

# Weekly Science Report

September 29, 2023

**“Nothing great was ever achieved without enthusiasm.”**

Ralph Waldo Emerson

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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

Yea or Neigh? Researchers Once Thought This Ice Age Figurine Depicted A Horse—New Discoveries at the Same Site Tell A Different Story

[https://news.artnet.com/art-world/hohle-fels-sculpture-2350071?utm\\_campaign=artnet-news&utm\\_content=1695297614&utm\\_medium=social&utm\\_source=facebook&fbclid=IwAR0iwNt8YV7KLJirgYvKyS8fJrMCFVBWpQT-6MHu1vj9rGJFnqmDILP0AsQ](https://news.artnet.com/art-world/hohle-fels-sculpture-2350071?utm_campaign=artnet-news&utm_content=1695297614&utm_medium=social&utm_source=facebook&fbclid=IwAR0iwNt8YV7KLJirgYvKyS8fJrMCFVBWpQT-6MHu1vj9rGJFnqmDILP0AsQ)

Half-million-year-old Wooden Structure Found in Zambia

<https://www.haaretz.com/archaeology/2023-09-20/ty-article/half-million-year-old-wooden-structure-found-in-zambia/0000018a-b1a5-d6d1-addb-f5afa0a90000?fbclid=IwAR3M9i1aCF8oQgRUZFTThGziCGlwyTSHS0f-4Ab8JoB-m8S2UMJEkFLAkBaU>

A new human species? Mystery surrounds 300,000-year-old fossil

[https://www.nature.com/articles/d41586-023-02924-8?utm\\_medium=Social&utm\\_campaign=nature&utm\\_source=Facebook&fbclid=IwAR07w9x\\_0SkOv-xnoqSyGAa1V0dpCOuwjLCfXc-9CUCx64wczUJV4IL\\_mC8#Echobox=1695053306-1](https://www.nature.com/articles/d41586-023-02924-8?utm_medium=Social&utm_campaign=nature&utm_source=Facebook&fbclid=IwAR07w9x_0SkOv-xnoqSyGAa1V0dpCOuwjLCfXc-9CUCx64wczUJV4IL_mC8#Echobox=1695053306-1)

We carry DNA from extinct cousins like Neanderthals. Science is now revealing their genetic legacy

<https://apnews.com/article/neanderthals-denisovans-genetics-dna-disease-e49cb7d939cfe5d583e7ed0af8751784>

Were these stone balls made by ancient human relatives trying to perfect the sphere?

[https://www.science.org/content/article/were-these-stone-balls-made-ancient-human-relatives-trying-perfect-sphere?utm\\_campaign=SciMag&utm\\_source=Facebook&utm\\_medium=ownedSocial&fbclid=IwAR1FBkCbiipJCG3VBq4Eq3c7TAbcCsZkbtBBNyT6qNR5zAcshWJ4hOPiBqQ](https://www.science.org/content/article/were-these-stone-balls-made-ancient-human-relatives-trying-perfect-sphere?utm_campaign=SciMag&utm_source=Facebook&utm_medium=ownedSocial&fbclid=IwAR1FBkCbiipJCG3VBq4Eq3c7TAbcCsZkbtBBNyT6qNR5zAcshWJ4hOPiBqQ)

Earliest Baskets in Europe, From Almost 10,000 Years Ago, Found in Spanish Cave

<https://www.haaretz.com/archaeology/2023-09-27/ty-article/earliest-baskets-in-europe-from-almost-10-000-years-ago-found-in-spanish-cave/0000018a-d71f-d476-abcf-f7ff5b860000?fbclid=IwAR2hTk0cEw2QXkhvfmcSpov-8FF4JISKi5FTdWzlpNHL55u7i0Cc2LS9uM4>

125 million-year-old dinosaur feathers were remarkably similar to modern bird feathers, analysis reveals

[https://www.livescience.com/animals/dinosaurs/125-million-year-old-dinosaur-feathers-were-remarkably-similar-to-modern-bird-feathers-analysis-reveals?utm\\_medium=social&utm\\_campaign=socialflow&utm\\_source=facebook.com&utm\\_content=livescience&fbclid=IwAR0DE3D89xYDbqBrFLKqInuxV6s2BzPOkqyVKA7gFW76DUeHOulGzNNqBSM](https://www.livescience.com/animals/dinosaurs/125-million-year-old-dinosaur-feathers-were-remarkably-similar-to-modern-bird-feathers-analysis-reveals?utm_medium=social&utm_campaign=socialflow&utm_source=facebook.com&utm_content=livescience&fbclid=IwAR0DE3D89xYDbqBrFLKqInuxV6s2BzPOkqyVKA7gFW76DUeHOulGzNNqBSM)

