1434 NEWS IN BRIEF
Roundup of the week's news

1437 INSIGHTS

1437 All Eyes on Shooting Stars
By tracking meteorite falls, camera and radar networks help searchers find precious fragments By E. Hand

1438 HARMFUL MUTATIONS CAN FLY UNDER THE RADAR
With more sensitive genetic tests, researchers are hunting the roots of disease in the human “mosaic” By K. Servick

1440 WHO ARE THE SCIENCE STARS OF TWITTER?
Science communicators and some highly cited researchers, but few women, make top 50 list By J. You

1441 EBOLA VACCINE: LITTLE AND LATE
Scaling up production of Ebola vaccines and treatments will take many months By J. Cohen

1442 PLAY IT AGAIN, UNCLE SAM
Prominent academics recommend growth in federal basic research budget that matches previous golden era By J. Mervis

1443 FEATURES

1443 No Miracles
Biologist Russell Gray uses evolutionary ideas to probe the origin of languages and complex thinking By V. Morell

1446 OUTSMARTING THE PLACEBO EFFECT
Can a genetic test to predict a person’s level of placebo response help new drugs win approval? By K. Servick

1451 & 1491 SUPERHEAVY CARBONYLS
The radioactive superheavy element seaborgium can form a carbonyl compound during its short lifetime By W. Loveland

1454 TRACKING ANTIBIOTIC RESISTANCE
Sequencing plasmids can reveal the transmission of resistance among bacteria from patients in a clinical setting By S. A. Beatson and M. J. Walker

1455 MAKING STRONG NANOMATERIALS DUCTILE WITH GRADIENTS
Microstructures that increase metal crystallite size from nanoscale with surface depth are both strong and ductile By K. Lu

1457 PURSUIT OF THE COMMON GOOD
Religious institutions may mobilize public opinion and action By P. Dasgupta and V. Ramanathan

BOOKS ET AL.
1459 LAND AND WINE
By C. Frankel, reviewed by L. D. Meinert

1460 THE CARNIVORE WAY
By C. Eisenberg, reviewed by M. E. Gompper

LETTERS
1461 ISLAND OUTLOOK: WARM AND SWAMPY
By D. Hubbard et al.

1461 LAB ANIMAL PROTECTION OVERDUE
By A. Akhtar

1462 PRENATAL PREVENTION
By P. Grandjean
REPORTS
1484 QUANTUM GASES
Observation of Fermi surface deformation in a dipolar quantum gas
K. Aikawa et al.

1487 ORGANIC ELECTRONICS
Room-temperature coupling between electrical current and nuclear spins in
OLEDs H. Malissa et al.
❯ PERSPECTIVE P. 1450

1491 NUCLEAR CHEMISTRY
Synthesis and detection of a seaborium carbonyl complex J. Even et al.
❯ PERSPECTIVE P. 1451

1494 MOOD REGULATION
GABA/glutamate co-release controls habenula output and is modified by
antidepressant treatment S. J. Shabel et al.

1498 CLIMATE CHANGE
Six centuries of variability and extremes in a coupled marine-terrestrial
ecosystem B. A. Black et al.
❯ PODCAST

1502 SOCIAL SCIENCE
Publication bias in the social sciences: Unlocking the file drawer A. Franco et al.

1505 NEUROMUSCULAR DISEASE
DOK7 gene therapy benefits mouse models of diseases characterized by
defects in the neuromuscular junction S. Arimura et al.

1509 BLOOD DISEASE EXPANSION
Pyrimidoindole derivatives are agonists of human hematopoietic stem cell
self-renewal I. Fares et al.

1512 ENZYME REGULATION
IRBIT is a novel regulator of ribonucleotide reductase in higher
eukaryotes A. Arnaoutov and M. Dasso

1515 GENE REPRESSION
H3K27me and PRC2 transmit a memory of repression across generations and
during development L. J. Gaydos et al.

DEPARTMENTS
1427 EDITOR’S NOTE
Be one of the first
By Marcia McNutt

1429 EDITORIAL
The Pope tackles sustainability
By Marcia McNutt
❯ PERSPECTIVE P. 1457

1534 WORKING LIFE
Rhubarb pie and science
By Sandy Becker
Science 345 (6203), 1427-1534.