

Weekly Science Report

March 1, 2024

“The Red Nation shall rise again, and it shall be a blessing for a sick world, a world filled with broken promises, selfishness and separations, a world longing for light again.”

Crazy Horse

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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/weeklysciencertp/>
- Twitter: <https://twitter.com/wklysciencertp>

News Articles

Paleontology, Evolution and Prehistoric Studies

Europe's oldest human-made megastructure may be at the bottom of the Baltic Sea

<https://www.popsoci.com/science/europe-oldest-megastructure-bottom-of-the-sea/?fbclid=IwAR3N9JIs0YTW8QWAZe0f2MqVNwnokLS2f2Dd-ddVx0E9zN7IHUUCKxSOag8>

DNA from child burials reveals 'profoundly different' human landscape in ancient Africa

https://www.science.org/content/article/dna-child-burials-reveals-profoundly-different-human-landscape-ancient-africa?utm_campaign=SciMag&utm_source=Facebook&utm_medium=ownedSocial&fbclid=IwAR34xlpViHxP4MPOB8c2Z0hMmJns2X0loHBFPiDgq_cZw7FWCmsqQzg8E2U

Asteroid dust found at Chicxulub Crater confirms cause of dinosaurs' extinction

https://www.astronomy.com/science/asteroid-dust-found-at-chicxulub-crater-confirms-cause-of-dinosaurs-extinction/?utm_campaign=organicsocial&utm_content=draft&utm_medium=social&utm_source=facebook&fbclid=IwAR2T9hK-6w5eUP5QYQV1a-nJa_HEhNqVL7KCbMO9AIfWIK1MiHUDCqX5kVE

Scientists announce discovery of 'very strange' 240 million-year-old 'Chinese dragon' fossil

<https://abcnews.go.com/International/scientists-announce-discovery-strange-240-million-year-chinese/story?id=107473094>

New species of ancient vampire squid unearthed in Luxembourg

https://phys.org/news/2024-02-species-ancient-vampire-squid-unearthed.html?fbclid=IwAR1evS8JsMWSrf2uYL_rqLzCJOcguoWebt940RVDUQximRR4KZmljPDBXUE

Neanderthals' usage of complex adhesives reveals higher cognitive abilities, scientists discover

<https://phys.org/news/2024-02-neanderthals-usage-complex-adhesives-reveals.html>

A physical model to quantify the quality of stones selected as tools by Stone Age hunter-gatherers

<https://phys.org/news/2024-02-physical-quantify-quality-stones-tools.html>

Genetic study suggests a Stone Age strategy for avoiding inbreeding

<https://phys.org/news/2024-02-genetic-stone-age-strategy-inbreeding.html>

Neolithic Honey Hunters

<https://www.archaeology.org/issues/544-2403/digs/12127-dd-spain-neolithic-honey-hunters>

Is This the Earliest Evidence of Human Cannibalism?

<https://www.scientificamerican.com/podcast/episode/is-this-the-earliest-evidence-of-human-cannibalism/>

History

These African American history museums amplify the voices too often left unheard

https://www.nationalgeographic.com/travel/article/black-history-first-voice-museums?utm_medium=email&utm_content=Yrje9_y36YiTns3ViNZ40mMxULsXy9f0CIWM4KkUY0SLucTTm4xsdfsP-QyPuwtA

The keeper of the Vatican's secrets is revealing century-old discoveries for forthcoming book

<https://www.pbs.org/newshour/world/the-keeper-of-the-vaticans-secrets-is-revealing-century-old-discoveries-for-forthcoming-book#:~:text=The%20longtime%20prefect%20of%20what,and%20unusual%2C%20repositories%20of%20documents.>

Donated Renaissance-era astronomy book surprises university with hidden text

https://www.space.com/renaissance-astronomy-texts-secret-donation-copernicus-de-sacrobosco?utm_campaign=socialflow&utm_content=space.com&utm_source=facebook.com&utm_medium=social&fbclid=IwAR1Kt0DDBBPjDMejz79aVgFoDQgV4PRLRnf5hfl_v2jc97e_DPFpq_sNFCsU

