km) of Jupiter's satellite Europa obtained by NASA/JPL's Galileo spacecraft. Features 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. Kirn, 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. Glachenhaus

**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