A bearded, horned terra cotta mask, about 5 centimeters in height, found at Mohenjo Daro, Pakistan. The artifact, which may have been attached to a puppet, offers a rare glimpse into the 5000-year-old Indus civilization. See page 1276.

Image: J. M. Kenoyer/Courtesy of the Department of Archaeology and Museums, Government of Pakistan
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PSYCHOLOGY
BREVIA: Serotonin Modulates Behavioral Reactions to Unfairness
M. J. Crockett, L. Clark, G. Tabibnia, M. D. Lieberman, T. W. Robbins
Individuals with low levels of brain serotonin are less likely to accept an unfair offer of money from other players in a laboratory game.
10.1126/science.1155577

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Animal Versus Wind Dispersal and the Robustness of Tree Species to Deforestation
D. Montoya, M. A. Zavala, M. A. Rodriguez, D. W. Purves
In Spanish forests, tree species with seeds that are dispersed by animals are more resilient in a fragmented forest than those with wind-dispersed seeds.
10.1126/science.1158404

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Scanning tunneling microscope data and calculations show that near-surface titanium sites, not bridging oxygen vacancies, determine the useful electronic properties of TiO2.
10.1126/science.1159846

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Natural Selection Shapes Genome-Wide Patterns of Copy-Number Polymorphism in Drosophila melanogaster
J. J. Emerson, M. Cardoso-Moreira, J. O. Borevitz, M. Long
A high-resolution analysis of gene copy number in Drosophila species shows that most variations are deleterious but a few for resistance to toxins are being positively selected.
10.1126/science.1158078

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J. Korenaga
full text at www.sciencemag.org/cgi/content/full/320/5881/1291a

Response to Comment on “Intermittent Plate Tectonics?”
P. G. Silver and M. D. Behn
full text at www.sciencemag.org/cgi/content/full/320/5881/1291b

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R. R. Nair et al.
The transparency of sheets of graphene is quantized in a way that allows a simple determination of the fine structure constant, which relates light and relativistic electrons.

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I. Tagkopoulos et al.
Predictable sequences of environmental signals can be exploited by bacteria so that they learn to anticipate future metabolic needs and thereby gain a competitive edge. >> Perspective p. 1297

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E. Körönd et al.
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10.1126/science.1159572

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M. Bouchon and H. Karabulut
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P. Neumann et al.
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N. Syassen et al.
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Y. Ogawa, B. K. Sun, J. T. Lee
Two noncoding RNAs required for X-chromosome inactivation in female mice form a duplex that is cleaved by the RNA interference machine, indicating a link between X inactivation and RNA interference.

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T. Miyoshi, J. Kanoh, M. Saito, F. Ishikawa
Yeast chromosome ends are protected by a protein complex similar to that in mammals, which prevents end-to-end chromosome fusion and controls telomere length. >> Perspective p. 1301

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U. Nagalakshmi et al.
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D. Belin et al.
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A single domain confers different subcellular localizations of the homeodomain protein KN1.

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