

# Weekly Science Report

May 31, 2024

**“Every day history is made by women in every part of the world. Let’s celebrate the leadership of women who rise for all.”**

Amina J Mohammed

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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

Earth's Magnetic Field Nearly Collapsed 600 Million Years Ago. Then, Weird and Complex Life Evolved

[https://www.smithsonianmag.com/smart-news/earths-magnetic-field-nearly-collapsed-600-million-years-ago-then-weird-and-complex-life-evolved-180984353/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=5222024&utm\\_content=recent&fbclid=IwZXh0bgNhZW0CMTEAAR3XEUgukbO-Do8s\\_Lx-GtGuixbgheOGWNNYu4bM6Rel1J5ZNcC6MdhvWc0\\_aem\\_AbL4MvIHjAPmfPn2TUgVZI3UPTSxcleVgsrYAx\\_yM8Nnln7nF5A5GuXP2jr6Csnxy9yTaN5imtvdb3Rpen4\\_12Dp](https://www.smithsonianmag.com/smart-news/earths-magnetic-field-nearly-collapsed-600-million-years-ago-then-weird-and-complex-life-evolved-180984353/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=5222024&utm_content=recent&fbclid=IwZXh0bgNhZW0CMTEAAR3XEUgukbO-Do8s_Lx-GtGuixbgheOGWNNYu4bM6Rel1J5ZNcC6MdhvWc0_aem_AbL4MvIHjAPmfPn2TUgVZI3UPTSxcleVgsrYAx_yM8Nnln7nF5A5GuXP2jr6Csnxy9yTaN5imtvdb3Rpen4_12Dp)

22,000-year-old artifacts could rewrite ancient human history in North America

<https://www.businessinsider.com/ancient-stone-tools-first-humans-north-america-2024-5>

This 3.6-million-year-old footprint was made by our earliest known ancestor. Now it's at risk of being lost forever

<https://www.cnn.com/travel/travel-news-laetoli-footprints/index.html>

Dinosaur hunter stumbles across million-dollar find

<https://www.bbc.com/news/articles/crgqxl1k0xo>

A rare find in ancient Timorese mud may rewrite the history of human settlement in Australasia

[https://phys.org/news/2024-05-rare-ancient-timorese-mud-rewrite.html#google\\_vignette](https://phys.org/news/2024-05-rare-ancient-timorese-mud-rewrite.html#google_vignette)

New Study Detects Differences in Neanderthal and Modern Human Child-rearing

<https://www.haaretz.com/archaeology/2024-05-23/ty-article/new-study-detects-differences-in-neanderthal-and-modern-human-child-rearing/0000018f-a022-d6da-a1cf-eb2292110000>

Why did Homo sapiens emerge in Africa?

<https://www.livescience.com/archaeology/why-did-homo-sapiens-emerge-in-africa>

Cultural and linguistic networks of central African hunter-gatherers have ancient origin, study finds

<https://phys.org/news/2024-05-cultural-linguistic-networks-central-african.html>

Study finds environmental conditions influenced how early humans migrated across continents

<https://phys.org/news/2024-05-environmental-conditions-early-humans-migrated.html>

Clues to mysterious disappearance of North America's large mammals 50,000 years ago found within ancient bone collagen

<https://phys.org/news/2024-05-clues-mysterious-north-america-large.html>

New vestiges of the first life on Earth discovered in Saudi Arabia

<https://phys.org/news/2024-05-vestiges-life-earth-saudi-arabia.html>

Ice Age 'Spa' Kept Trees Alive in Freezing Conditions

<https://www.scientificamerican.com/article/fossils-from-an-ice-age-tree-spa-discovered/>

## History

Warsaw Ghetto's defiant Jewish doctors secretly documented the medical effects of Nazi starvation policies in a book rediscovered on a library shelf

<https://theconversation.com/warsaw-ghettos-defiant-jewish-doctors-secretly-documented-the-medical-effects-of-nazi-starvation-policies-in-a-book-rediscovered-on-a-library-shelf-182726>

