

# Weekly Science Report

July 11, 2025

**“Education is the most powerful weapon which you can use to change the world.”**

Nelson Mandela

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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

The 'Great Dying' wiped out 90% of life, then came 5 million years of lethal heat. New fossils explain why

<https://www.cnn.com/2025/07/02/climate/great-dying-extinction-tipping-point-tropical-forests>

Early humans used ochre for advanced toolmaking at Blombos Cave, study finds

<https://archaeologymag.com/2025/07/early-humans-used-ochre-for-advanced-toolmaking/>

125,000-year-old 'fat factory' run by Neanderthals discovered in Germany

<https://www.livescience.com/archaeology/human-evolution/125-000-year-old-fat-factory-run-by-neanderthals-discovered-in-germany>

Study reveals the surprising and twisty path our ancestors took to develop an upright stance

[https://phys.org/news/2025-06-reveals-twisty-path-ancestors-upright.html#google\\_vignette](https://phys.org/news/2025-06-reveals-twisty-path-ancestors-upright.html#google_vignette)

New Species of Permian Pareiasaur Found in China Unlocks Secrets of Ancient Earth's Herbivores!

<https://indiandefencereview.com/new-species-of-permian-pareiasaur-in-china/>

Human Fishing Reshaped Caribbean Reef Food Webs, 7,000-Year-Old Exposed Fossilized Reefs Reveal

[https://www.smithsonianmag.com/blogs/smithsonian-tropical-research-institute/2025/07/01/human-fishing-reshaped-caribbean-reef-food-webs-7000-year-old-exposed-fossilized-reefs-reveal/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/blogs/smithsonian-tropical-research-institute/2025/07/01/human-fishing-reshaped-caribbean-reef-food-webs-7000-year-old-exposed-fossilized-reefs-reveal/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Scientists Built a Canoe Using Only Prehistoric Tools. Then They Sailed the Dangerous 140-Mile Route Early Humans Traveled 30,000 Years Ago

[https://www.smithsonianmag.com/smart-news/scientists-built-a-canoe-using-only-prehistoric-tools-then-they-sailed-the-dangerous-140-mile-route-early-humans-traveled-30000-years-ago-180986900/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/scientists-built-a-canoe-using-only-prehistoric-tools-then-they-sailed-the-dangerous-140-mile-route-early-humans-traveled-30000-years-ago-180986900/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

200 million year-old flying reptile species found

<https://www.bbc.com/news/articles/cqx2zzn53pqo>

Giant Sloths and Many Other Massive Creatures Were Once Common on Our Planet. With Environmental Changes, Such Giants Could Thrive Again

[https://www.smithsonianmag.com/science-nature/giant-sloths-and-many-other-massive-creatures-were-once-common-on-our-planet-with-environmental-changes-such-giants-could-thrive-again-180986941/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/science-nature/giant-sloths-and-many-other-massive-creatures-were-once-common-on-our-planet-with-environmental-changes-such-giants-could-thrive-again-180986941/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

They paved paradise and found dinosaur bones in the parking lot

<https://www.rmpbs.org/blogs/science-environment/dmns-dinosaur-bones-parking-lot>

A Massive Underwater Fossil Find Includes Remains From Ancient Human Ancestors

[https://www.smithsonianmag.com/smart-news/a-massive-underwater-fossil-find-includes-remains-from-ancient-human-ancestors-180986957/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/a-massive-underwater-fossil-find-includes-remains-from-ancient-human-ancestors-180986957/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Genomic study reveals deep roots of human survival and adaptation in Himalayas  
<https://phys.org/news/2025-07-genomic-reveals-deep-roots-human.html>

'People can change their minds': the evolutionary biologist with a dramatic story of her own  
[https://observer.co.uk/news/science-technology/article/people-can-change-their-minds-the-evolutionary-biologist-with-a-dramatic-story-of-her-own?fbclid=IwY2xjawLXcB1leHRuA2FlbQIxMQABHmZhnFu1917iQHQVF-H0MTmXmXd-bvzlmgtCwk1nSs2dtGq\\_mztXsZ3b7wex\\_aem\\_GFoFoqp1c3iyqH2pCdytyA&sfnsn=mo](https://observer.co.uk/news/science-technology/article/people-can-change-their-minds-the-evolutionary-biologist-with-a-dramatic-story-of-her-own?fbclid=IwY2xjawLXcB1leHRuA2FlbQIxMQABHmZhnFu1917iQHQVF-H0MTmXmXd-bvzlmgtCwk1nSs2dtGq_mztXsZ3b7wex_aem_GFoFoqp1c3iyqH2pCdytyA&sfnsn=mo)