From passerine birds to cranes: Neolithic bird hunting in Upper Mesopotamia

<https://phys.org/news/2023-09-passerine-birds-cranes-neolithic-bird.html>

Understanding the role of pareidolia in early human cave art

<https://phys.org/news/2023-09-role-pareidolia-early-human-cave.html>

Box of donated artifacts turns out to be treasure trove of Neanderthal bones

<https://phys.org/news/2023-09-donated-artifacts-treasure-trove-neanderthal.html>

Pollen could hold clues to mysteries of early human migration  
<https://www.popsi.com/science/pollen-human-migration/>

Modeling of adhesive technology sheds new light on prehistoric cognition  
<https://phys.org/news/2023-09-adhesive-technology-prehistoric-cognition.html>

South African hominin fossils were sent into space and scientists are enraged  
<https://phys.org/news/2023-09-south-african-hominin-fossils-space.html>

## History

New Indo-European language discovered during excavation in Turkey

<https://phys.org/news/2023-09-indo-european-language-excavation-turkey.html>

Texas teacher removed after using Anne Frank graphic novel with sexual content

<https://www.nbcnews.com/news/education/texas-teacher-removed-using-anne-frank-graphic-novel-sexual-content-rcna108039>

There have been attempts to censor more than 1,900 library book titles so far in 2023

<https://www.npr.org/2023/09/20/1200647985/book-bans-libraries-schools?sc=18&f=1001>

Book ban targets ethnic Mongolians

<https://ictnews.org/news/global-indigenous-book-ban-targets-ethnic-mongolians?fbclid=IwAR2v2pu5cY8ZZT6PRThd2BDZWQIYRMWlz4cJYpODxfqNXrluJWYqXY3NLzs>

Stolen ancient treasures found at Australian museum — including artifact likely smuggled out of Italy under piles of pasta

<https://www.cbsnews.com/news/stolen-treasures-australian-national-university-one-likely-smuggled-italy-pasta/>

UNESCO designates ancient Jericho ruins as World Heritage Site, sparking Israeli ire

<https://www.cnn.com/travel/article/unesco-jericho-ruins-tell-es-sultan/index.html>

Data Aids Repatriation Efforts

<https://ictnews.org/newscasts/09-19-2023?fbclid=IwAR29U5VeDXxFeXoMMqYGsFsFnwoHYFc7HKJ2HhsB1ErrcoE0U5dZ7Lynv3E>

Letter showing Pope Pius XII had detailed information from German Jesuit about Nazi crimes revealed

<https://apnews.com/article/vatican-pius-holocaust-jews-pius-pope-poland-8c511a4b99345d98f54af69dda6d2a66>

Nazi Germany had admirers among American religious leaders – and white supremacy fueled their support

<https://theconversation.com/nazi-germany-had-admirers-among-american-religious-leaders-and-white-supremacy-fueled-their-support-213635>

Ancient Amazonians created mysterious 'dark earth' on purpose

<https://www.science.org/content/article/ancient-amazonians-created-mysterious-dark-earth-purpose?fbclid=IwAR2Xv7KxWowAVOs2kKoSYNj0HKanCAd6ncdMmFxl2UtU68ywcYck2jMpqmM>

'No one could have predicted.' DNA offers surprises on how Polynesia was settled

[https://www.science.org/content/article/no-one-could-have-predicted-dna-offers-surprises-how-polynesia-was-settled?utm\\_medium=ownedSocial&utm\\_campaign=NewsfromScience&utm\\_source=Facebook&fbclid=IwAR1OveYpchYb9PFEqfG95rWvy07BHd59WcwTpM8hNLI28hQ1GgJ6lk1RrCE](https://www.science.org/content/article/no-one-could-have-predicted-dna-offers-surprises-how-polynesia-was-settled?utm_medium=ownedSocial&utm_campaign=NewsfromScience&utm_source=Facebook&fbclid=IwAR1OveYpchYb9PFEqfG95rWvy07BHd59WcwTpM8hNLI28hQ1GgJ6lk1RrCE)