Government 'owes apology' over Nazi camps cover-up

<https://www.bbc.com/news/articles/c6pprym57pno>

YUCHI IMMERSION SCHOOL PRESERVES ENDANGERED LANGUAGE

[https://www.newson6.com/story/6657e0e521cdd54f66ff7147/yuchi-immersion-school-preserves-endangered-language?fbclid=IwZXh0bgNhZW0CMTEAAR2B\\_NZZmUm7xZ4vPV85ruM31hSpnsM89Z16vLOjhOyVOt4u5rUJDR3iBxg\\_aem\\_ASU8qiHWKDdnkpjRFiGayceat\\_I7\\_zhzC0mbNbwT3HDYow5zy3gllbKVIH1oW1mz4emWE9122gGiNUJ43A7FqZzd](https://www.newson6.com/story/6657e0e521cdd54f66ff7147/yuchi-immersion-school-preserves-endangered-language?fbclid=IwZXh0bgNhZW0CMTEAAR2B_NZZmUm7xZ4vPV85ruM31hSpnsM89Z16vLOjhOyVOt4u5rUJDR3iBxg_aem_ASU8qiHWKDdnkpjRFiGayceat_I7_zhzC0mbNbwT3HDYow5zy3gllbKVIH1oW1mz4emWE9122gGiNUJ43A7FqZzd)

Chilling photo album reveals how SS officer who helped run Auschwitz wanted to remember the concentration camp

<https://www.cbsnews.com/news/pictures-show-nazi-life-at-auschwitz-as-jews-died-in-gas-chambers-60-minutes/>

Researchers identify the 18 World War II executed civilians of Adele, Rethymnon, using ancient DNA analysis

<https://phys.org/news/2024-05-world-war-ii-civilians-adele.html>

Researcher uses satellite imagery to investigate ancient urbanism in eastern Africa

<https://phys.org/news/2024-05-satellite-imagery-ancient-urbanism-eastern.html>

U.S. Museum Agrees to Return Ptolemaic Statue to Libya

<https://www.archaeology.org/news/12432-240531-libya-looting-repatriation>

Alexander the Great's Untold Story

<https://www.archaeology.org/issues/550-2405/features/12280-greece-alexander-the-great-origins>

A Century Ago, This Law Underscored the Promises and Pitfalls of Native American Citizenship

<https://www.smithsonianmag.com/history/a-century-ago-this-law-underscored-the-promises-and-pitfalls-of-native-american-citizenship-180984426/>

Why Leopold and Loeb Committed Cold-Blooded Murder in the 'Crime of the Century'

<https://www.smithsonianmag.com/history/why-leopold-and-loeb-committed-cold-blooded-murder-in-the-crime-of-the-century-180984345/>

## Archaeology

Colombia launches expedition to explore 300-year-old Spanish shipwreck filled with sunken treasure

[https://www.cnn.com/2024/05/22/travel/san-jose-colombia-shipwreck-expedition-discovery-intl-hnk/index.html?Date=20240523&Profile=CNN&utm\\_content=1716456660&utm\\_medium=social&utm\\_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR0xxkfsuWZWMgid2Wvt1RK65qjr5qXIdOi70T36nB1dy8rNj-LYLNkLS28\\_aem\\_AZbhCQaGOPANhs24DzX7\\_AMv4ms0ARtbSs0A0oo4B-Wt938WCHF9viYwKlJgzYgFCr8Tq3MOv1t-nVWGpyqkCCh](https://www.cnn.com/2024/05/22/travel/san-jose-colombia-shipwreck-expedition-discovery-intl-hnk/index.html?Date=20240523&Profile=CNN&utm_content=1716456660&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR0xxkfsuWZWMgid2Wvt1RK65qjr5qXIdOi70T36nB1dy8rNj-LYLNkLS28_aem_AZbhCQaGOPANhs24DzX7_AMv4ms0ARtbSs0A0oo4B-Wt938WCHF9viYwKlJgzYgFCr8Tq3MOv1t-nVWGpyqkCCh)

Gold earring found in burned ruins of an Iron Age village may reveal 'moment in time,' archaeologists say

[https://www.cnn.com/2024/05/20/world/iron-age-fire-spain-earring-hannibal-scn/index.html?Date=20240520&Profile=CNN&utm\\_content=1716235209&utm\\_medium=social&utm\\_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR25-o96ymYpi1HvmilNVNNrvcdihWfC4S0gVhFcYVvbEC4IKVw3QY7XJYs\\_aem\\_AdpoI-MbOUjAZsGvRpWBwqUij2dbTu4XcLneSWX5L-Sh6NGuTp3x8nzpIInduV5RzkFQ9\\_hDFPamo8fnNuDi4afd](https://www.cnn.com/2024/05/20/world/iron-age-fire-spain-earring-hannibal-scn/index.html?Date=20240520&Profile=CNN&utm_content=1716235209&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR25-o96ymYpi1HvmilNVNNrvcdihWfC4S0gVhFcYVvbEC4IKVw3QY7XJYs_aem_AdpoI-MbOUjAZsGvRpWBwqUij2dbTu4XcLneSWX5L-Sh6NGuTp3x8nzpIInduV5RzkFQ9_hDFPamo8fnNuDi4afd)

