

Weekly Science Report

September 19, 2025

“To the people of antiquity Egypt appeared as the very mother of magic”.

Lewis Spence, Egypt

Table of Contents

Introduction	2
News Articles.....	3
Paleontology, Evolution and Prehistoric Studies	3
History	5
Archaeology.....	8
Egyptology.....	10
General Science	11
Physics, Earth and Space Sciences	12
Environment, Climate Change and Alternative Energy Sources.....	15
Biological, Genetics and Medical Sciences.....	16
Other	17
Additional Informational	18

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

Our Human Ancestors Very Nearly Went Extinct 900,000 Years Ago, Genetics Suggest
https://www.smithsonianmag.com/science-nature/genetics-suggest-our-human-ancestors-very-nearly-went-extinct-900000-years-ago-180982830/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Ancient DNA from Mexico's mammoths reveals unexpected — and unexplained — genetic mysteries
<https://www.livescience.com/animals/extinct-species/ancient-dna-from-mexicos-mammoths-reveals-unexpected-and-unexplained-genetic-mysteries>

Africa's Oldest Mummy Is a Toddler Who Died 5,400 Years Ago, Nearly a Millennium Before the Egyptians Started Mummifying Their Dead
https://www.smithsonianmag.com/history/africas-oldest-mummy-is-a-toddler-who-died-5400-years-ago-nearly-a-millennium-before-the-egyptians-started-mummifying-their-dead-180987227/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

112-Million-Year-Old Amber Samples Preserve a Snapshot of an Ancient Forest
https://www.smithsonianmag.com/smart-news/112-million-year-old-amber-samples-preserve-a-snapshot-of-an-ancient-forest-from-earths-bygone-supercontinent-180987375/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Oldest and most complete fossil of a dome-headed dinosaur is found in Mongolia
<https://www.nbcnews.com/world/asia/oldest-complete-fossil-dome-headed-dinosaur-found-mongolia-rcna232070>

Early humans may have walked from Turkey to mainland Europe, research suggests
<https://phys.org/news/2025-09-early-humans-turkey-mainland-europe.html>

Kenya's Turkana people genetically adapted to live in harsh environment, study suggests
<https://www.theguardian.com/global-development/2025/sep/19/kenya-turkana-people-genetically-adapted-to-live-in-harsh-environment-study-suggests>

Baby Pterosaur Fossils Reveal Mid-Flight Injury and Watery Death, Helping Solve a Paleontological Mystery
https://www.smithsonianmag.com/smart-news/baby-pterosaur-fossils-reveal-mid-flight-injury-and-watery-death-helping-solve-a-paleontological-mystery-180987301/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

45,000-Year-Old Pig Painting in Indonesia May Be Oldest Known Animal Art
https://www.smithsonianmag.com/science-nature/45000-year-old-pig-painting-indonesia-may-be-oldest-known-animal-art-180976748/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Mysterious Craters Discovered on the Bottom of Lake Michigan Could Hold Lessons About Early Life on Earth

https://www.smithsonianmag.com/smart-news/mysterious-craters-discovered-on-the-bottom-of-lake-michigan-could-hold-lessons-about-early-life-on-earth-180985258/?utm_source=smithsonianmag&utm_medium=email&utm_campaign=editorial&utm_content=98054053

Evidence of cosmic impact discovered at classic Clovis archaeological sites

https://phys.org/news/2025-09-evidence-cosmic-impact-classic-clovis.html?fbclid=IwDGRzaAM3hSljbGNrAzd_12V4dG4DYWVtAjExAAEeTNO1wqF3-5Q7IQXC-kzUp341FiVPfaWwqpfQp1RYCV4XUVq7z4qPreCHXOU_aem_kNo2jPzU7zC_uXxjhwlyag&sfnsn=mo#google_vignette

Oldest known evidence of human mummification discovered in Asia, scientists say

https://www.cnn.com/2025/09/15/science/oldest-human-mummification-discovery?Date=20250915&Profile=CN, CNN+International&utm_content=1757973656&utm_medium=social&utm_source=facebook&fbclid=IwDGRzaAM2MUFjbGNrAzYxUmV4dG4DYWVtAjExAAEeptPyu2IoEN2pdnPFVvoFBg0hNBR4HfgpN89ZasogOfDRkIDISiN-b-XCGA_aem_d6YHPmZBVDqEj5AZi1u3GQ&sfnsn=mo

Scientists Found 7,000-Year-Old Mummies in the Desert That Don't Share DNA With Modern Humans

