

# Weekly Science Report

January 12, 2024

**“All humans are born with a curious nature. It stems from our need to understand our world. The fear of the other is a drive that runs counter to our curious nature. To be curious is to understand the so called other, which often eliminates this fear. One wonders why certain people want us to ignore our innate curiosity of different people, lifestyles, cultures, and viewpoints.”**

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

19-million-year-old fossil jaw bone hints the biggest whales first evolved somewhere unexpected

<https://theconversation.com/19-million-year-old-fossil-jaw-bone-hints-the-biggest-whales-first-evolved-somewhere-unexpected-219961#:~:text=Roughly%2019%20million%20years%20old,Royal%20Society%20B%3A%20Biological%20Sciences.>

Thirteen Discoveries Made About Human Evolution in 2023

[https://www.smithsonianmag.com/smithsonian-institution/thirteen-discoveries-made-about-human-evolution-in-2023-180983512/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=112024&utm\\_content=recent&fbclid=IwAR1jOIH1EWCSUm5jjlyMho\\_D19xQiBWumSTAhgynO35UCUqHvg-cKvDOZiA](https://www.smithsonianmag.com/smithsonian-institution/thirteen-discoveries-made-about-human-evolution-in-2023-180983512/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=112024&utm_content=recent&fbclid=IwAR1jOIH1EWCSUm5jjlyMho_D19xQiBWumSTAhgynO35UCUqHvg-cKvDOZiA)

Did Ancient Humans Ever Go to War With Neanderthals?

[https://www.discovermagazine.com/the-sciences/did-ancient-humans-ever-go-to-war-with-neanderthals?utm\\_campaign=organicsocial&utm\\_content=%F0%9F%A4%9D+Unraveling+the+myth+of&utm\\_medium=social&utm\\_source=facebook&fbclid=IwAR37hbVohPRuo5sM70G5dXrlvHSlesaaHoDTWo98aOWFKomL9CXI3E67wWA](https://www.discovermagazine.com/the-sciences/did-ancient-humans-ever-go-to-war-with-neanderthals?utm_campaign=organicsocial&utm_content=%F0%9F%A4%9D+Unraveling+the+myth+of&utm_medium=social&utm_source=facebook&fbclid=IwAR37hbVohPRuo5sM70G5dXrlvHSlesaaHoDTWo98aOWFKomL9CXI3E67wWA)

The Migration of Ancient Indigenous People in South America is a Complex Tale

[https://www.discovermagazine.com/planet-earth/the-migration-of-ancient-indigenous-people-in-south-america-is-a-complex?utm\\_campaign=organicsocial&utm\\_content=%F0%9F%8C%8E+dive+into+the+captivat&utm\\_medium=social&utm\\_source=facebook&fbclid=IwAR11m3yNj038lxtD0n-nRiXih1iuDZHPn7vI29u35VyWvueMmZUtfu46GXY](https://www.discovermagazine.com/planet-earth/the-migration-of-ancient-indigenous-people-in-south-america-is-a-complex?utm_campaign=organicsocial&utm_content=%F0%9F%8C%8E+dive+into+the+captivat&utm_medium=social&utm_source=facebook&fbclid=IwAR11m3yNj038lxtD0n-nRiXih1iuDZHPn7vI29u35VyWvueMmZUtfu46GXY)

Lost ancient colony off coast of Australia that hundreds of thousands once called home discovered

<https://nypost.com/2023/12/22/news/lost-ancient-colony-off-coast-of-australia-discovered/>

Dinosaur finger bone from Lesotho rock shelter suggests Africans discovered fossils centuries before British did

[https://www.livescience.com/animals/dinosaurs/dinosaur-finger-bone-from-lesotho-rock-shelter-suggests-africans-discovered-fossils-centuries-before-british-did?utm\\_source=facebook.com&utm\\_content=livescience&utm\\_campaign=socialflow&utm\\_medium=social&fbclid=IwAR0RkZv7Tf5avuz8dnNqzqeKRFLszB1CIGwxg7Qr4iQWFu0maxe42qRBVZo](https://www.livescience.com/animals/dinosaurs/dinosaur-finger-bone-from-lesotho-rock-shelter-suggests-africans-discovered-fossils-centuries-before-british-did?utm_source=facebook.com&utm_content=livescience&utm_campaign=socialflow&utm_medium=social&fbclid=IwAR0RkZv7Tf5avuz8dnNqzqeKRFLszB1CIGwxg7Qr4iQWFu0maxe42qRBVZo)

What killed the 'real King Kong'? Scientists say they now know the answer to an ancient mystery

<https://www.nbcnews.com/news/world/real-king-kong-extinction-climate-change-vegetarian-fruit-rcna133389>

New dinosaur discovery may be the closest relative to Tyrannosaurus rex, scientists say

<https://abcnews.go.com/US/new-dinosaur-discovery-closest-relative-tyrannosaurus-rex-scientists/story?id=106223261&fbclid=IwAR3mlLr1r7BoJco0aJE6b-JiJWHHs5B57I9oijQX5Oycocd9WcyU9rYNug>

Many prehistoric handprints show a finger missing. What if this was not accidental?

