



Sharing Knowledge to create a Better World!



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# Weekly Science Report

## September 8, 2023

**“The true meaning of Islam will not only focus on how Muslims worship but also on who we are: mothers, fathers, spouses, students, neighbors, friends. People who smile with pride at their child’s first step; laugh with friends over the old times; worry about exam results; cry at the sight of our children in pain. People just like you!”**

Her Majesty Queen Rania Al Abdullah of the Kingdom of Jordan on being Muslim

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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/weeklysciencrpt/>
- Twitter: <https://twitter.com/wklysciencrpt>

## News Articles

### Paleontology, Evolution and Prehistoric Studies

How Neanderthal genetic material could influence nose shapes to this day

[https://www.popsci.com/science/modern-facial-features-nose-neanderthal-genetics/?fbclid=IwAR10uXzQ\\_WITWqdywllgmXCbxhFUV3DFVp1AdEwsYzH0OIWKG5GQZTPascg](https://www.popsci.com/science/modern-facial-features-nose-neanderthal-genetics/?fbclid=IwAR10uXzQ_WITWqdywllgmXCbxhFUV3DFVp1AdEwsYzH0OIWKG5GQZTPascg)

Is it time to change the way we talk about human evolution?

<https://www.popsci.com/science/new-human-species-homo-bodoensis/?fbclid=IwAR39KQuDaG9qcbWF20NZKHO8azmcvXpzEwEAUPmYCVX2lk1Z5pbQyJcLFM>

Neandertals were the first hominids to turn forest into grassland 125,000 years ago

[https://www.sciencenews.org/article/neandertals-first-hominid-modify-environment-forest-grassland?fbclid=IwAR15L-XYEMS0OfSmfVhsp4sVfPA6\\_Yjw8NIBQFYaC5N6pEGG-OZjtV6BW8](https://www.sciencenews.org/article/neandertals-first-hominid-modify-environment-forest-grassland?fbclid=IwAR15L-XYEMS0OfSmfVhsp4sVfPA6_Yjw8NIBQFYaC5N6pEGG-OZjtV6BW8)

An 'ancestral bottleneck' took out nearly 99 percent of the human population 800,000 years ago

<https://www.popsci.com/science/human-population-pleistocene/?fbclid=IwAR2ZtdRV5zTXre-0gpA4YyXdw9qUO0ByMhMKs9jWDzFdWOJpnDGi4AHbCk>

Oregon may be oldest site of human occupation in North America, archaeologists say

<https://www.kcbd.com/2023/08/28/oregon-may-be-oldest-site-human-occupation-north-america-archaeologists-say/?outputType=amp>

Human and ape ancestors arose in Europe, not in Africa, controversial study claims

<https://www.livescience.com/archaeology/human-and-ape-ancestors-arose-in-europe-not-in-africa-controversial-study-claims>

How ancient bee burrows led to a better understanding of Neanderthals

<https://phys.org/news/2023-08-ancient-bee-burrows-neanderthals.html>

Centuries-old technique reveals hidden '3D' animals in Paleolithic cave art

<https://www.livescience.com/archaeology/centuries-old-technique-reveals-hidden-3d-animals-in-paleolithic-cave-art>

Ancient humans in Israel once ate elephants. When tusks went bust, weapons improved

<https://www.timesofisrael.com/ancient-humans-in-israel-once-ate-elephants-when-they-disappeared-weapons-improved/>

Paleolithic hunter-gatherer hearths reveal changing vegetation in response to climate

<https://phys.org/news/2023-09-paleolithic-hunter-gatherer-hearth-reveal-vegetation.html>

## History

A muddy reveal for mysterious West Point time capsule from 1820s

<https://www.bbc.com/news/world-us-canada-66641401>

Ancient Yazidi heritage still under threat after Isis genocide

<https://www.theartnewspaper.com/2023/09/05/ancient-yazidi-heritage-still-under-threat-after-isis-genocide>

German Nazi-looted art panel calls for more powers and a new law

<https://www.theartnewspaper.com/2023/09/05/german-nazi-looted-art-panel-calls-for-more-powers-and-a-new-law>

Pope says 'backward' U.S. conservatives have replaced faith with ideology

<https://apnews.com/article/pope-francis-vatican-conservatives-abortion-us-bbfc346c117bd9ae68a1963478bea6b3>

Who Was the Real Pope's Exorcist?