<https://www.popularmechanics.com/science/a67986155/saharan-mummies-dna-humans/>

A massive eruption 74,000 years ago affected the whole planet – archaeologists use volcanic glass to figure out how people survived

<https://www.space.com/astronomy/earth/a-massive-eruption-74-000-years-ago-affected-the-whole-planet-archaeologists-use-volcanic-glass-to-figure-out-how-people-survived>

17-million-year-old fossil of large extinct songbird discovered in Australia

<https://phys.org/news/2025-09-million-year-fossil-large-extinct.html>

New Homo naledi evidence supports intentional burial practices

<https://phys.org/news/2025-09-homo-naledi-evidence-intentional-burial.html>

History

Leni Riefenstahl made movies for Hitler. A new documentary digs through her archives

<https://www.npr.org/2025/09/08/nx-s1-5526066/leni-riefenstahl-nazi-filmmaker-new-documentary>

One of the world's most sacred places is being turned into a luxury mega-resort

<https://www.bbc.com/news/articles/c707kx2nk7go>

Over 350 Greenlandic women and girls forcibly given contraception by Danish officials, report says

<https://apnews.com/article/denmark-greenland-forced-contraception-inuit-apology-200e5399dab32b2866dd044de489f20e>

Curator Rediscovered Tenth-Century 'Portrait' of a Viking With an 'Unusual, Ornate Hairstyle'

https://www.smithsonianmag.com/smart-news/curator-rediscovered-tenth-century-portrait-of-a-viking-man-with-an-unusual-ornate-hairstyle-180987283/?utm_source=smithsonianmag&utm_medium=email&utm_campaign=editorial&lctg=98054053

Activist and Writer Mary Church Terrell Led the Charge for Desegregation

https://www.smithsonianmag.com/blogs/smithsonian-american-womens-history-museum/2025/09/11/activist-and-writer-mary-church-terrell-led-the-charge-for-desegregation/?utm_source=smithsonianmag&utm_medium=email&utm_campaign=editorial&lctg=98054053

Was Venice's Iconic Winged Lion of St. Mark's Square Made in Ancient China?

https://www.smithsonianmag.com/smart-news/was-venices-iconic-winged-lion-of-st-marks-square-made-in-ancient-china-180987302/?utm_source=smithsonianmag&utm_medium=email&utm_campaign=editorial&lctg=98054053

The Reinvention of George Washington's Mother, From Paragon of Virtue to Greedy Shrew to Widow Striving for Independence

https://www.smithsonianmag.com/history/the-reinvention-of-george-washingtons-mother-from-paragon-of-virtue-to-greedy-shrew-to-widow-striving-for-independence-180987313/?utm_source=smithsonianmag&utm_medium=email&utm_campaign=editorial&lctg=98054053

Thieves Steal and Destroy Solid Silver Statue of Abraham Lincoln Created by Mount Rushmore Sculptor Gutzon Borglum

https://www.smithsonianmag.com/smart-news/thieves-steal-and-destroy-solid-silver-statue-of-abraham-lincoln-created-by-mount-rushmore-sculptor-gutzon-borglum-180987371/?utm_source=smithsonianmag&utm_medium=email&utm_campaign=editorial&lctg=98054053

'A painful legacy': Native history subject to removal at historic Florida site

https://ictnews.org/news/a-painful-legacy-native-history-subject-to-removal-at-historic-florida-site/?fbclid=IwDGRzaAM6I-tjbGNrAzokH2V4dG4DYWVtAjExAAEe9mEqI6JM63IqcAbXxlyID-rN6EJZbJjh1R3W-XOAn8N1vfmnAiErb2ucwo_aem_2-2osTzpi0ClqQ9a79wB3g&sfnsn=mo

How a Deaf Quarterback Changed Sports Forever By Inventing the Huddle

https://www.smithsonianmag.com/innovation/deaf-quarterback-changed-sports-forever-inventing-huddle-180987178/?utm_source=smithsonianmag&utm_medium=email&utm_campaign=editorial&lctg=98054053

The True Story of the Monuments Men

https://www.smithsonianmag.com/history/true-story-monuments-men-180949569/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=9162025&utm_content=archival-card&fbclid=IwDGRzaAM2rMZjbGNrAzas-mV4dG4DYWVtAjExAAEekRTsqOS6sQcjSWyt6rO7Xkw5bM9ctXy_1wRF9KWhtBmA23L6hEsAE2P_ZY_aem_t7S4r4Fd5h_nSUvfr5kbg&sfnsn=mo