<https://www.theguardian.com/science/2023/dec/23/prehistoric-handprints-finger-missing-ritually-removed>

Study uncovers potential origins of life in ancient hot springs

[https://phys.org/news/2024-01-uncovers-potential-life-ancient-hot.html#google\\_vignette](https://phys.org/news/2024-01-uncovers-potential-life-ancient-hot.html#google_vignette)

How much life has ever existed on Earth?

<https://phys.org/news/2024-01-life-earth.html>

## History

Judge blocks most of an Iowa law banning some school library books and discussion of LGBTQ+ issues

<https://www.pbs.org/newshour/education/judge-blocks-most-of-an-iowa-law-banning-some-school-library-books-and-discussion-of-lgbtq-issues>

Gold stolen from Hillsboro museum display case on Christmas Eve

<https://www.kgw.com/article/news/crime/gold-stolen-ice-northwest-museum-rocks-minerals/283-30866ebb-60d5-4360-94b6-26d0d02cdb6c>

Nevada Tribe Says Coalitions, Not Lawsuits, Will Protect Sacred Sites as US Advances Energy Agenda

<https://www.usnews.com/news/us/articles/2023-12-24/nevada-tribe-says-coalitions-not-lawsuits-will-protect-sacred-sites-as-us-advances-energy-agenda>

Harvard President Claudine Gay resigns amid plagiarism, antisemitism scandals: Crimson

[https://kfor.com/news/harvard-president-claudine-gay-resigns-amid-plagiarism-antisemitism-scandals-crimson/?utm\\_medium=referral&utm\\_source=facebook.com+&utm\\_campaign=socialflow&fbclid=IwAR1bUV9tu6xJstGCx40Br3FMVoMb57AaoUzwxvWW6vx7I0LXQOOqRnr8Q70](https://kfor.com/news/harvard-president-claudine-gay-resigns-amid-plagiarism-antisemitism-scandals-crimson/?utm_medium=referral&utm_source=facebook.com+&utm_campaign=socialflow&fbclid=IwAR1bUV9tu6xJstGCx40Br3FMVoMb57AaoUzwxvWW6vx7I0LXQOOqRnr8Q70)

Wounded Knee descendants group plans ceremony for artifacts

<https://ictnews.org/news/wounded-knee-descendants-group-plans-ceremony-for-artifacts?fbclid=IwAR21kcGy1PM592pE2HrXvCUUpQ39UHLkBM4wynth6155vgB6Xj1wjrjBKXto>

5 Must-See Oahu Historic Sites You Haven't Been To Yet

<https://www.hawaiimagazine.com/5-must-see-oahu-historic-sites-you-havent-been-to-yet/>

New Mohawk superhero asks, what if the Haudenosaunee were never colonized?

<https://www.northcountrypublicradio.org/news/story/49067/20240109/new-mohawk-superhero-asks-what-if-the-haudenosaunee-were-never-colonized>

Reintroduction of bison on the Wind River Reservation promotes cultural revitalization

[https://www.wyomingnewsnow.tv/2024/01/05/reintroduction-bison-wind-river-reservation-promotes-cultural-revitalization/?utm\\_campaign=snd-autopilot&fbclid=IwAR0amSot8w-7meSul8itTqxMSune9kZ4g\\_AsuotvJkrP077Afzbn2NdtXYg](https://www.wyomingnewsnow.tv/2024/01/05/reintroduction-bison-wind-river-reservation-promotes-cultural-revitalization/?utm_campaign=snd-autopilot&fbclid=IwAR0amSot8w-7meSul8itTqxMSune9kZ4g_AsuotvJkrP077Afzbn2NdtXYg)

Don Scott becomes first Black speaker in Virginia Legislature's 400-year history

<https://www.npr.org/2024/01/10/1223953846/don-scott-becomes-first-black-speaker-in-virginia-legislatures-400-year-history?sc=18&f=1001>