[https://www.smithsonianmag.com/smart-news/the-real-popes-exorcist-father-gabriel-amorth-180981993/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=8182023&utm\\_content=recent&fbclid=IwAR2EzdaZqXC-ulwaGzmyyybMh\\_DWfACvksS6DTrgIPP\\_aDQROUd9q3e7YRM](https://www.smithsonianmag.com/smart-news/the-real-popes-exorcist-father-gabriel-amorth-180981993/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=8182023&utm_content=recent&fbclid=IwAR2EzdaZqXC-ulwaGzmyyybMh_DWfACvksS6DTrgIPP_aDQROUd9q3e7YRM)

Loss of cultural landmarks in Lāhainā deeply affects community, Hawai'i historians

<https://www.hawaiipublicradio.org/local-news/2023-08-10/loss-of-cultural-landmarks-in-lahaina-deeply-affects-community-hawaiian-historians>

Evidence found of German mass execution by French Resistance after D-Day

<https://www.bbc.com/news/world-europe-66608891>

'Stolen' totem pole prepared for return to Canada

[https://www.bbc.com/news/uk-scotland-66615589?at\\_medium=social&at\\_bbc\\_team=editorial&at\\_ptr\\_name=facebook\\_page&at\\_link\\_origin=BBC\\_News&at\\_link\\_id=28284D0C-45BC-11EE-B493-E9233AE5AB7B&at\\_format=link&at\\_link\\_type=web\\_link&at\\_campaign\\_type=owned&at\\_campaign=Social\\_Flow&fbclid=IwAR3\\_ty79Vei90qk9Q0bBRpoBaCm85B\\_2XOFVv3rqb0UkjObdJzHLY0sm5Oo](https://www.bbc.com/news/uk-scotland-66615589?at_medium=social&at_bbc_team=editorial&at_ptr_name=facebook_page&at_link_origin=BBC_News&at_link_id=28284D0C-45BC-11EE-B493-E9233AE5AB7B&at_format=link&at_link_type=web_link&at_campaign_type=owned&at_campaign=Social_Flow&fbclid=IwAR3_ty79Vei90qk9Q0bBRpoBaCm85B_2XOFVv3rqb0UkjObdJzHLY0sm5Oo)

New book looks into the life of Ira Hayes

<https://ictnews.org/news/new-book-looks-into-the-life-of-ira-hayes?fbclid=IwAR1vw7uZ7YC1fFsGdF7OFXEOXVJA9VVhv2JqgxMRGu3txwFndH80K4DsZY4>

Minnesota to make amends, return state land to Dakota people

<https://kstp.com/kstp-news/top-news/minnesota-to-make-amends-return-state-land-to-dakota-people/>

Chile will search for 1,000+ victims of forced disappearance by Pinochet dictatorship

<https://www.npr.org/2023/08/31/1197019905/chile-search-disappeared-victims-pinochet-dictatorship?sc=18&f=1001>

98-year-old German charged in thousands of Holocaust deaths at Nazi camp

<https://www.nbcnews.com/news/world/98-year-old-german-charged-thousands-holocaust-deaths-nazi-camp-rcna103082>

Nazi camp guard Josef Schütz dies at 102

<https://www.bbc.com/news/world-europe-65402024>

Artefacts stolen from British Museum 'may be untraceable' due to poor records

<https://www.theguardian.com/culture/2023/aug/25/artefacts-stolen-from-british-museum-may-be-untraceable-due-to-poor-records>

