1204 EARTHQUAKES INDUCED BY FLUID INJECTIONS
Controlling fluid injection may mitigate the extent of induced earthquakes
By F. H. Cornet
▶ REPORT P. 1224

1205 MAKING HEADS OR TAILS OF SHATTERED CHROMOSOMES
Isolation of lagging chromosomes in micronuclei causes catastrophic genome rearrangements By W. P. Kloosterman
▶ REPORT P. 1251

1207 MICROBIAL METABOLITE TRIGGERS ANTIMICROBIAL DEFENSE
Bacteria can activate innate immune responses by releasing a metabolite that enters host cells By S. W. Brubaker and D. M. Monack
▶ REPORT P. 1226

1208 BRINGING PGE2 IN FROM THE COLD
A small molecule that prevents the breakdown of a prostaglandin promotes tissue regeneration By G. A. FitzGerald
▶ RESEARCH ARTICLE P. 1223

1210 CAN CLIMATE FEEL THE PRESSURE?
Changes in atmospheric pressure may be an important long-term climate forcing mechanism By D. J. Peppe and D. L. Royer
▶ REPORT P. 1238

1211 ECONOMICAL ROUTES TO COLLOIDAL NANOCRYSTALS
A new precursor library yields high-quality quantum dots for device applications By Z. Hens
▶ REPORT P. 1226

1212 VISUAL TRACKING IN THE DEAD OF NIGHT
Even in dim light, hawkmoths can track the motions of wind-tossed flowers By E. Warrant
▶ REPORT P. 1245

1214 THE OUTSOURCER
By D. C. Sharma, reviewed by S. Banerjee

1215 THE END OF PLENTY
By J. K. Bourne Jr., reviewed by J. L. Steiner

1180 Roundup of the week's news

IN BRIEF

1183 AMID PANIC, A CHANCE TO LEARN ABOUT MERS
South Korea's explosive outbreak gives scientists fresh opportunities to study the virus By K. Kupferschmidt

1184 SIGNS OF ANCIENT PROTEINS SEEN INSIDE DINOSAUR BONES
Can soft tissue survive 75 million years? By R. F. Service

1185 DINOSAUR CLIMATE PROBED
Ancient lake sediments in China record epic temperature swings, biotic turnover before the mass extinction By J. Qiu

1186 BRAIN IMPLANT TRIALS RAISE ETHICAL CONCERNS
NIH workshop delves into challenges of testing invasive neuromodulation technology By E. Underwood

1187 THE SCIENTIST BEHIND THE 'PERSONHOOD' CHIMPS
Susan Larson defends her work with two research chimpanzees at the heart of a legal battle By D. Grimm

1188 HIV FAMILY TREES REVEAL VIRAL SPREAD
New studies could aid public health efforts By J. Cohen

1190 BUSINESS DECISIONS
What does it take for an academic scientist to become an entrepreneur? Here are some of their stories By J. Mervis
▶ EDITORIAL P. 1179; PERSPECTIVES P. 1200; QUIZ

1194 GIVE US YOUR BEST PITCH
Two venture capitalists explain the investor's mindset By J. Cohen
▶ EDITORIAL P. 1179; PERSPECTIVES P. 1200

1196 GOT A STARTUP? RENT A BENCH
Biotech incubators such as LabCentral are lowering barriers to entrepreneurship By T. Gura
▶ EDITORIAL P. 1179; PERSPECTIVES P. 1200

1200 Financing experiments
By R. Nanda and M. Rhodes-Kropf

1200 Founders and joiners
By M. Roach and H. Sauermann

1201 Cash from the crowd
By M. G. Colombo et al.

1202 Intangible but bankable
By Y. V. Hochberg et al.

1202 Accelerators and ecosystems
By Y. V. Hochberg and D. C. Fehder

1203 Linking and leveraging
By F. Murray and S. Stern
▶ EDITORIAL P. 1179; NEWS STORIES PP. 1190, 1194, & 1196

FINANCING EXPERIMENTS

1200 FINANCING EXPERIMENTS

By R. Nanda and M. Rhodes-Kropf

1200 FOUNDERS AND JOINERS

By M. Roach and H. Sauermann

1201 CASH FROM THE CROWD

By M. G. Colombo et al.

1202 INTANGIBLE BUT BANKABLE

By Y. V. Hochberg et al.

1202 ACCELERATORS AND ECOSYSTEMS

By Y. V. Hochberg and D. C. Fehder

1203 LINKING AND LEVERAGING

By F. Murray and S. Stern
▶ EDITORIAL P. 1179; NEWS STORIES PP. 1190, 1194, & 1196

1204 EARTHQUAKES INDUCED BY FLUID INJECTIONS

Controlling fluid injection may mitigate the extent of induced earthquakes By F. H. Cornet
▶ REPORT P. 1224

1205 MAKING HEADS OR TAILS OF SHATTERED CHROMOSOMES

Isolation of lagging chromosomes in micronuclei causes catastrophic genome rearrangements By W. P. Kloosterman
▶ REPORT P. 1251

1207 MICROBIAL METABOLITE TRIGGERS ANTIMICROBIAL DEFENSE

Bacteria can activate innate immune responses by releasing a metabolite that enters host cells By S. W. Brubaker and D. M. Monack
▶ REPORT P. 1226

