SPECIAL SECTION

Exoplanets

INTRODUCTION
565  Alien Worlds Galore

NEWS
566  Gallery of Planet Hunters
570  … And a Glossary of Their Quarry
    >> Science Podcast

EDITORIAL
525  Is Any Science Safe?
Kenneth Prewitt

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

NEWS & ANALYSIS
534  Bill Would Set New Rules for Choosing NSF Grants
535  Research in Limbo as Harvard Moves to Close Center
536  Bill and Melinda Gates Talk Science
539  Scientists Clash Swords Over Future of GM Food Crops in India
540  Hansen’s Retirement From NASA Spurs Look at His Legacy

NEWS FOCUS
542  Mr. Borucki’s Lonely Road to the Light
    >> Exoplanets section p. 565; Report p. 587
546  Taking the Pulse of a Ravaged Ocean
    The Pacific Swallows Fukushima’s Fallout

LETTERS
548  Geoengineering: Guidance Exists
P. S. Corden
Geoengineering: Perilous Particles
B. Fadeel et al.
549  Life in Science: The Legend of Owen

BOOKS ET AL.
550  Surfaces and Essences
D. Hofstadter and E. Sander, reviewed by K. J. Holyoak
551  Faking It
M. Fineman, curator; Faking It
M. Fineman

POLICY FORUM
552  Global Research Integrity Training
N. H. Steneck

ON THE WEB THIS WEEK
>> Special Issue Slideshow
Check out a gallery of planet hunters.
>> Find More Online
Check out Science Express, our podcast, videos, daily news, our research journals, and Science Careers at www.sciencemag.org.
Self-Assembling Cages from Coiled-Coil

Kepler-62: A Five-Planet System

Emergence and Frustration of Magnetism

Silencing a Metabolic Oncogene

Complex N-Heterocycle Synthesis

As Good as Chocolate

Unconventional Secretion,

Seeing Gravitational Waves

Reports pp. 610 and 615

>> Reports pp. 622 and 626

>> Reports pp. 610 and 615

>> Perspective p. 554

>> Perspective p. 562

>> Perspective p. 561

599 Amplifying Genetic Logic Gates
J. Bonnet et al.
A genetic circuit architecture resembling a transistor can be engineered into individual live cells.

560 Controlled Flight of a Biologically Inspired, Insect-Scale Robot
K. Y. Ma et al.
A fly-scale, flapping-wing robot has been fabricated and can be controlled to perform unconstrained flight maneuvers.

569 3D Reconstruction of the Source and Scale of Buried Young Flood Channels on Mars
G. A. Morgan et al.
Radar data taken from orbit reveal the complex morphology of buried flood channels in a young region of Mars.

559 Structural Basis for Molecular Recognition at Serotonin Receptors
C. Wang et al.
Structures of serotonin receptor family members in complex with the fungal alkaloid ergot offer clues for drug designers.

583 Emergence and Frustration of Magnetism with Variable-Range Interactions in a Quantum Simulator
R. Islam et al.
Coulomb interactions in a system of 16 trapped ions are used to simulate magnetism with varying degrees of frustration.

561 Obey the Peptide Assembly Rules
M. S. Ardejani and B. P. Orner
>> Report p. 595

562 As Good as Chocolate
K. Palczewski and P. D. Risher
>> Report p. 610 and 615

587 Kepler-62: A Five-Planet System with Planets of 1.4 and 1.6 Earth Radii in the Habitable Zone
W. J. Borucki et al.
The Kepler mission detected a five-planet system with two small planets in the habitable zone of a star lighter than the Sun.

591 Complex N-Heterocycle Synthesis via Iron-Catalyzed, Direct C–H Bond Amination
E. T. Hennessy and T. A. Betley
An iron catalyst facilitates carbon–nitrogen bond formation in previously unreactive substrates.

595 Self-Assembling Cages from Coiled-Coil Peptide Modules
J. M. Fletcher et al.
Hexagonal networks form from heterodimeric and homotrimeric coiled-coils and create ~100-nanometer-diameter cages.

603 Disparate Individual Fates Compose Robust CD8+ T Cell Immunity
V. R. Buchholz et al.
Heterogeneous Differentiation Patterns of Individual CD8+ T Cells
C. Gerlach et al.
The single-cell dynamics as cytotoxic T cells respond to a bacterial infection are analyzed in mice.

607 Neural Decoding of Visual Imagery During Sleep
T. Horikawa et al.
Machine-learning models can predict specific visual dream contents from brain activity measurement alone.