

Earth from space, as seen from Apollo 17 in 1972. A special series on the State of the Planet, featuring eight Viewpoints appearing in this and the next three issues, looks at the present status of our most important resources and provides a glimpse of our possible future. [Photo: NASA]

STATE OF THE PLANET

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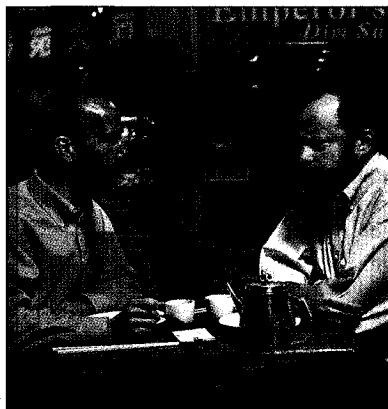
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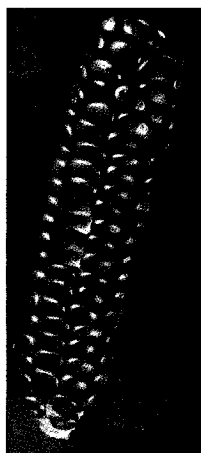
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ECOLOGY: Fluorescent Enhancement of Signaling in a Mantis Shrimp

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PLANETARY SCIENCE: Evidence for Persistent Flow and Aqueous Sedimentation on Early Mars

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A meandering river channel and a fan-shaped deposit of debris imply that liquid water flowed for some time on early Mars.

PHYSICS: Bose-Einstein Condensation of Molecules

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A. Eden, F. Gaudet, R. Jaenisch

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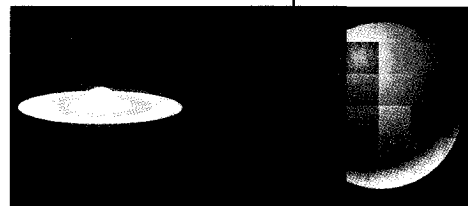
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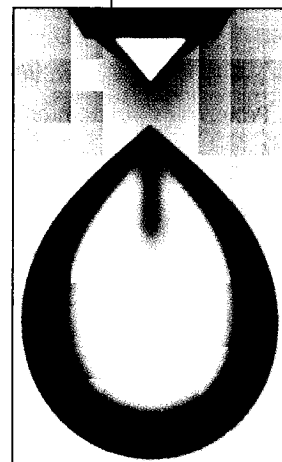
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- 1188 **PHYSICS: A Superconducting Reversible Rectifier That Controls the Motion of Magnetic Flux Quanta**
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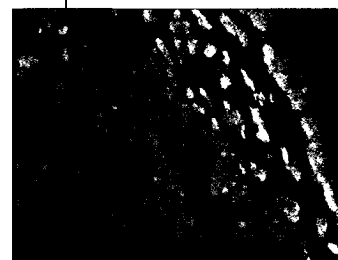
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