In 1971, a mysterious hijacker parachuted out of a plane with \$200,000 and vanished. This man is suing the FBI to get potential new clues

<https://www.cnn.com/2023/09/27/us/db-cooper-skyjacking-mystery-ulis-cec/index.html#:~:text=It%20remains%20the%20only%20unsolved,and%20demanded%20%24200%2C000%20in%20ransom.&text=When%20decades%20passed%20without%20any,closed%20the%20case%20in%202016>

In new collaborations, tribes become stewards of parks, monuments

<https://ictnews.org/news/in-new-collaborations-tribes-become-stewards-of-parks-monuments?fbclid=IwAR3tNi7tR7KU5EV00o6sQxPL2wqgnYTZ3hzHbE1-MolZQkylyDPMISMwt3E>

They may have founded Rome, then vanished. New work sheds light on the mysterious Etruscans

[https://www.science.org/content/article/they-may-have-founded-rome-then-vanished-work-sheds-light-mysterious-etruscans?utm\\_campaign=SciMag&utm\\_source=Facebook&utm\\_medium=ownedSocial&fbclid=IwAR2eRN5YymJ6aEJdnrKTERRYH-FAO-wbAlJqzJK5Cjo0qOF-n7lcgifnRTE](https://www.science.org/content/article/they-may-have-founded-rome-then-vanished-work-sheds-light-mysterious-etruscans?utm_campaign=SciMag&utm_source=Facebook&utm_medium=ownedSocial&fbclid=IwAR2eRN5YymJ6aEJdnrKTERRYH-FAO-wbAlJqzJK5Cjo0qOF-n7lcgifnRTE)

Exclusive: first colour photographs shed fresh light on Ethiopia's most treasured icon and its looting by an agent of the British Museum

<https://www.theartnewspaper.com/2023/09/25/exclusive-first-colour-photographs-shed-fresh-light-on-ethiopias-most-treasured-icon-and-its-looting-by-an-agent-of-the-british-museum>

'Enough is enough': US looted treasures unit faces accusations over credit

[https://www.theguardian.com/science/2023/sep/26/antiquities-trafficking-unit-archaeologist-christos-tsirogiannis?utm\\_source=dlvr.it&utm\\_medium=twitter&s=09](https://www.theguardian.com/science/2023/sep/26/antiquities-trafficking-unit-archaeologist-christos-tsirogiannis?utm_source=dlvr.it&utm_medium=twitter&s=09)

Former Argentine Torture Center Added to UNESCO Heritage

<https://learningenglish.voanews.com/a/former-argentine-torture-center-added-to-unesco-heritage/7276382.html>

National Museum fire: At least 817 artifacts impacted

<https://en.antaranews.com/news/294015/national-museum-fire-at-least-817-artifacts-impacted>

Nebraska museums have yet to return over 100 sets of Native American remains

<https://www.1011now.com/2023/09/18/nebraska-museums-have-yet-return-over-100-sets-native-american-remains/>

Sen. Dianne Feinstein, a trailblazer in U.S. politics and the longest-serving woman in the Senate, dies at age 90

<https://www.nbcnews.com/politics/congress/dianne-feinstein-rcna18010>

A history of nurses: They once had the respect they're now trying to win

<https://www.npr.org/sections/goatsandsoda/2023/09/27/1186083177/a-history-of-nurses-they-once-had-the-respect-theyre-now-trying-to-win?sc=18&f=1001>

1,400-year-old tomb of emperor in China reveals evidence of royal power struggle among brothers and a warlord

<https://www.livescience.com/archaeology/1400-year-old-tomb-of-emperor-in-china-reveals-evidence-of-royal-power-struggle-among-brothers-and-a-warlord>

The Surprisingly Radical Roots of the Renaissance Fair

<https://www.smithsonianmag.com/history/the-surprisingly-radical-roots-of-the-renaissance-fair-180982918/>

A Century Before the Residents of a Remote Island Killed a Christian Missionary, Their Predecessors Resisted the British Empire

<https://www.smithsonianmag.com/history/century-before-residents-remote-island-killed-christian-missionary-predecessors-resisted-british-empire-180982871/>

New Research Reveals How the Nazis Targeted Transgender People  
<https://www.smithsonianmag.com/history/new-research-reveals-how-the-nazis-targeted-transgender-people-180982931/>