Jimmy Buffett, who sang of wastin' away in 'Margaritaville', dies at 76

<https://www.npr.org/2023/09/02/1197419502/jimmy-buffett-margaritaville-dies?sc=18&f=1001>

Roman emperor statue seized from Cleveland Museum of Art in smuggling investigation

<https://www.npr.org/2023/09/01/1197229128/roman-emperor-statue-seized-cleveland-museum-marcus-aurelius?sc=18&f=1001>

German tourist accused of damaging 16th-century statue in Florence

<https://www.cnn.com/travel/article/german-tourist-florence-statue-intl-scli/index.html>

A Vietnam veteran helicopter pilot receives the Medal of Honor for a daring rescue

<https://www.npr.org/2023/09/06/1197819795/a-vietnam-veteran-helicopter-pilot-receives-the-medal-of-honor-for-a-daring-resc?sc=18&f=1001>

Rare archaeological finds show monastery was a social and religious hub

<https://phys.org/news/2023-09-rare-archaeological-monastery-social-religious.html>

DNA analyses show St Helena's 'liberated' Africans came from West Central Africa between northern Angola and Gabon

<https://phys.org/news/2023-09-dna-analyses-st-helena-liberated.html>

The Baseball Player-Turned-Spy Who Went Undercover to Assassinate the Nazis' Top Nuclear Scientist

<https://www.smithsonianmag.com/history/the-baseball-player-turned-spy-who-went-undercover-to-assassinate-the-nazis-top-nuclear-scientist-180982813/>

Why Historical Markers Matter

<https://www.smithsonianmag.com/history/why-historical-markers-matter-180982833/>

The Remarkable Story of WWII's 6888th Battalion, as Told by the Women Who Were There

<https://www.smithsonianmag.com/history/the-remarkable-story-of-wwiis-6888-as-told-by-the-women-who-were-there-180982854/>

The Unlikely, Enduring Friendship Between Ireland and the Choctaw Nation

<https://www.smithsonianmag.com/history/unlikely-enduring-friendship-between-ireland-choctaw-nation-180982700/>

Amid the Horrors of the Holocaust, Jewish Musicians Composed Songs of Survival

<https://www.smithsonianmag.com/arts-culture/horrors-holocaust-jewish-musicians-composed-songs-survival-terezin-180982704/>

## Archaeology

Archaeologists Find Perplexing 4,000-year-old Canaanite Arch in Northern Israel

[https://www.haaretz.com/archaeology/2023-08-17/ty-article/archaeologists-find-perplexing-4-000-year-old-canaanite-arch-in-northern-israel/00000189-fcfa-d9d1-a79b-ffffbab460000?fbclid=IwAR3\\_frJUmZAwXViBqeCIUCyOWssuBE7ID0LjhAhGasQAKfkfBEkO3VNjFnA](https://www.haaretz.com/archaeology/2023-08-17/ty-article/archaeologists-find-perplexing-4-000-year-old-canaanite-arch-in-northern-israel/00000189-fcfa-d9d1-a79b-ffffbab460000?fbclid=IwAR3_frJUmZAwXViBqeCIUCyOWssuBE7ID0LjhAhGasQAKfkfBEkO3VNjFnA)

Great Wall of China severely damaged by workers looking for a shortcut

<https://www.nbcnews.com/news/world/great-wall-china-damaged-workers-looking-shortcut-excavator-rcna103331>

Remains of Tuskegee pilot who went missing during World War II identified after 79 years

<https://abcnews.go.com/US/missing-tuskegee-pilot-identified/story?id=102911761>

Sacred Burial Site Discovered in Peru Predates The Inca Empire

<https://www.sciencealert.com/sacred-burial-site-discovered-in-peru-predates-the-inca-empire>

Archaeologists in Turkey have identified massive structures below a Roman-era castle

