

Weekly Science Report

February 28, 2025

“Mankind must put an end to war, or war will put an end to mankind.”

John F. Kennedy

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Introduction

Steve Detwiler created this publication with the support of Graham Hancock and the late John Anthony West to share news and information on various disciplines to include but not limited to paleontology, space sciences, genetics, and archaeology. His goal behind sharing this publication has always been very simple, by sharing knowledge we can make our world a better place. This publication is Mr. Detwiler's contribution to bring people together and share ideas and discoveries with his fellow humans.

I hope you enjoy this publication and that the content challenges and inspires you!

The Weekly Science Report is also on social media at:

- Facebook: <https://www.facebook.com/weeklysciencertpt/>
- Twitter: <https://twitter.com/wklysciencertpt>

News Articles

Paleontology, Evolution and Prehistoric Studies

The Truth About the Sex Lives of Dinosaurs

https://www.smithsonianmag.com/science-nature/the-truth-about-the-sex-lives-of-dinosaurs-180986088/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Neanderthal 'population bottleneck' around 110,000 years ago may have contributed to their extinction

<https://www.livescience.com/archaeology/neanderthal-population-bottleneck-around-110-000-years-ago-may-have-contributed-to-their-extinction>

Time and life cycles reflected in the grinding stones of Europe's earliest Neolithic communities

<https://phys.org/news/2025-02-life-stones-europe-earliest-neolithic.html>

New Göbekli Tepe Discoveries Disprove Earlier Theories About Its Purpose

<https://greekreporter.com/2025/02/27/new-gobekli-tepe-discovery-disprove-earlier-theories/>

Discovery Reveals 7,000-Year-Old Evidence of Human Presence in the Adriatic

<https://greekreporter.com/2025/03/01/human-presence-adriatic/>

History

'Devastated and heartbroken': Federal layoffs could force Haskell, SIPI to close

https://ictnews.org/news/devastated-and-heartbroken-federal-layoffs-could-force-haskell-sipi-to-close?fbclid=IwY2xjawlgxQ5leHRuA2FlbQlXMQABHQMvZjKtYXegsuiYtP0tprD312B8qwfYLvn77OQrpXLxfDvnethm2plrg_aem_Qn-8gOq2p206ZrXQdd6k1g

The New Explosive Theory About What Doomed the Crew of the 'Hunley'

https://www.smithsonianmag.com/history/new-explosive-theory-what-doomed-crew-hunley-180974159/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

This 1,600-Year-Old Filter Helped Ancient Drinkers Sip Beverages Through a Straw

https://www.smithsonianmag.com/smart-news/this-1600-year-old-filter-helped-ancient-drinkers-sip-beverages-through-a-straw-180986073/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Inside the Shadowy World of a Notorious Art Looter Who Eluded Justice

https://news.artnet.com/art-world/nazi-art-loot-bruno-lohse-pbs-plunderer-2610279?fbclid=IwY2xjawlIWtpleHRuA2FlbQlXMQABHbrzm1ncghP9XyzEWW65i00r_kFUUrZllbSq5s_2qCOvKi6fne7Ps77JDQ_aem_UtG9cQvj1HQNctxOxPtZLw

An encroaching desert threatens to swallow Mauritania's homes and history

https://apnews.com/article/mauritania-desert-chinguetti-desertification-fddd80d31620355b06afca4cc9f94d99?utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Facebook&fbclid=IwY2xjawlIbKRleHRuA2FlbQlXMQABHbdXw3VHn8ahZmSogN3goRRcx7fAh9gODg_VvmZ42tL_ni2_6l9q5K9Psg_aem_Od0AmuhsID-AFve1c_8GwQ

DNA From Beethoven's Hair Reveals Clues About His Death

https://www.smithsonianmag.com/smart-news/dna-from-beethovens-hair-reveals-clues-about-his-death-180981870/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Sparta Was Much More Than an Army of Super Warriors

https://www.smithsonianmag.com/history/sparta-much-more-army-warriors-180978583/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

