

# CONTENTS

22 JANUARY 2016 • VOLUME 351 • ISSUE 6271

## NEWS

### IN BRIEF

**320** News at a glance

### IN DEPTH

#### **323 SHELL TRADE PUSHES GIANT CLAMS TO THE BRINK**

With elephant tusks harder to obtain, the “jade of the sea” is the new ivory in China *By C. Larson*

#### **324 DEBATE SHARPENS OVER U.K. THREAT TO LEAVE EUROPE**

Many researchers worry about a loss of funds and influence, but some say the fears are overblown *By E. Stokstad and T. Rabesandratana*

#### **325 BIDEN SEEKS CLEAR COURSE FOR HIS CANCER MOONSHOT**

Researchers have plenty of ideas for the vice president’s bid to boost collaboration and improve treatments *By J. Kaiser and J. Couzin-Frankel*

#### **326 STANDOFF IMPERILS OREGON REFUGE**

Takeover disrupts what observers call a model public-private restoration effort *By R. F. Service*

#### **328 DATA CHECK: TRACKING FIRST JOBS TO MEASURE THE IMPACT OF RESEARCH FUNDING**

Study of recent Ph.D.s at eight Midwestern universities demonstrates value of the new science of science policy *By J. Mervis*

#### **329 MONTREAL INSTITUTE GOING ‘OPEN’ TO ACCELERATE SCIENCE**

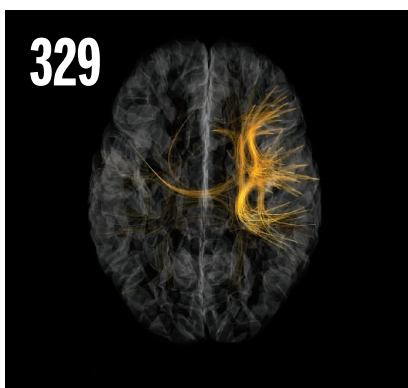
Experiment aims to show whether forgoing patents and freeing up data can boost neuroscience research *By B. Owens*

### FEATURE

#### **330 NUMBER 9**

A new giant planet, still unseen, appears to be shaping the orbits of objects beyond Neptune *By E. Hand*

► PODCAST



## INSIGHTS

### PERSPECTIVES

#### **334 PLASMONICS—TURNING LOSS INTO GAIN**

The optical losses usually associated with plasmonic materials could be used in applications *By J. C. Ndukaiife et al.*

# 330

The solar system gains a planet

#### **336 INTERLACING MOLECULAR THREADS**

Materials with a fabric-like microstructure are highly elastic *By E. Gutierrez-Puebla*

► REPORT P. 365

#### **337 EDITING POLICY TO FIT THE GENOME?**

Framing genome editing policy requires setting thresholds of acceptability *By R. Isasi et al.*

#### **340 HOW CHERENKOV RADIATIVE LOSSES CAN IMPROVE OPTICAL FREQUENCY COMBS**

Broader optical frequency combs on a photonic chip can help refine time standards *By N. Akhmediev and N. Devine*

► REPORT P. 357

#### **341 OLIGODENDROCYTES FOLLOW BLOOD VESSEL TRAILS IN THE BRAIN**

Brain microvasculature is a scaffold for neuroglial migration *By E. Dejana and C. Betsholtz*

► REPORT P. 379

#### **342 THE DO-IT-ALL NITRIFIER**

The discovery of bacteria that can oxidize both ammonia and nitrite upends a long-held dogma *By A. E. Santoro*

#### **344 KNOWLEDGE CAPITAL, GROWTH, AND THE EAST ASIAN MIRACLE**

Access to schools achieves only so much if quality is poor *By E. A. Hanushek and L. Woessmann*

### BOOKS ET AL.

#### **346 THE CABARET OF PLANTS**

*By R. Mabey, reviewed by H. A. Curry*

#### **347 TRAUMA**

*Reviewed by G. Frazzetto*

### LETTERS

#### **348 EDITORIAL EXPRESSION OF CONCERN**

*By M. McNutt*

#### **348 ERADICATING POLIO: A BALANCING ACT**

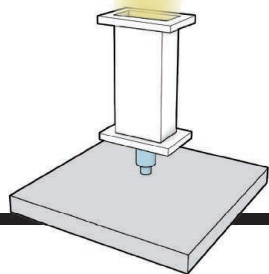
*By V. Agol et al.*

#### **348 PRACTICALITIES OF POLITICAL AGENCY**

*By I. Kelman*

#### **349 RESPONSE**

*By K. O'Brien*



334

Plasmonics applications  
heat up



341 & 379

Neuroglia follow  
vascular paths

## RESEARCH

### IN BRIEF

**350** From *Science* and other journals

### REVIEW

#### 353 SOLAR ENERGY

Research opportunities to advance solar energy utilization *N. S. Lewis*

REVIEW SUMMARY; FOR FULL TEXT:  
[dx.doi.org/10.1126/science.aad1920](http://dx.doi.org/10.1126/science.aad1920)