WWII Monuments Men weren't all men. Female members finally move into spotlight

<https://www.stripes.com/history/2024-02-17/wwii-monuments-women-stolen-art-13037336.html>

Arizona Republicans challenge Biden's designation of a national monument near the Grand Canyon

https://apnews.com/article/grand-canyon-national-monument-biden-lawsuit-arizona-e6385c4bbcf0a4e11d6c4087fa22d01f?utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Facebook&fbclid=IwAR2niKl_BF4wZy5tnKrKx3wtEqDk5V-ysE6sZuv9zLdxmChpxMMAjtGmETw

New Linguistics Technique Could Reveal Who Spoke the First Indo-European Languages

<https://www.discovermagazine.com/the-sciences/a-new-look-at-our-linguistic-roots>

Fire Destroys Museum Honoring Legendary Blues Musician Mississippi John Hurt

https://www.smithsonianmag.com/smart-news/fire-destroys-museum-honoring-legendary-blues-musician-mississippi-john-hurt-180983839/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=2242024&utm_content=new&fbclid=IwAR1SzLpuoYLwqm8WzTQ0RPruMyxgaedWDcpS2KBiZi7MWhXBk31oKXPlukk

Two paintings that were stolen from Peruvian church are returned

<https://www.theartnewspaper.com/2024/02/16/paintings-stolen-peruvian-church-repatriated>

German man with ancient Syrian artifacts under investigation

<https://www.dw.com/en/german-man-with-ancient-syrian-artifacts-under-investigation/a-68330141>

Westminster Abbey in discussions to return sacred Ethiopian treasure

<https://www.standard.co.uk/news/uk/westminster-abbey-ethiopian-tablet-benin-bronzes-elgin-marbles-british-museum-b1138152.html>

Near the Site of the Gettysburg Address, These Black Civil War Veterans Remain Segregated, Even in Death

<https://www.smithsonianmag.com/history/near-the-site-of-the-gettysburg-address-these-black-civil-war-veterans-remain-segregated-even-in-death-180983790/>

Archaeology

2,400-year-old underground discovery stumped experts for decades — until now

<https://www.aol.com/2-400-old-underground-discovery-192209154.html>

Artifact could be linked to Spanish explorer Coronado's expedition across Texas Panhandle

<https://www.smu.edu/news/research/artifact-could-be-linked-to-coronado-expedition>

PM Modi dives into Arabian Sea to offer underwater prayers in Dwarka, shares pics

<https://economictimes.indiatimes.com/news/india/pm-modi-dives-into-arabian-sea-to-offer-underwater-prayers-in-dwarka-shares-pics/articleshow/107984190.cms?from=mdr>

Shipwreck found over a century after bodies of crewmembers washed ashore: "120-year-old mystery" solved

https://www.cbsnews.com/news/shipwreck-ss-nemesis-1904-found-off-australia-120-year-old-mystery-solved/?ftag=CNM-00-10aab6a&linkId=337609828&fbclid=IwAR1l_GN3mrg7d4HUxniKF7kOS1tpPYQrSHAqJhp2FvUt4wOkpuJ6eQPofJE

Legendary shipwreck's treasure of "incalculable value" will be recovered by underwater robot, Colombia says

https://www.cbsnews.com/news/shipwreck-san-jose-galleon-robot-to-start-recovering-treasure-colombia-says/?ftag=CNM-00-10aab6a&linkId=338511319&fbclid=IwAR29O2fOX5oPlb9TiS01BHBZmC4nM1OsrIK5f16i4P9aBgzbnSWN0mtz_s

New approach to carbon-14 dating corrects the age of a prehistoric burial site

<https://phys.org/news/2024-02-approach-carbon-dating-age-prehistoric.html>

Climate change threatens thousands of archaeological sites in coastal Georgia

<https://phys.org/news/2024-02-climate-threatens-thousands-archaeological-sites.html>

Copper Age necropolis unearthed in Italy contains skeletal remains and still-sharp weapons, maybe from ancient warriors

<https://www.livescience.com/archaeology/copper-age-necropolis-unearthed-in-italy-contains-skeletal-remains-and-still-sharp-weapons-maybe-from-ancient-warriors>

14 wrecks that expose 'what life was like on slaver ships' identified in the Bahamas