The Cambrian Explosion Happened 15 Million Years Earlier Than We Thought  
[https://dailygalaxy.com/2025/07/cambrian-explosion-15-million-years-earlier/#google\\_vignette](https://dailygalaxy.com/2025/07/cambrian-explosion-15-million-years-earlier/#google_vignette)

INGENIOUS NEANDERTHAL BONE TOOL FOUND IN BELGIAN CAVE  
<https://archaeology.org/news/2025/07/11/ingenious-neanderthal-bone-tool-found-in-belgian-cave/>

Neanderthal DNA may refute 65,000-year-old date for human occupation in Australia, but not all experts are convinced  
<https://www.livescience.com/archaeology/human-evolution/neanderthal-dna-may-refute-65-000-year-old-date-for-human-occupation-in-australia-but-not-all-experts-are-convinced>

Oldest wooden tools unearthed in East Asia show that ancient humans made planned trips to dig up edible plants  
<https://www.livescience.com/archaeology/human-evolution/oldest-wooden-tools-unearthed-in-east-asia-show-that-ancient-humans-made-planned-trips-to-dig-up-edible-plants>

Sonar survey confirms mastodon carving at 9,000-year-old Lake Michigan's 'Underwater Stonehenge'  
<https://www.jpost.com/archaeology/article-860220>

New analysis of the Skhūl I skull: One of the oldest human burials in the world  
<https://phys.org/news/2025-07-analysis-skhl-skull-oldest-human.html>

Stone Age hunter-gatherers traveled long distances to get the right color stone for their tools  
<https://phys.org/news/2025-07-stone-age-huntergatherers-distances-tools.html>

## History

How a Deadly Circus Fire on the 'Day the Clowns Cried' Traumatized a Community—and Led to Lasting Safety Reforms

[https://www.smithsonianmag.com/history/how-a-deadly-circus-fire-on-the-day-the-clowns-cried-traumatized-a-community-and-led-to-lasting-safety-reforms-180986888/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/history/how-a-deadly-circus-fire-on-the-day-the-clowns-cried-traumatized-a-community-and-led-to-lasting-safety-reforms-180986888/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

A Rare Copy of the 13th Amendment Signed by Abraham Lincoln Sells for a Record \$13.7 Million

[https://www.smithsonianmag.com/smart-news/a-rare-copy-of-the-13th-amendment-signed-by-abraham-lincoln-sells-for-a-record-13-7-million-180986917/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/a-rare-copy-of-the-13th-amendment-signed-by-abraham-lincoln-sells-for-a-record-13-7-million-180986917/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Why the Ancient Craft of Dry Stone Walling Still Holds So Much Appeal in the 21st Century

[https://www.smithsonianmag.com/arts-culture/ancient-craft-dry-stone-walling-still-holds-appeal-21st-century-180986807/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/arts-culture/ancient-craft-dry-stone-walling-still-holds-appeal-21st-century-180986807/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Do American Indians Celebrate the Fourth of July?

[https://www.smithsonianmag.com/blogs/national-museum-american-indian/2020/07/01/do-american-indians-celebrate-4th-july/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/blogs/national-museum-american-indian/2020/07/01/do-american-indians-celebrate-4th-july/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

80 years later, a Holocaust survivor meets an American soldier who helped free him

<https://www.npr.org/2025/06/30/nx-s1-5423692/world-war-ii-reunion-holocaust-liberation-buchenwald-nazis>

How Women in New Jersey Gained—and Lost—the Right to Vote More Than a Century Before the 19th Amendment Granted Suffrage Nationwide

[https://www.smithsonianmag.com/history/how-women-in-new-jersey-gained-and-lost-the-right-to-vote-more-than-a-century-before-the-19th-amendment-granted-suffrage-nationwide-180986930/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/history/how-women-in-new-jersey-gained-and-lost-the-right-to-vote-more-than-a-century-before-the-19th-amendment-granted-suffrage-nationwide-180986930/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Stolen Historic Documents Surface in Attic—Ten Years After an Employee Used Them as Collateral to Borrow Money

[https://www.smithsonianmag.com/smart-news/stolen-historic-documents-surface-in-attic-ten-years-after-an-employee-used-them-as-collateral-to-borrow-money-180986965/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/stolen-historic-documents-surface-in-attic-ten-years-after-an-employee-used-them-as-collateral-to-borrow-money-180986965/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Seven Mysteries You Can Explore in America's National Parks

