EDITORIAL
235  Influenza and the Live Poultry Trade
George F. Gao

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

NEWS & ANALYSIS
243  U.S. Support for ITER Wavers as Costs Spiral
244  ‘Humanized’ Mouse Detects Deadly Drug Side Effects
245  Ancient DNA Holds Clues to Gene Activity in Extinct Humans
  >> Science Express Report by D. Gokhman et al.
247  More Sophisticated Forecasts Yield Glimmer of Hope in Climate Gloom
249  Almost-Earth Tantalizes Astronomers With Promise of Worlds to Come
  >> Report p. 277

NEWS FOCUS
250  Into the Maelstrom

LETTERS
254  Climate Discussion Echoes Tobacco Debate
  R. J. Gould and E. Maibach
  Integrating Psychological Treatment Approaches
  B. D. Kelly
  Uganda Homosexuality Report in Context
  M. Wayengera
255  Life in Science: Weeds Making Waves
  D. S. Johnson
255  CORRECTIONS AND CLARIFICATIONS

BOOKS ET AL.
256  Behind the Curve
  J. P. Howe, reviewed by G. A. Schmidt

POLICY FORUM
257  Particulate Matter Matters
  F. Dominici et al.

PERSPECTIVES
260  Avoiding (Re)extinction
  B. A. Minteer et al.
261  Exploring the Interface of Graphene and Biology
  K. Kostarelos and K. S. Novoselov
263  Refractory Plasmonics
  U. Guler et al.
264  Myelin—More than Insulation
  R. D. Fields
  >> Report p. 319
266  Novelty Trumps Loss in Global Biodiversity
  J. M. Pandolfi and C. E. Lovelock
  >> Report p. 296
267  Paired Plant Immune Receptors
  M. T. Nishimura and J. L. Dangl
  >> Report p. 299

CONTENTS continued >>

ON THE WEB THIS WEEK
>> Science Podcast
On this week’s show: observation of a distinctive binary star system and a roundup of stories from our daily news site.

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

292 Assemblage Time Series Reveal Biodiversity Change but Not Systematic Loss
M. Dornelas et al.
Ecological communities are experiencing changes in species composition rather than unidirectional loss.
>> Perspective p. 266

296 Missing Gas-Phase Source of HONO
X. Li et al.
The tropospheric production of HONO from a light-dependent gas-phase source raises questions about its impact on OH.

REPORTS

275 KOI-3278: A Self-Lensing Binary Star System
E. Kruse and E. Agol
A white dwarf that eclipses a Sun-like star enhances, rather than dims, its brightness through relativistic effects.
>> Science Podcast

277 An Earth-Sized Planet in the Habitable Zone of a Cool Star
E. V. Quintana et al.
NASA’s Kepler mission revealed that the fifth and outermost planet orbiting Kepler-186 is capable of hosting liquid water.
>> News story p. 249

280 Emergent Space-Time Supersymmetry at the Boundary of a Topological Phase
T. Grover et al.
An elusive symmetry is predicted to emerge at the boundary of an exotic condensed matter system.

283 Strong Increase of T, of SrRuO4 Under Both Tensile and Compressive Strain
C. W. Hicks et al.
An apparatus that can apply both tensile and compressive strain is used to study an unconventional superconductor.

286 Wafer-Scale Growth of Single-Crystal Monolayer Graphene on Reusable Hydrogen-Terminated Germanium
J.-H. Lee et al.
Wafer-scale single-crystal monolayer graphene can be repeatedly grown on a hydrogen-terminated germanium (110) surface.

289 Ultimate Permeation Across Atomically Thin Porous Graphene
K. Celebi et al.
Atomically thin nanoporous graphene membranes can sustain ultimate permeation in mass transport.

292 Missing Gas-Phase Source of HONO Inferred from Zeppelin Measurements in the Troposphere
X. Li et al.
The tropospheric production of HONO from a light-dependent gas-phase source raises questions about its impact on OH.