

Weekly Science Report

February 9, 2024

“Governments have no souls. They have only their own interests in mind. Individuals have souls. The common humanity of a people, not the power of governments is the only real protector of human rights.”

Remember This

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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/weeklysciencerpt/>
- Twitter: <https://twitter.com/wklysciencerpt>

News Articles

Paleontology, Evolution and Prehistoric Studies

Study of ancient adornments suggests nine distinct cultures lived in Europe during the Paleolithic

<https://phys.org/news/2024-01-ancient-adornments-distinct-cultures-europe.html?fbclid=IwAR04EzpVzL6wbQ652ElxNZ5KGWCV6wqZeUNn7-Edu8NrT7mhZuWsH7C9E6Q>

D-Day documentary among new History and Science titles for BBC Factual

https://rts.org.uk/article/d-day-documentary-among-new-history-and-science-titles-bbc-factual?fbclid=IwAR2i3jFe2z9L0f-xKY1W4M3A6EitzfQnh2yEDAlz_rV1ZblXXdpwSrQBxAy

90,000-year-old human footprints found on Moroccan beach

<https://phys.org/news/2024-01-year-human-footprints-moroccan-beach.html>

Experiments suggest ancient four-holed ivory baton was used to make rope

<https://phys.org/news/2024-02-ancient-holed-ivory-baton-rope.html>

European immigrants introduced farming to prehistoric North Africa, new research shows

<https://phys.org/news/2024-01-european-immigrants-farming-prehistoric-north.html>

Neanderthals and humans lived side by side in Northern Europe 45,000 years ago, genetic analysis finds

<https://phys.org/news/2024-01-neanderthals-humans-side-northern-europe.html>

New fossil site of worldwide importance uncovered in southern France

<https://www.eurekalert.org/news-releases/1033871>

Did art exist before modern humans? New discoveries raise big questions.

<https://www.livescience.com/archaeology/did-art-exist-before-modern-humans-new-discoveries-raise-big-questions>

History

US museums cover Native American displays as revised federal regulations take effect

<https://www.theartnewspaper.com/2024/01/29/us-museums-nagpra-native-american-displays-new-regulations>

Princeton University Art Museum identifies 16 artefacts linked to alumnus and alleged smuggler

<https://www.theartnewspaper.com/2024/01/26/princeton-university-antiquities-linked-alumnus-smuggler-edoardo-almagia>

"Priceless" painting stolen by New Jersey mobsters in 1969 is found and returned to owner's 96-year-old son

<https://www.cbsnews.com/news/the-schoolmistress-painting-stolen-mobsters-1969-returned-owners-96-year-old-son/?ftag=CNM-00-10aab6a&linkId=298254794&fbclid=IwAR2iXGsTwKuVewQ6iSBTVkmlwcfSqnFayTdz7HBrebPqig-42fXs3bTokqk>

International Holocaust Remembrance Day rings differently this year

<https://www.npr.org/2024/01/27/1227156540/international-holocaust-remembrance-day-rings-differently-this-year?sc=18&f=1001>

50-year-old Colorado cold case solved after DNA technology identifies woman's killer

<https://www.nbcnews.com/news/us-news/50-year-old-colorado-cold-case-solved-womans-killer-identified-dna-tec-rcna136805>

'We did it': Birch bark scrolls recovered from auction

<https://ictnews.org/news/we-did-it-birch-bark-scrolls-recovered-from-auction?fbclid=IwAR0514E5Sv8murOK7PM-M-6XIT8BPJsZrfU2-wwLawgjTf1TXx1-nn784-w>

First passages of rolled-up Herculaneum scroll revealed

https://www.nature.com/articles/d41586-024-00346-8?utm_medium=Social&utm_campaign=nature&utm_source=Facebook&fbclid=IwAR0IV0jajHEG2vxqluljYsNfnE789AAPOxBThRyNWhPIZhGUrgHjiyhaPPDM#Echobox=1707143222-1

Extreme weather, vandalism threatening Holocaust sites

https://www.axios.com/2024/02/05/extreme-weather-vandalism-threatening-holocaust-sites?utm_medium=social&utm_campaign=editorial&utm_source=twitter

Demand for minerals sparks fear of mining abuses on Indigenous peoples' lands

<https://www.npr.org/2024/01/29/1226125617/demand-for-minerals-sparks-fear-of-mining-abuses-on-indigenous-peoples-lands>

Researchers use ancient DNA to map migration during the Roman Empire

<https://phys.org/news/2024-01-ancient-dna-migration-roman-empire.html>

Millennia After Leonidas Made His Last Stand at Thermopylae, a Ragtag Band of Saboteurs Thwarted the Axis Powers in the Same Narrow Pass

<https://www.smithsonianmag.com/history/millennia-after-leonidas-made-his-last-stand-at-thermopylae-a-ragtag-band-of-saboteurs-thwarted-the-axis-powers-in-the-same-narrow-pass-180983705/>

Abraham Lincoln's Oft-Overlooked Campaign to Promote Immigration to the U.S.

