EDITORIAL
On Becoming a Scientist
Bruce Alberts
>> Science Podcast

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U.S. Takes Steps to Use Science to Improve Ties to Muslim World
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Restructuring Physics Labs Brings Delight and Despair
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No Sign Yet of Himalayan Meltdown, Indian Report Finds
Could Glacier Research Help Thaw Himalayan Standoff?
From Science’s Online Daily News Site

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Amid Worrisome Signs of Warming, 'Climate Fatigue' Sets In
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Internal Affairs
ITER Blueprints Near Completion, But Financial Hurdles Lie Ahead

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BREVIA
Widespread Occurrence of Self-Cleaving Ribozymes
C.-H. T. Webb et al.
Once thought to be an oddity, small catalytic RNAs have been found in a wide range of organisms.

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COVER
The Interstellar Boundary Explorer (IBEX) spacecraft has returned the first global images of the interaction of our heliosphere with the local interstellar medium. IBEX observations show a ribbon of energetic neutral atoms (reds to greens), snaking between the positions of the two Voyager spacecraft (white dots). This ribbon marks the region where the galactic magnetic field (gray lines) wraps most tightly around the heliosphere’s boundary. See the series of Reports starting on page 959.

Image: Patrick McPike/Adler Planetarium

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954 Starvation Protects Germline Stem Cells and Extends Reproductive Longevity in C. elegans
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964 Structures and Spectral Variations of the Outer Heliosphere in IBEX Energetic Neutral Atom Maps
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966 Comparison of Interstellar Boundary Explorer Observations with 3D Global Heliospheric Models
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969 Direct Observations of Interstellar H, He, and O by the Interstellar Boundary Explorer
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Detection of H, He, and O flowing into the heliosphere from the interstellar medium tells us about our local interstellar environment.

971 Imaging the Interaction of the Heliosphere with the Interstellar Medium from Saturn with Cassini
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980 Observation of the Role of Subcritical Nuclei in Crystallization of a Glassy Solid
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The use of a photoacid enables the long-sought characterization of the conjugate acid of bicarbonate.

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