Facts never got in the way of a good Viking legend

[https://www.csmonitor.com/Books/2024/0111/Facts-never-got-in-the-way-of-a-good-Viking-legend?utm\\_term=Autofeed&utm\\_medium=Social&cmpid=FB&utm\\_source=Facebook&fbclid=IwAR1YWa5EpkEficLFbwPzTmYcwoN0AO99Ev2KunKmeNmQeCHigIYlyKqRU\\_4#Echobox=1705007641](https://www.csmonitor.com/Books/2024/0111/Facts-never-got-in-the-way-of-a-good-Viking-legend?utm_term=Autofeed&utm_medium=Social&cmpid=FB&utm_source=Facebook&fbclid=IwAR1YWa5EpkEficLFbwPzTmYcwoN0AO99Ev2KunKmeNmQeCHigIYlyKqRU_4#Echobox=1705007641)

Anthropologist finds South American cultures quickly adopted horses

<https://phys.org/news/2023-12-anthropologist-south-american-cultures-quickly.html>

Medieval belt buckle of 'dragon' eating frog discovered in Czech Republic may be from unknown pagan cult

<https://www.livescience.com/archaeology/medieval-belt-buckle-of-dragon-eating-frog-discovered-in-czech-republic-may-be-from-unknown-pagan-cult>

## Archaeology

Remains of palace, barns dating back 4,000 years found in central China

<https://english.news.cn/20231221/05442722e8bc4e2d87e385a3f4d674e7/c.html>

Study of Mongolian Arc adds to mystery surrounding its purpose

<https://phys.org/news/2023-12-mongolian-arc-mystery-purpose.html?fbclid=IwAR3866B4Ys6pknLT0aPaqqgqK2nlcDemFiyJtutsPP16hx-UWSCFVjzLgbQ>

Mystery Anglo-Saxon object found at Langham baffles experts

[https://www.bbc.com/news/uk-england-norfolk-67750556?at\\_bbc\\_team=editorial&at\\_medium=social&at\\_format=link&at\\_link\\_type=web\\_link&at\\_ptr\\_name=facebook\\_page&at\\_campaign\\_type=owned&at\\_campaign=Social Flow&at\\_link\\_id=47BC4F08-A7F3-11EE-96B8-4B61D9B5F045&at\\_link\\_origin=BBC\\_News&fbclid=IwAR0\\_Xdmo\\_tHuNqEHGIPIDf9ZEAzhnLKN Nbe87wxrYwV5bW5aq7qlsvB1ZSQ](https://www.bbc.com/news/uk-england-norfolk-67750556?at_bbc_team=editorial&at_medium=social&at_format=link&at_link_type=web_link&at_ptr_name=facebook_page&at_campaign_type=owned&at_campaign=Social Flow&at_link_id=47BC4F08-A7F3-11EE-96B8-4B61D9B5F045&at_link_origin=BBC_News&fbclid=IwAR0_Xdmo_tHuNqEHGIPIDf9ZEAzhnLKN Nbe87wxrYwV5bW5aq7qlsvB1ZSQ)

Archaeologists Are Unearthing the Stories of the Past Faster Than Ever Before

[https://www.smithsonianmag.com/science-nature/archaeologists-are-unearthing-stories-past-faster-ever-180973860/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=122024&utm\\_content=archival&fbclid=IwAR1Okmb95S2moBaCqN43LXa5Av8-VpmhLlpdNqnwoxG3Ap\\_MNsQ4VooXVxE](https://www.smithsonianmag.com/science-nature/archaeologists-are-unearthing-stories-past-faster-ever-180973860/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=122024&utm_content=archival&fbclid=IwAR1Okmb95S2moBaCqN43LXa5Av8-VpmhLlpdNqnwoxG3Ap_MNsQ4VooXVxE)

Norway archaeologists find 'world's oldest runestone'

[https://www.nbcnews.com/science/science-news/norway-archaeologists-find-worlds-oldest-runestone-rcna66066?utm\\_campaign=trueantheam&utm\\_medium=trueantheam&utm\\_source=facebook&fbclid=IwAR0e2nKFqU2VKDV\\_M1XJcue65O4WEAfWTrsRgvoFRYILLVqJNZCpORzAJwQ&branch\\_match\\_id=1195686125552732090&branch\\_referrer=H4slIAAAAAAAAAA8soKSkottLXz0tKzkstL9ZLLCjQy8nMy9a3zPdWLbdM9gx0S7JPS0rOyUyx9Sx3DDJINcrzdisMNQrzdgmL9zWM8EouTTUz9TcJd3VMCw8pKq5KL8t3C4r09PEJK%2FTyi3lu8A%2BqcvQqDwQAz488jGkAAAA%3D](https://www.nbcnews.com/science/science-news/norway-archaeologists-find-worlds-oldest-runestone-rcna66066?utm_campaign=trueantheam&utm_medium=trueantheam&utm_source=facebook&fbclid=IwAR0e2nKFqU2VKDV_M1XJcue65O4WEAfWTrsRgvoFRYILLVqJNZCpORzAJwQ&branch_match_id=1195686125552732090&branch_referrer=H4slIAAAAAAAAAA8soKSkottLXz0tKzkstL9ZLLCjQy8nMy9a3zPdWLbdM9gx0S7JPS0rOyUyx9Sx3DDJINcrzdisMNQrzdgmL9zWM8EouTTUz9TcJd3VMCw8pKq5KL8t3C4r09PEJK%2FTyi3lu8A%2BqcvQqDwQAz488jGkAAAA%3D)