<https://www.npr.org/2023/09/01/1191263572/turkey-archaeology-zerzevan-castle-discoveries?sc=18&f=1001>

Stone human 'effigies' unearthed at Aztec temple in Mexico City were likely looted in battle and offered to the gods

[https://www.livescience.com/archaeology/stone-human-effigies-unearthed-at-aztec-temple-in-mexico-city-were-likely-looted-in-battle-and-offered-to-the-gods?utm\\_campaign=socialflow&utm\\_content=livescience&utm\\_source=facebook.com&utm\\_medium=social&fbclid=IwAR1\\_gwURlupCiYJeJ1d7GaDhYLksU0QJHxbDPUQOTPg0uOPxjyUpL0sBRdY](https://www.livescience.com/archaeology/stone-human-effigies-unearthed-at-aztec-temple-in-mexico-city-were-likely-looted-in-battle-and-offered-to-the-gods?utm_campaign=socialflow&utm_content=livescience&utm_source=facebook.com&utm_medium=social&fbclid=IwAR1_gwURlupCiYJeJ1d7GaDhYLksU0QJHxbDPUQOTPg0uOPxjyUpL0sBRdY)

Archaeologists in Norway found an arrow that was likely trapped in ice for 4,000 years

<https://www.npr.org/2023/09/06/1198032134/archeologists-norway-arrow-stoneage-4000-years-old?sc=18&f=1001>

Archaeologists find 'mystery' ducts near biblical Jerusalem relics

[https://www.reuters.com/world/middle-east/archaeologists-find-mystery-ducts-near-biblical-jerusalem-relics-2023-08-30/#:~:text=JERUSALEM%2C%20Aug%2030%20\(Reuters\),palace%20that%20once%20stood%20nearby.](https://www.reuters.com/world/middle-east/archaeologists-find-mystery-ducts-near-biblical-jerusalem-relics-2023-08-30/#:~:text=JERUSALEM%2C%20Aug%2030%20(Reuters),palace%20that%20once%20stood%20nearby.)

Archaeologists find 3,000-year-old priest's tomb in Peru

<https://www.cnn.com/travel/article/priest-tomb-peru-intl-scli-scn/index.html>

Roman swords discovered in Dead Sea cave 1,900 years after Jewish rebellion

<https://www.nbcnews.com/news/world/roman-swords-discovered-dead-sea-cave-1900-years-jewish-rebellion-rcna103580>

Archaeologists uncover parts of long-lost temple of a cult of Poseidon

<https://www.jpost.com/archaeology/article-756915>

Salmon bones confirm sustainable chum fishery for 2,500 years under Tsleil-Waututh Nation

<https://phys.org/news/2023-08-salmon-bones-sustainable-chum-fishery.html>

Multiple types of testing reveal details of Bronze Age cremation remains

<https://phys.org/news/2023-08-multiple-reveal-bronze-age-cremation.html>

Archaeologists uncover complete Neolithic cursus on the Isle of Arran

<https://www.theguardian.com/science/2023/sep/04/archaeologists-uncover-complete-neolithic-cursus-on-the-isle-of-arran>

Bronze Age girl buried with more than 150 animal ankle bones, potentially to help her to the next world

<https://www.livescience.com/archaeology/bronze-age-girl-buried-with-more-than-150-animal-ankle-bones-potentially-to-help-her-to-the-next-world>

Mysterious 17th-century 'cauldron' may be primitive submarine used to salvage treasure from a sunken galleon

<https://www.livescience.com/archaeology/mysterious-17th-century-cauldron-may-be-primitive-submarine-used-to-salvage-treasure-from-a-sunken-galleon>

Israeli teen finds 1,700-year-old bronze ring in ruins of Greek city

<https://www.jpost.com/archaeology/article-757958>

## Egyptology

Unbottling the scent of the afterlife: New study of ancient Egyptian mummification balms  
<https://phys.org/news/2023-08-unbottling-scent-afterlife-ancient-egyptian.html>

