



## NEWS

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**794 RELIEF GREETES ACQUITTALS IN ITALY EARTHQUAKE TRIAL**

But some still fault scientists for hasty risk assessment *E. Carltidge*

**795 JUST ONE POLIOVIRUS LEFT TO GO**

Vaccinators may have wiped out the second of three strains of the virus *By L. Roberts*

**796 FOR SCIENCE, IMPACT OF REPUBLICAN WIN MAY BE MUTED**

Congress could still act on some research-related issues despite worsening relations with the White House *By J. Mervis and D. Malakoff*

**797 Will pork be back on the menu?**

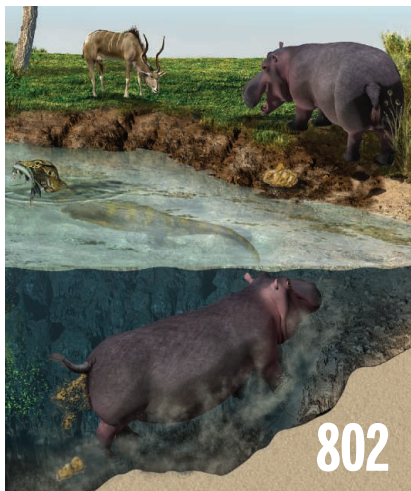
*By J. Mervis*  
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**798 NO SEXISM IN SCIENCE? NOT SO FAST, CRITICS SAY**

Study of hiring in math-heavy fields provokes outcry *By R. Bernstein*

**799 THE GENES THAT TURNED WILDCATS INTO KITTY CATS**

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**800 THE THEORETICAL PHYSICIST BEHIND INTERSTELLAR**

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Extraneous DNA can skew results of surveys of low-density microbial communities *By E. Pennisi*

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**810 MESENCHYMAL PROGENITOR PANOPLY**

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**812 DID ANTARCTICA INITIATE THE ICE AGE CYCLES?**

Gradual buildup of Antarctic ice sheets preceded extensive Northern Hemisphere glaciation about 3 million years ago *By R. McKay*

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Engineered gene expression systems provide cells with a molecular memory of their past

*By S. Ausländer and M. Fussenegger*

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**815 AN ECONOMIC PERSPECTIVE ON THE EPA'S CLEAN POWER PLAN**

Cross-state coordination key to cost-effective CO<sub>2</sub> reductions

*By M. Fowlie et al.*

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**817 THE MALARIA PROJECT**

*By K. M. Masterson,*  
*reviewed by I. W. Sherman*



**818 PRIVACY, BIG DATA, AND THE PUBLIC GOOD**

*J. Lane et al., Eds.; reviewed by F. H. Cate*

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*By M. D. Smith*

**819 RESPONSE**

*By L. Withey et al.*

**820 FAUNA IN DECLINE: BEYOND EXTINCTION**

*By J. C. Briggs*

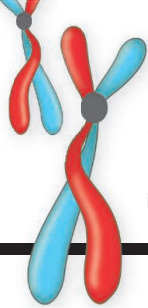
**821 FAUNA IN DECLINE: THE COMMUNITY WAY**

*By S. Boyer*

**821 FAUNA IN DECLINE: PROTECT FORESTS NOW**

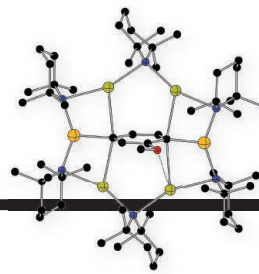
*By J. V. Wells*

**821 ERRATA**



# 808 & 826

Mapping genetic crossover in humans



# 834

A base that brings along a template

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### RESEARCH ARTICLES

#### 825 SYNTHETIC BIOLOGY

Genomically encoded analog memory with precise in vivo DNA writing in living cell populations

*F. Farzadfar and T. K. Lu*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: [dx.doi.org/10.1126/science.1256272](http://dx.doi.org/10.1126/science.1256272)

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#### 826 DNA RECOMBINATION

Recombination initiation maps of individual human genomes

*F. Pratto et al.*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: [dx.doi.org/10.1126/science.1256442](http://dx.doi.org/10.1126/science.1256442)

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#### 827 MESENCHYMAL CELLS

Defining a mesenchymal progenitor niche at single-cell resolution

*M. E. Kumar et al.*

RESEARCH ARTICLE SUMMARY; FOR FULL TEXT: [dx.doi.org/10.1126/science.1258810](http://dx.doi.org/10.1126/science.1258810)

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#### 828 NANOPHOTONICS

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#### 831 INTERFACIAL WATER

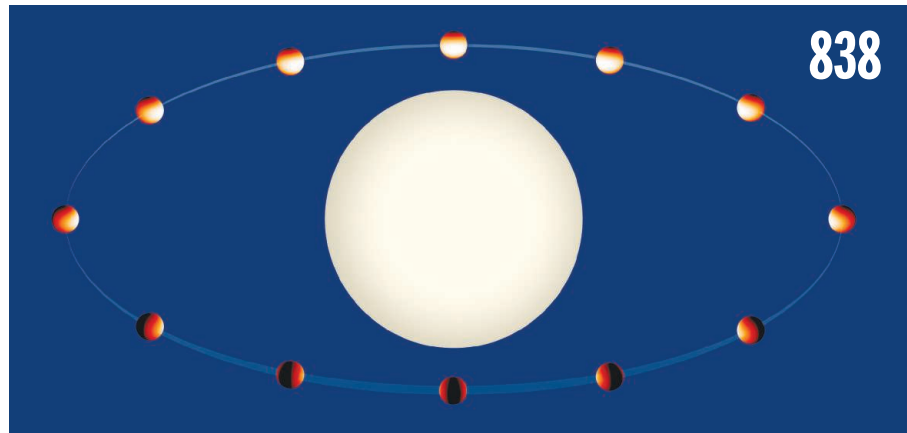
The structure of interfacial water on gold electrodes studied by x-ray absorption spectroscopy

*J.-J. Velasco-Velez et al.*

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# 838

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*K. B. Stevenson et al.*

#### 841 SEXUAL CONFLICT

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#### 861 VIRAL INFECTION

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*B. Zhang et al.*

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Out of sight, out of mind

*By Mary Woolley and Alan I. Leshner*

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#### 882 WORKING LIFE

The point of it all

*By Joseph Swift*

### ON THE COVER



Lightning strike above the city of San Francisco, photographed from the hills above the University of California, Berkeley, campus. With rapid global warming projected for the 21st century, the frequency of lightning is poised to increase. For more on the future of lightning, see page 851.

Photo: © Douglas Keister/Corbis

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