Discovery of 'calendar' rock carvings from Ancestral Pueblo in US Southwest surpasses 'wildest expectations'

[https://www.livescience.com/archaeology/discovery-of-calendar-rock-carvings-from-ancestral-pueblo-in-us-southwest-surpasses-wildest-expectations?utm\\_content=livescience&utm\\_campaign=socialflow&utm\\_medium=social&utm\\_source=facebook.com&fbclid=IwAR0X6CbMH7T-y38TQBZ2DuBjXUnNTGqJ6JD7s21COvcDMKxm8qV42fjbhmQ](https://www.livescience.com/archaeology/discovery-of-calendar-rock-carvings-from-ancestral-pueblo-in-us-southwest-surpasses-wildest-expectations?utm_content=livescience&utm_campaign=socialflow&utm_medium=social&utm_source=facebook.com&fbclid=IwAR0X6CbMH7T-y38TQBZ2DuBjXUnNTGqJ6JD7s21COvcDMKxm8qV42fjbhmQ)

Cult mentality: Professor makes monumental discovery in Italy

<https://phys.org/news/2024-01-cult-mentality-professor-monumental-discovery.html?fbclid=IwAR0ZdOZsnQjPz7ZcFVqhMj5FqrGWytXIAfVc5-3dx6pxThpj3oVluQvE0oU>

Battle for the past: the Ukrainians trying to save their archaeological treasure amid war

<https://www.theguardian.com/science/2023/dec/26/battle-for-the-past-the-ukrainians-trying-to-save-their-archaeological-treasure-amid-war>

Huge ancient lost city found in the Amazon

<https://www.bbc.com/news/science-environment-67940671?fbclid=IwAR1Y6END2wzXtBtlmzPUDQcnFlsfnCTKDDrwsDeHWZw8A63ySDzXM5Ocdg4>

1,500-year-old gold buckles depicting ruler 'majestically sitting on a throne' discovered in Kazakhstan

<https://www.livescience.com/archaeology/1500-year-old-gold-buckles-depicting-ruler-majestically-sitting-on-a-throne-discovered-in-kazakhstan>

180-foot early medieval carving of naked bald man with club is probably Hercules, new study suggests

<https://www.livescience.com/archaeology/180-foot-early-medieval-carving-of-naked-bald-man-with-club-is-probably-hercules-new-study-suggests>

Small Neolithic Vessel Excavated in Central China

<https://www.archaeology.org/news/12050-240112-peiligang-neolithic-vessel>

## Egyptology

Ancient Egyptian teenager died while giving birth to twins, mummy reveals

<https://www.livescience.com/archaeology/ancient-egyptians/ancient-egyptian-teenager-died-while-giving-birth-to-twins-mummy-reveals>



## General Science

Computational method discovers hundreds of new ceramics for extreme environments

<https://phys.org/news/2024-01-method-hundreds-ceramics-extreme-environments.html?fbclid=IwAR1WpVuCYn0Dkv1g-jCn959Qz2dMbPRTY0184rLoryqXnkDGx18QlqRvaBc>

World's 1st graphene semiconductor could power future quantum computers

[https://www.livescience.com/technology/electronics/worlds-first-graphene-semiconductor-could-power-future-quantum-computers?utm\\_medium=social&utm\\_content=livescience&utm\\_campaign=socialflow&utm\\_source=facebook.com&fbclid=IwAR0H-ZekT8hn1PcKbYmWolk13NMkIKQmmFhlq1Yh4LmgS1Y1oxo4umENqwM](https://www.livescience.com/technology/electronics/worlds-first-graphene-semiconductor-could-power-future-quantum-computers?utm_medium=social&utm_content=livescience&utm_campaign=socialflow&utm_source=facebook.com&fbclid=IwAR0H-ZekT8hn1PcKbYmWolk13NMkIKQmmFhlq1Yh4LmgS1Y1oxo4umENqwM)

