NEWS

IN BRIEF
1036 Roundup of the week's news

IN DEPTH
1039 A NEW PHASE IN THE EBOLA WAR
As new cases drop in Liberia, experts call for a fresh strategy that would target flare-ups By K. Kupferschmidt

1040 JAPAN TO ASSAULT ASTEROID
Hayabusa 2 will blast open carbon-rich celestial body By D. Normile

1041 CHINA SUPERSIZES ITS UNDERGROUND PHYSICS LAB
Planned expansion could pave way for "ultimate dark matter experiment" By D. Normile

1042 CHASING SOUTH AMERICA’S MONSOON
Future of key rain pattern in doubt as climate negotiators gather in Peru By L. Wade

1043 U.S. TO EXPAND PUBLIC ACCESS TO CLINICAL STUDY RESULTS
Proposals would require sponsors to report data on thousands of additional trials each year By J. Kaiser

FEATURE
1044 MARTIAN OBSESSION
Black Beauty, a meteorite from ancient Mars, has captivated collectors and scientists By E. Hand
★ PODCAST

1054 & 1063

INSIGHTS

1054 BIG DATA MEETS PUBLIC HEALTH
Human well-being could benefit from large-scale data if large-scale noise is minimized By M. J. Khoury and J. P. A. Ioannidis
★ PERSPECTIVE P. 1063

1057 BRIDGMANITE—NAMED AT LAST
The most abundant mineral in Earth’s interior gets a name By T. Sharp
★ REPORT P. 1106

1058 HOW QUICKLY WE FORGET
Why do we recall some things better than others? By D. C. Rubin
★ REPORT P. 1106

1059 POWERING THE CELL CYCLE
Cell division is linked to mitochondrial protein transport By C. Schulz and P. Rehling
★ REPORT P. 1109

1061 UNIVERSAL EDUCATION IS KEY TO ENHANCED CLIMATE ADAPTATION
Fund more educators rather than just engineers By W. Lutz et al.
★ REPORT P. 1109

1063 SOCIAL MEDIA FOR LARGE STUDIES OF BEHAVIOR
Large-scale studies of human behavior in social media need to be held to higher methodological standards By D. Ruths and J. Pfeffer
★ PERSPECTIVE P. 1054

BOOKS ET AL.
1065 CAPITAL FAILURE
N. Morris and D. Vines, Eds.; reviewed by R. M. May

1066 MOSQUITO TRAILS
By A. M. Nading, reviewed by K. Harper

LETTERS
1067 SALAMANDER PROTECTION STARTS WITH THE NEWT
By B. L. Stuart et al.

1067 ONLINE BUZZ: HUMAN EVOLUTION

1068 CHINA’S ECOLOGICAL STEPS FORWARD
By H. Xu

DEPARTMENTS
1035 EDITORIAL
Innovating research in China By Xuetao Cao

1146 WORKING LIFE
The art of entrepreneurship By Trisha Gura

Science Staff ............................................1034
AAAS News & Notes ................................1069
New Products.............................................1131
Science Careers .................................1132
1058 & 1078

RESEARCH

IN BRIEF

1074 From Science and other journals

REVIEW

1077 GENOME EDITING
The new frontier of genome engineering with CRISPR-Cas9 J. A. Doudna and E. Charpentier

REVIEW SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.1250689

RESEARCH ARTICLES

1078 FUNGAL BIOGEOGRAPHY
Global diversity and geography of soil fungi L. Tedersoo et al.

RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.1256688

1079 SYSTEMS BIOLOGY
Conditional density-based analysis of T cell signaling in single-cell data S. Krishnaswamy et al.

RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: dx.doi.org/10.1126/science.1250689

1080 BLACK HOLE PHYSICS
Black hole lightning due to particle acceleration at subhorizon scales J. Aleksic et al.

1084 PLANT SCIENCE
Biosynthesis, regulation, and domestication of bitterness in cucumber Y. Shang et al.

REPORTS

1089 PALEOMAGNETISM
Solar nebula magnetic fields recorded in the Semarkona meteorite R. R. Fu et al.

1092 MATERIALS SCIENCE
Dynamic mechanical behavior of multilayer graphene via supersonic projectile penetration J.-H. Lee et al.

1096 REPELLENT SURFACES
Turning a surface superrepellent even to completely wetting liquids T. Liu and C.-J. Kim

1100 MINERALOGY
Discovery of bridgmanite, the most abundant mineral in Earth, in a shocked meteorite O. Tschauner et al.

PERSPECTIVE P. 1057

1102 CHEMICAL OCEANOGRAPHY
Increasing anthropogenic nitrogen in the North Pacific Ocean I.-N. Kim et al.

1106 COGNITIVE PSYCHOLOGY
Forgetting the presidents H. L. Roediger III and K. A. DeSoto

PERSPECTIVE P. 1058

1109 MITOCHONDRIA
Cell cycle–dependent regulation of mitochondrial preprotein translocase A. B. Harbauer et al.

PERSPECTIVE P. 1059

1113 PALEOGENOMICS
Genomic structure in Europeans dating back at least 36,200 years A. Seguin-Orlando et al.

1118 TETANUS TOXIN ENTRY
Nidogens are therapeutic targets for the prevention of tetanus K. Bercsenyi et al.

ON THE COVER

A 239-gram piece of NWA 7034, or “Black Beauty,” a 4.4-billion-year-old meteorite from Mars. The rock, valued at more than $10,000 per gram, is both the oldest martian meteorite and the first one made of pieces that were once eroded by wind or water. One of more than a dozen pieces that fell into the Sahara desert, this sample was the first to be recognized as martian. See page 1044.

Published by AAAS
28 NOVEMBER 2014 • VOL 346 ISSUE 6213

1033
Science 346 (6213), 1035-1146.