## Archaeology

Caves in Spain contain ancient human remains that were modified – study

<https://www.jpost.com/archaeology/article-760442?fbclid=IwAR2aCmnJ0JxbOAMoGei2xjCn74leKx9XZQ5M5xqVcA2DJtVHri1GmZQ-Ap4>

Turkish Archaeologists Have Uncovered a Long-Rumored Subterranean City Used as a Sanctuary During the Roman Empire

[https://news.artnet.com/art-world/sarayini-turkey-2355847?&utm\\_source=facebook&utm\\_medium=social&utm\\_campaign=artnet-news&fbclid=IwAR1QjQiS\\_4Yq3Sf2SOd8WSoCl6CaVcCP6z0dpIm24abN8BAKB5a-EfqIPN8](https://news.artnet.com/art-world/sarayini-turkey-2355847?&utm_source=facebook&utm_medium=social&utm_campaign=artnet-news&fbclid=IwAR1QjQiS_4Yq3Sf2SOd8WSoCl6CaVcCP6z0dpIm24abN8BAKB5a-EfqIPN8)

Archaeologists unearth largest cemetery ever found in Gaza, with rare lead sarcophagi

[https://www.timesofisrael.com/archaeologists-unearth-largest-cemetery-ever-found-in-gaza-with-rare-lead-sarcophagi/#:~:text=GAZA%20CITY%2C%20Gaza%20Strip%20\(AP,largest%20cemetery%20discovered%20in%20Gaza.](https://www.timesofisrael.com/archaeologists-unearth-largest-cemetery-ever-found-in-gaza-with-rare-lead-sarcophagi/#:~:text=GAZA%20CITY%2C%20Gaza%20Strip%20(AP,largest%20cemetery%20discovered%20in%20Gaza.)

16-year-old boy arrested in England over the 'deliberate' felling of a famous tree at Hadrian's Wall

[https://apnews.com/article/hadrians-wall-sycamore-gap-felled-tree-05975a763c90648b4594d6e64b42e9f2?utm\\_campaign=TrueAnthem&utm\\_medium=AP&utm\\_source=Facebook&fbclid=IwAR2AsigDJvhM6ifrxO-f9ZsJJ09Sd5-\\_jQhMzVtT\\_FG2hCC9umBFL-nfz8Q](https://apnews.com/article/hadrians-wall-sycamore-gap-felled-tree-05975a763c90648b4594d6e64b42e9f2?utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Facebook&fbclid=IwAR2AsigDJvhM6ifrxO-f9ZsJJ09Sd5-_jQhMzVtT_FG2hCC9umBFL-nfz8Q)

'Very rare' Bronze Age arrow with quartzite tip uncovered from melting ice after 3,000 years

<https://www.livescience.com/archaeology/very-rare-iron-age-arrow-with-quartzite-tip-uncovered-from-melting-ice-after-3500-years>

Forgotten Ancient Structure Uncovered by Devastating Libyan Floods

<https://www.artnews.com/art-news/news/libya-floods-ancient-greek-archaeology-uncovered-1234680783/>

Israel uncovers ancient Christian inscription from Book of Psalms

<https://www.jpost.com/archaeology/article-760618>

2,000-Year-Old Child's Shoe Found in Austrian Mine

<https://www.smithsonianmag.com/smart-news/2000-year-old-childs-shoe-found-in-austria-180982946/>

See the Face of a Bronze Age Woman Who Lived in Scotland 4,000 Years Ago

<https://www.smithsonianmag.com/smart-news/see-the-remarkable-reconstruction-of-a-4000-year-old-bronze-age-woman-180982978/>

## Egyptology

British Museum bought ancient Egyptian artefact from convicted antiquities smuggler

<https://www.thenationalnews.com/world/uk-news/2023/09/25/british-museum-bought-ancient-egyptian-artefact-from-convicted-antiquities-smuggler/>

New rooms discovered in Sahura's pyramid

<https://phys.org/news/2023-09-rooms-sahura-pyramid.html>

Ram Heads for Ramesses

<https://www.archaeology.org/issues/524-2309/digs/11648-digs-discoveries-egypt-rams-heads-ramesses>