Long-Lost Rubens Painting of Jesus Christ's Crucifixion Discovered in a Paris Mansion

https://www.smithsonianmag.com/smart-news/long-lost-rubens-painting-of-jesus-christs-crucifixion-discovered-in-a-paris-mansion-180987337/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Before Tuskegee, There Was Riverside Airfield

https://www.smithsonianmag.com/blogs/smithsonian-affiliations/2025/09/16/before-tuskegee-there-was-riverside-airfield/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Did an Enslaved Chocolatier Help Hercules Mulligan Foil a Plot to Assassinate George Washington?

https://www.smithsonianmag.com/history/did-an-enslaved-chocolatier-help-hercules-mulligan-foil-a-plot-to-assassinate-george-washington-180987327/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Gold worth \$700,000 stolen from Paris' Natural History Museum amid string of similar heists

https://www.cbsnews.com/news/gold-stolen-from-paris-natural-history-museum/?ftag=CNM-00-10aab6a&linkId=861298817&fbclid=IwDGRzaAM3jZZleHRuA2FlbQlxMQABHnNkoS-F4tFVZjRvhful1JLKiBnvw_0c92dUJkv1u-Tilk2RDYMLoiaWtDn_aem_UNd004e0rp88hfADKBNF0Q&sfnsn=mo

'I can't survive in a house': Petra's Bedouin resist moves to evict them from ancient cave homes

https://www.theguardian.com/world/2025/sep/20/petra-bedouin-evict-ancient-cave-homes?CMP=fb_gu&utm_medium=Social_img&utm_source=Facebook&fbclid=IwDGRzaAM70MFibGNrAzvQ9WV4dG4DYWVtAjExAAEeXzRKS62CJP5m_dM4vlt-rJas2LXYyhPZUfUL_bW2qRHKuJNSjQZZhUmlXRI_aem_CTyHwM4FwQ_Qk7hr5MARw&sfnsn=mo#Echobox=1758356584

During the Great Depression, This Black Educator Looked to Conflicts Abroad for Lessons on Fighting Racism at Home

https://www.smithsonianmag.com/history/during-the-great-depression-this-black-educator-looked-to-conflicts-abroad-for-lessons-on-fighting-racism-at-home-180987321/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

New reconstructions show piercing eyes of men who lived 2,500 years ago in mysterious Indian civilization

<https://www.livescience.com/archaeology/new-reconstructions-show-piercing-eyes-of-men-who-lived-2-500-years-ago-in-mysterious-indian-civilization>

The newly discovered desert city that's rewriting the history of the Americas

<https://www.bbc.com/travel/article/20250910-perus-new-city-unearthed-from-the-desert>

Iraq's Yazidis rediscover lost history through photos found in a museum archive

<https://phys.org/news/2025-09-iraq-yazidis-rediscover-lost-history.html>

Ancient crop discovered in the Canary Islands thanks to archaeological DNA
<https://phys.org/news/2025-09-ancient-crop-canary-islands-archaeological.html>

Bronze Age and Iron Age cultures in the Middle East were really committed to wine production, analysis reveals
<https://phys.org/news/2025-09-bronze-age-iron-cultures-middle.html>

Archaeology

Divers Recover Ancient Shipwreck That Sank 2,600 Years Ago Off the Coast of Spain

https://www.smithsonianmag.com/smart-news/divers-recover-ancient-shipwreck-that-sank-2600-years-ago-off-the-coast-of-spain-180985778/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Bronze Age Britons Threw Massive Ragers With Food and Friends From Far Away

<https://gizmodo.com/bronze-age-britons-threw-massive-ragers-with-food-and-friends-from-far-away-2000657029>

Divers Find a Well-Preserved Roman Helmet From the Naval Battle That Ended a Punic War

https://www.smithsonianmag.com/smart-news/divers-find-a-well-preserved-roman-helmet-from-the-naval-battle-that-ended-a-punic-war-180987318/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Archaeologists Uncover Two Nearly Life-Size Statues Carved Into the Wall of a Tomb in Ancient Pompeii

https://www.smithsonianmag.com/smart-news/archaeologists-uncover-two-nearly-life-size-statues-carved-into-the-wall-of-a-tomb-in-ancient-pompeii-180986353/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Archaeologists in Gaza Rushed to Rescue Thousands of Ancient Artifacts From an Impending Airstrike

https://www.smithsonianmag.com/smart-news/archaeologists-in-gaza-rushed-to-rescue-thousands-of-ancient-artifacts-from-an-impending-airstrike-180987363/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Archaeologists Say They've Pieced Together the Ancient Fragments of the 'World's Most Difficult Jigsaw Puzzle'

https://www.smithsonianmag.com/smart-news/archaeologists-say-theyve-pieced-together-the-ancient-fragments-of-the-worlds-most-difficult-jigsaw-puzzle-180986855/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Workers Uncover an Underground Chamber Sealed for More Than a Century Near the National Mall

https://www.smithsonianmag.com/smart-news/workers-uncover-an-underground-chamber-sealed-for-more-than-a-century-near-the-national-mall-180985018/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

