LETTERS
Antibiotics: Use in Animal Feed: R. Novick; Food Safety Report: C. Grobstein; Recombinant DNA Experiments: P. Siekevitz; Grants and the "Track Record": R. T. Prehn; Tea with Milk: J. F. Morton

EDITORIAL
Mission to Jupiter and Satellites

ARTICLES
Voyager Telecommunications: The Broadcast from Jupiter: R. E. Edelson et al.

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SALT Supporters of Two Minds on Treaty
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UN Meeting in Vienna Unlikely to Be a Waltz
Oil Pinch Stirs Dreams of Moonshine Travel
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Hazardous Wastes Technology Is Available
Isadore Singer and Differential Geometry

AAAS NEWS
Science 80 to Premier in Fall; Energy Seminar Slated for Raleigh; R & D Colloquium; Other June Meetings; Women in Science and Math; AAAS Annual Elections: Preliminary Announcement

ANNUAL MEETING
Call for Contributed Papers; Instructions for Contributors
The Plastics, reviewed by R. S. Alberte; Modern and Ancient Lake Sediments, J. D. Milliman; Spatial Pattern in Plankton Communities, M. R. Reeve; Topics in Surface Chemistry, P. J. Estrup; Structure and Collisions of Ions and Atoms, E. Merzbacher; Books Received

Voyager 1 Encounter with the Jovian System: E. C. Stone and A. L. Lane


The Jupiter System Through the Eyes of Voyager 1: B. A. Smith et al.

Discovery of Currently Active Extraterrestrial Volcanism: L. A. Morabito et al.

Infrared Observations of the Jovian System from Voyager 1: R. Hanel et al.

Radio Science with Voyager 1 at Jupiter: Preliminary Profiles of the Atmosphere and Ionosphere: V. R. Eshleman et al.

Extreme Ultraviolet Observations from Voyager 1 Encounter with Jupiter: A. L. Broadfoot et al.

Magnetic Field Studies at Jupiter by Voyager 1: Preliminary Results: N. F. Ness et al.

Plasma Observations Near Jupiter: Initial Results from Voyager 1: H. S. Bridge et al.


Low-Energy Charged Particle Environment at Jupiter: A First Look: S. M. Krimigis et al.


Infrared Images of Jupiter at 5-Micrometer Wavelength During the Voyager 1 Encounter: R. J. Terrile et al.

Images acquired by Voyager 1 during its dash through the Jovian system were assembled in this abstraction to portray the diversity of phenomena to be found there. Jupiter, with the Great Red Spot seen in the southern hemisphere, is surrounded by the four Galilean satellites. Io, the innermost, is mottled by bizarre colors and is now known to be intensely volcanically active. Europa, the brightest, displays pastel markings crossed by global ribbons, perhaps reflecting tectonics of immense scale. Ganymede, third from Jupiter, shows a complex network of intersecting stripes that bound peculiar grooved terrain. Callisto, the outermost, displays an ancient cratered surface with enormous vestigial concentric ring systems, apparently the last records of tremendous impacts into its soft icy crust.
Editor's Summary

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