Mushroom Hunters Stumble Upon Mysterious Stone Sculpture in Thai Forest

[https://www.smithsonianmag.com/smart-news/mushroom-hunters-stumble-upon-mysterious-stone-sculpture-thai-forest-180984382/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=5202024&utm\\_content=new&fbclid=IwZXh0bgNhZW0CMTEAAR0uXR6Hsw4AgzGeChHMgjFCwWLEHVnCIISJ9o6Y1eWPMFCgOoUp7TK9Uj4\\_aem\\_Adqrx\\_KKdu4doJvID9bCngBFBiuYFr-sgjYpFt82YUGZrDzi-aM2EMMhNIKWuJpHUJx2eHvKbyLqsojiShBSkCss](https://www.smithsonianmag.com/smart-news/mushroom-hunters-stumble-upon-mysterious-stone-sculpture-thai-forest-180984382/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=5202024&utm_content=new&fbclid=IwZXh0bgNhZW0CMTEAAR0uXR6Hsw4AgzGeChHMgjFCwWLEHVnCIISJ9o6Y1eWPMFCgOoUp7TK9Uj4_aem_Adqrx_KKdu4doJvID9bCngBFBiuYFr-sgjYpFt82YUGZrDzi-aM2EMMhNIKWuJpHUJx2eHvKbyLqsojiShBSkCss)

Archaeologists Find Roman Centurions' Letters in Ancient Animal Cemetery

<https://www.newsweek.com/archaeologists-find-roman-centurions-letters-ancient-animal-cemetery-1906378>

28 'carefully placed' horses in ancient burial in France may have been part of a sacrificial ritual

<https://www.livescience.com/archaeology/28-carefully-placed-horses-in-ancient-burial-in-france-may-have-been-part-of-a-sacrificial-ritual>

Grave robbers looted lavish 1,800-year-old tombs in China — but missed this one

<https://www.livescience.com/archaeology/grave-robbers-looted-lavish-1800-year-old-tombs-in-china-but-missed-this-one>

First English settlers in North America ate dogs, research says

<https://www.independent.co.uk/news/science/archaeology/north-america-archaeologists-discovery-dogs-settlers-b2552318.html>

Archaeologists Make 'Sensational Discovery' of Neolithic Leader's Grave

<https://www.newsweek.com/neolithic-skeleton-discovered-germany-leader-burial-1904574>

Archaeologists Accidentally Found the Incredible Lost Remnants of America's First Soldiers

<https://www.popularmechanics.com/science/archaeology/a60916065/revolutionary-war-barracks-remnants-discovered/>

Who has the largest burial mound? Study examines differences among the upper classes of prehistoric societies

<https://phys.org/news/2024-05-largest-burial-mound-differences-upper.html>

Chemists, biologists, archaeologists: Who will unearth the recipes of our ancestors?

<https://phys.org/news/2024-05-chemists-biologists-archaeologists-unearth-recipes.html>

2,000-year-old gold jewelry from mysterious culture discovered in Kazakhstan

<https://www.livescience.com/archaeology/2000-year-old-gold-jewelry-from-mysterious-culture-discovered-in-kazakhstan>

3,500-year-old rock art of wild sheep and double-humped camels revealed in Kazakhstan

<https://www.livescience.com/archaeology/3500-year-old-rock-art-of-wild-sheep-and-double-humped-camels-revealed-in-kazakhstan>

## Egyptology

Ancient Egyptian skull shows oldest attempt at cancer surgery

<https://www.nbcnews.com/news/world/ancient-egypt-skull-oldest-cancer-surgery-cut-marks-lesions-rcna154448>

Archaeologists Found an 'Anomaly' Near the Pyramids That May Reveal an Ancient Portal

[https://www.popularmechanics.com/science/archaeology/a60815504/pyramids-anomaly/?utm\\_source=google&utm\\_medium=cpc&utm\\_campaign=arb\\_ga\\_pop\\_md\\_dsa\\_hybd\\_mix\\_us\\_21178859017&qad\\_source=1&qclid=Cj0KCQjw6uWvBhD1ARIsAIMcADqhx\\_LDDnOFdbJq2GD0saTTop2vRlo0OgD9dwS3yn6jEFTQ59iWa5UaAIY5EALw\\_wcB](https://www.popularmechanics.com/science/archaeology/a60815504/pyramids-anomaly/?utm_source=google&utm_medium=cpc&utm_campaign=arb_ga_pop_md_dsa_hybd_mix_us_21178859017&qad_source=1&qclid=Cj0KCQjw6uWvBhD1ARIsAIMcADqhx_LDDnOFdbJq2GD0saTTop2vRlo0OgD9dwS3yn6jEFTQ59iWa5UaAIY5EALw_wcB)