<https://www.livescience.com/archaeology/14-wrecks-that-expose-what-life-was-like-on-slaver-ships-identified-in-the-bahamas>

Archaeologists unearth Anglo-Saxon oven and building

<https://www.bbc.com/news/articles/cydlvzz8lrdo>

Preceding the Inca, This Andean 'Stonehenge' Was a Space for Ceremony and Ritual

<https://www.discovermagazine.com/the-sciences/preceding-the-inca-this-andean-stonehenge-was-a-space-for-ceremony-and>

Egyptology

Team planning to rebuild outside of King Menkaure's pyramid in Egypt told "it's an impossible project"

https://www.cbsnews.com/news/egypt-menkaure-pyramid-reconstruction-project-called-impossible/?ftag=CNM-00-10aab6a&linkId=329261340&fbclid=IwAR0VtCHrj1iN-c1y6KfOBmOmow2U3PgJ_svmPkBil28nl4tJ-tzpdBpL8Qs

Spells Against Snakes

<https://www.archaeology.org/issues/544-2403/digs/12131-dd-egypt-abusir-snake-spells>

General Science

Nothing to report

Physics, Earth and Space Sciences

Nearly 30,000 objects are hurtling through near-Earth orbit. That's not just a problem for space
https://www.erienewsnow.com/story/50478180/nearly-30000-objects-are-hurling-through-near-earth-orbit-thats-not-just-a-problem-for-space?utm_medium=social&utm_source=facebook_Erie_News_Now&fbclid=IwAR03-L2iF3vH3jf3QRH7mUEaMPQqi_RdeHTk33yQWarUH04t0IM-3iCcmU

Scientists have found a black hole so large it eats the equivalent of one sun per day
<https://www.npr.org/2024/02/20/1232653636/massive-black-hole-discovery-quasar?sc=18&f=1001>

NASA Shares How International Warning System Works in Case of Asteroid Collision
<https://www.sciencetimes.com/articles/48793/20240219/nasa-shares-international-warning-system-works-case-asteroid-collision.htm>

SpaceX deorbiting 100 older Starlink satellites to 'keep space safe and sustainable'
https://www.space.com/spacex-starlink-satellites-deorbit-space-sustainability?utm_content=space.com&utm_source=facebook.com&utm_medium=social&utm_campaign=socialflow&fbclid=IwAR303UmnyMCqFhT32BTkl-PA_Trc54oiyHh4ILNHh10M8RJVy2alHGYARXw

Astronauts celebrate success of 1st surgery robot on ISS: 'It's a real game-changer'
https://www.space.com/iss-robot-surgery-astronaut-celebrate-science?fbclid=IwAR0nqIHK-8AZ2DOlvrecDeC+9_OH-LP3YqIXusHLKvcVGIhgTHXCBVBeEs

The mathematically perfect exoplanet system — a great place to search for alien tech
https://www.space.com/alien-technosignatures-exoplanet-mathematically-perfect-orbits?utm_campaign=socialflow&utm_content=space.com&utm_medium=social&utm_source=facebook.com&fbclid=IwAR22opeBBgDP0g_iNaXEn-l-beTKc_PkftkMr-pO2RrPCErKSYXFRduJHC

High-resolution simulations provide new insights into how galaxies are formed
<https://phys.org/news/2024-03-high-resolution-simulations-insights-galaxies.html>

First US moon lander in half a century stops working a week after tipping over at touchdown
<https://phys.org/news/2024-03-moon-lander-century-week-touchdown.html>

Physicists suggest a possible way to confirm or deny the existence of the Chinguetti meteorite
<https://phys.org/news/2024-03-physicists-deny-chinguetti-meteorite.html>

Environment, Climate Change and Alternative Energy Sources

Greenland's ice sheet is melting and being replaced by vegetation, finds major satellite analysis
https://phys.org/news/2024-02-greenland-ice-sheet-vegetation-major.html?fbclid=IwAR2JHY-MaDbxR83tUWqEV3ETHeky_3oUUh1CUWfgStvicLnXbm9JmqXTsxs