How an ancient Jewish inscription became a flashpoint between Turkey and Israel

https://www.middleeasteye.net/news/how-ancient-jewish-inscription-became-diplomatic-flashpoint-between-turkey-and-israel?utm_source=facebook&utm_medium=social&utm_campaign=Social_Traffic&utm_content=ap_wwwdrzi0ii

Scientists Finally Uncover the Origin of the Mysterious Bronzetti Figures

<https://scitechdaily.com/scientists-finally-uncover-the-origin-of-the-mysterious-bronzetti-figures/>

9,000-Year-Old Workshop Yields Insight into West African Toolmaking Practices

<https://archaeology.org/news/2025/09/08/9000-year-old-workshop-yields-insight-into-west-african-toolmaking-practices/>

Helmet from Pivotal Ancient Naval Battle Recovered

<https://archaeology.org/news/2025/09/09/helmet-from-pivotal-ancient-naval-battle-recovered/>

Ancient copper smelting workshop unearthed in South Sinai

<https://english.ahram.org.eg/NewsContent/9/40/553000/Antiquities/Ancient-Egypt/Ancient-copper-smelting-workshop-unearthed-in-Sout.aspx>

1,900-year-old oil lamp that provided 'light in the journey to the afterlife' found in Roman cemetery in the Netherlands

<https://www.livescience.com/archaeology/romans/1-900-year-old-oil-lamp-that-provided-light-in-the-journey-to-the-afterlife-found-in-roman-cemetery-in-the-netherlands>

Provenance study shows 19th century looted 'Incan mummy' was actually an Aymara man

<https://phys.org/news/2025-09-provenance-19th-century-looted-incan.html>

Objects Linked to Renaissance Pope Unearthed During Subway Construction

<https://archaeology.org/news/2025/09/16/objects-linked-to-renaissance-pope-unearthed-during-subway-construction/>

'Extremely unusual' discovery of wampum beads in Ferryland believed to be province's first

<https://www.cbc.ca/news/canada/newfoundland-labrador/wampum-beads-discovered-ferryland-nl-1.7622102>

Ancient bronze mirrors linked to economic prosperity of early Han Dynasty

<https://phys.org/news/2025-09-ancient-bronze-mirrors-linked-economic.html>

Archaeologists uncover forgotten Scottish castle thought to have been home to kings

<https://www.independent.co.uk/news/science/archaeology/medieval-scottish-castle-found-archaeology-research-b2828338.html?callback=in&code=MDK4YZU4YWMTOTA1YY0ZZWQ2LWJIMZCTYJG1NTBJZWNHYJMZ&state=c0fc8eb6644ddeb233f48efd47e6a>

Bronze Age monument discovered on Oileán Acla in Co Mayo

<https://www.rte.ie/news/connacht/2025/0917/1533823-bronze-age-stones-achill/>

1,600-year-old coin hoard found in complex tunnel system under Galilee dates to last Jewish rebellion against Romans

<https://www.livescience.com/archaeology/1-600-year-old-coin-hoard-found-in-complex-tunnel-system-under-galilee-dates-to-last-jewish-rebellion-against-romans>

Egyptology

Pharaoh's 3,000-year-old gold bracelet vanishes from museum in Egypt, authorities say
https://www.cbsnews.com/news/gold-bracelet-pharaoh-missing-museum-cairo-egypt/?ftag=CNM-00-10aab6a&linkId=861389390&fbclid=IwdGRzaAM32StleHRuA2FlbQIxMQABHvhYxnVbmS-wG5irz_CwVzOPzRBSEumGm-5msO547hxTpxPZny_DFFPYqc9U_aem_PKgAa-hCnkF1LaGkAGXPzw&sfnsn=mo

Egyptian Police Officer's Bone Whistle Found
<https://archaeology.org/news/2025/09/15/egyptian-police-officers-bone-whistle-found/>

Did ancient Egyptians really booby-trap the pyramids?
<https://www.livescience.com/archaeology/ancient-egyptians/did-ancient-egyptians-really-booby-trap-the-pyramids>

General Science

Electronics breakthrough means our devices may one day no longer emit waste heat, scientists say

