NEWS

IN BRIEF

552 News at a glance

IN DEPTH

556 FROM A TWEET, A MARCH FOR SCIENCE IS BORN
Plans for 22 April demonstrations spread to more than 100 cities around the world By L. Wessel

557 GRAD STUDENTS, POSTDOCS WITH U.S. VISAS FACE UNCERTAINTY
New worries over draft order on skilled worker visas By M. Wadman and R. Stone

558 WORLD’S MOST ENDANGERED MARINE MAMMAL DOWN TO 30
Acoustic survey speeds last-ditch plans to round up the vaquita—for its own good By V. Morell

559 New Zealand’s endemic dolphins are hanging by a thread By C. Pala

560 DEBATE HEATS UP OVER BLACK HOLES AS DARK MATTER
Observations of compact little galaxies challenge idea that primordial black holes can explain missing mass By A. Cho

561 WHY ARE GRIZZLIES DYING ON CANADA’S RAILWAY TRACKS?
Flurry of studies offers ways to keep wildlife safe from speeding trains By C. Derwortz

552 News at a glance

PERSPECTIVES

577 FINDING ENZYMES IN THE GUT METAGENOME
Metagenomic data help to elucidate enzymatic pathways in the human gut microbiome By M. E. Glasner

578 TZAP OR NOT TO ZAP TELOMERES
A protein triggers the trimming of overly long chromosomes By G. Lossaint and J. Lingner

580 MACHINE LEARNING FOR QUANTUM PHYSICS
An artificial neural network can discover the ground state of a quantum many-body system By M. R. Hush

581 MOBILE ELEMENTS CONTROL STEM CELL POTENCY
A microRNA suppresses transposons and bars pluripotent stem cells from totipotency By H. Hasuwa and H. Siomi

582 FLIPPING NANOSCOPY ON ITS HEAD
Fluorescent imaging with minimal photon flux can achieve single-nanometer resolution By J. Xiao and T. Ha

584 MEASUREMENT ERROR AND THE REPLICATION CRISIS
The assumption that measurement error always reduces effect sizes is false By E. Loken and A. Gelman

586 M. G. K. MENON (1928–2016)
A pioneer in particle physics and a great statesman for science in India By B. V. Sreekantan and R. Cowsik

BOOKS ET AL.

587 GAME CHANGERS
A pair of climate-focused expansions promises smart fun for board game enthusiasts By A. Chuang

588 REVEALING RORSCHACH
A new biography challenges common misconceptions about the famous psychological tool and the man behind it By E. McKay

SCIENCE ADVISE IN THE TRUMP WHITE HOUSE
The president needs an effective science adviser and science policy office By K. R. W. Matthews et al.

POLICY FORUM

574 SCIENCE ADVICE IN THE TRUMP WHITE HOUSE
The president needs an effective science adviser and science policy office By K. R. W. Matthews et al.

FEATURES

562 A MATTER OF FACT By D. Malakoff
564 RULES OF EVIDENCE
Are chemical regulators getting the best science? By W. Cornwall
565 POLITICS VS. DATA ON NEEDLE SWAPS
By D. Malakoff
567 CLEAR FINDINGS, SMOGGY DEBATE
By D. Malakoff
568 NO EASY ANSWERS
What does it mean to ask whether a prekindergarten math program “works”? By J. Mervis
569 PUTTING THE BRAKES ON HIGHWAY DEATHS By D. Malakoff
571 A SIMPLE RECIPE FOR SAVING LIVES By D. Malakoff
572 HOW TO BE HEARD By E. Stokstad
572 GENETIC DIVIDE By D. Malakoff
573 DATA FOR ALL?
New U.S. panel examines obstacles to using administrative data for policy By J. Mervis

SEE ALSO ➤ EDITORIAL P. 551 ➤ POLICY FORUM P. 574 ➤ PODCAST

ON THE COVER

Even in a “postfactual” world, most researchers and officials believe the best evidence that science can muster should shape policymaking. But ideology, religious views, and economic concerns often complicate the path from evidence to policy. See pages 551, 562, and 574. Illustration: Davide Bonazzi