The Eight Coolest Inventions From the 2024 Consumer Electronics Show

<https://www.smithsonianmag.com/innovation/the-eight-coolest-inventions-from-the-2024-consumer-electronics-show-180983577/>

Scientists show how shallow learning mechanism used by the brain can compete with deep learning

[https://techxplore.com/news/2024-01-scientists-shallow-mechanism-brain-deep.html?fbclid=IwAR22kgZUZYikJHsFtisQy0Qjf9euQM\\_6RJnJvLBilSptotNqPmu0bhrgfdU](https://techxplore.com/news/2024-01-scientists-shallow-mechanism-brain-deep.html?fbclid=IwAR22kgZUZYikJHsFtisQy0Qjf9euQM_6RJnJvLBilSptotNqPmu0bhrgfdU)

Catalytic combo converts CO<sub>2</sub> to solid carbon nanofibers

<https://www.eurekalert.org/news-releases/1030754>

## Physics, Earth and Space Sciences

US military space plane blasts off on another secretive mission expected to last years

<https://apnews.com/article/secret-space-plane-x-37b-4faa4c90a44b2cac111709af9106c6db>

From the Moon's south pole to an ice-covered ocean world, several exciting space missions are slated for launch in 2024

<https://theconversation.com/from-the-moons-south-pole-to-an-ice-covered-ocean-world-several-exciting-space-missions-are-slated-for-launch-in-2024-218000>

Take a look at these astonishing new images of Jupiter's volcanic moon Io

<https://www.npr.org/2023/12/31/1222345665/take-a-look-at-these-astonishing-new-images-of-jupiters-volcanic-moon-io>

Model suggests some asteroids that come close to Earth are torn apart by its gravity

[https://phys.org/news/2023-12-asteroids-earth-torn-gravity.html?fbclid=IwAR30JK6LjT4ohTAAAtDViQ-7LOARSu8SFUTa2qEF3JNpr\\_VQuPIcV9urV8Yc](https://phys.org/news/2023-12-asteroids-earth-torn-gravity.html?fbclid=IwAR30JK6LjT4ohTAAAtDViQ-7LOARSu8SFUTa2qEF3JNpr_VQuPIcV9urV8Yc)

Mysterious fast radio bursts in space keep getting stranger

<https://www.cnn.com/2023/12/14/world/repeating-fast-radio-burst-quirk-scn/index.html>

A method to straighten curved space-time

<https://phys.org/news/2024-01-method-straighten-space.html?fbclid=IwAR2Zbz9OxjcOI1i5qYbMERSfHHaD5HBjl2F7qwjqFaWIWlIO6pQscsmBQ>

More delays for NASA's astronaut moonshots, with crew landing off until 2026

<https://apnews.com/article/nasa-moon-landings-artemis-delay-23e425d490c0c9e65ae774ec2e00f090>

Fuel leak forces U.S. company to abandon moon landing attempt

<https://www.npr.org/2024/01/08/1223424903/first-u-s-lunar-lander-in-more-than-50-years-rockets-toward-the-moon>

Navajo Nation objects to a plan to send human remains to the moon

<https://www.npr.org/2024/01/08/1223377817/navajo-moon-human-remains>

'Rogue black holes' might be neither 'rogue' nor 'black holes'

[https://www.popsoci.com/science/what-are-rogue-black-holes/?fbclid=IwAR1gl\\_w4f9tPWoxmM0RaRld\\_p7xrZeSksC1rS6k2jVEMTC2QYux\\_oAWaDcQ](https://www.popsoci.com/science/what-are-rogue-black-holes/?fbclid=IwAR1gl_w4f9tPWoxmM0RaRld_p7xrZeSksC1rS6k2jVEMTC2QYux_oAWaDcQ)

Astronomers find spark of star birth across billions of years

<https://phys.org/news/2024-01-astronomers-star-birth-billions-years.html>

New paper explores four nearby fast radio burst sources

<https://phys.org/news/2024-01-paper-explores-nearby-fast-radio.html>

## Environment, Climate Change and Alternative Energy Sources

This oil company invests in pulling CO2 out of the sky — so it can keep selling crude

<https://www.npr.org/2023/12/27/1210928126/oil-climate-change-carbon-capture-removal-direct-air-capture-occidental?sc=18&f=1001>

Offshore wind in the U.S. hit headwinds in 2023. Here's what you need to know

<https://www.npr.org/2023/12/27/1221639019/offshore-wind-in-the-u-s-hit-headwinds-in-2023-heres-what-you-need-to-know?sc=18&f=1001>

