COVER
Ordovician sedimentary rocks at Presqu’île de Crozon, Brittany, France. These rocks show high-frequency cycles of less than 500,000 years between bay and open marine conditions. This and similar records allow reconstruction of global sea level from 550 to 250 million years ago. The pink boulder at the bottom is about 15 centimeters across. See page 64.

Photo: Bilal U. Haq

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10.1126/science.1157945

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A prokaryotic version of ubiquitin, a eukaryotic tag for protein degradation, is linked to lysines in prokaryotic proteins destined for destruction, a process called pupylation.
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Internally Generated Reactivation of Single Neurons in Human Hippocampus During Free Recall

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A forward genetic screen in immortalized cells identifies NF-κB signaling components required to transduce signals from Toll-like receptors.

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