[https://www.smithsonianmag.com/travel/seven-mysteries-you-can-explore-in-americas-national-parks-180986963/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/travel/seven-mysteries-you-can-explore-in-americas-national-parks-180986963/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

The 230-Foot-Long Bayeux Tapestry Is Returning Home to England for the First Time in Nearly 1,000 Years

[https://www.smithsonianmag.com/smart-news/the-230-foot-long-bayeux-tapestry-is-returning-home-to-england-for-the-first-time-in-nearly-1000-years-180986961/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/the-230-foot-long-bayeux-tapestry-is-returning-home-to-england-for-the-first-time-in-nearly-1000-years-180986961/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

These Medieval Monks Scribbled Notes in the Margins of Their Books More Than 1,000 Years Ago

[https://www.smithsonianmag.com/smart-news/these-medieval-monks-scribbled-notes-in-the-margins-of-their-books-more-than-1000-years-ago-180986877/?utm\\_source=smithsonian-weekender&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/these-medieval-monks-scribbled-notes-in-the-margins-of-their-books-more-than-1000-years-ago-180986877/?utm_source=smithsonian-weekender&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Radiocarbon dating reveals Rapa Nui not as isolated as previously thought

[https://phys.org/news/2025-06-radiocarbon-dating-reveals-rapa-nui.html#google\\_vignette](https://phys.org/news/2025-06-radiocarbon-dating-reveals-rapa-nui.html#google_vignette)

DNA study: Modern Jews and Arabs retain more than half their ancestry from Bronze Age 'Canaanites'

[https://www.jpost.com/archaeology/article-860458#google\\_vignette](https://www.jpost.com/archaeology/article-860458#google_vignette)

## Archaeology

Four Bewildering Bronze Lions' Heads with Slightly Different Facial Expressions Found in Ancient Roman Grave in Israel

[https://www.smithsonianmag.com/smart-news/four-bewildering-bronze-lions-heads-with-slightly-different-facial-expressions-found-in-ancient-roman-grave-in-israel-180986922/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/four-bewildering-bronze-lions-heads-with-slightly-different-facial-expressions-found-in-ancient-roman-grave-in-israel-180986922/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Fishermen in the Brazilian Amazon Discover Enormous Funerary Urns Beneath a Toppled Tree

[https://www.smithsonianmag.com/smart-news/fishermen-in-the-brazilian-amazon-discover-enormous-funerary-urns-beneath-a-toppled-tree-180986926/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/fishermen-in-the-brazilian-amazon-discover-enormous-funerary-urns-beneath-a-toppled-tree-180986926/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Megalithic Stone Monuments in France May Be Europe's Oldest

<https://archaeology.org/news/2025/07/01/megalithic-stone-monuments-in-france-may-be-europes-oldest/>

This Young Woman With a Cone-Shaped Skull Died After Suffering a Severe Head Wound 6,000 Years Ago

[https://www.smithsonianmag.com/smart-news/this-young-woman-with-a-cone-shaped-skull-died-after-suffering-a-severe-head-wound-6000-years-ago-180986894/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/this-young-woman-with-a-cone-shaped-skull-died-after-suffering-a-severe-head-wound-6000-years-ago-180986894/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Archaeologists Unearth Ancient Clay Puppets With Open Mouths and Detachable Heads That 'Resemble Modern Toy Dolls'

[https://www.smithsonianmag.com/smart-news/archaeologists-unearth-ancient-clay-puppets-with-open-mouths-and-detachable-heads-that-resemble-modern-toy-dolls-180986173/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/archaeologists-unearth-ancient-clay-puppets-with-open-mouths-and-detachable-heads-that-resemble-modern-toy-dolls-180986173/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Archaeologists unveil 3,500-year-old city in Peru

<https://www.bbc.com/news/articles/c07dmx38kyeo>

Archaeologists Discover Roman Army Camp in the Netherlands—15 Miles Beyond the Empire's Northern Border

[https://www.smithsonianmag.com/smart-news/archaeologists-discover-roman-army-camp-in-the-netherlands-15-miles-beyond-the-empires-northern-border-180986910/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/archaeologists-discover-roman-army-camp-in-the-netherlands-15-miles-beyond-the-empires-northern-border-180986910/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Archaeologists Unearth Treasure-Filled Tomb Belonging to the First Known Ruler of a Maya City in Belize

[https://www.smithsonianmag.com/smart-news/archaeologists-unearth-treasure-filled-tomb-belonging-to-the-first-known-ruler-of-a-maya-city-in-belize-180986972/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/archaeologists-unearth-treasure-filled-tomb-belonging-to-the-first-known-ruler-of-a-maya-city-in-belize-180986972/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