Archaeologists Are Using Modern Tools to Learn About Visitors to an Ancient Egyptian Temple  
<https://www.smithsonianmag.com/history/archaeologists-using-21st-century-tools-learn-about-visitors-ancient-egyptian-temple-graffiti-180982725/>



## General Science

First revamped science policy falls short of fulfilling Biden's promise to protect scientists, watchdogs say

<https://www.govexec.com/management/2023/09/first-revamped-science-policy-falls-short-fulfilling-bidens-promise-protect-scientists-watchdogs-say/389993/>

New physics-based self-learning machines could replace current artificial neural networks and save energy

<https://techxplore.com/news/2023-09-physics-based-self-learning-machines-current-artificial.html>

## Physics, Earth and Space Sciences

A new international space race is on — and it could junk up our pristine moon

<https://www.vox.com/science/2023/8/24/23844280/india-moon-landing-russia-crash-lunar-south-pole-science-consequences-junk>

Scientists map 1,000 feet of hidden 'structures' deep below the dark side of the moon

[https://www.livescience.com/space/the-moon/chinas-rover-maps-1000-feet-of-hidden-structures-deep-below-the-dark-side-of-the-moon?utm\\_campaign=socialflow&utm\\_content=livescience&utm\\_source=facebook.com&utm\\_medium=social&fbclid=IwAR3Q1P5-9Tk2OPAbjyQc77NqCQN2Hr4dAP2DkZEMFPixQaG8BRE0Kh3cdIM](https://www.livescience.com/space/the-moon/chinas-rover-maps-1000-feet-of-hidden-structures-deep-below-the-dark-side-of-the-moon?utm_campaign=socialflow&utm_content=livescience&utm_source=facebook.com&utm_medium=social&fbclid=IwAR3Q1P5-9Tk2OPAbjyQc77NqCQN2Hr4dAP2DkZEMFPixQaG8BRE0Kh3cdIM)

Russia reports 'abnormal situation' as Luna-25 tries to begin moon landing

<https://www.theguardian.com/world/2023/aug/19/russia-reports-abnormal-situation-as-luna-25-tries-to-begin-moon-landing>

Physicists use a 350-year-old theorem to reveal new properties of light waves

<https://phys.org/news/2023-08-physicists-year-old-theorem-reveal-properties.html?fbclid=IwAR1RjIn-3NV-3yX2VSJzWlb5-XPpQYuufIBm-uUGfLqvoSQKnI4Wby2dAD4>

Predictions for the next 50 years of astronomy

[https://www.astronomy.com/science/the-next-50-years-of-astronomy/?utm\\_campaign=organicsocial&utm\\_content=what\\_will\\_astronomy\\_look\\_&utm\\_medium=social&utm\\_source=facebook&fbclid=IwAR0NVeF68TYqZllmxIF2SbRQXaIAX0tDBRFfxdHXeXtwQVwESop-zCbKijg](https://www.astronomy.com/science/the-next-50-years-of-astronomy/?utm_campaign=organicsocial&utm_content=what_will_astronomy_look_&utm_medium=social&utm_source=facebook&fbclid=IwAR0NVeF68TYqZllmxIF2SbRQXaIAX0tDBRFfxdHXeXtwQVwESop-zCbKijg)

What is OSIRIS-REx? Everything you need to know about the 1st NASA spacecraft to land on an asteroid

[https://www.livescience.com/space/asteroids/what-is-osiris-rex-everything-you-need-to-know-about-the-1st-nasa-spacecraft-to-land-on-an-asteroid?utm\\_source=facebook.com&utm\\_campaign=socialflow&utm\\_medium=social&utm\\_content=livescience&fbclid=IwAR0vVbyROLieUyc-56j8fOjg5hPcoZEDzXR7BwpFsAvfdJDtRp6DR4QWbrE](https://www.livescience.com/space/asteroids/what-is-osiris-rex-everything-you-need-to-know-about-the-1st-nasa-spacecraft-to-land-on-an-asteroid?utm_source=facebook.com&utm_campaign=socialflow&utm_medium=social&utm_content=livescience&fbclid=IwAR0vVbyROLieUyc-56j8fOjg5hPcoZEDzXR7BwpFsAvfdJDtRp6DR4QWbrE)