The Enduring Mystery of the Somerton Man, One of Australia's Most Puzzling Cold Cases

https://www.smithsonianmag.com/history/the-enduring-mystery-somerton-man-one-of-australias-most-puzzling-cold-cases-50795611/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Abraham Lincoln Is the Only President Ever to Have a Patent

https://www.smithsonianmag.com/history/abraham-lincoln-only-president-have-patent-131184751/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

World's oldest runestone may have been signed by a woman, researchers say

https://www.nbcnews.com/news/world/worlds-oldest-runestone-norway-woman-signature-rcna193400?cid=sm_npd_nn_fb_ma

Tamil Nadu's discoveries rewrite the Iron Age timeline and South India's past

https://frontline.thehindu.com/arts-and-culture/heritage/iron-age-ancient-tamil-nadu-archaeology-history/article69210433.ece?fbclid=IwZXh0bgNhZW0CMTEAAR1gZrr48-zp8NfRrxvitG17ri4QccmDRRBpocHf5gtff5OrQRQvII8C21w_aem_DM5B2sWxVFZwSgk_4RHI7A&sfnsn=mo

The Secret World War II History of Koh Samui, the New Setting for 'The White Lotus'

https://www.smithsonianmag.com/travel/the-secret-world-war-ii-history-of-koh-samui-the-new-setting-for-the-white-lotus-180986137/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

The Great Wall of China Might Be Older Than We Thought

https://www.smithsonianmag.com/smart-news/the-great-wall-of-china-might-be-older-than-we-thought-180986112/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Reclusive Surrealist Painter Is Searching for His Lost Masterpieces

https://www.smithsonianmag.com/smart-news/reclusive-surrealist-painter-is-searching-for-his-lost-masterpieces-180986142/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

This 18th-Century Sketch by a Renowned English Portraitist Was Hiding in a Dumpster in New York

https://www.smithsonianmag.com/smart-news/this-18th-century-sketch-by-a-renowned-english-portraitist-was-hiding-in-a-dumpster-in-new-york-180986114/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

A Meditation on the Legacy of Frederick Douglass by Artist and Filmmaker Isaac Julien

https://www.smithsonianmag.com/blogs/smithsonian-american-art-museum/2025/02/28/a-meditation-on-the-legacy-of-frederick-douglass-by-artist-and-filmmaker-isaac-julien/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

These 15 Photos Capture What Makes America's National Historic Landmarks So Iconic

https://www.smithsonianmag.com/travel/these-15-photos-capture-what-makes-americas-national-historic-landmarks-so-iconic-180985866/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Shared Experiences Through the Ongoing Virtual Mother Tongue Film Festival

https://www.smithsonianmag.com/blogs/smithsonian-center-folklife-cultural-heritage/2025/02/27/shared-experiences-at-home-and-around-the-world-through-the-mother-tongue-film-festival/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

ON THE ORIGIN OF THE PORK TABOO

<https://archaeology.org/issues/march-april-2025/letters-from/on-the-origin-of-the-pork-taboo/>

Was This Little-Known Standoff Between British Soldiers and Colonists the Real Start of the American Revolution?

<https://www.smithsonianmag.com/history/was-this-little-known-standoff-between-british-soldiers-and-colonists-the-real-start-of-the-american-revolution-180986105/>

The Real Story Behind 'Nickel Boys' and the Brutal Florida Reform School That Inspired the Film

<https://www.smithsonianmag.com/history/the-real-story-behind-nickel-boys-and-the-brutal-florida-reform-school-that-inspired-the-film-180986098/>

How Roman society integrated people who altered their bodies and defied gender norms

<https://phys.org/news/2025-02-roman-society-people-bodies-defied.html>

Ancient DNA reveals mysterious origins of the Huns who sacked Rome

<https://www.livescience.com/archaeology/ancient-dna-reveals-mysterious-origins-of-the-huns-who-sacked-rome>

New study reveals harsh realities of childhood in the pre-Columbian Andes

<https://phys.org/news/2025-02-reveals-harsh-realities-childhood-pre.html>

Archaeology

Laser mapping reveals massive ancient Zapotec city in Mexican forest

<https://www.theartnewspaper.com/2025/02/18/laser-analysis-reveals-zapotec-city-guiengola-mexico>

