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.

NEWS AND COMMENT  SALT Supporters of Two Minds on Treaty

BRIEFING  DNR Given Up as a Loser, Citizen Support Lacking; Creationists Sue to Ban Museum Evolution Exhibits; Teddy Roosevelt's Name Invoked in Alaska Vote

UN Meeting in Vienna Unlikely to Be a Waltz

Oil Pinch Stirs Dreams of Moonshine Travel

Brown Down on Weapons Link

RESEARCH NEWS  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
BOOK REVIEWS

The Plastids, 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 

REPORTS

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.

COVER

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. See page 913 for a