Japanese astrophysicists suggest possibility of hidden planet in the Kuiper Belt

[https://phys.org/news/2023-09-japanese-astrophysicists-possibility-hidden-planet.html?fbclid=IwAR2U1R\\_11w-dmp73qNxxkPSL2bPswwgqZYHzEx1JZiWD3O8wX59as5bUspGI](https://phys.org/news/2023-09-japanese-astrophysicists-possibility-hidden-planet.html?fbclid=IwAR2U1R_11w-dmp73qNxxkPSL2bPswwgqZYHzEx1JZiWD3O8wX59as5bUspGI)

Study hints at the existence of the closest black holes to Earth in the Hyades star cluster

<https://www.eurekalert.org/news-releases/1000958>

## Environment, Climate Change and Alternative Energy Sources

What's the most sustainable way to mine the largest known lithium deposit in the world?

<https://www.popsci.com/environment/lithium-mining-mcdermitt-caldera/?fbclid=IwAR2wmmv3XXACbubXDbgUvgGA6HcPB5ob6vcyanv0uYNAysGaEy5j2nEuGzk>

Judge: Trump-era rule change allowing the logging of old-growth forests violates laws

<https://www.npr.org/2023/08/31/1197160846/judge-trump-era-rule-change-allowing-the-logging-of-old-growth-forests-violates-?sc=18&f=1001>

Former SpaceX Engineers Tout New Microreactor

<https://www.powermag.com/former-spacex-engineers-tout-new-microreactor/>

This summer was the hottest on record across the Northern Hemisphere, the U.N. says

<https://www.npr.org/2023/09/06/1197825362/this-summer-was-the-hottest-on-record-across-the-northern-hemisphere-the-u-n-say?sc=18&f=1001>

We studied more than 1,500 coastal ecosystems - they will drown if we let the world warm above 2°C

<https://theconversation.com/we-studied-more-than-1-500-coastal-ecosystems-they-will-drown-if-we-let-the-world-warm-above-2-211431>

Lack of evidence hampers progress on corporate-led ecosystem restoration

<https://www.eurekalert.org/news-releases/1000355>

Nudging food delivery customers to skip the fork drastically cuts plastic waste, study shows

<https://www.eurekalert.org/news-releases/1000423>

Where's the trust? US climate deniers have no faith in university researchers

<https://phys.org/news/2023-09-climate-deniers-faith-university.html>

Heat waves are hitting Antarctica too now

<https://phys.org/news/2023-09-antarctica.html>

Bioengineered E. coli generates electricity from wastewater

<https://techxplora.com/news/2023-09-bioengineered-coli-generates-electricity-wastewater.html>

Artificial Intelligence: A step change in climate modeling predictions for climate adaptation

<https://phys.org/news/2023-09-artificial-intelligence-climate.html>

## Biological, Genetics and Medical Sciences

Scientists Tried to Re-create an Entire Human Brain in a Computer. What Happened?

[https://www.scientificamerican.com/article/scientists-tried-to-re-create-an-entire-human-brain-in-a-computer-what-happened/?utm\\_source=facebook&utm\\_medium=social&utm\\_campaign=socialflow&fbclid=IwAR1ER8ZUrTvKRSEawn7c8SaWjpc4ZQZ\\_4BBZ4WwblhnbFH3jSrYqPafpAY](https://www.scientificamerican.com/article/scientists-tried-to-re-create-an-entire-human-brain-in-a-computer-what-happened/?utm_source=facebook&utm_medium=social&utm_campaign=socialflow&fbclid=IwAR1ER8ZUrTvKRSEawn7c8SaWjpc4ZQZ_4BBZ4WwblhnbFH3jSrYqPafpAY)