## General Science

Flexible robot that can sneak into small spaces for mapping, inspections

[https://techxplore.com/news/2023-09-flexible-robot-small-spaces.html?fbclid=IwAR0jjNUJKk1TCk38ZrkINM0kfWP4\\_tr1wPjFILLK4D57zhhVDJzi7FSOT7M](https://techxplore.com/news/2023-09-flexible-robot-small-spaces.html?fbclid=IwAR0jjNUJKk1TCk38ZrkINM0kfWP4_tr1wPjFILLK4D57zhhVDJzi7FSOT7M)

Striking rare gold: Researchers unveil new material infused with gold in an exotic chemical state

<https://phys.org/news/2023-09-rare-gold-unveil-material-infused.html>

## Physics, Earth and Space Sciences

Parker Probe's path through solar blast yields unparalleled space weather insights

[https://phys.org/news/2023-09-parker-probe-path-solar-blast.html?fbclid=IwAR1IIE83w6lq5TswtRNcDILmINxzq1t\\_1TZvitw2vj\\_P39EB7fqPDzseL\\_k](https://phys.org/news/2023-09-parker-probe-path-solar-blast.html?fbclid=IwAR1IIE83w6lq5TswtRNcDILmINxzq1t_1TZvitw2vj_P39EB7fqPDzseL_k)

NASA says there is an asteroid it's monitoring that could potentially impact Earth

[https://www.hawaiinewsnow.com/2023/09/21/nasa-says-there-is-an-asteroid-its-monitoring-that-could-potentially-impact-earth/?fbclid=IwAR0-z8kGkfj2tfxtTUZ8KToday044YH\\_w\\_OW43nMq6KuxMPYBCQN9Ai0Dc0](https://www.hawaiinewsnow.com/2023/09/21/nasa-says-there-is-an-asteroid-its-monitoring-that-could-potentially-impact-earth/?fbclid=IwAR0-z8kGkfj2tfxtTUZ8KToday044YH_w_OW43nMq6KuxMPYBCQN9Ai0Dc0)

Will Mining the Moon and Asteroids Be Worth the Trouble?

[https://gizmodo.com/will-mining-the-moon-and-asteroids-be-worth-the-trouble-1850756029?fbclid=IwAR3z6msZjIXc1zGJYvl\\_Fbn6bN1sbjYx3i5Zq8dYChwIT1rqUz43UpgOJjk](https://gizmodo.com/will-mining-the-moon-and-asteroids-be-worth-the-trouble-1850756029?fbclid=IwAR3z6msZjIXc1zGJYvl_Fbn6bN1sbjYx3i5Zq8dYChwIT1rqUz43UpgOJjk)

NASA may have unknowingly found and killed alien life on Mars 50 years ago, scientist claims

<https://www.space.com/nasa-may-have-unknowingly-found-and-killed-alien-life-on-mars-50-years-ago-scientist-claims>

Very Large Telescope surprisingly finds exoplanet lurking in 3-body star system

<https://www.space.com/giant-exoplanet-in-multi-star-system-3-body>

Geologists uncover history of lost continent buried beneath Europe

[https://www.science.org/content/article/geologists-uncover-history-lost-continent-buried-beneath-europe?utm\\_medium=ownedSocial&utm\\_campaign=NewsfromScience&utm\\_source=Facebook&fbclid=IwAR1xUWc5TtI0azf13Di-t9wijuEsVEbTSeA0FnSQbmx9vJ9oOUGOcwOa6ik](https://www.science.org/content/article/geologists-uncover-history-lost-continent-buried-beneath-europe?utm_medium=ownedSocial&utm_campaign=NewsfromScience&utm_source=Facebook&fbclid=IwAR1xUWc5TtI0azf13Di-t9wijuEsVEbTSeA0FnSQbmx9vJ9oOUGOcwOa6ik)

Possible hints of life found on distant planet – how excited should we be?