<https://www.livescience.com/technology/electronics/electronics-breakthrough-means-our-devices-may-one-day-no-longer-emit-waste-heat-scientists-say>

ChatGPT passed the Turing Test. Now what?

https://www.popsci.com/technology/chatgpt-turing-test/?fbclid=IwdGRzaAM6LhBjbGNrAzouRGV4dG4DYWVtAjExAAEe11Q8rJ267vqrNFU5U4uA3QWDXJ3ArPZerKFZLcerfuQn6PIRncPyQv5SkG0_aem_gJKejhnbsyn-75BTnoHw4A&sfnsn=mo

Physics, Earth and Space Sciences

NASA Discovers 'Clearest Sign' Yet of Ancient Life on Mars in a Rock Studied by the Perseverance Rover

https://www.smithsonianmag.com/smart-news/nasa-discovers-clearest-sign-yet-of-ancient-life-on-mars-in-a-rock-studied-by-the-perseverance-rover-180987324/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Why solar flares are way hotter than researchers thought

<https://www.npr.org/2025/09/05/nx-s1-5529330/solar-flares-even-hotter>

After early struggles, NASA's ambitious mission to Titan is "on track" for launch

<https://arstechnica.com/space/2025/09/after-early-struggles-nasas-ambitious-mission-to-titan-is-on-track-for-launch/>

Scientists find evidence of flowing water on Ryugu's ancient parent asteroid. 'It was a genuine surprise!'

<https://www.space.com/astronomy/asteroids/scientists-find-evidence-of-flowing-water-on-ryugus-ancient-parent-asteroid-it-was-a-genuine-surprise>

SpaceX Starlink satellite photobombs orbital view of secret Chinese air base

<https://www.space.com/space-exploration/satellites/spacex-starlink-satellite-photobombs-orbital-view-of-secret-chinese-air-base-photo>

China's dual-use asteroid-collision research threatens satellites

<https://asiatimes.com/2025/09/chinas-dual-use-asteroid-collision-research-threatens-satellites/>

The weird ringed dwarf planet Quaoar may have an extra moon, astronomers discover

<https://www.space.com/astronomy/dwarf-planets/the-weird-ringed-dwarf-planet-quaoar-may-have-an-extra-moon-astronomers-discover>

Scientists find quasi-moon orbiting the Earth for the last 60 years—and it's not the first one

https://phys.org/news/2025-09-scientists-quasi-moon-orbiting-earth.html#google_vignette

Can we safely deflect a killer asteroid without making it worse? Only if we avoid the gravitational 'keyhole,' scientists say

<https://www.space.com/astronomy/asteroids/attempting-to-deflect-a-potentially-hazardous-asteroid-could-accidentally-put-it-on-a-collision-course-with-earth>

Geologists find direct evidence of an extraterrestrial impact and tsunami in North Carolina

<https://www.earth.com/news/direct-evidence-of-extraterrestrial-impact-and-tsunami-north-carolina-paint-hill/>

'Artificial super astronauts': How AI and robotics could help humanity settle Mars

<https://www.space.com/astronomy/mars/artificial-super-astronauts-how-ai-and-robotics-could-help-humanity-settle-mars>

1st known interstellar visitor 'Oumuamua is an 'exo-Pluto' — a completely new class of object, scientists say

<https://www.space.com/astronomy/dwarf-planets/1st-known-interstellar-visitor-oumuamua-is-an-exo-pluto-a-completely-new-class-of-object-scientists-say>

NASA Is Testing a Nuclear Battery That Could Last 433 Years

<https://www.popularmechanics.com/science/a65964293/nuclear-battery-433-years/>

After 10 years of black hole science, Stephen Hawking is proven right

<https://www.npr.org/2025/09/11/nx-s1-5537131/ligo-10-years-black-holes-hawking-theory-confirmed>

Interstellar comet 3I/ATLAS could be turning bright green, surprising new photos reveal

<https://www.livescience.com/space/comets/interstellar-comet-3i-atlas-could-be-turning-bright-green-surprising-new-photos-reveal>

Extraterrestrial life needs the right atmosphere. This planet 40 light-years away might fit the bill, scientists say.