Feds deny permits for hydroelectric projects on Navajo land
<https://ictnews.org/news/feds-deny-permits-for-hydro-projects-on-navajo-land-citing-lack-of-consultation-with-tribes?fbclid=IwAR1oeOzjJBwXj2N8vaBDzBlvXIPNjgtCE97SaY1D3-mio8zWHwCccL1Bqw4>

We have to protect our historic sites from the ravages of climate change
<https://thehill.com/opinion/energy-environment/4459059-we-have-to-protect-our-historic-sites-from-the-ravages-of-climate-change/>

Eight ways that the stopping of overfishing will promote biodiversity and help address climate change
https://phys.org/news/2024-02-ways-overfishing-biodiversity-climate.html#google_vignette

This is what happens when a wind farm comes to a coal town
<https://www.npr.org/2024/02/26/1233128242/coal-renewable-energy-west-virginia-inflation-reduction-act-climate?sc=18&f=1001>

A strategy to further boost the efficiency of copper indium gallium selenide solar cells
<https://phys.org/news/2024-03-strategy-boost-efficiency-copper-indium.html>

'Very worried': Scientists fret as Antarctic sea ice dwindles
<https://phys.org/news/2024-03-scientists-fret-antarctic-sea-ice.html>

Biological, Genetics and Medical Sciences

A pacemaker for the brain helped a woman with crippling depression. It may soon be available to more

https://apnews.com/article/treatmentresistant-depression-dbs-deep-brain-stimulation-26383d6e5f9eb797485b7bc277cac59c?utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Facebook&fbclid=IwAR36iJfmmmySZHSmPeTszhFupiQR1V7DHUThT4zLvHF9JbnUZxbS573hJnEo

Surprise Discovery Shows Blue Whales Have Been Mating With Another Species

<https://www.sciencealert.com/surprise-discovery-shows-blue-whales-have-been-mating-with-another-species?fbclid=IwAR09KsDkXxdCKiPS-9i0XlvPiPiNyC2pQT8Edh6llwciXUJ9vAl-UMkfkhs>

Across the world, migrating animal populations are dwindling. Here's why

<https://www.npr.org/2024/02/12/1230929548/across-the-world-migrating-animal-populations-are-dwindling-heres-why?sc=18&f=1001>

FDA approves first cell therapy to treat aggressive forms of melanoma

<https://www.npr.org/2024/02/17/1232247301/melanoma-fda-approves-first-cell-therapy-skin-cancer?sc=18&f=1001>

AI a 'potent remedy' for Africa's health challenges

https://www.scidev.net/global/news/ai-a-potent-remedy-for-africas-health-challenges/?utm_source=SciDev.Net&utm_medium=email&utm_campaign=14364962_2024-02-26%20Weekly%20Email%20Digest%20-%20Global%20Template.%20For%20no%20topic%20preferences&dm_i=1SCG,8JW2Q,V1AOM,ZEHAY,1

Tuition will be free at a New York City medical school thanks to a \$1 billion gift

https://www.npr.org/2024/02/27/1234107300/free-tuition-albert-einstein-college-medicine?utm_medium=social&utm_source=facebook.com&utm_campaign=npr&utm_term=nprnews&fbclid=IwAR1bl7YNkPg0wBn6W57gHDzq5VrfebvCC4zdWRMHo_-VkHTZOV3PqqlmkHE

How scientists are using facial-recognition AI to track humpback whales

<https://www.npr.org/2024/02/29/1234718984/humpback-whale-decline-pacific-climate-change?sc=18&f=1001>

How genetically modified pigs could end the shortage of organs for transplants

<https://www.npr.org/sections/health-shots/2024/02/29/1231699834/genetically-modified-pigs-organs-human-transplant?sc=18&f=1001>

HOW FIRST CONTACT WITH WHALE CIVILIZATION COULD UNFOLD

https://www.theatlantic.com/science/archive/2024/02/talking-whales-project-ceti/677549/?utm_campaign=the-atlantic&utm_content=true-anthem&utm_medium=social&utm_source=facebook&fbclid=IwAR1q1cyUVwbvz-9aKRQePi--pn8Mli49XpuLGDuKOYTdv_rPUumcGIO1KHI