[https://www.space.com/possible-hints-of-life-exoplanet-expert-voices-conversation?utm\\_medium=social&utm\\_campaign=socialflow&utm\\_source=facebook.com&utm\\_content=space.com&fbclid=IwAR06LEIFMleCBzuKZSBQvOK7Kt0TbWk\\_j00Nr\\_-2ZXcBnGCz7SawEZfXtWw](https://www.space.com/possible-hints-of-life-exoplanet-expert-voices-conversation?utm_medium=social&utm_campaign=socialflow&utm_source=facebook.com&utm_content=space.com&fbclid=IwAR06LEIFMleCBzuKZSBQvOK7Kt0TbWk_j00Nr_-2ZXcBnGCz7SawEZfXtWw)

The Quest For Arecibo 2.0

[https://www.discovermagazine.com/the-sciences/the-quest-for-arecibo-2-0?utm\\_campaign=organicsocial&utm\\_content=%F0%9F%92%AB%F0%9F%94%AD\\_despite\\_funding\\_obstac&utm\\_medium=social&utm\\_source=facebook&fbclid=IwAR2t2qx1MaORHcN9nt9Ep\\_gMqW6YXCyha6Eo11RT8O\\_nFLcXCunFjGkPhSg](https://www.discovermagazine.com/the-sciences/the-quest-for-arecibo-2-0?utm_campaign=organicsocial&utm_content=%F0%9F%92%AB%F0%9F%94%AD_despite_funding_obstac&utm_medium=social&utm_source=facebook&fbclid=IwAR2t2qx1MaORHcN9nt9Ep_gMqW6YXCyha6Eo11RT8O_nFLcXCunFjGkPhSg)

Scientists observe the influence of gravity on antimatter for the first time

<https://www.eurekalert.org/news-releases/1003130>

NASA's Perseverance captures dust-filled Martian whirlwind

<https://phys.org/news/2023-09-nasa-perseverance-captures-dust-filled-martian.html>

India space chief unfazed by Moon mission's apparent end

<https://phys.org/news/2023-09-india-space-chief-unfazed-moon.html>

NASA Delays Launch of Psyche Asteroid Mission Due to Thruster Issue

<https://gizmodo.com/nasa-delays-launch-psyche-mission-thruster-issue-1850887968>

NASA's next stop: An asteroid named for the Egyptian god of chaos

<https://www.cnn.com/2023/09/30/world/apophis-explorer-science-newsletter-wt-scen/index.html>

## Environment, Climate Change and Alternative Energy Sources

Spider silk is spun by silkworms for the first time, offering a green alternative to synthetic fibers

<https://phys.org/news/2023-09-spider-silk-spun-silkworms-green.html?fbclid=IwAR3adTLwWVvcHBu7hf7GkzR4aTMWpGwIWi2ENVgb1DixKj0fWlrHJChKiRU>

Earth is outside its 'safe operating space for humanity' on most key measurements, study says

<https://apnews.com/article/earth-climate-change-biodiversity-environment-pollution-c8582c3ae0344b5a88cc38cd8e725702>

Desalination system could produce freshwater that is cheaper than tap water

<https://techxplore.com/news/2023-09-desalination-freshwater-cheaper.html?fbclid=IwAR2S-weD4siPTX8ckOvrSxdNgolekqGiAG0wq1jYeU1vBRWc-eTR4Eld2Ok>

Can a roof's material cool the outside air and lower energy demand?

<https://techxplore.com/news/2023-09-roof-material-cool-air-energy.html>

Turn your food scraps into dirt for FREE with new city recycling program starting Friday

<https://www.ky3.com/2023/09/29/turn-your-food-scraps-into-dirt-free-with-new-city-recycling-program-starting-friday/>

## Biological, Genetics and Medical Sciences

Scientists recover RNA from an extinct species for the first time

[https://www.cnn.com/2023/09/19/world/scientists-recover-rna-tasmanian-tiger-thylacine-scn/index.html?utm\\_term=link&utm\\_medium=social&utm\\_content=2023-09-20T08%3A01%3A08&utm\\_source=fbCNNi&fbclid=IwAR1FCriNQ3ho7ISH6GT5VB2\\_fjKg5\\_DDMAvftjQ6qX2sus3-3ZasyvY\\_agY](https://www.cnn.com/2023/09/19/world/scientists-recover-rna-tasmanian-tiger-thylacine-scn/index.html?utm_term=link&utm_medium=social&utm_content=2023-09-20T08%3A01%3A08&utm_source=fbCNNi&fbclid=IwAR1FCriNQ3ho7ISH6GT5VB2_fjKg5_DDMAvftjQ6qX2sus3-3ZasyvY_agY)

NATURAL INSPIRATION: Martha Muñoz has shown that organisms can influence their own evolution—a lesson she's passing on to her students