<https://www.smithsonianmag.com/history/abraham-lincolns-oft-overlooked-campaign-to-promote-immigration-to-the-us-180983740/>

Undeciphered script from Easter Island may predate European colonization

<https://www.livescience.com/archaeology/undeciphered-script-from-easter-island-may-predate-european-colonization>

Archaeology

Amelia Earhart's long-lost plane possibly detected by sonar 16,000 feet underwater, exploration team claims

https://www.cbsnews.com/news/amelia-earhart-plane-possibly-detected-sonar-underwater-deep-sea-vision/?ftag=CNM-00-10aab6a&linkId=297786471&fbclid=IwAR2efpgY926W8oZ2w_SVKUmU9xY1x8G8YeFFFwH8j7KZwr_M2wio0VmtdJQ

Gold ornaments and other ancient treasures found in tomb of wealthy family in China

<https://www.cbsnews.com/news/ancient-treasures-found-tomb-wealthy-family-china/?ftag=CNM-00-10aab6a&linkId=301189528&fbclid=IwAR1AzQ9NxSh1dh1k9CL0TEqnnoPT1JQYPiHClhst62TzvXisuPK8G-maqso>

There Are 'Lost Civilizations' Under the Sea. Scientists Want to Find Them Before It's Too Late.

https://www.vice.com/en/article/7kxjde/there-are-lost-civilizations-under-the-sea-scientists-want-to-find-them-before-its-too-late?utm_source=vice_facebook&utm_medium=social&fbclid=IwAR3DMsXnxTAvgnYL7FcC0m4K2qr63IWXFhXR1_lv1GH0xi9lzY_bx2GnQgl

Was This Villa Pliny the Elder's Front-Row Seat to Mount Vesuvius' Eruption?

https://www.smithsonianmag.com/smart-news/this-ancient-mansion-may-have-been-pliny-the-elders-front-row-seat-to-mount-vesuvius-eruption-180983736/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=282024&utm_content=new&fbclid=IwAR3DdTqJIUuvYldR2OCUwCZCPgtk7ITGINYGjxQkY0HJcNgwAvw1TGyZUc

Archaeological Finds Reveal Advanced Mastery of Ancient Greek City Infrastructure

<https://greekreporter.com/2024/02/04/ancient-greeks-advanced-plumbing-drainage-water-systems/>

Bronze Jewels Found in Prehistoric Poland May Have Been Ritual Sacrifices

<https://www.haaretz.com/archaeology/2024-02-07/ty-article/bronze-jewels-found-in-prehistoric-poland-may-have-been-ritual-sacrifices/0000018d-7eda-d6dc-ab9f-7fffac880000>

Everyone Thought This 4,000-Year-Old Tomb Had Been Destroyed. Then, an Archaeologist Found It

<https://www.smithsonianmag.com/smart-news/lost-tomb-rediscovered-ireland-180983662/>

Mysterious pearl shells unearthed in French Polynesia

<https://phys.org/news/2024-01-mysterious-pearl-shells-unearthed-french.html>

Mysterious skeleton found in Hernán Cortés' palace revealed to be Indigenous woman, not Spanish monk

<https://www.livescience.com/archaeology/mysterious-skeleton-found-in-hernan-cortes-palace-revealed-to-be-indigenous-woman-not-spanish-monk>

Poseidon Temple in Greece Larger than Previously Assumed

<https://arkeonews.net/poseidon-temple-in-greece-larger-than-previous-assumed/>

Off the Grid: Ambrosio Cave, Cuba

<https://www.archaeology.org/issues/538-2401/digs/11946-off-the-grid-ambrosio-cave-cuba>

In the Time of the Copper Kings

<https://www.archaeology.org/issues/536-2401/features/11934-cyprus-bronze-age-copper-barons>

Egyptology

An ancient Egyptian temple in New York inspires a Lebanese American musician
<https://www.npr.org/2024/01/27/1226836657/h-sinno-mashrou-leila-temple-of-dendur?sc=18&f=1001>

Giza pyramid restoration project sparks outrage in Egypt
<https://www.thenationalnews.com/mena/egypt/2024/01/30/giza-pyramid-restoration-project-sparks-outrage-in-egypt/>

General Science

Can Machine Learning and Collaboration Protect Forests?