Vivid Wall Paintings Unearthed at a 2,500-Year-Old Etruscan Necropolis in Italy

https://www.smithsonianmag.com/smart-news/vivid-wall-paintings-unearthed-at-a-2500-year-old-etruscan-necropolis-in-italy-180986067/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Archaeologists discover oldest evidence of stone blade production on the Arabian Peninsula

https://phys.org/news/2025-02-archaeologists-oldest-evidence-stone-blade.html?fbclid=IwZXh0bgNhZW0CMTEAAR1dl_GL7COIMdqTtpnQp7FfT6VLpHUhEmqKf4R5traval6PTMXuMTOWFbc_aem_0xTHZxLgAhJtpzTnSGKa1w&sfnsn=mo

Man Vandalizes Famed 12-Angled Stone, an Inca Engineering Marvel in Peru

https://www.smithsonianmag.com/smart-news/man-vandalizes-famed-12-angled-stone-an-inca-engineering-marvel-in-peru-180986092/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

100-Year-Old Shipwreck Discovered 800 Feet Below Lake Superior

https://www.smithsonianmag.com/smart-news/100-year-old-shipwreck-discovered-in-lake-superior-180983083/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Archaeologists Discover 1,700-Year-Old Jade Mask Inside the Tomb of a Maya King

https://www.smithsonianmag.com/smart-news/archaeologists-discover-a-1700-year-old-jade-mask-inside-tomb-ancient-maya-king-180983719/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

See the Stunning Frescoes of a Mysterious Dionysian Cult Discovered in Ancient Pompeii

https://www.smithsonianmag.com/smart-news/see-the-stunning-frescoes-of-a-mysterious-dionysian-cult-discovered-in-ancient-pompeii-180986133/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Archaeologists reveal the enigmatic burial practices of the Southern Jê

<https://phys.org/news/2025-02-archaeologists-reveal-enigmatic-burial-southern.html>

Excavation reveals advanced porcelain tech predating Yuan Dynasty in China

https://www.ipost.com/archaeology/archaeology-around-the-world/article-843805#google_vignette

Hellenistic cult site found near underground river in Italy

<https://www.ipost.com/archaeology/archaeology-around-the-world/article-843991>

Vesuvian ash cloud suspected of turning brain to glass

<https://phys.org/news/2025-02-vesuvian-ash-cloud-brain-glass.html>

Egyptology

Egypt announces first discovery of a royal tomb since King Tutankhamun's was found over a century ago

https://www.cbsnews.com/news/egypt-discovery-king-thutmose-ii-ancient-royal-tomb/?ftag=CNM-00-10aab6a&linkId=751109029&fbclid=IwY2xjawlhrgdleHRuA2FlbQlxMQABHR9LYkLXU8NSLdOQXXxQ0594aaK0BRpEcFvIBzkhJY12UXyi_gof1FHO4Q_aem_TOnlKSP20HwY43pW0HtaGQ

AN EGYPTIAN TEMPLE REBORN

<https://archaeology.org/issues/march-april-2025/features/an-egyptian-temple-reborn/>

General Science

Mass firings decimate U.S. science agencies

<https://www.science.org/content/article/mass-firings-decimate-u-s-science-agencies>

National Science Foundation Mass Firings Go Beyond Trump's Orders, Sparking Outrage

https://www.scientificamerican.com/article/national-science-foundation-mass-firings-go-beyond-trumps-orders-sparking/?utm_campaign=sprinklr&utm_medium=social&utm_source=linkedin

USDA suspends scholarship program at historically Black colleges, website shows

https://www.reuters.com/world/us/usda-suspends-scholarship-program-historically-black-colleges-website-shows-2025-02-20/?utm_campaign=trueAnthem%3A+Trending+Content&utm_medium=trueAnthem&utm_source=facebook&fbclid=IwY2xjawlljtBleHRuA2FlbQlxMQABHbfKjMtDYdvJRISlaBD0N8vf6M1hfo3be6Vp81VJ2uKTLyFNJw18VHpfA_aem_jeMLukbQYcnj5_WUaxEJnQ

Physics, Earth and Space Sciences

Chance of Asteroid Strike in 2032 Drops Sharply After Record-Setting Rise. Here's Why It Keeps Changing

https://www.smithsonianmag.com/smart-news/chance-of-asteroid-strike-in-2032-drops-sharply-after-record-setting-rise-heres-why-it-keeps-changing-180986096/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

James Webb Telescope Reveals a Dazzling Light Show From the Milky Way's Black Hole

https://www.smithsonianmag.com/smart-news/james-webb-telescope-reveals-a-dazzling-light-show-from-the-milky-ways-black-hole-180986091/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Why Auroras Are Suddenly Everywhere All at Once

https://www.smithsonianmag.com/science-nature/why-auroras-are-suddenly-everywhere-all-at-once-180986006/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Athena Spacecraft Launches to the Moon, as Intuitive Machines Aims for Historic Second Lunar Landing

https://www.smithsonianmag.com/smart-news/athena-spacecraft-launches-to-the-moon-as-intuitive-machines-aims-for-historic-second-lunar-landing-180986131/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Is the ISS Too Clean for Astronauts' Health? New Study Finds the Space Station Lacks Microbial Diversity

https://www.smithsonianmag.com/smart-news/is-the-iss-too-clean-for-astronauts-health-new-study-finds-the-space-station-lacks-microbial-diversity-180986141/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

The Asteroid Hit by NASA Seems to Be Moving Strangely, High School Students Find

https://www.smithsonianmag.com/smart-news/the-asteroid-hit-by-nasa-seems-to-be-moving-strangely-high-school-students-find-180982874/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

SpaceX Rocket Stage Burns Up Over Europe and Crashes in Poland, While Blue Origin Debris Washes Ashore in the Bahamas

https://www.smithsonianmag.com/smart-news/spacex-rocket-stage-burns-up-over-europe-and-crashes-in-poland-while-blue-origin-debris-washes-ashore-in-the-bahamas-180986108/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

New limits found for dark matter properties from latest search

<https://www.eurekalert.org/news-releases/1074969>

Mysterious interstellar icy objects

<https://www.eurekalert.org/news-releases/1075295>

Blue Ghost, a Private U.S. Spacecraft, Lands on the Moon

<https://www.scientificamerican.com/article/blue-ghost-a-private-u-s-spacecraft-successfully-lands-on-the-moon/>

Einstein's General Relativity with a Twist: Teleparallelism

<https://www.scientificamerican.com/article/this-twist-on-einsteins-greatest-theory-deserves-more-attention/>

Environment, Climate Change and Alternative Energy Sources

Nothing to report

Biological, Genetics and Medical Sciences

Pod of 157 False Killer Whales Stranded on a Tasmania Beach Could Not Be Rescued, Wildlife Officials Say

https://www.smithsonianmag.com/smart-news/pod-of-157-false-killer-whales-stranded-on-a-tasmania-beach-could-not-be-rescued-wildlife-officials-say-180986093/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Will the Traditional Chinese Medicine Industry End the Pangolin?

https://www.smithsonianmag.com/science-nature/will-traditional-chinese-medicine-industry-end-the-pangolin-180985938/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

The quest to extend human life is both fascinating and fraught with moral peril

https://theconversation.com/the-quest-to-extend-human-life-is-both-fascinating-and-fraught-with-moral-peril-249430?utm_content=buffer82cb5&utm_medium=social&utm_source=bluesky&utm_campaign=buffer

Scientists Identify a Gene Linked to Spoken Language, and It Makes Lab Mice Squeak Differently

https://www.smithsonianmag.com/smart-news/scientists-identify-a-gene-linked-to-spoken-language-and-it-makes-lab-mice-squeak-differently-180986083/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

How a crucial DNA repair protein works—and what it means for cancer treatment

https://medicalxpress.com/news/2025-03-crucial-dna-protein-cancer-treatment.html#google_vignette

Other

Nothing to report

Additional Informational

U.S. education system doesn't rank worst in the world, and cost isn't highest
<https://www.politifact.com/factchecks/2025/feb/13/donald-trump/us-education-system-doesnt-rank-worst-in-the-world/>