[https://www.science.org/content/article/biologist-discovered-lizards-and-other-organisms-can-influence-their-own-evolution?utm\\_campaign=SciMag&utm\\_source=Facebook&utm\\_medium=ownedSocial&fbclid=IwAR3VQSocOA-ib6us5wNknYLrKEqG-2KvQAL-j4kkkUER8vqznmXADEnmzd4](https://www.science.org/content/article/biologist-discovered-lizards-and-other-organisms-can-influence-their-own-evolution?utm_campaign=SciMag&utm_source=Facebook&utm_medium=ownedSocial&fbclid=IwAR3VQSocOA-ib6us5wNknYLrKEqG-2KvQAL-j4kkkUER8vqznmXADEnmzd4)

Google DeepMind AI speeds up search for disease genes

<https://www.bbc.com/news/science-environment-66847977>

US surgeons are killing themselves at an alarming rate. One decided to speak out

<https://www.theguardian.com/us-news/2023/sep/26/surgeons-suicide-doctors-physicians-mental-health#:~:text=In%20Medscape's%20Physician%20Suicide%20Report,distress%20because%20of%20privacy%20concerns.>

Can We Talk to Whales?

[https://www.newyorker.com/magazine/2023/09/11/can-we-talk-to-whales?utm\\_social-type=owned&utm\\_source=facebook&utm\\_medium=social&mbid=social\\_facebook&utm\\_brand=tny&source=Paid\\_Soc\\_FB\\_0\\_BoostedPosts\\_0\\_NYR\\_US\\_ProspectingBroad\\_CM\\_PAC\\_Facebook\\_Mobile\\_Feed\\_&utm\\_campaign=Paid\\_Boosted\\_Traffic\\_&utm\\_boosted-type=Soc\\_FBIG\\_DR\\_BAUCM\\_Traffic&fbclid=IwAR2URE07nplBW76304YLeg53vPK5CATaWsXq2y2SsgObEiqZqpUbm5YsrlQ\\_aem\\_ASAOouQphSv0UgtiycNqdODyWJAsUMbCcaTJNPdRD8uPIzjQA0BWGx9hWGtf97nee0T7-nO9l6WAYakkDZNDLvh&utm\\_source=facebook&utm\\_medium=paid&campaign\\_id=23857695231180548&ad\\_id=23858835996070548](https://www.newyorker.com/magazine/2023/09/11/can-we-talk-to-whales?utm_social-type=owned&utm_source=facebook&utm_medium=social&mbid=social_facebook&utm_brand=tny&source=Paid_Soc_FB_0_BoostedPosts_0_NYR_US_ProspectingBroad_CM_PAC_Facebook_Mobile_Feed_&utm_campaign=Paid_Boosted_Traffic_&utm_boosted-type=Soc_FBIG_DR_BAUCM_Traffic&fbclid=IwAR2URE07nplBW76304YLeg53vPK5CATaWsXq2y2SsgObEiqZqpUbm5YsrlQ_aem_ASAOouQphSv0UgtiycNqdODyWJAsUMbCcaTJNPdRD8uPIzjQA0BWGx9hWGtf97nee0T7-nO9l6WAYakkDZNDLvh&utm_source=facebook&utm_medium=paid&campaign_id=23857695231180548&ad_id=23858835996070548)

Sighted: Rare creature along the Northwestern Hawaiian Islands

[https://www.khon2.com/local-news/sighted-rare-creature-along-the-northwestern-hawaiian-islands/?fbclid=IwAR3YfCTu6ol\\_HbGTnpNgXIRdin-LUaP6632f0eMGNDDMYEF1vCZOjSOEZEo](https://www.khon2.com/local-news/sighted-rare-creature-along-the-northwestern-hawaiian-islands/?fbclid=IwAR3YfCTu6ol_HbGTnpNgXIRdin-LUaP6632f0eMGNDDMYEF1vCZOjSOEZEo)

AI, implants form 'digital bridge' to help paralyzed man move arms, hands

[https://www.cnn.com/2023/09/27/health/digital-bridge-implants-paralysis/index.html?utm\\_content=2023-09-28T04%3A01%3A05&utm\\_medium=social&utm\\_source=twCNNi&utm\\_term=link&s=09](https://www.cnn.com/2023/09/27/health/digital-bridge-implants-paralysis/index.html?utm_content=2023-09-28T04%3A01%3A05&utm_medium=social&utm_source=twCNNi&utm_term=link&s=09)

New wearable sensor makes continuous analysis of sweat possible, researchers say

<https://www.eurekalert.org/news-releases/1003168>

Why are killer whales harassing and killing porpoises without eating them?