<https://www.nbcnews.com/science/space/trappist1e-atmosphere-extraterrestrial-life-planet-earth-conditions-rcna229839>

Harvard professor believes interstellar objects might be proof we are not alone, "I want to figure it out"

<https://www.cbsnews.com/boston/news/interstellar-objects-alien-technology-avi-loeb/>

Astronomers Discover Unusual, Long-Lasting Gamma-Ray Explosion Outside Our Galaxy That Appeared Several Times Throughout a Day

https://www.smithsonianmag.com/smart-news/scientists-discover-unusual-long-lasting-gamma-ray-explosion-outside-our-galaxy-that-appeared-several-times-throughout-a-day-180987317/?utm_source=smithsonianmag&utm_medium=email&utm_campaign=editorial&utm_term=.98054053

Asteroid-Deflecting Missions May Need to Hit Asteroids in the Perfect Spots to Prevent Future Collisions

https://www.smithsonianmag.com/smart-news/asteroid-deflecting-missions-need-to-hit-asteroids-in-a-specific-spot-to-avoid-pushing-them-into-another-collision-course-with-earth-new-research-reveals-180987342/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=.9152025&utm_content=new&fbclid=IwY2xjawM1uTNleHRuA2FlbQlxMQABHh7Tpf0lPW2_n5BjPrJL1bHPTx5GxJZI2KVImrliTUwjCQ8pDICjrX4CJUdY_aem_gY_sJMkivK7z9CPFKCYnVQ

We've officially found 6,000 exoplanets, NASA says: 'We're entering the next great chapter of exploration'

<https://www.space.com/astronomy/exoplanets/weve-officially-found-6-000-exoplanets-nasa-says-were-entering-the-next-great-chapter-of-exploration>

Earth-like exoplanet could be habitable, and astronomers may know soon

<https://www.cnn.com/2025/09/18/science/exoplanet-possibly-habitable>

'The sun is slowly waking up': Scientists say a rise in solar storms awaits us

<https://www.space.com/astronomy/sun/the-sun-is-slowly-waking-up-scientists-say-a-rise-in-solar-storms-awaits-us>

'Dramatic' changes spotted in first black hole ever imaged

<https://www.livescience.com/space/black-holes/first-ever-black-hole-to-be-directly-imaged-has-changed-dramatically-in-just-4-years-new-study-finds>

Artemis 2 astronauts will double as human science experiments on their trip around the moon

<https://www.space.com/space-exploration/artemis/artemis-2-astronauts-will-double-as-human-science-experiments-on-their-trip-around-the-moon>

Can a spacecraft land on a teeny tiny asteroid? Japan's Hayabusa2 will certainly try

<https://www.space.com/astronomy/asteroids/japans-hayabusa2-is-heading-to-the-smallest-asteroid-ever-visited-by-a-space-mission>

How Prepared Are We for a Rare and Powerful Solar Event?

https://www.smithsonianmag.com/science-nature/how-prepared-are-we-for-a-rare-and-powerful-solar-event-180987293/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Discovery of new moon or ring system orbiting mysterious distant planet Quaoar

https://phys.org/news/2025-09-discovery-moon-orbiting-mysterious-distant.html#google_vignette

Starship will soon fly over towns and cities, but will dodge the biggest ones

<https://arstechnica.com/space/2025/09/starship-will-soon-fly-over-towns-and-cities-but-will-dodge-the-biggest-ones/>

Huge crater under North Sea was created by asteroid impact, scientists say

<https://www.theguardian.com/science/2025/sep/20/huge-crater-under-north-sea-was-created-by-asteroid-impact-scientists-say>

We are just beginning to discover what Earth's inner core is really made of

<https://www.livescience.com/planet-earth/we-are-just-beginning-to-discover-what-earths-inner-core-is-really-made-of>

Northrop Grumman's biggest-ever cargo spacecraft arrives at ISS on its debut mission

<https://www.space.com/space-exploration/international-space-station/northrop-grumman-biggest-ever-cargo-spacecraft-cygnus-xl-arrives-at-iss>

How Volunteers Helped Train Satellites to Health-Check the Chesapeake

https://www.smithsonianmag.com/blogs/smithsonian-environmental-research-center/2025/09/16/how-volunteers-trained-satellites-to-health-check-the-chesapeake/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Environment, Climate Change and Alternative Energy Sources

US energy chief tells BBC nuclear fusion will soon power the world

<https://www.bbc.com/news/articles/cqlz5p314z0o>

The Vatican Puts Environmental Preaching Into Practice at New Ecological Center in Italy

https://www.smithsonianmag.com/smart-news/the-vatican-puts-environmental-preaching-into-practice-at-new-ecological-center-in-italy-180987320/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Academies publishes strongest rebuke yet of the EPA attempts to dismiss climate threats

https://www.cbsnews.com/news/national-academies-rebukes-epa-climate-threats/?ftag=CNM-00-10aab6a&linkId=861501495&fbclid=IwY2xjawM4VytleHRuA2FlbQlXMQABHn6XrM0vCEXZOduBEO6uN4tWEkliB60rgoFZ-BPo8qbEEvoYOa0INieDY_SP_aem_grefsPgKq_cb6mR6RHenRA

New climate report warns property prices face a \$611 billion hit. What does that mean?