https://www.govtech.com/em/safety/can-machine-learning-and-collaboration-protect-forests?utm_campaign=Newsletter%20-%20GT%20-Emergency%20Management&utm_medium=email&_hsmi=291891458&_hsenc=p2ANqtz-85INU_6ITnzDqLo56TI_5_YH4WvDLFvuYSkwSIDmfhXCExGJ8m0iw8W6FVUIWkUTe_49aCYeMNCEYSJvb0Y5uHUCLDTIJTzVu5ArCsPI8H3sUMHg8&utm_content=291891458&utm_source=hs_email

Physics, Earth and Space Sciences

Japan's moon lander comes back to life

https://phys.org/news/2024-01-japan-moon-lander-life.html?fbclid=IwAR2gMgwXT_zXesv2Bp0AjRbuowuiKSqkzq9ERz-CbpneX35iFIH6twXhzs8

There's lots of water on the moon for astronauts. But is it safe to drink?

https://www.space.com/moon-water-astronauts-aqualunar-drinking-safety-contest?utm_campaign=socialflow&utm_content=space.com&utm_source=facebook.com&utm_medium=social&fbclid=IwAR0pDecZpfRcVFN_hjLcBkFr6xEKpmzpfDN0hcVSg1ukjcboWiZdR8aHkw

World's largest deep-sea coral reef found lurking beneath the Gulf Stream 'right on the doorstep' of US coast

https://www.livescience.com/planet-earth/rivers-oceans/worlds-largest-deep-sea-corals-found-lurking-beneath-the-gulf-stream-right-on-the-doorstep-of-us-coast?utm_source=facebook.com&utm_medium=social&utm_campaign=socialflow&utm_content=livescience&fbclid=IwAR1-jB4rp-e2MThD270pla3GWApn4WU0BynJzDcnR4g8q7kmukZJWPXVVhg

NASA retires Ingenuity, the little helicopter that made history on Mars

<https://www.npr.org/2024/01/25/1226983159/nasa-ingenuity-helicopter-mars-last-mission-damage?sc=18&f=1001>

Extraction of raw materials to rise by 60% by 2060, says UN report

<https://www.theguardian.com/environment/2024/jan/31/raw-materials-extraction-2060-un-report>

Harvard Scientist Presents New Evidence That Samples Are Alien Spacecraft

https://futurism.com/harvard-scientist-samples-alien-spacecraft?fbclid=IwAR345tVyJAC2nykuN14qnO8yaf2YWtp5Cq3kirUJ2RNbvKtiwDuhaGZGBLoUo_kE

Saturn's Death Star-looking moon may have vast underground ocean

https://apnews.com/article/saturn-moon-ocean-mimas-death-star-c506e45170f047096aaa5d093d05594c?utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Facebook&fbclid=IwAR0EYdstV9DOzZ3nAKgl9dSNoPvegiJAUhUVae6BFctm77ePqgxnyUo_kE

NASA announces new 'super-Earth': Exoplanet orbits in 'habitable zone,' is only 137 light-years away

<https://abcnews.go.com/US/nasa-super-earth-habitable-zone-exoplanet/story?id=106961506&fbclid=IwAR1PRhSI9PuGmxOJALf5FlhuEbA7v1EF2roMHjmam1eeD841VwY3pPtTzw>

Migration solves exoplanet puzzle

<https://www.eurekalert.org/news-releases/1033567>

Researchers discover cosmic dust storms from Type Ia supernova

<https://www.eurekalert.org/news-releases/1033853>

Results from South Pole Telescope's new camera emerge

<https://www.eurekalert.org/news-releases/1033963>

Chinese astronomers find radio pulsar in a supernova remnant

<https://phys.org/news/2024-02-chinese-astronomers-radio-pulsar-supernova.html>

Environment, Climate Change and Alternative Energy Sources

Sierra Leone's capital under threat from deforestation, UN report says

<https://www.reuters.com/business/environment/sierra-leones-capital-under-threat-deforestation-2024-01-23/>

The Next Diesel? GM and Honda Start U.S. Production of Hydrogen Fuel Cells

<https://www.motortrend.com/news/honda-general-motors-hydrogen-fuel-cell-production-start/>

Fresh water from thin air

https://www.nature.com/articles/d41586-023-03875-w?utm_medium=paid_social&utm_source=facebook&utm_content=null&utm_term=null&utm_campaign=%3A+CONR_OUTLK_AWA1_GL_PCFU_CFULF_WATER-1223&fbclid=IwAR3v_v2L9cYxA2YDJTJw0WMY59tTiQEtyPuuCtvEN-KLcZp27NSdSrOF0M

