

EDITORIAL

- 461 Visa Labyrinth
Martyn Poliakoff

NEWS OF THE WEEK

- 468 A roundup of the week's top stories

NEWS & ANALYSIS

- 471 Neandertals and Moderns Made Imperfect Mates
>> *Science Express Report*
by B. Vernot and J. M. Akey
- 472 Ecosystems Say 'Pass the Salt!'
>> *Science Podcast*
- 473 Suspect Drug Research Blamed for Massive Death Toll
- 475 Online Video Game Plugs Players Into Remote-Controlled Biochemistry Lab
- 476 Editing of Targeted Genes Proved Possible in Monkeys
- 477 Antioxidants Could Spur Tumors by Acting on Cancer Gene
>> *Science Translational Medicine Research Article* *by V. I. Sayin et al.*

NEWS FOCUS

- 478 The Dangerous Professor
- 482 Quantum Spy Games
>> *Science Podcast*

LETTERS

- 484 Sea Turtle Funding Dries Up
P. Plotkin and J. Bernardo
- Fueling Innovation
R. W. Nichols
- Research Tax Credits: An Important Tool
D. J. Hemel and L. L. Ouellette
- The Changing Role of Medieval Women
R. E. Blanton

- 486 CORRECTIONS AND CLARIFICATIONS

BOOKS ET AL.

- 487 Consciousness and the Brain
S. Dehaene, reviewed by C. Koch
- 488 Dancing with the River
K. Lahiri-Dutt and G. Samanta, reviewed by C. W. Nuckolls

POLICY FORUM

- 489 Drug Policy as Conservation Policy: Narco-Deforestation
K. McSweeney et al.

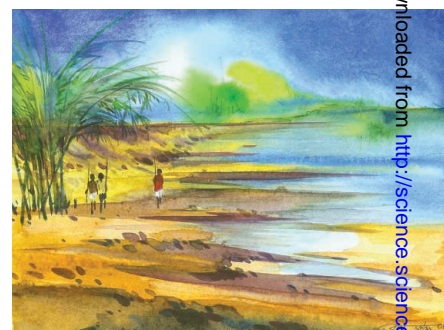
PERSPECTIVES

- 491 Chemical Warfare in the Battle of the Sexes
D. E. L. Promislow and M. Kaeberlein
>> *Reports pp. 536, 541, and 544*
- 492 When Electrons Leave Holes in Organic Solar Cells
J.-L. Bredas
>> *Report p. 512*
- 493 Methane on the Rise—Again
E. G. Nisbet et al.
- 495 Selecting the Direction of Sound Transmission
S. A. Cummer
>> *Report p. 516*
- 496 Pathogen Specialization
G. Coaker
>> *Report p. 552*
- 497 A Unified Process for Neurological Disease
A. B. Singleton
>> *Research Article p. 506*
- 498 Delayed Gratification—Waiting to Terminate Stem Cell Identity
X. Zhang
>> *Research Article p. 505*

CONTENTS continued >>



page 482



page 488

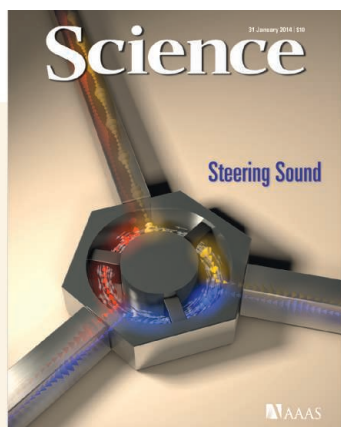
ON THE WEB THIS WEEK

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COVER

A circulator for sound. The arrows represent acoustic signals flowing through the device (diameter: ~20 centimeters), which circulates sound in a nonreciprocal fashion: Signals can flow from left to top, from top to right, and from right to left, but not in the opposite directions. This creates one-way communication channels for sound, allowing listeners to hear but not be heard in return. See pages 495 and 516.

Image: Erik Zumalt, Cockrell School of Engineering, The University of Texas at Austin

DEPARTMENTS

- 460 This Week in *Science*
462 Editors' Choice
466 *Science* Staff
500 AAAS News & Notes
557 New Products
558 *Science* Careers

REVIEW

- 504 **Development-Inspired Reprogramming of the Mammalian Central Nervous System**
R. Amamoto and P. Arlotta
Review Summary; for full text:
<http://dx.doi.org/10.1126/science.1239882>