<https://theconversation.com/new-climate-report-warns-property-prices-face-a-611-billion-hit-what-does-that-mean-265284>

Metal Barrels Dumped Off the Coast of Los Angeles Are Encircled by Mysterious White Halos—and Scientists Think They Finally Know Why

https://www.smithsonianmag.com/smart-news/metal-barrels-dumped-off-the-coast-of-los-angeles-are-encircled-by-mysterious-white-halos-and-scientists-think-they-finally-know-why-180987334/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

New model can accurately predict a forest's future

<https://www.eurekalert.org/news-releases/1098288>

Reversing Antarctic sea ice loss depends on ocean layering, study finds

<https://phys.org/news/2025-09-reversing-antarctic-sea-ice-loss.html>

3D-printed fuel cells could reshape sustainable aerospace applications

https://techxplore.com/news/2025-09-3d-fuel-cells-reshape-sustainable.html#google_vignette

First experimental proof of multiscale coupling in plasma has implications for fusion energy

<https://techxplore.com/news/2025-09-experimental-proof-multiscale-coupling-plasma.html>

Biological, Genetics and Medical Sciences

New Helmet-Shaped Device Could One Day Treat Conditions Such as Parkinson's Without Invasive Surgery, Scientists Suggest

https://www.smithsonianmag.com/smart-news/new-helmet-shaped-device-could-one-day-treat-conditions-such-as-parkinsons-without-invasive-surgery-scientists-suggest-180987325/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Brain implants are here, they help — and they're a little creepy

<https://www.npr.org/2025/09/10/nx-s1-5527100/brain-computer-interface-implant>

At Almost 500 Feet Below the Water, Experts Heard the Sounds of the Elusive Beaked Whale

<https://www.discovermagazine.com/sight-and-sound-searching-for-the-calls-of-the-elusive-beaked-whale-48018>

Octopuses prefer to use different arms for different tasks, scientists find

<https://www.theguardian.com/environment/2025/sep/11/octopuses-prefer-to-use-different-arms-for-different-tasks-scientists-find>

Dr. Peter Hotez takes the war against science very personally

<https://www.npr.org/sections/goats-and-soda/2025/09/10/g-s1-87614/dr-peter-hotez-science-rfk-jr>

Child's Death Shows How Measles in the Brain Can Kill Years after an Infection

<https://www.scientificamerican.com/article/measles-death-shows-how-virus-can-hide-in-the-brain-for-years/>

Orcas attack two boats, sinking one

<https://www.kiro7.com/news/trending/orcas-attack-two-boats-sinking-one/XCXZXD22ZJB47PDHZODOGCO3PE/>

Three-Minute Take-Home Test May Identify Symptoms Linked to Alzheimer's Disease Years Before a Traditional Diagnosis

https://www.smithsonianmag.com/smart-news/three-minute-take-home-test-may-identify-symptoms-linked-to-alzheimers-disease-years-before-a-traditional-diagnosis-180987281/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Scientists Deposit 200,000 Rare Oysters in a Shipwreck 100 Feet Below the Surface of the North Sea

https://www.smithsonianmag.com/smart-news/scientists-deposit-200000-rare-oysters-in-a-shipwreck-100-feet-below-the-surface-of-the-north-sea-180987047/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053

Other

Inside 'Blood & Myth,' Hulu's chilling true-crime tale of Alaska's legendary 'little people': 'I came away believing'

<https://www.goldderby.com/tv/2025/blood-and-myth-hulu-james-dommek-kahlil-hudson-interview/>

Jazz head at Kennedy Center is the latest firing at the beleaguered arts institution

<https://www.npr.org/2025/09/11/nx-s1-5538440/jazz-director-kennedy-center-trump>

Additional Informational

Searching for Home: A Sisters in the Wind Review

https://www.indian-affairs.org/blog?fbclid=IwVERTSAMxHZRleHRuA2FibQIxMAABHsQ2LHM69YnoBcldcb_VrSRZbKFR8FVfMgSY_ZS-VVYHvTXaMXmNISsazCA8_aem_L4rwsIkBXXRvL6LTiUNrTQ&sfnsn=mo