A scalable photoelectrochemical system for green hydrogen production

<https://techxplore.com/news/2024-02-scalable-photoelectrochemical-green-hydrogen-production.html>

Biological, Genetics and Medical Sciences

New FDA-approved sickle cell gene editing therapies offer hope for a pain-free life to patients – some living in Colorado

<https://www.cpr.org/2024/01/26/colorado-new-sickle-cell-treatments-gene-editing-therapies/>

New gene-editing tools may help wipe out mosquito-borne diseases

<https://www.npr.org/2024/01/26/1226110915/gene-editing-bioengineering-mosquito-disease-dengue-malaria-oxitec?sc=18&f=1001>

JN.1 takes over as the most prevalent COVID-19 variant. Here's what you need to know

<https://www.npr.org/2024/01/25/1226770948/covid-jn-1-most-prevalent-variant?sc=18&f=1001>

Elon Musk says his startup Neuralink has implanted a device in its first human

https://www.nbcnews.com/tech/tech-news/elon-musk-says-startup-neuralink-implanted-device-first-human-rcna136285?cid=sm_npd_nn_fb_ma&utm_campaign=trueanthem&utm_medium=social&utm_source=facebook&fbclid=IwAR2R8ITKXTQiLgvkMQIBljU00uQwPcWjWeDMTdzmTagc8YryfKIWrKMaGZU&branch_match_id=1279493974716701290&branch_referrer=H4sIAAAAAAAA8soKSkottLXz0tKzkstL9ZLLCjQy8nMy9bPdS8wDw529fNxT7JPS0rOyUyx9Sx3DDIKsvAM8Y4ICcz0SS%2FL9g3MccrJCjUwKA0sD0gOzwpPdfENSanKDUIMT7aILKpM8%2FYML8r2TXSPCgUAKC96KGkAAAA%3D

Syphilis cases rise to their highest levels since the 1950s, CDC says

<https://www.npr.org/2024/01/31/1228195107/syphilis-cases-soar-in-us-cdc-says?sc=18&f=1001>

A pod of killer whales trapped in drift ice off northern Japan has apparently safely escaped

https://apnews.com/article/japan-killer-whales-drift-ice-trapped-5a2c6e1fa8b3f5a161ee608f4bb8f617?utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Facebook&fbclid=IwAR3eWw5OVxloUs3IrvmAezLiAZwj2cwRY389rpcMCEmG6iN8a9ZRouHmvQc

Alien invasion: Non-native earthworms threaten ecosystems

<https://phys.org/news/2024-02-alien-invasion-native-earthworms-threaten.html?fbclid=IwAR3uFr5tl0n0Uv6PmXvpKTUHVT24oYHmVD4Xzyrxd2Azsy-8xSJXMctHbMw>

California sea otters nearly went extinct. Now they're rescuing their coastal habitat

<https://www.npr.org/2024/02/08/1229808022/california-sea-otters-nearly-went-extinct-now-theyre-rescuing-their-coastal-habi?sc=18&f=1001>

Harnessing human evolution to advance precision medicine

<https://medicalxpress.com/news/2024-02-harnessing-human-evolution-advance-precision.html>

Immune genes are altered in Alzheimer's patients' blood

<https://medicalxpress.com/news/2024-02-immune-genes-alzheimer-patients-blood.html>

Surprising behavior in one of the least studied mammals in the world

<https://phys.org/news/2024-02-behavior-mammals-world.html>

Other

Another side effect from war in Gaza? Animals starving in its besieged zoos

<https://www.npr.org/2024/02/01/1226006760/another-side-effect-from-war-in-gaza-animals-starving-in-its-besieged-zoos?sc=18&f=1001>

Additional Informational

On Preemptive Cultural Property Preservation: Interview with Peter Stone
<https://hir.harvard.edu/peter-stone/>

Secure World Foundation Newsletter
<https://mailchi.mp/swfound.org/october-2023-newsletter-1807215?e=1278109aa1>

European Space Agency Near-Earth Objects Coordination Centre Newsletter
<https://neo.ssa.esa.int/-/latest-newsletter>

International Science Council Newsletter
<https://us5.campaign-archive.com/?e=725b365f54&u=2e9b648776114e2888e7ea8c5&id=4e696222e1>

Visions of Atlantis: Reclaiming our Lost Ancient Legacy
https://grahamhancock.com/leflemm1/?fbclid=IwAR0yKSKeHzVJuSprifNFgbyUMVV_foPQXfHemNDytWa4nls0ZiTtHyQbV94

Davos Baukultur Alliance
https://www.davosalliance.org/home?utm_content=bufferc85c3&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer