IN BRIEF
1256 News at a glance

IN DEPTH
1260 LIKELY HOBBIT ANCESTORS LIVED 600,000 YEARS EARLIER
Fragmentary “hobbitlike” fossils show evolution of dwarf human on Indonesian island By E. Culotta

1261 BANKING ON STOOL DESPITE AN UNCERTAIN FUTURE
Regulation and commercialization of fecal transplants could make poop providers obsolete By T. Amirtha

1262 NEW SOLUTION TO CARBON POLLUTION?
Instead of sending CO₂ up a smokestack, researchers in Iceland turn it into rock By E. Kintisch

1263 MECHANICAL TURK UPEINDS SOCIAL SCIENCES
Growing pains arise for researchers using online platform By J. Bohannon

1265 A RACE TO VACCINATE RARE SEALS
In a first, researchers immunize wild marine mammals By D. Malakoff

1266 GENUINE RESEARCH KEEPS STUDENTS IN SCIENCE
University of Texas program boosts STEM retention and graduation rates, study finds By J. Mervis

FEATURE
1268 RED SQUIRRELS RISING
Scientists are striving to save a beloved native species from its disease-bearing North American cousin By E. Stokstad

1277 THREE CATALYSTS FOR ACTIVATING CARBON-HYDROGEN BONDS
A general approach merges photoredox-mediated hydrogen-atom transfer and nickel catalysis to make C–C bonds By C. Fruit

INSIGHTS
1272 & 1274 ENVIRONMENTAL GOVERNANCE FOR ALL
Involving local and indigenous populations is key to effective environmental governance By E. S. Brondizio and F.-M. Le Tourneau

1280 GLOBAL ADAPTATION AFTER PARIS
Climate mitigation and adaptation cannot be uncoupled By A. K. Magnan and T. Ribera

BOOKS ET AL.
1283 THE HOUR OF LAND
By T. T. Williams, reviewed by J. Farmer

1284 WILLIAM HENRY FOX TALBOT

LETTERS
1285 SPEAKING OUT AGAINST BLOOD ANTIQUITIES
By C. Colwell
A source of white light

IN BRIEF
1288 From Science and other journals

REVIEW
1291 TRANSCRIPTION
Transcriptional termination in mammals: Stopping the RNA polymerase II juggernaut
E. G. Proudfoot

RESEARCH ARTICLE
1292 PROTEOMICS
Systems proteomics of liver mitochondria function
E. G. Williams et al.

REPORTS
1293 GEOPHYSICS
Deeper penetration of large earthquakes on seismically quiescent faults
J. Jiang and N. Lapusta

1297 QUANTUM SIMULATION
Quantum spin dynamics and entanglement generation with hundreds of trapped ions
J. G. Bohnet et al.

1301 OPTICAL MATERIALS
A highly efficient directional molecular white-light emitter driven by a continuous-wave laser diode
N. W. Rosemann et al.

1304 ORGANIC CHEMISTRY
Native functionality in triple catalytic cross-coupling: sp² C–H bonds as latent nucleophiles
M. H. Shaw et al.

1308 GLASS TRANSITION
Fifth-order susceptibility unveils growth of thermodynamic amorphous order in glass-formers
S. Albert et al.

1312 CARBON SEQUESTRATION
Rapid carbon mineralization for permanent disposal of anthropogenic carbon dioxide emissions
J. M. Matter et al.

1315 SLEEP AND MEMORY
Top-down cortical input during NREM sleep consolidates perceptual memory
D. Miyamoto et al.

1319 NEURONAL PLASTICITY
Cell-specific restoration of stimulus preference after monocular deprivation in the visual cortex
T. Rose et al.

1323 BRAIN RESEARCH
Prospective representation of navigational goals in the human hippocampus
T. I. Brown et al.

1326 NEURODEVELOPMENT
Oligodendrocyte heterogeneity in the mouse juvenile and adult central nervous system
S. Marques et al.

1330 TRANSCRIPTION
Structural basis of transcription activation
Y. Feng et al.

1334 ENZYMOLGY
Capture of a third Mg²⁺ is essential for catalyzing DNA synthesis
Y. Gao and W. Yang

1337 CANCER IMMUNOTHERAPY
Targeting of cancer neoantigens with donor-derived T cell receptor repertoires
E. Strønen et al.

ON THE COVER
Red squirrels are beloved in the United Kingdom, but their numbers have fallen there as they succumb to a lethal virus carried by invasive North American gray squirrels. Persistent culls have turned a large island, Anglesey, into a gray squirrel–free zone, allowing the endangered red species to come back. Similar efforts are under way in Scotland as well. See page 1268. Photo: www.iphotographers.com

DEPARTMENTS
1255 EDITORIAL
Robotics takes off
By Guang-Zhong Yang and Marcia McNutt

1358 WORKING LIFE
Three lessons rarely taught
By Piotr Wasylczyk

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 © 2016 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): $365; $348 (Canada, Puerto Rico, and Virgin Islands); $355 (all other countries); $345 (Canada, Puerto Rico, and Virgin Islands); $320 (all other countries); $315 (Canada, Puerto Rico, and Virgin Islands); $300 (all other countries); $305 (all other countries); $295 (all other countries). U.S. institutional subscription (51 issues): $525; $513 (Canada, Puerto Rico, and Virgin Islands); $485 (all other countries); $462 (Canada, Puerto Rico, and Virgin Islands); $430 (all other countries); $415 (all other countries); $395 (all other countries). For subscription services visit science-careers.com. Change of address: Allow 6 weeks, giving old and new addresses and 8-digit account number. Postmaster: Send change of address to AAAS, P.O. Box 9678, Washington, DC 20090-6178. Single-copy sales: $25.00 current issue, $22.00 back issue prepaid (includes 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 $35.00 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.

Published by AAAS
10 JUNE 2016 • VOL 352 ISSUE 6291 1253
Science 352 (6291), 1255-1358.