On Palmyra Atoll in the central Pacific, a restoration project seeks to remove millions of invasive coconut palms.
1063 Secrets of the Vikings
The violent seafarers are brought to vivid life in a rich synthesis of old and new scholarship
By T. H. McGovern

1064 A history of insatiable intellectuals
Proficient in a range of topics, polymaths are overlooked as often as they are celebrated
By A. Robinson

LETTERS

1065 Development projects jeopardize India’s forests
By S. Khadakkar

1065 North African forests falling to charcoal
By R. Khelifa

1066 Protect Iran’s Zagros forests from wildfires
By M. Kheshti

1066 Errata

RESEARCH

IN BRIEF

1069 From Science and other journals

REVIEW

1072 Paleoeology
Using paleo-archives to safeguard biodiversity under climate change
D. A. Fordham et al.
REVIEW SUMMARY: FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.ABC5654 PODCAST

RESEARCH ARTICLES

1073 Microbial engineering
A heterogeneous microbial consortium producing short-chain fatty acids from lignocellulose
R. L. Shahab et al.
RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.ABB1214

1074 Neuroscience
A synthetic synaptic organizer protein restores glutamatergic neuronal circuits
K. Suzuki et al.
RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.ABB4853 PERSPECTIVE p. 1052

1075 Cell biology
Seeing around corners: Cells solve mazes and respond at a distance using attractant breakdown
J. Tweddy et al.
RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.AAV9792

1076 Neuroscience
Neural mechanisms resolving exploitation-exploration dilemmas in the medial prefrontal cortex
P. Domenech et al.
RESEARCH ARTICLE SUMMARY: FOR FULL TEXT: DX.DOI.ORG/10.1126/SCIENCE.ABB0184 PERSPECTIVE p. 1056

1077 Microbiology
Diverse enzymatic activities mediate antiviral immunity in prokaryotes
L. Gao et al.

1084 Quantum computing
Hartree-Fock on a superconducting qubit quantum computer
Google AI Quantum and Collaborators
PERSPECTIVE p. 1054

1089 Structural biology
Architecture of a catalytically active homotrimERIC plant cellulose synthase complex
P. Purushotham et al.

REPORTS

1094 Bacterial metabolism
A nitrogenase-like enzyme system catalyzes methionine, ethylene, and methane biogenesis
J. A. North et al.

1099 Electrochemistry
Accelerating water dissociation in bipolar membranes and for electrocatalysis
S. Z. Oener et al.

1104 Carbon nanotubes
Super-durable ultralong carbon nanotubes
Y. Bai et al.

1106 Coronavirus
Serial interval of SARS-CoV-2 was shortened over time by nonpharmaceutical interventions

1110 Cosmochemistry
Earth’s water may have been inherited from material similar to enstatite chondrite meteorites
L. Piani et al.
PERSPECTIVE p. 1058

1113 Organic chemistry
Static to inducibly dynamic stereocontrol: The convergent use of racemic β-substituted ketones
J. S. DeHovitz et al.

1119 Coronavirus
Structural basis of a shared antibody response to SARS-CoV-2
M. Yuan et al.

1123 Flaviviruses
Zika virus infection enhances future risk of severe dengue disease
L. C. Katzelnick et al.
PERSPECTIVE p. 1055

1128 Immunogenomics
Mosquito cellular immunity at single-cell resolution
G. Raddi et al.

1132 Protein design
Expanding the space of protein geometries by computational design of de novo fold families
X. Pan et al.

DEPARTMENTS

1035 Editorial
The danger of DIY vaccines
By Arthur L. Caplan and Alison Bateman-House

1138 Working Life
One, two, three, thrive
By Sieun Ruth Lee

ON THE COVER

The Sycamore quantum processor, composed of an array of superconducting transmon qubits, simulates the energy of the diazene molecule in various conformations. By combining error mitigation and improved qubit calibration techniques, the simulation accurately models the isomerization pathway that reorients the hydrogen atoms (white) about the central bonds between nitrogen atoms (blue). See pages 1054 and 1084. Illustration: C. Bickel/Science

Science Staff ............................................1034
AAAS News & Notes ......................................1067
Science Careers ........................................1137

SCIENCE sciencemag.org

Published by AAAS

28 AUGUST 2020 • VOL 369 ISSUE 6507 1033