<https://www.eurekalert.org/news-releases/1003145>

Researchers find a cancer enhancer in the genome that drives tumor cell growth

<https://www.eurekalert.org/news-releases/1003190>

Reducing fishing gear could save whales with low impacts to California's crab fishermen

<https://phys.org/news/2023-09-fishing-gear-whales-impacts-california.html>

Newly engineered CRISPR enzyme for editing DNA could improve patient treatment  
<https://phys.org/news/2023-09-newly-crispr-enzyme-dna-patient.html>

Genome study reveals 30 years of Darwin's finch evolution  
<https://phys.org/news/2023-09-genome-reveals-years-darwin-finch.html>

Mass death of Amazonian dolphins prompts fears for vulnerable species  
<https://www.theguardian.com/environment/2023/sep/29/mass-death-of-amazonian-dolphins-prompts-fears-for-vulnerable-species>

Other

Nothing to report

## Additional Informational

President's Investing in America Agenda Provides Resources for Tribal Nations to Address Legacy Pollution

<https://doi.gov/pressreleases/presidents-investing-america-agenda-provides-resources-tribal-nations-address-legacy>

Biden-Harris Administration Releases Roadmap to Accelerate Offshore Wind Transmission and Improve Grid Resilience and Reliability

<https://doi.gov/pressreleases/biden-harris-administration-releases-roadmap-accelerate-offshore-wind-transmission-and>

Webb finds carbon source on surface of Jupiter's moon Europa

[https://www.esa.int/Science\\_Exploration/Space\\_Science/Webb/Webb\\_finds\\_carbon\\_source\\_on\\_surface\\_of\\_Jupiter\\_s\\_moon\\_Europa?fbclid=IwAR3FgF1fFya3nZuObGET3F3N2E9GnwNqn0yN3NTilcHF0gdXm4x-2o4L4JU](https://www.esa.int/Science_Exploration/Space_Science/Webb/Webb_finds_carbon_source_on_surface_of_Jupiter_s_moon_Europa?fbclid=IwAR3FgF1fFya3nZuObGET3F3N2E9GnwNqn0yN3NTilcHF0gdXm4x-2o4L4JU)

As Earth heats up, rain pours down

[https://www.preventionweb.net/news/earth-heats-rain-pours-down?utm\\_source=PreventionWeb&utm\\_campaign=079aedd8b8-PreventionWeb+Newsletter%3A+Highlights+of+the+week&utm\\_medium=email&utm\\_term=0\\_b73053c1c6-079aedd8b8-363599758](https://www.preventionweb.net/news/earth-heats-rain-pours-down?utm_source=PreventionWeb&utm_campaign=079aedd8b8-PreventionWeb+Newsletter%3A+Highlights+of+the+week&utm_medium=email&utm_term=0_b73053c1c6-079aedd8b8-363599758)

Secretary Haaland Applauds Designation of Ancient Earthworks in Ohio as the Nation's 25th World Heritage Site

<https://doi.gov/pressreleases/secretary-haaland-applauds-designation-ancient-earthworks-ohio-nations-25th-world>

BLM issues leases for Amargosa Valley Solar Energy Zone parcels in Nevada

<https://www.blm.gov/press-release/blm-issues-leases-amargosa-valley-solar-energy-zone-parcels-nevada>

Ordinary Men: Reserve Police Battalion 101 and the Final Solution in Poland

[https://www.amazon.com/Ordinary-Men-Reserve-Battalion-Solution/dp/0062303023/ref=sr\\_1\\_1?crid=EXBFVXW1RTR1&keywords=ordinary+men&qid=1695395068&sprefix=ordinary+men%2Caps%2C69&sr=8-1](https://www.amazon.com/Ordinary-Men-Reserve-Battalion-Solution/dp/0062303023/ref=sr_1_1?crid=EXBFVXW1RTR1&keywords=ordinary+men&qid=1695395068&sprefix=ordinary+men%2Caps%2C69&sr=8-1)

Interior Department Launches Effort to Preserve Federal Indian Boarding School Oral History

<https://doi.gov/pressreleases/interior-department-launches-effort-preserve-federal-indian-boarding-school-oral>