Aloe vera peels could fight staple food crop pests

[https://www.scidev.net/global/news/aloe-vera-peels-could-fight-staple-food-crop-pests/?utm\\_source=SciDev.Net&utm\\_medium=email&utm\\_campaign=14292768\\_2024-01-08%20Weekly%20Email%20Digest%20-%20Global%20Template.%20For%20no%20topic%20preferences&dm\\_i=1SCG,8ICDC,V1AOM,Z6V4Y,1](https://www.scidev.net/global/news/aloe-vera-peels-could-fight-staple-food-crop-pests/?utm_source=SciDev.Net&utm_medium=email&utm_campaign=14292768_2024-01-08%20Weekly%20Email%20Digest%20-%20Global%20Template.%20For%20no%20topic%20preferences&dm_i=1SCG,8ICDC,V1AOM,Z6V4Y,1)

Researchers find a massive number of plastic particles in bottled water

<https://www.npr.org/2024/01/10/1223730333/bottled-water-plastic-microplastic-nanoplastic-study?sc=18&f=1001>

2023's record heat partly driven by 'mystery' process: NASA scientist

<https://phys.org/news/2024-01-driven-mystery-nasa-scientist.html>

Scientists come up with technology to recycle used clothes rather than simply burning them

<https://phys.org/news/2024-01-scientists-technology-recycle-simply.html>

## Biological, Genetics and Medical Sciences

Orcas sunk ships, a famed whale was almost freed, and more amazing whale stories from 2023  
<https://www.usatoday.com/story/news/nation/2023/12/30/whales-2023-sinking-ships-endangered/72050578007/>

Apes remember long-lost friends and family they haven't seen in decades  
<https://www.npr.org/2023/12/26/1221543486/chimps-bonobos-recognize-friends-family-decades-apart?sc=18&f=1001>

Scientists discover the first new antibiotics in over 60 years using AI  
[https://www.euronews.com/next/2023/12/31/scientists-discover-the-first-new-antibiotics-in-over-60-years-using-ai?utm\\_source=Twitter&utm\\_medium=Social](https://www.euronews.com/next/2023/12/31/scientists-discover-the-first-new-antibiotics-in-over-60-years-using-ai?utm_source=Twitter&utm_medium=Social)

Lost history of Antarctica revealed in octopus DNA  
[https://www.science.org/content/article/lost-history-antarctica-revealed-octopus-dna?utm\\_campaign=SciMag&utm\\_source=Facebook&utm\\_medium=ownedSocial&fbclid=IwAR2hkLS7n8Jbrb4eGq1A1SBWTbelzDUDPf7G3FJb2pkZydL4fB8dd55cCJw](https://www.science.org/content/article/lost-history-antarctica-revealed-octopus-dna?utm_campaign=SciMag&utm_source=Facebook&utm_medium=ownedSocial&fbclid=IwAR2hkLS7n8Jbrb4eGq1A1SBWTbelzDUDPf7G3FJb2pkZydL4fB8dd55cCJw)

DNA from ancient Europeans reveals surprising multiple sclerosis origins  
[https://www.reuters.com/science/dna-ancient-europeans-reveals-surprising-multiple-sclerosis-origins-2024-01-10/?utm\\_campaign=trueAnthem%3A%20Trending%20Content&utm\\_medium=trueAnthem&utm\\_source=facebook&fbclid=IwAR2y6ARdSgg8cb-BqEU0sOxPOeyZpg5nSji4iWakWZtz3nvC8DZg61\\_89mk](https://www.reuters.com/science/dna-ancient-europeans-reveals-surprising-multiple-sclerosis-origins-2024-01-10/?utm_campaign=trueAnthem%3A%20Trending%20Content&utm_medium=trueAnthem&utm_source=facebook&fbclid=IwAR2y6ARdSgg8cb-BqEU0sOxPOeyZpg5nSji4iWakWZtz3nvC8DZg61_89mk)

Sperm whales found to live in large, matrilineally based clans  
[https://phys.org/news/2024-01-sperm-whales-large-matrilineally-based.html?fbclid=IwAR0EfBWRQnWkdvryKHLqZeXCig0qiQpyC8SWrDix-WFaekge9XgE6\\_UyxyE](https://phys.org/news/2024-01-sperm-whales-large-matrilineally-based.html?fbclid=IwAR0EfBWRQnWkdvryKHLqZeXCig0qiQpyC8SWrDix-WFaekge9XgE6_UyxyE)

An endangered river dolphin finds an unlikely savior: fisherfolk  
<https://www.npr.org/sections/goatsandsoda/2024/01/07/1223055617/an-endangered-river-dolphin-finds-an-unlikely-savior-fisherfolk?sc=18&f=1001>

Drinkable, carbon monoxide-infused foam enhances effectiveness of experimental cancer therapy  
<https://medicalxpress.com/news/2024-01-drinkable-carbon-monoxide-infused-foam.html>

## Other

Announcing Project Aquarius, The Mutual UFO Network's Digital Library

[https://fox5sandiego.com/business/press-releases/ein-presswire/676662471/announcing-project-aquarius-the-mutual-ufo-networks-digital-library/?fbclid=IwAR00j10vSB1UA9GSyegluC12\\_HsYAjE6f2VpretNFtIgio-46S2srN5ZBQ0](https://fox5sandiego.com/business/press-releases/ein-presswire/676662471/announcing-project-aquarius-the-mutual-ufo-networks-digital-library/?fbclid=IwAR00j10vSB1UA9GSyegluC12_HsYAjE6f2VpretNFtIgio-46S2srN5ZBQ0)

## Additional Informational

Local obituary: Rena Ferber Finder, a Schindler's List survivor

[https://www.boston.com/news/massachusetts-obituaries/2023/12/28/local-obituary-rena-ferber-finder-a-schindlers-list-survivor/?s\\_campaign=bcom%3Asocialflow%3Afacebook&fbclid=IwAR25CjMAgPBSwe3pfowGAfNzuLFckck0eDd7IM7Uiq0hy-b70-wlHXCcsQ](https://www.boston.com/news/massachusetts-obituaries/2023/12/28/local-obituary-rena-ferber-finder-a-schindlers-list-survivor/?s_campaign=bcom%3Asocialflow%3Afacebook&fbclid=IwAR25CjMAgPBSwe3pfowGAfNzuLFckck0eDd7IM7Uiq0hy-b70-wlHXCcsQ)

Global Science Leaders ISC and IAP Issue Joint Statement on Protecting the Autonomy of National Academies of Science

[https://council.science/current/news/joint-isc-iap-statement-academies/?fbclid=IwAR2cyqS2JEbumMxhP-nYI9srGYvsehmcx7i-0\\_NOMYNNn0RZeveHhrOKdH8](https://council.science/current/news/joint-isc-iap-statement-academies/?fbclid=IwAR2cyqS2JEbumMxhP-nYI9srGYvsehmcx7i-0_NOMYNNn0RZeveHhrOKdH8)

MIT group releases white papers on governance of AI

[https://news.mit.edu/2023/mit-group-releases-white-papers-governance-ai-1211?fbclid=IwAR0\\_Oh6JHkrzZWvpXUI9W-T6DRZkcQ3BsNV4tFIINLw6DV1ENxZOftkg4N9U](https://news.mit.edu/2023/mit-group-releases-white-papers-governance-ai-1211?fbclid=IwAR0_Oh6JHkrzZWvpXUI9W-T6DRZkcQ3BsNV4tFIINLw6DV1ENxZOftkg4N9U)

COP28 agreement: embracing the urgency of the scientific consensus?

[https://council.science/current/blog/cop28-urgency-of-scientific-consensus/?fbclid=IwAR1idY43nlmCZigDTYDDZqLhhETu0uz1LySLqV9V3WWbXPmfPeAl\\_klePWU](https://council.science/current/blog/cop28-urgency-of-scientific-consensus/?fbclid=IwAR1idY43nlmCZigDTYDDZqLhhETu0uz1LySLqV9V3WWbXPmfPeAl_klePWU)

UMD Researchers' 'Cooling Glass' Blasts Building Heat Into Space

[https://eng.umd.edu/news/story/umd-researchersquo-lsquocooling-glassrsquo-blasts-building-heat-into-space?fbclid=IwAR1fjgE-JsQxY541kRodW846PIM3a6PfNuQTgt-4R\\_ggBshdrR8tubNJOts](https://eng.umd.edu/news/story/umd-researchersquo-lsquocooling-glassrsquo-blasts-building-heat-into-space?fbclid=IwAR1fjgE-JsQxY541kRodW846PIM3a6PfNuQTgt-4R_ggBshdrR8tubNJOts)

Meet 'Coscientist,' your AI lab partner

[https://new.nsf.gov/science-matters/meet-coscientist-your-ai-lab-partner?sf185096644=1&fbclid=IwAR3Vxu5UqLFOHwAhMX1-FGTMxvk\\_OnrkCVRhShe9cP3kBOZ1JwRghS8pww](https://new.nsf.gov/science-matters/meet-coscientist-your-ai-lab-partner?sf185096644=1&fbclid=IwAR3Vxu5UqLFOHwAhMX1-FGTMxvk_OnrkCVRhShe9cP3kBOZ1JwRghS8pww)

The Role of Science and Technology in Preparing for Future Change

<https://www.dhs.gov/science-and-technology/news/2023/12/21/role-science-and-technology-preparing-future-change>

TED Talk, Are we the last generation — or the first sustainable one?

[https://www.ted.com/talks/hannah\\_ritchie\\_are\\_we\\_the\\_last\\_generation\\_or\\_the\\_first\\_sustainable\\_one](https://www.ted.com/talks/hannah_ritchie_are_we_the_last_generation_or_the_first_sustainable_one)

TED Talk, A mysterious design that appears across millennia

[https://www.ted.com/talks/terry\\_moore\\_a\\_mysterious\\_design\\_that\\_appears\\_across\\_millennia](https://www.ted.com/talks/terry_moore_a_mysterious_design_that_appears_across_millennia)

Aliens at a Miami mall? Social media claims about police incident are astronomically wrong

[https://www.politifact.com/factchecks/2024/jan/08/instagram-posts/aliens-at-a-miami-mall-social-media-claims-about-p/?utm\\_medium=Social&utm\\_source=Twitter#Echobox=1704808566-1](https://www.politifact.com/factchecks/2024/jan/08/instagram-posts/aliens-at-a-miami-mall-social-media-claims-about-p/?utm_medium=Social&utm_source=Twitter#Echobox=1704808566-1)

My Days at Sea on Okeanos Explorer

<https://oceanexplorer.noaa.gov/okeanos/explorations/express/ex2308/features/mia-lopez/mia-lopez-updates.html?fbclid=IwAR3TRvC-5XDbvARIfXtwxpWpPrP6XFvllKi1ziytUQhcD7oQqOKLUBAbL2o>

Autonomous lab discovers best-in-class quantum dot in hours

[https://new.nsf.gov/news/autonomous-lab-discovers-best-class-quantum-dot?fbclid=IwAR0F1jSf6xYyOG078TPSSr1AIIH3WrSge7RbeqxGuFbznauqregZ0iou7\\_4#image-caption-credit-block?sf185480900=1](https://new.nsf.gov/news/autonomous-lab-discovers-best-class-quantum-dot?fbclid=IwAR0F1jSf6xYyOG078TPSSr1AIIH3WrSge7RbeqxGuFbznauqregZ0iou7_4#image-caption-credit-block?sf185480900=1)

TESSERAE: Orbital Case Study

<https://www.aureliainstitute.org/tesseract-orbital-case-study>

Indians - A Brief History of a Civilization: Ep 1 - The Harappans- Video

[https://www.harappa.com/video/indians-brief-history-civilization-ep-1-harappans?fbclid=IwAR3LTaS9bFf0ug-2mFx3D8DCbO\\_QfajZVSBKGB4R93OK\\_iB23lzs36q-Qo](https://www.harappa.com/video/indians-brief-history-civilization-ep-1-harappans?fbclid=IwAR3LTaS9bFf0ug-2mFx3D8DCbO_QfajZVSBKGB4R93OK_iB23lzs36q-Qo)

“Beyond weathering the storm”: rethinking climate resilience

<https://council.science/current/blog/beyond-weathering-the-storm-rethinking-climate-resilience/>

Indian Affairs Invests \$1.5 Million in Bison Herd Expansion and Ecosystem Restoration

<https://www.bia.gov/news/indian-affairs-invests-15-million-bison-herd-expansion-and-ecosystem-restoration>

BOEM Seeks Public Comment on Draft Environmental Analysis of Central Atlantic Offshore Wind Energy Areas

<https://www.boem.gov/newsroom/press-releases/boem-seeks-public-comment-draft-environmental-analysis-central-atlantic>

Semantic scope of Indus inscriptions comprising taxation, trade and craft licensing, commodity control and access control: archaeological and script-internal evidence

[https://www.harappa.com/content/semantic-scope-indus-inscriptions-comprising-taxation-trade-and-craft-licensing-commodity?fbclid=IwAR0XI9nweQFXW1qFqvBWgvt0LvmTZpocWgU3VQPXe7AITSeSxuA3B\\_PAAuc](https://www.harappa.com/content/semantic-scope-indus-inscriptions-comprising-taxation-trade-and-craft-licensing-commodity?fbclid=IwAR0XI9nweQFXW1qFqvBWgvt0LvmTZpocWgU3VQPXe7AITSeSxuA3B_PAAuc)