### REPORTS

#### 354 RADIO ASTRONOMY

Real-time detection of an extreme scattering event: Constraints on Galactic plasma lenses  
*K. W. Bannister et al.*

#### 357 APPLIED OPTICS

Photonic chip-based optical frequency comb using soliton Cherenkov radiation  
*V. Brasch et al.*

► PERSPECTIVE P. 340

#### 361 ELECTROCHEMISTRY

Active sites of nitrogen-doped carbon materials for oxygen reduction reaction clarified using model catalysts  
*D. Guo et al.*

#### 365 MOLECULAR FRAMEWORKS

Weaving of organic threads into a crystalline covalent organic framework  
*Y. Liu et al.*

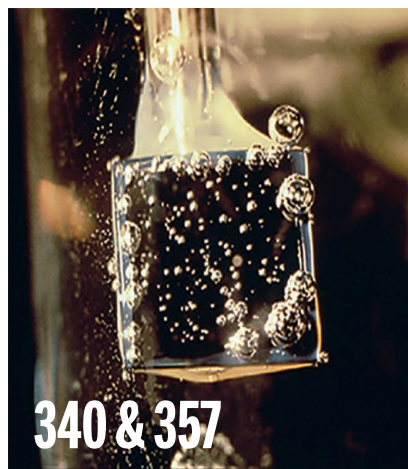
► PERSPECTIVE P. 336

#### 369 PHOTOPHYSICS

Direct observation of triplet energy transfer from semiconductor nanocrystals  
*C. Mongin et al.*

#### 372 GEOCHEMISTRY

Archean upper crust transition from mafic to felsic marks the onset of plate tectonics  
*M. Tang et al.*



#### 375 COMPARATIVE BEHAVIOR

Oxytocin-dependent consolation behavior in rodents  
*J. P. Burkett et al.*

#### 379 NEURODEVELOPMENT

Oligodendrocyte precursors migrate along vasculature in the developing nervous system  
*H.-H. Tsai et al.*

► PERSPECTIVE P. 341

#### 384 PLANT DEVELOPMENT

Cyclic programmed cell death stimulates hormone signaling and root development in *Arabidopsis*  
*W. Xuan et al.*

#### 387 POLLINATOR DIVERSITY

Mutually beneficial pollinator diversity and crop yield outcomes in small and large farms  
*L. A. Garibaldi et al.*

#### SMALL RNAS

**391** Biogenesis and function of tRNA fragments during sperm maturation and fertilization in mammals  
*U. Sharma et al.*

**397** Sperm tRNAs contribute to intergenerational inheritance of an acquired metabolic disorder  
*Q. Chen et al.*

### GENE EDITING

**400** Postnatal genome editing partially restores dystrophin expression in a mouse model of muscular dystrophy  
*C. Long et al.*

**403** In vivo genome editing improves muscle function in a mouse model of Duchenne muscular dystrophy  
*C. E. Nelson et al.*

**407** In vivo gene editing in dystrophic mouse muscle and muscle stem cells  
*M. Tabebordbar et al.*

### DEPARTMENTS

#### 319 EDITORIAL

Future Earth  
*By Johan Rockström*

#### 418 WORKING LIFE

Disability is not a disqualification  
*By Jesse Shanahan*

### ON THE COVER



Illustration of woven molecular fabric. Interlacing threads to create woven patterns is among the oldest methods of making fabric, but until now, this technique has not

been duplicated in complex chemical structures. Liu *et al.* used threads made from organic molecules linked together by strong covalent bonds to weave a three-dimensional covalent organic framework with unusual dynamical and mechanical properties. This molecular weaving method will enable the production of materials with increased precision and functionality. See pages 336 and 365. *Illustration: C. Bickel/Science*

Science Staff .....	318
New Products .....	412
Science Careers .....	414

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