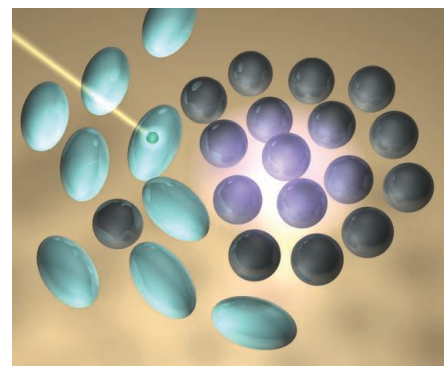
RESEARCH ARTICLES

- 505 **Timing Mechanism Dependent on Cell Division Is Invoked by Polycomb Eviction in Plant Stem Cells**
B. Sun et al.
A regulatory circuit controlling plant flowering genes leads the way to reconstruction of a time-delay control system.
Research Article Summary; for full text:
<http://dx.doi.org/10.1126/science.1248559>
>> Perspective p. 498
- 506 **Exome Sequencing Links Corticospinal Motor Neuron Disease to Common Neurodegenerative Disorders**
G. Novarino et al.
Analysis of hereditary spastic paraplegia genes identifies mutants involved in human neurodegenerative disease.
>> Perspective p. 497

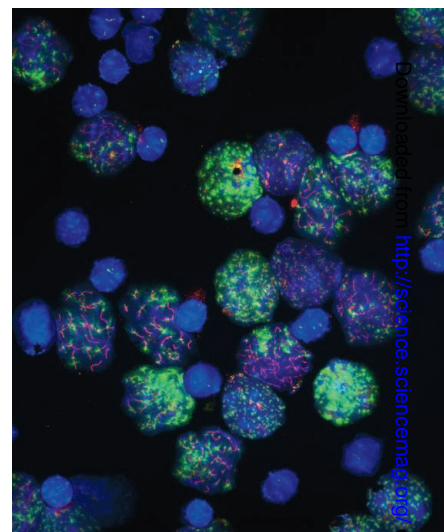
REPORTS

- 512 **Ultrafast Long-Range Charge Separation in Organic Semiconductor Photovoltaic Diodes**
S. Gélinas et al.
Ultrafast spectroscopy shows electrons and holes separating faster than simple diffusion would imply in organic photovoltaics.
>> Perspective p. 492
- 516 **Sound Isolation and Giant Linear Nonreciprocity in a Compact Acoustic Circulator**
R. Fleury et al.
Directional fluid flow is used to control and isolate the propagation of sound.
>> Perspective p. 495
- 519 **Unlocking the Potential of Cation-Disordered Oxides for Rechargeable Lithium Batteries**
J. Lee et al.
Cation-disordered compounds achieve high lithium (Li) storage capacity, with scope for high-energy density Li battery electrodes.
- 522 **Low Core-Mantle Boundary Temperature Inferred from the Solidus of Pyrolite**
R. Nomura et al.
High-pressure experiments suggest that Earth's mantle melts at lower temperatures than previously predicted.

- 525 **A Mechanosensory Pathway to the *Drosophila* Circadian Clock**
A. Simoni et al.
Flies use a mechanosensory organ to sense a low-frequency vibration and reset the brain's biological clock.
- 529 **Marine Tubeworm Metamorphosis Induced by Arrays of Bacterial Phage Tail-Like Structures**
N. J. Shikuma et al.
Benthic marine larval development is triggered by a bacterially expressed structure of phage origin.
- 533 **Reversal of Female Infertility by *Chk2* Ablation Reveals the Oocyte DNA Damage Checkpoint Pathway**
E. Bolcun-Filas et al.
Elucidation of a system that monitors DNA damage in both meiotic and resting oocytes in mice is shown.
- 536 **Mating Induces Shrinking and Death in *Caenorhabditis* Mothers**
C. Shi and C. T. Murphy
Sperm and seminal fluid cause *Caenorhabditis* mothers to die shortly after they produce offspring.
- 541 **Males Shorten the Life Span of *C. elegans* Hermaphrodites via Secreted Compounds**
T. J. Maures et al.
Male nematodes produce a soluble signal that shortens the life span of worms of the opposite sex.
- 544 ***Drosophila* Life Span and Physiology Are Modulated by Sexual Perception and Reward**
C. M. Gendron et al.
Female pheromones are bad for male flies.
>> Perspective p. 491
- 548 **Savanna Vegetation-Fire-Climate Relationships Differ Among Continents**
C. E. R. Lehmann et al.
Evolution cannot be overlooked when aiming to predict the potential global impacts on savanna dynamics in a warming world.
- 552 **Effector Specialization in a Lineage of the Irish Potato Famine Pathogen**
S. Dong et al.
A potato pathogen has changed one of its protease inhibitors that targets its new host plant protease.
>> Perspective p. 496



pages 492 & 512



page 533

SCIENCE (ISSN 0036-8075) is published weekly on Friday, except the last week in December, by the American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005. Periodicals Mail postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 2014 by the American Association for the Advancement of Science. The title SCIENCE is a registered trademark of the AAAS. Domestic individual membership and subscription (51 issues): \$149 (\$74 allocated to subscription). Domestic institutional subscription (51 issues): \$990; Foreign postage extra: Mexico, Caribbean (surface mail) \$55; other countries (air assist delivery) \$85. First class, airmail, student, and emeritus rates on request. Canadian rates with GST available upon request, GST #1254 88122. Publications Mail Agreement Number 1069624. Printed in the U.S.A.

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Science

343 (6170)

Science **343** (6170), 460-557.

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