NEMO Barometer on political influence on museums in Europe
https://www.ne-mo.org/news-events/article/nemo-barometer-on-political-influence-on-museums-in-europe/?fbclid=IwY2xjawlVuhleHRuA2FlbQlXMAABHYwigs0orlUK2wWMmaNThh5Mi3IOZkBQGQvbpi7B1oLPcX-qoror1QqnicQ_aem_7sub8OdH4xYhIW1J0FgH7g

NEMO and OBMIn launch cooperation to support Ukrainian museums
https://www.ne-mo.org/news-events/article/nemo-and-obmin-launch-cooperation-to-support-ukrainian-museums/?fbclid=IwY2xjawlXbFleHRuA2FlbQlXMQABHbBwS-un97Aja_AWqQR0nUNxTJK7QOfNsZRWzhheolNKfSJZW1dqtPmsA_aem_CvFu_7jb7HcBqJ3t7d_SuA

NASA, Mars Report
<https://science.nasa.gov/mars/the-mars-report/2025-february/>

Space tech: Experts name 12 transformative technologies reshaping our cosmic future
<https://www.weforum.org/stories/2025/02/space-12-transformative-technologies/>

A bold new chapter for TED
https://www.ted.com/talks/chris_anderson_a_bold_new_chapter_for_ted

Urge Congress to Institute Scientific Integrity Protections for Federal Scientists
https://secure.ucsusa.org/a/2025-scientific-integrity-federal-protections?utm_source=bluesky&utm_medium=social&utm_campaign=bs&ms=bluesky

An Agenda to Strengthen U.S. Democracy in the Age of AI
<https://www.brennancenter.org/our-work/policy-solutions/agenda-strengthen-us-democracy-age-ai>

How the Trump administration could end a century of American scientific dominance
https://thebulletin.org/2025/02/how-the-trump-administration-could-end-a-century-of-american-scientific-dominance/?utm_source=Bluesky&utm_medium=SocialMedia&utm_campaign=BLueskyPost022025&utm_content=ClimateChange_CenturyAmericanScience_02112025

Where are the rangers? The sad tale of your national parks this summer
https://www.anpr.org/release/2025/0218?fbclid=IwY2xjawlhx_dleHRuA2FlbQlXMQABHesXFTbPXYCMFfyChNAddroGIH17i2hon0TrhElpcRZ5W5gZbYF5_rqVRQ_aem_rdb43PSLKN0tebMe_37Otw&sfnsn=mo

Fusion Power: Enabling 21st Century American Dominance
https://www.scsp.ai/wp-content/uploads/2025/02/Final-Fusion-Power_-Enabling-21st-Century-American-Dominance.pdf

Finding Forgotten Cities - How the Indus Civilization was Discovered
https://www.amazon.com/Finding-Forgotten-Cities-Civilization-Discovered-ebook/dp/B09R2148RN/ref=sr_1_1?dib=eyJ2J2ljoIJSJ9.veK7pu2FeHin9Tc8KfqdHg.vZWmNJB1bkxxWueti2RDBZ2DQGPbP_BL11Bwvx8DAA&dib_tag=se&keywords=Finding+Forgotten+Cities+How+the+Indus+Civilization+Was+Discovered+by+Nayanjot+Lahiri&qid=1740441617&sr=8-1

Maryland State Arts Council, Tribal Land Acknowledgements

https://msac.org/resources/land-acknowledgements?fbclid=IwY2xjawlqvjZleHRuA2FlbQIxMAABHSxrVLCre8ul1pFB_146M7wLJx-KZkOrL2s78rKAP9wo1so-m1s_Gy9c9Q_aem_V-VjJ_JAiVsTimaLXHiUdw

International Science Council Newsletter

<https://us5.campaign-archive.com/?e=725b365f54&u=2e9b648776114e2888e7ea8c5&id=d9563bb028>

The Planetary Society welcomes the reconsideration of mass probationary employee layoffs at NASA

https://www.planetary.org/press-releases/the-planetary-society-welcomes-the-reconsideration-of-mass-probationary-employee-layoffs?utm_campaign=downlink&utm_medium=email&utm_source=20250228&s_src=downlink&s_subsrc=20250228