The oldest known lepidosaur and origins of lepidosaur feeding adaptations

<https://www.nature.com/articles/s41586-025-09496-9>

Oral History of Human Origins Research

https://leakeyfoundation.org/learn/oral-history-of-human-origins-research/?fbclid=IwdGRzaAMv6RtjbGNrAy_pUGV4dG4DYWVtAjExAAEenKgInNOhbWM9O6l6d4d980H6ZRkLIRt-aUbVznpZs8btFqz_zX2H_giMkrk_aem_NERea-guD-7DICG-PvFI4q&sfnsn=mo

Shocked quartz at the Younger Dryas onset (12.8 ka) supports cosmic airbursts/impacts contributing to North American megafaunal extinctions and collapse of the Clovis technocomplex

https://journals.plos.org/plosone/article?id=10.1371%2Fjournal.pone.0319840&fbclid=IwdGRzaAMyb01jbGNrAzJvgWV4dG4DYWVtAjExAAEelGrwpmyMmBI5SW9UCPQt1gcDDvD7jzMzyAY36-7_FH43FrIPNfEx7IniOdc_aem_E1PJmu1FLsDJhDk627akwg&sfnsn=mo

Monuments Men and Women Foundation Stops Auction Sale of Paintings Looted by the Nazis from the Schloss Collection

<https://www.monumentsmenandwomenfnd.org/post/sale-of-nazi-looted-paintings-from-schloss-collection-stopped>

The Schloss Story: Art, War, and Restitution

<https://www.monumentsmenandwomenfnd.org/post/the-schloss-story>

NASA the Mars Report

https://science.nasa.gov/mars/the-mars-report/2025-september-special-edition/?newsletters091125&utm_source=iContact&utm_medium=email&utm_campaign=nasa-mars-communications&utm_content=Final%3A+Mars+Report+-+Sept+Version

Ocean Insights Newsletter

https://explore.who.edu/ocean-insights-september-11-2025?ecid=ACsprvu-zzOjqo6eCWariweBme-MXDoW0YSKOUwLFh4llgG9UDcR9qWRVACQxhJ1lwcLCIx8rT4Q&utm_campaign=6570037-Ocean%20Insights%202025&utm_medium=email&hsenc=p2ANqtz-goobjFt7mBQMs89GqXY_D7OPx38jim8rDami85doD2botByAeNS9bf6XIzwh-R9VHwyUf5Q_J4Xymd-67MntckVRNopbjXWnC_exv9t2UF2HGEKM&hsmi=380172011&utm_content=380172011&utm_source=hs_email

NASA Says Mars Rover Discovered Potential Biosignature Last Year

<https://www.nasa.gov/news-release/nasa-says-mars-rover-discovered-potential-biosignature-last-year/>

NASA Analysis Shows Sun's Activity Ramping Up

<https://www.nasa.gov/science-research/heliophysics/nasa-analysis-shows-suns-activity-ramping-up/>

Culture is driving a major shift in human evolution, new theory proposes

<https://umaine.edu/news/blog/2025/09/15/culture-is-driving-a-major-shift-in-human-evolution-new-theory-proposes/>

AI-powered CRISPR could lead to faster gene therapies, Stanford Medicine study finds
<https://med.stanford.edu/news/all-news/2025/09/ai-crispr-gene-therapy.html>

NOAA Fisheries Partners with Smithsonian to Archive Marine Specimens for Genetic Research
<https://www.fisheries.noaa.gov/feature-story/noaa-fisheries-partners-smithsonian-archive-marine-specimens-genetic-research>

Claims of pure bloodlines? Ancestral homelands? DNA science says no.
<https://news.harvard.edu/gazette/story/2025/09/claims-of-pure-bloodlines-ancestral-homelands-dna-science-says-no/>

Newly released video at House UFO hearing appears to show U.S. missile striking and bouncing off orb
<https://www.cbsnews.com/news/video-house-ufo-hearing-us-missile-strikes-unidentified-object/>

Space Settlement Summit, Nov 3-4: Orlando, FL
<https://spacesettlementsummit.nss.org/>

EPSC-DPS2025: Study Questions Ocean Origin of Organics in Enceladus's Plumes
<https://www.europlanet.org/epsc-dps2025-study-questions-ocean-origin-of-organics-in-enceladuss-plumes/>

Can Hayabusa2 touchdown? New study reveals space mission's target asteroid is tinier and faster than thought
<https://www.eso.org/public/news/eso2515/>

Aurelia Institute Newsletter
<https://mailchi.mp/aureliainstitute/introducing-rendezvous?e=57e055f9a1>