EDITORIAL
901 A Fond Farewell
Colin Norman
>> Policy Podcast

NEWS OF THE WEEK
906 A roundup of the week’s top stories

NEWS & ANALYSIS
908 Report Reignites Battle Over Low-Salt Diets
909 Can Animals Envision the Future? Scientists Spar Over New Data
910 Biology of Genomes Meeting
Long Noncoding RNAs May Alter Chromosome’s 3D Structure
In Latino Genomes, a Rich Source of History
911 NSF Says No to Legislator Seeking Reviewer Comments
913 Two Proofs Spark a Prime Week for Number Theory

NEWS FOCUS
914 Hubs Aim to Reinvent DOE Research Culture
919 Are Isle Royale’s Wolves Chasing Extinction?
>> Science Podcast

LETTERS
923 Shark Mislabeling Threatens Biodiversity
H. Bornatowski et al.
Pollination Decline in Context
J. Ghazoul
Response
J. M. Tylanakis
924 CORRECTIONS AND CLARIFICATIONS
924 TECHNICAL COMMENT ABSTRACTS

BOOKS ET AL.
926 The Nature and Nurture of Love
M. Vicedo, reviewed by B. Harris

POLICY FORUM
927 Economic Rewards to Motivate Blood Donations
N. Lacetera et al.
>> Science Podcast

PERSONALITIES
929 Culture, Genes, and the Human Revolution
S. E. Fisher and M. Ridley
930 A Sweet Send-Off
B. Kleizen and I. Braakman
>> Report p. 978
932 One Good Measure
M. R. Schreiber
>> Report p. 950
933 More Power from Below
J. N. Moore and S. F. Simmons
935 All Change for Nanocrystals
M. Ibañez and A. Cabot
>> Report p. 964
936 Unveiling the Malaria Parasite’s Cloak of Invisibility?
N. Philip and A. P. Waters
>> Report p. 984
937 Antigen Processing Takes a New Direction
N. Goonetilleke and A. J. McMichael
>> Research Article p. 940
939 Retrospective: François Jacob (1920–2013)
L. Shapiro and R. Losick

RESEARCH ARTICLES
940 Cytomegalovirus Vectors Violate CD8+ T Cell Epitope Recognition Paradigms
S. G. Hansen et al.
A vaccine that uses one virus to deliver components of a second virus elicits T cells that recognize noncanonical epitopes.
Research Article; for full text: http://dx.doi.org/10.1126/science.1237874
>> Perspective p. 937

CONTENTS continued >>

ON THE WEB THIS WEEK
>> Policy Podcast
Listen to an interview with outgoing Science News Editor Colin Norman.

>> Find More Online
Check out Science Express, our podcast, videos, daily news, our research journals, and Science Careers at www.sciencemag.org.

DEPARTMENTS
899 This Week in Science
902 Editors’ Choice
904 Science Staff
995 New Products
996 Science Careers

www.sciencemag.org SCIENCE VOL 340 24 MAY 2013
Published by AAAS

COVER
A Classopollis meyeriana conifer pollen grain (~30 micrometers across) preserved in lake sediments deposited just after a massive, volcano-induced extinction event ~200 million years ago. This fossilized pollen grain is representative of the low-diversity plant assemblages found within the tropics of the Pangean supercontinent during the postextinction recovery period. See page 941.

Image: Dee Breger and Sarah Fowell/Science Source
REPORTS

950 An Accurate Geometric Distance to the Compact Binary SS Cygni Vindicates Accretion Disc Theory
J. C. A. Miller-Jones et al.

952 Taxel-Addressable Matrix of Vertical-Nanowire Piezotronic Transistors for Active and Adaptive Tactile Imaging
W. Wu et al.

957 Periodic Segregation of Solute Atoms in Fully Coherent Twin Boundaries
J. F. Nie et al.

960 Separation of Hexane Isomers in a Metal-Organic Framework with Triangular Channels
Z. R. Herm et al.

964 Galvanic Replacement Reactions in Metal Oxide Nanocrystals
M. H. Oh et al.

966 The Cells and Circuitry for Itch Responses in Mice
S. K. Mishra and M. A. Hoon
Natriuretic polypeptide b is the primary neurotransmitter in TRPV1-expressing, itch-sensitive afferent nerve fibers.

972 Changes in Taste Neurons Support the Emergence of an Adaptive Behavior in Cockroaches
A. Wada-Katsumata et al.
Some German cockroaches find glucose both sweet and bitter, which allows them to avoid baited traps.

976 Ribosomal Protein SA Haploinsufficiency in Humans with Isolated Congenital Asplenia
A. Bolze et al.
A rare human disorder, characterized by the absence of a spleen at birth, is associated with mutations in a ribosomal protein.

981 Identification of a Heteromeric Complex That Promotes DNA Replication Origin Firing in Human Cells
D. Boos et al.
A protein implicated in oncogenesis is found to be critical for DNA replication in plants and animals.

984 The Human Malaria Parasite Pfs47 Gene Mediates Evasion of the Mosquito Immune System
A. Molina-Cruz et al.
A surface protein of Plasmodium falciparum oocytes allows them to evade the complement-like responses of Anopheles gambiae.

987 Tetrahydrobiopterin Biosynthesis as an Off-Target of Sufa Drugs
H. Haruki et al.
A structural analysis reveals that a wide range of sulfide drugs inhibit neurotransmitter biosynthesis.

991 Defining Single Molecular Forces Required to Activate Integrin and Notch Signaling
X. Wang and T. Ha
A piconewton (pN) tension gauge reveals that less than 12 pN suffices to activate Notch.