1208 BRINGING PGE2 IN FROM THE COLD

A small molecule that prevents the breakdown of a prostaglandin promotes tissue regeneration By G. A. FitzGerald
▶ RESEARCH ARTICLE P. 1223

1210 CAN CLIMATE FEEL THE PRESSURE?

Changes in atmospheric pressure may be an important long-term climate forcing mechanism By D. J. Peppe and D. L. Royer
▶ REPORT P. 1238

1211 ECONOMICAL ROUTES TO COLLOIDAL NANOCRYSTALS

A new precursor library yields high-quality quantum dots for device applications By Z. Hens
▶ REPORT P. 1226

1212 VISUAL TRACKING IN THE DEAD OF NIGHT

Even in dim light, hawkmoths can track the motions of wind-tossed flowers By E. Warrant
▶ REPORT P. 1245

BOOKS ET AL.

1214 THE OUTSOURCER

By D. C. Sharma, reviewed by S. Banerjee

1215 THE END OF PLENTY

By J. K. Bourne Jr., reviewed by J. L. Steiner

Science Staff .............................................1178
New Products ........................................... 1274
Science Careers ....................................... 1275
1216 DEFINING THE HAPPINESS GAP
By A. Van Hiel et al.

1216 RESPONSE
By S. P. Wojcik et al.

1216 PROTECT RESEARCHERS FROM HARASSMENT
By S. E. Hyman and M. E. Goldberg

1217 TECHNICAL COMMENT ABSTRACTS

RESEARCH

IN BRIEF
1218 From Science and other journals

REVIEWS
ECOLOGY
1221 Aquatic animal telemetry: A panoramic window into the underwater world N. E. Hussey et al.

1222 Terrestrial animal tracking as an eye on life and planet R. Kays et al.

RESEARCH ARTICLE
1223 TISSUE REGENERATION
Inhibition of the progestaland-degrading enzyme 15-PGDH potentiates tissue regeneration Y. Zhang et al.

REPORTS
1224 INDUCED SEISMICITY
Seismicity triggered by fluid injection–induced aseismic slip Y. Guglielmi et al.

1226 NANOMATERIALS
A tunable library of substituted thiourea precursors to metal sulfide nanocrystals M. P. Hendricks et al.

1230 ELECTROCHEMISTRY
High-performance transition metal–doped PtNi octahedra for oxygen reduction reaction X. Huang et al.

1234 SOLAR CELLS
High-performance photovoltaic perovskite layers fabricated through intramolecular exchange W. S. Yang et al.

1238 CLIMATE CHANGE
Long-term climate forcing by atmospheric oxygen concentrations C. J. Poulsen et al.

1241 BRAIN NETWORKS
Correlated gene expression supports synchronous activity in brain networks J. Richiardi et al.

1245 INSECT FLIGHT
Luminance-dependent visual processing enables moth flight in low light S. Sponberg et al.

1248 BIOGEOGRAPHY
The dispersal of alien species rede fines biogeography in the Anthropocene C. Capinha et al.

1251 INNATE IMMUNITY
Cytosolic detection of the bacterial metabolite HBP activates TIFA-dependent innate immunity R. G. Gaudet et al.

1255 PHYSIOLOGY
Regulation of breathing by CO2 requires the proton-activated receptor GPR4 in retrotetraploid nucleus neurons N. N. Kumar et al.

CELL DIVISION CYCLE
1260 Kinetochore attachment sensed by competitive Mps1 and microtubule binding to Ndc80C Z. Ji et al.

1264 Competition between Mps1 and microtubules at kinetochores regulates spindle checkpoint signaling Y. Hiruma et al.

1268 SEX DETERMINATION
A male-determining factor in the mosquito Aedes aegypti A. B. Hall et al.

DEPARTMENTS
1179 EDITORIAL
The entrepreneurial gardeners By Iqbal Quadir

1282 WORKING LIFE
You’ll be OK By Michelle E. Portman

ON THE COVER
With governments pushing for innovations to bolster economies and universities eager to make money off of technology transfer, academic scientists are increasingly considering how to commercialize their research discoveries—and others are studying what makes such entrepreneurship flourish. See pages 1179, 1190, 1194, 1196, and 1200. Illustration: Davide Bonazzi

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 postage (publication No. 484460) paid at Washington, DC, and additional mailing offices. Copyright © 2015 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): $153 ($74 allocated to subscription). Domestic institutional subscription (51 issues): $1282. 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.

Change of address: Allow 4 weeks, giving old and new addresses and 8-digit account number. Postmaster: Send change of address to AAAS, P.O. Box 361979, Washington, DC 20090-033. Single-copy sales: $10.00 current issue, $15.00 back issue prepaid plus surface postage, bulk rates on request. Authorization to photocopy material for internal or personal use under circumstances not falling within the fair use provisions of the Copyright Act is granted by AAAS to libraries and other users registered with the Copyright Clearance Center (CCC) Transactional Reporting Service, provided that $30.00 per article is paid directly to CCC, 222 Rosewood Drive, Danvers, MA 01923. The identification code for Science is 0036-8075. Science is indexed in the Reader’s Guide to Periodical Literature and in several specialized indexes.

SCIENCE sciencemag.org

12 JUNE 2015 • VOL 348 ISSUE 6240 1177
Science 348 (6240), 1179-1282.