Ancient genomes reveal Down syndrome in past societies

<https://phys.org/news/2024-02-ancient-genomes-reveal-syndrome-societies.html>

First DNA study of ancient Eastern Arabians reveals malaria adaptation

<https://phys.org/news/2024-02-dna-ancient-eastern-arabians-reveals.html>

Instead of Hunting in Groups, Orcas May be Attacking Great White Sharks Alone
<https://www.discovermagazine.com/planet-earth/instead-of-hunting-in-groups-orcas-may-be-attacking-great-white-sharks-alone>

Asian elephants mourn, bury their dead calves: Study
<https://phys.org/news/2024-03-asian-elephants-dead-calves.html>

Other

Nothing to report

Additional Informational

The 'Heart' of Heart Mountain: Japanese American Internment Through The Eyes Of A Child And His Unlikely Friend

https://storycorps.org/stories/the-heart-of-heart-mountain-japanese-american-internment-through-the-eyes-of-a-child-and-his-unlikely-friend/?utm_medium=social&utm_source=twitter&utm_campaign=awaregen&utm_content=ShigYabu_EvanYabu

Aurelia participating in Autodesk's Make It Resilient program

<https://www.aureliainstitute.org/posts/autodesk-make-it-resilient>

THE AMRI CHALCOLITHIC PHASE IN SINDH (PAKISTAN): WHAT WE KNOW AND WHAT WE SHOULD KNOW

<https://swiatowitwuw.pl/resources/html/article/details?id=617814>

Moving Past the Troubles: The Future of Northern Ireland Peace

https://www.cfr.org/backgrounder/moving-past-troubles-future-northern-ireland-peace?utm_source=tw&utm_medium=social_owned

IMLS Releases FY 2020 Annual Performance Report

<https://www.ims.gov/news/ims-releases-fy-2020-annual-performance-report?fbclid=IwAR1iew-Lktf2ScNZhaOJshqq3hHN6TYxUyVqAtVRX886sUj6DYXqXUy9vgc>

NASA's New Experimental Antenna Tracks Deep Space Laser

https://www.nasa.gov/technology/space-comms/deep-space-network/nasas-new-experimental-antenna-tracks-deep-space-laser/?utm_source=FBPAGE&utm_medium=NASA%27s+Marshall+Space+Flight+Center&utm_campaign=NASASocial&linkId=324583302&fbclid=IwAR0fJ_LngjMUV0STQMQGh8eYcodH6gVXYBw6T4IH4Z0VbD8nCd-mdpPIG5k

International Science Council Newsletter

<https://us5.campaign-archive.com/?e=725b365f54&u=2e9b648776114e2888e7ea8c5&id=5d12d452b7>

Antiquities Coalition, STORY MAPS OF CULTURAL RACKETEERING

<https://theantiquitiescoalition.org/multimedia-resources/story-maps/>

GREAT POWER COMPETITION GOES TO SPACE

<https://mailchi.mp/thesoufancenter/great-power-competition-goes-to-space?e=515e344d42>

No proof a study found lab-grown meat funded by Bill Gates causes 'turbo cancer'

https://www.politifact.com/factchecks/2024/feb/28/instagram-posts/no-proof-a-study-found-lab-grown-meat-funded-by-bi/?utm_medium=Social&utm_source=Twitter#Echobox=1709213628

National Park Foundation and National Park Service Announce \$40 Million Gift to Meet Urgent Need for Employee Housing at Yellowstone National Park

<https://www.nps.gov/yell/learn/news/24006.htm>

The Precious Space Rock that Fell in Germany

<https://mailchi.mp/asteroidday/update-issue-106-the-precious-space-rock-that-fell-in-germany?e=dee220d1a0>

NASA's Fission Surface Power Project Energizes Lunar Exploration

https://www.nasa.gov/centers-and-facilities/glenn/nasas-fission-surface-power-project-energizes-lunar-exploration/?fbclid=IwAR3VUZ_Su22K7ypo7XBAzxp-nYoJyN0FbD7gJX1cICD0GvWZDiX4XUxH48

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- Twitter: <https://twitter.com/AnchiseProject>
- LinkedIn: <https://www.linkedin.com/company/anchise-project-horizon-europe/about/>