



Sharing Knowledge to create a Better World!



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# Weekly Science Report

April 7, 2023

**“At the end of your life, this world will either be a more or less compassionate, loving caring place because of your presence. Your move!”**

Author Unknown

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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

Cave paintings of mutilated hands could be a Stone Age sign language

[https://www.newscientist.com/article/mg25734300-900-cave-paintings-of-mutilated-hands-could-be-a-stone-age-sign-language/?utm\\_term=Autofeed&utm\\_campaign=echobox&utm\\_medium=social&utm\\_source=Facebook#Echobox=1679671219](https://www.newscientist.com/article/mg25734300-900-cave-paintings-of-mutilated-hands-could-be-a-stone-age-sign-language/?utm_term=Autofeed&utm_campaign=echobox&utm_medium=social&utm_source=Facebook#Echobox=1679671219)

Prehistoric sabertooth skull found in Iowa likely last of species to walk Earth, researchers say

[https://www.fox7austin.com/news/prehistoric-sabertooth-skull-found-iowa-likely-last-of-species-to-walk-earth?utm\\_campaign=trueanthem&utm\\_medium=trueanthem&utm\\_source=facebook](https://www.fox7austin.com/news/prehistoric-sabertooth-skull-found-iowa-likely-last-of-species-to-walk-earth?utm_campaign=trueanthem&utm_medium=trueanthem&utm_source=facebook)

Clues to the Lives of North America's First Inhabitants Are Hidden Underwater

<https://www.smithsonianmag.com/history/biggest-clues-lives-early-americans-hidden-underwater-submerged-prehistory-180981891/>

Supernatural beliefs have featured in every society throughout history: New research helps explain why

<https://phys.org/news/2023-04-supernatural-beliefs-featured-society-history.html>

## History

Italian art experts astonished by David statue uproar in Florida

<https://www.bbc.com/news/world-europe-65087218>

'The Lost King': One sleuth's quest for the truth about Richard III

[https://www.csmonitor.com/The-Culture/Movies/2023/0323/The-Lost-King-One-sleuth-s-quest-for-the-truth-about-Richard-III?utm\\_term=Autofeed&utm\\_medium=Social&cmpid=FB&utm\\_source=Facebook#Echobox=1679596068](https://www.csmonitor.com/The-Culture/Movies/2023/0323/The-Lost-King-One-sleuth-s-quest-for-the-truth-about-Richard-III?utm_term=Autofeed&utm_medium=Social&cmpid=FB&utm_source=Facebook#Echobox=1679596068)

After nearly 200 years, the Yuchi Tribe of Oklahoma reconnects with bison

<https://www.npr.org/2023/03/26/1166099625/after-nearly-200-years-the-yuchi-tribe-of-oklahoma-reconnects-with-bison?sc=18&f=1001>

Martin Scorsese's 'Killers of the Flower Moon' With Leonardo DiCaprio Gets October Release Date

<https://variety.com/2023/film/news/killers-of-the-flower-moon-release-date-martin-scorsese-leonardo-dicaprio-1235565330/>

Mickey Mouse celebrates Persian New Year. Iranians are thrilled by the representation.

[https://www.nbcnews.com/pop-culture/mickey-mouse-celebrates-nowruz-persian-new-year-rcna75468?cid=sm\\_npd\\_nn\\_fb\\_ma&fbclid=IwAR1qRAGxKdAtQzfdsVItD0Wik5C7quLSwfvQPm52FBq0oddtNgbHHny9yIE](https://www.nbcnews.com/pop-culture/mickey-mouse-celebrates-nowruz-persian-new-year-rcna75468?cid=sm_npd_nn_fb_ma&fbclid=IwAR1qRAGxKdAtQzfdsVItD0Wik5C7quLSwfvQPm52FBq0oddtNgbHHny9yIE)

Portland Art Museum changes policy after Karuk mother speaks out

[https://www.opb.org/article/2023/03/21/portland-oregon-art-museum-policy-karuk-native-basket/?utm\\_source=facebook.com&utm\\_medium=social&utm\\_term=nprnews&utm\\_campaign=npr&fbclid=IwAR3caTdy-y\\_NCuWVSb4t7eYhBo0oyGINACos5Mhuw57OljuVycgycUcOnS0&fireglass\\_rsn=true#fireglass\\_params&tabid=ab3205cb3baab757&start\\_with\\_session\\_counter=2&application\\_server\\_address=isolation2-us-east-1.wss.prod.fire.glass](https://www.opb.org/article/2023/03/21/portland-oregon-art-museum-policy-karuk-native-basket/?utm_source=facebook.com&utm_medium=social&utm_term=nprnews&utm_campaign=npr&fbclid=IwAR3caTdy-y_NCuWVSb4t7eYhBo0oyGINACos5Mhuw57OljuVycgycUcOnS0&fireglass_rsn=true#fireglass_params&tabid=ab3205cb3baab757&start_with_session_counter=2&application_server_address=isolation2-us-east-1.wss.prod.fire.glass)

The Supreme Court wrestles with questions over the Navajo Nation's water rights

[https://www.npr.org/2023/03/20/1164852475/supreme-court-navajo-nation-water-rights?utm\\_term=nprnews&utm\\_medium=social&utm\\_source=twitter.com&utm\\_campaign=npr&fireglass\\_rsn=true#fireglass\\_params&tabid=af4b4ef9e0891df&start\\_with\\_session\\_counter=3&application\\_server\\_address=isolation2-us-east-1.wss.prod.fire.glass](https://www.npr.org/2023/03/20/1164852475/supreme-court-navajo-nation-water-rights?utm_term=nprnews&utm_medium=social&utm_source=twitter.com&utm_campaign=npr&fireglass_rsn=true#fireglass_params&tabid=af4b4ef9e0891df&start_with_session_counter=3&application_server_address=isolation2-us-east-1.wss.prod.fire.glass)

The start of the Iraq War 20 years later in photos

[https://www.npr.org/sections/pictureshow/2023/03/20/1164272335/iraq-war-20th-anniversary-photos-american-invasion?utm\\_campaign=npr&utm\\_medium=social&utm\\_term=nprnews&utm\\_source=twitter.com&fireglass\\_rsn=true#fireglass\\_params&tabid=a56b59a49720063d&start\\_with\\_session\\_counter=3&application\\_server\\_address=isolation2-us-east-1.wss.prod.fire.glass](https://www.npr.org/sections/pictureshow/2023/03/20/1164272335/iraq-war-20th-anniversary-photos-american-invasion?utm_campaign=npr&utm_medium=social&utm_term=nprnews&utm_source=twitter.com&fireglass_rsn=true#fireglass_params&tabid=a56b59a49720063d&start_with_session_counter=3&application_server_address=isolation2-us-east-1.wss.prod.fire.glass)

A landscape that generations of Latinos fought to preserve is now a national monument

<https://www.nbcnews.com/news/latino/texas-landscape-sacred-latinos-now-national-monument-rcna76008>

Swiss Art Foundation Launches Probe to Discover if Items Were Stolen by Nazis From Jews

[https://www.algemeiner.com/2023/03/09/swiss-art-foundation-launches-probe-to-discover-if-items-were-stolen-by-nazis-from-jews/?fireglass\\_rsn=true#fireglass\\_params&tabid=a286fe074cca27d8&start\\_with\\_session\\_counter=3&application\\_server\\_address=isolation1-us-west-2.wss.prod.fire.glass](https://www.algemeiner.com/2023/03/09/swiss-art-foundation-launches-probe-to-discover-if-items-were-stolen-by-nazis-from-jews/?fireglass_rsn=true#fireglass_params&tabid=a286fe074cca27d8&start_with_session_counter=3&application_server_address=isolation1-us-west-2.wss.prod.fire.glass)

UP CLOSE: With Chuck Sams, First Native American to Lead the National Park Service  
<https://nativenewsonline.net/currents/up-close-with-chuck-sams-first-native-american-to-lead-the-national-park-service>

Nepal Wants a Sacred Necklace Returned. But a Major Museum Still Keeps It on Display.  
[https://www.propublica.org/article/art-institute-chicago-nepal-artifacts-repatriation?fireglass\\_rsn=true#fireglass\\_params&tabid=abdd1bbf26784bc7&start\\_with\\_session\\_counter=3&application\\_server\\_address=isolation1-us-west-2.wss.prod.fire.glass](https://www.propublica.org/article/art-institute-chicago-nepal-artifacts-repatriation?fireglass_rsn=true#fireglass_params&tabid=abdd1bbf26784bc7&start_with_session_counter=3&application_server_address=isolation1-us-west-2.wss.prod.fire.glass)

How these art sleuths reunited a family after centuries apart  
<https://www.npr.org/2023/03/22/1165011263/painting-history-cornelis-de-vos-mystery-rkd-netherlands?sc=18&f=1001>

DNA: Woman was on famed 17th century Swedish warship  
[https://apnews.com/article/sweden-vasa-warship-woman-8e5d15c5acf623e0115368be61084152?utm\\_source=homepage&utm\\_medium=TopNews&utm\\_campaign=position\\_08](https://apnews.com/article/sweden-vasa-warship-woman-8e5d15c5acf623e0115368be61084152?utm_source=homepage&utm_medium=TopNews&utm_campaign=position_08)

Virginia Norwood, a pioneer in satellite land imaging, dies at age 96  
<https://www.npr.org/2023/03/31/1167375710/virginia-norwood-satellite-land-imaging-nasa-died?sc=18&f=1001>

Māori May Have Reached Antarctica 1,000 Years Before Europeans  
[https://www.smithsonianmag.com/smart-news/maori-reached-antarctica-1000-years-europeans-180977987/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=412023&utm\\_content=archival](https://www.smithsonianmag.com/smart-news/maori-reached-antarctica-1000-years-europeans-180977987/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=412023&utm_content=archival)

Mauritania's ancient libraries could be lost to the expanding desert  
<https://www.washingtonpost.com/world/interactive/2023/mauritania-libraries-desert/>

Horses came to American West by early 1600s, study finds  
<https://apnews.com/article/horses-arrive-north-america-indian-indigenous-archaeology-ae077bba7a456cf6de7d655314fb8a0a>

## Archaeology

Artificial intelligence is helping researchers identify and analyse some of the world's oldest art  
<https://www.theartnewspaper.com/2023/03/21/artificial-intelligence-ancient-rock-art-australia-andrea-jalandoni>

More than 1,000 objects in the Met's collection linked to alleged traffickers and looters, investigation finds  
<https://www.theartnewspaper.com/2023/03/21/metropolitan-museum-1000-objects-provenance-problems>

Greek Farmer Stumbles Onto 3,400-Year-Old Tomb Hidden Below His Olive Grove  
[https://www.smithsonianmag.com/smart-news/greek-farmer-stumbles-3400-year-old-tomb-hidden-below-his-olive-grove-180970197/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=3232023&utm\\_content=archival](https://www.smithsonianmag.com/smart-news/greek-farmer-stumbles-3400-year-old-tomb-hidden-below-his-olive-grove-180970197/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=3232023&utm_content=archival)

The Mystery of This Petroglyph-Covered Alaskan Beach  
[https://www.smithsonianmag.com/travel/the-mystery-of-this-petroglyph-covered-alaskan-beach-180981858/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=3222023&utm\\_content=new](https://www.smithsonianmag.com/travel/the-mystery-of-this-petroglyph-covered-alaskan-beach-180981858/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=3222023&utm_content=new)

Archaeologists discover oldest pearl city in the Gulf in the UAE  
[https://www.i24news.tv/en/news/middle-east/culture/1679309897-archaeologists-discover-oldest-pearl-city-in-the-gulf-in-the-united-arab-emirates?utm\\_medium=Social&utm\\_source=Facebook&fbclid=IwAR15\\_9xxgZHeQZfC\\_wtwFB5X4D3X0piqgYt7G\\_i5jCXWVQ-7utKpfoY3pGc#Echobox=1679315092](https://www.i24news.tv/en/news/middle-east/culture/1679309897-archaeologists-discover-oldest-pearl-city-in-the-gulf-in-the-united-arab-emirates?utm_medium=Social&utm_source=Facebook&fbclid=IwAR15_9xxgZHeQZfC_wtwFB5X4D3X0piqgYt7G_i5jCXWVQ-7utKpfoY3pGc#Echobox=1679315092)

Scotland's 'oldest' tartan found in Highlands bog  
[https://www.nbcnews.com/news/world/scotlands-oldest-tartan-found-highlands-peat-bog-rcna76765?cid=sm\\_npd\\_nn\\_fb\\_ma&utm\\_campaign=trueanthem&utm\\_medium=social&utm\\_source=facebook&fbclid=IwAR0RmtTh0GYIQQyHPL13mX1-67fEdjh9QnWmITaED71nsRgpoTMRopPnH-g](https://www.nbcnews.com/news/world/scotlands-oldest-tartan-found-highlands-peat-bog-rcna76765?cid=sm_npd_nn_fb_ma&utm_campaign=trueanthem&utm_medium=social&utm_source=facebook&fbclid=IwAR0RmtTh0GYIQQyHPL13mX1-67fEdjh9QnWmITaED71nsRgpoTMRopPnH-g)

The Largest Manmade Block Ever Was Just Discovered in Lebanon  
[https://www.smithsonianmag.com/smart-news/largest-manmade-block-ever-carved-was-just-discovered-lebanon-180953518/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=422023&utm\\_content=archival](https://www.smithsonianmag.com/smart-news/largest-manmade-block-ever-carved-was-just-discovered-lebanon-180953518/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=422023&utm_content=archival)

New exhibit explores significance of Mexica's lunar goddess  
[https://apnews.com/article/mexico-lunar-goddess-coyolxauhqui-mexica-museum-exhibit-bf1136a0d8c89c2541ad6ac67412e515?utm\\_campaign=TrueAnthem&utm\\_medium=AP&utm\\_source=Facebook](https://apnews.com/article/mexico-lunar-goddess-coyolxauhqui-mexica-museum-exhibit-bf1136a0d8c89c2541ad6ac67412e515?utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Facebook)

## Egyptology

Have we got Ancient Egypt's mummies all wrong?

<https://www.bbc.com/culture/article/20230320-the-great-debate-about-mummies-should-we-unwrap-them>

See the oldest human ever found in Egypt in stunning new facial approximation

<https://www.livescience.com/see-the-oldest-human-ever-found-in-egypt-in-stunning-new-facial-approximation>

General Science

Nothing to report



## Physics, Earth and Space Sciences

New source of water found in moon samples from China mission

<https://apnews.com/article/water-moon-glass-beats-china-sample-return-28447e31610ad93a78c140ef518086ac>

No atmosphere found at faraway Earth-sized world, study says

<https://apnews.com/article/webb-telescope-earth-sized-trappist-c963f4a0647d88dea37f85fa4bdbb642>

Mysterious 'Difficulties' Prevent Secretive Nuclear Lab From Releasing Records on First Known Interstellar Object to Land on Earth

[https://www.vice.com/en/article/wxjewz/mysterious-difficulties-prevent-secretive-nuclear-lab-from-releasing-records-on-first-known-interstellar-object-to-land-on-earth?utm\\_medium=social&utm\\_source=motherboardtv\\_facebook](https://www.vice.com/en/article/wxjewz/mysterious-difficulties-prevent-secretive-nuclear-lab-from-releasing-records-on-first-known-interstellar-object-to-land-on-earth?utm_medium=social&utm_source=motherboardtv_facebook)

Are strange space signals in Antarctica evidence of a parallel universe?

<https://astronomy.com/news/2020/12/are-strange-space-signals-in-antarctica-evidence-of-a-parallel-universe>

Living on the moon? Rolls-Royce secures funding to develop nuclear reactor on the moon

[https://www.usatoday.com/story/news/world/2023/03/20/rolls-royce-nuclear-reactor-moon/11509148002/?fireglass\\_rsn=true#fireglass\\_params&tabid=a0b9431129d47bb9&start\\_with\\_session\\_counter=3&application\\_server\\_address=isolation2-us-east-1.wss.prod.fire.glass](https://www.usatoday.com/story/news/world/2023/03/20/rolls-royce-nuclear-reactor-moon/11509148002/?fireglass_rsn=true#fireglass_params&tabid=a0b9431129d47bb9&start_with_session_counter=3&application_server_address=isolation2-us-east-1.wss.prod.fire.glass)

Scientists think they know why interstellar object 'Oumuamua moved so strangely

<https://www.npr.org/2023/03/22/1164814086/scientists-think-they-know-why-interstellar-object-oumuamua-moved-so-strangely?sc=18&f=1001>

World's first 3D-printed rocket launches but fails to reach orbit in key test flight

<https://www.nbcnews.com/science/space/worlds-first-3d-printed-rocket-launches-fails-reach-orbit-key-test-fli-rcna76244>

Africa's aquifers hold more than 20 times the water stored in the continent's lakes, but they aren't the answer to water scarcity

<https://theconversation.com/africas-aquifers-hold-more-than-20-times-the-water-stored-in-the-continent-lakes-but-they-arent-the-answer-to-water-scarcity-201704>

Meet the next four people headed to the Moon – how the diverse crew of Artemis II shows NASA's plan for the future of space exploration

<https://theconversation.com/meet-the-next-four-people-headed-to-the-moon-how-the-diverse-crew-of-artemis-ii-shows-nasas-plan-for-the-future-of-space-exploration-203214>

Virgin Orbit fails to secure funding and will cease operations

<https://www.nbcnews.com/science/space/virgin-orbit-fails-secure-funding-will-cess-operations-rcna77507>

Repeating radio signal leads astronomers to an Earth-size exoplanet

[https://www.cnn.com/2023/04/04/world/exoplanet-radio-signal-scn/index.html?utm\\_source=fbCNN&utm\\_content=2023-04-04T21%3A00%3A16&utm\\_medium=social&utm\\_term=link&fbclid=IwAR0gzMdBfQzf\\_jD8WHq-G527laWvjH78dKs53vIwqJNnkLHKn9dRFY7ycE&fireglass\\_rsn=true#fireglass\\_params&tabid=aa39554c14c6ff46&start\\_with\\_session\\_counter=2&application\\_server\\_address=isolation2-us-east-1.wss.prod.fire.glass](https://www.cnn.com/2023/04/04/world/exoplanet-radio-signal-scn/index.html?utm_source=fbCNN&utm_content=2023-04-04T21%3A00%3A16&utm_medium=social&utm_term=link&fbclid=IwAR0gzMdBfQzf_jD8WHq-G527laWvjH78dKs53vIwqJNnkLHKn9dRFY7ycE&fireglass_rsn=true#fireglass_params&tabid=aa39554c14c6ff46&start_with_session_counter=2&application_server_address=isolation2-us-east-1.wss.prod.fire.glass)

Astronomers just mapped the 'bubble' that envelopes our planet  
<https://www.popsci.com/space/bubble-earth-young-star-formation/>

Earth at higher risk of big asteroid strike, satellite data suggest  
[https://www.science.org/content/article/earth-higher-risk-big-asteroid-strike-satellite-data-suggest?fireglass\\_rsn=true#fireglass\\_params&tabid=a8446dff0e44bbe&start\\_with\\_session\\_counter=3&application\\_server\\_address=isolation1-us-west-2.wss.prod.fire.glass](https://www.science.org/content/article/earth-higher-risk-big-asteroid-strike-satellite-data-suggest?fireglass_rsn=true#fireglass_params&tabid=a8446dff0e44bbe&start_with_session_counter=3&application_server_address=isolation1-us-west-2.wss.prod.fire.glass)

Updated space safety document outlines rules of the road for avoiding collisions  
[https://spacenews.com/updated-space-safety-document-outlines-rules-of-the-road-for-avoiding-collisions/?fireglass\\_rsn=true#fireglass\\_params&tabid=a2562aa3892c8cc4&start\\_with\\_session\\_counter=3&application\\_server\\_address=isolation1-us-west-2.wss.prod.fire.glass](https://spacenews.com/updated-space-safety-document-outlines-rules-of-the-road-for-avoiding-collisions/?fireglass_rsn=true#fireglass_params&tabid=a2562aa3892c8cc4&start_with_session_counter=3&application_server_address=isolation1-us-west-2.wss.prod.fire.glass)

## Environment, Climate Change and Alternative Energy Sources

Millions of dead fish have been found in an Australian river due to low oxygen levels

[https://www.npr.org/2023/03/20/1164640415/millions-of-dead-fish-have-been-found-in-an-australian-river-due-to-low-oxygen-l?utm\\_term=nprnews&utm\\_source=twitter.com&utm\\_campaign=npr&utm\\_medium=social&fireglass\\_rsn=true#fireglass\\_params&tabid=a0b26915edd42a1e&start\\_with\\_session\\_counter=3&application\\_server\\_address=isolation2-us-east-1.wss.prod.fire.glass](https://www.npr.org/2023/03/20/1164640415/millions-of-dead-fish-have-been-found-in-an-australian-river-due-to-low-oxygen-l?utm_term=nprnews&utm_source=twitter.com&utm_campaign=npr&utm_medium=social&fireglass_rsn=true#fireglass_params&tabid=a0b26915edd42a1e&start_with_session_counter=3&application_server_address=isolation2-us-east-1.wss.prod.fire.glass)

Take a Virtual Tour of the 'Doomsday' Seed Vault

[https://www.smithsonianmag.com/smart-news/take-a-virtual-tour-of-the-doomsday-seed-vault-180981815/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=3%2F16%2F2023&utm\\_content=new](https://www.smithsonianmag.com/smart-news/take-a-virtual-tour-of-the-doomsday-seed-vault-180981815/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=3%2F16%2F2023&utm_content=new)

Antarctic ice age survival story: life seeking ice-free refuges imitates art in Ice Age, the movie

[https://theconversation.com/antarctic-ice-age-survival-story-life-seeking-ice-free-refuges-imitates-art-in-ice-age-the-movie-201231?utm\\_medium=Social&utm\\_source=Twitter&fireglass\\_rsn=true#Echobox=1679451250-1&fireglass\\_params&tabid=a749df9e3ebd16c7&start\\_with\\_session\\_counter=3&application\\_server\\_address=isolation1-us-west-2.wss.prod.fire.glass](https://theconversation.com/antarctic-ice-age-survival-story-life-seeking-ice-free-refuges-imitates-art-in-ice-age-the-movie-201231?utm_medium=Social&utm_source=Twitter&fireglass_rsn=true#Echobox=1679451250-1&fireglass_params&tabid=a749df9e3ebd16c7&start_with_session_counter=3&application_server_address=isolation1-us-west-2.wss.prod.fire.glass)

Which States Generated the Most Renewable Energy in 2022?

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