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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

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Mission to Jupiter and Satellites

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

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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
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BOOK REVIEWS

1. 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

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


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


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


7. Extreme Ultraviolet Observations from Voyager 1 Encounter with Jupiter: A. L. Broadfoot 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.
Editor's Summary