How Underwater Archaeology Brings Secrets to the Surface, From Lost Shipwrecks to Submerged Cities

[https://www.smithsonianmag.com/history/how-underwater-archaeology-brings-secrets-to-the-surface-from-lost-shipwrecks-to-submerged-cities-180986950/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/history/how-underwater-archaeology-brings-secrets-to-the-surface-from-lost-shipwrecks-to-submerged-cities-180986950/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Archaeologists Unearth Traces of an Iron Age Settlement and Roman Villa in England  
[https://www.smithsonianmag.com/smart-news/archaeologists-unearth-traces-of-an-iron-age-settlement-and-roman-villa-in-england-180986943/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/archaeologists-unearth-traces-of-an-iron-age-settlement-and-roman-villa-in-england-180986943/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Long-Lost Treasures Emerge From Lake During Hurricane Helene Recovery Efforts in North Carolina  
[https://www.smithsonianmag.com/smart-news/long-lost-treasures-emerge-from-lake-during-hurricane-helene-recovery-efforts-in-north-carolina-180986870/?utm\\_source=smithsonian-weekender&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/long-lost-treasures-emerge-from-lake-during-hurricane-helene-recovery-efforts-in-north-carolina-180986870/?utm_source=smithsonian-weekender&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Gas Workers Digging Beneath the Streets of Lima Stumble Upon 1,000-Year-Old Mummy With Dark Brown Hair  
[https://www.smithsonianmag.com/smart-news/gas-workers-digging-beneath-the-streets-of-lima-stumble-upon-1000-year-old-mummy-with-dark-brown-hair-180986924/?utm\\_source=smithsonian-weekender&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/gas-workers-digging-beneath-the-streets-of-lima-stumble-upon-1000-year-old-mummy-with-dark-brown-hair-180986924/?utm_source=smithsonian-weekender&utm_medium=email&utm_campaign=editorial&lctg=98054053)

Ancient Babylonian Hymn, Overflowing With Praise, Resurfaces After Millennia  
[https://news.artnet.com/art-world/babylonian-hymn-resurfaces-ai-2664269?utm\\_campaign=artnet-news&utm\\_content=1751910905&utm\\_medium=social&utm\\_source=facebook&fbclid=IwY2xjawLZXZ5leHRuA2FibQIxMQABHloE\\_uzxutMCyalWTHpfZ\\_SCsrnmyUJhdYM05In7VCX6KkYyIbYL1jVHQoal\\_aem\\_YlbojivLQJ3UKuJ8P-YkaQ&sfnsn=mo](https://news.artnet.com/art-world/babylonian-hymn-resurfaces-ai-2664269?utm_campaign=artnet-news&utm_content=1751910905&utm_medium=social&utm_source=facebook&fbclid=IwY2xjawLZXZ5leHRuA2FibQIxMQABHloE_uzxutMCyalWTHpfZ_SCsrnmyUJhdYM05In7VCX6KkYyIbYL1jVHQoal_aem_YlbojivLQJ3UKuJ8P-YkaQ&sfnsn=mo)

NEW DISCOVERIES FROM FAMED ANTIKYTHERA SHIPWRECK  
<https://archaeology.org/news/2025/07/11/new-discoveries-from-famed-antikythera-shipwreck/>

Cypro-Minoan script on Tel Dor lagoon anchor reveals 11th-century trade routes  
[https://www.jpost.com/archaeology/article-859581#google\\_vignette](https://www.jpost.com/archaeology/article-859581#google_vignette)

New sonar scans reignite legend of 'Krishna's sunken kingdom' off Dwarka  
<https://www.jpost.com/archaeology/article-860211>

Sirius Rising: The mystery of Canary Island churches pointing to the Dog Star  
<https://www.jpost.com/archaeology/article-860456>



## Egyptology

Archaeologists Discover Tomb of Unknown Ancient Egyptian Pharaoh

[https://www.smithsonianmag.com/smart-news/archaeologists-discover-tomb-unknown-ancient-egyptian-pharaoh-180986292/?utm\\_source=smithsoniandaily&utm\\_medium=email&utm\\_campaign=editorial&lctg=98054053](https://www.smithsonianmag.com/smart-news/archaeologists-discover-tomb-unknown-ancient-egyptian-pharaoh-180986292/?utm_source=smithsoniandaily&utm_medium=email&utm_campaign=editorial&lctg=98054053)

The first genome sequenced from ancient Egypt reveals surprising ancestry, scientists say

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