From fatal allergies to heart attacks and cholera – the devastating health effects of global warming in Africa

<https://theconversation.com/from-fatal-allergies-to-heart-attacks-and-cholera-the-devastating-health-effects-of-global-warming-in-africa-212564>

Artificial intelligence could help build pollen jigsaw of present and ancient flora

<https://www.eurekalert.org/news-releases/1000516>

First device to monitor transplanted organs detects early signs of rejection

<https://www.eurekalert.org/news-releases/1000528>

Study reveals proton beam therapy may shorten breast cancer treatment

<https://medicalxpress.com/news/2023-09-reveals-proton-therapy-shorten-breast.html>

Study finds vaping renders frontline immune cells unable to move to meet threats

<https://medicalxpress.com/news/2023-09-vaping-frontline-immune-cells-unable.html>

Exercise-induced hormone irisin may reduce Alzheimer's disease plaque and tangle pathology in the brain

<https://medicalxpress.com/news/2023-09-exercise-induced-hormone-irisin-alzheimer-disease.html>

Fifth of known species on Earth found in Unesco world heritage sites – survey

<https://www.theguardian.com/environment/2023/aug/31/fifth-of-known-life-on-earth-found-in-unesco-world-heritage-sites-survey-finds-aoe>

## Other

Women working in Antarctica say they were left to fend for themselves against sexual harassers  
<https://apnews.com/article/women-working-antarctica-sexual-harassment-assault-mcmurdo-ba0e550fddf1ab0afd031ff4d25143cb>

The Australian town where people live underground  
<https://www.bbc.com/future/article/20230803-the-town-where-people-live-underground>

## Additional Informational

New Standards for Museums with Native American Collections

<https://www.aam-us.org/2023/07/25/new-standards-for-museums-with-native-american-collections-smnac-now-available/>

Interior Department, Hualapai Tribal Leaders Celebrate Historic Indian Water Rights Settlement

<https://www.doi.gov/pressreleases/interior-department-hualapai-tribal-leaders-celebrate-historic-indian-water-rights>

MIT expert explains how concrete can serve as a natural 'carbon sink'

[https://www.weforum.org/agenda/2023/08/concrete-natural-carbon-sink-mit-expert-explains?utm\\_source=twitter&utm\\_medium=social\\_scheduler&utm\\_term=Engineering+and+Construction&utm\\_content=22%2F08%2F2023+09%3A00](https://www.weforum.org/agenda/2023/08/concrete-natural-carbon-sink-mit-expert-explains?utm_source=twitter&utm_medium=social_scheduler&utm_term=Engineering+and+Construction&utm_content=22%2F08%2F2023+09%3A00)

World Monuments Fund, Easter Island (Rapa Nui)—Orongo

<https://www.wmf.org/project/easter-island-rapa-nui%E2%80%94orongo>

World Monuments Fund, La Jalca Grande Project

<https://www.wmf.org/project/la-jalca-grande>

Water Heritage and the Importance of Local Knowledge in Climate Action

<https://link.springer.com/article/10.1007/s41636-023-00415-1>

Earth as a Transiting Exoplanet: A Validation of Transmission Spectroscopy and Atmospheric Retrieval Methodologies for Terrestrial Exoplanets

<https://arxiv.org/abs/2308.14804?fbclid=IwAR1PEXvd7kCTGHD9QnVGp3MUI4-e5gAVFqKKgGLISBXleddZqjXrwYXi3oo>

International Science Council Newsletter

<https://us5.campaign-archive.com/?e=725b365f54&u=2e9b648776114e2888e7ea8c5&id=9770ffb4e6>

Asteroid Day, The Boulders of Dimorphos

<https://asteroidday.org/news-updates/the-boulders-of-dimorphos/>