Ramses II's Long-Lost Sarcophagus Has Finally Been Identified

<https://www.smithsonianmag.com/smart-news/ramses-ii-long-lost-sarcophagus-finally-been-identified-180984441/>

## General Science

Research team introduces an agile multi-robot research platform

[https://techxplore.com/news/2024-05-team-agile-multi-robot-platform.html#google\\_vignette](https://techxplore.com/news/2024-05-team-agile-multi-robot-platform.html#google_vignette)



## Physics, Earth and Space Sciences

'Dinky' asteroid has a tiny companion that baffles astronomers

[https://www.cnn.com/2024/05/31/science/dinkinesh-selam-asteroid-binary-scn/index.html?Date=20240601&Profile=CNN%20International&utm\\_content=1717219860&utm\\_medium=social&utm\\_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR08xCYMR5v4rWfPV4zXv4XuXE6TVci85vBE7I24rTD4xbh7Au6vvUU3JhQ\\_aem\\_AaY4A3W0XU3j-CU7IA6tTlrKt-dAuTlJhwVEfNPae0BQ4Uz0K6cpqVPRtGXcB5DWRlIXKyP8b3rCnDeoY0G9jRYT](https://www.cnn.com/2024/05/31/science/dinkinesh-selam-asteroid-binary-scn/index.html?Date=20240601&Profile=CNN%20International&utm_content=1717219860&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR08xCYMR5v4rWfPV4zXv4XuXE6TVci85vBE7I24rTD4xbh7Au6vvUU3JhQ_aem_AaY4A3W0XU3j-CU7IA6tTlrKt-dAuTlJhwVEfNPae0BQ4Uz0K6cpqVPRtGXcB5DWRlIXKyP8b3rCnDeoY0G9jRYT)

A Chinese spacecraft lands on moon's far side to collect rocks in growing space rivalry with US

[https://apnews.com/article/china-space-moon-lander-446770171c61cdc27b2a307f51940300?utm\\_campaign=TrueAnthem&utm\\_medium=AP&utm\\_source=Facebook&fbclid=IwZXh0bgNhZW0CMTEAAR0bYmmg0q2B3KyPpMKACyGQwnjaAi\\_eMdC-E\\_ZniAi0Cdmspj8r5xfRdrg\\_aem\\_ATyh9cGikMh5bFG\\_9xoOvc0wrre3yUVf4uBfEhLdaQk9dGY7WEguoo4jB80Fo-7mlVT6QY5vgFJTdmNBllcuRiht](https://apnews.com/article/china-space-moon-lander-446770171c61cdc27b2a307f51940300?utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Facebook&fbclid=IwZXh0bgNhZW0CMTEAAR0bYmmg0q2B3KyPpMKACyGQwnjaAi_eMdC-E_ZniAi0Cdmspj8r5xfRdrg_aem_ATyh9cGikMh5bFG_9xoOvc0wrre3yUVf4uBfEhLdaQk9dGY7WEguoo4jB80Fo-7mlVT6QY5vgFJTdmNBllcuRiht)

Mountain building linked to major extinction event half a billion years ago

<https://phys.org/news/2024-05-mountain-linked-major-extinction-event.html>

NASA's PREFIRE mission is ready to unlock the mysteries of Earth's poles

<https://www.space.com/nasa-prefire-polar-climate-cubesats>

We take a stab at decoding SpaceX's ever-changing plans for Starship in Florida

<https://arstechnica.com/space/2024/05/we-take-a-stab-at-decoding-spacexs-ever-changing-plans-for-starship-in-florida/>

Enchanting new Hubble Telescope image reveals an infant star's sparkle

<https://www.space.com/hubble-telescope-infant-star-cloud-image>

Space Trash Signs project creates debris 'constellations' to highlight space junk problem

<https://www.space.com/space-trash-constellations-highlight-space-junk-problem>

Boeing's troubled Starliner spacecraft launch is delayed again

<https://www.npr.org/2024/05/18/1252311564/nasa-boeing-starliner-launch-delayed-international-space-station>

Researchers in Pittsburgh discover large source of lithium in Pennsylvania

[https://www.cbsnews.com/news/lithium-water-pennsylvania-research/?ftag=CNM-00-10aab6a&linkId=449616547&fbclid=IwZXh0bgNhZW0CMTEAAR1gO7faD13tzL3KdMDI2b93Yla6rP-fYhMZIJRJ-c\\_Q7SWomMqEoE53R-k\\_aem\\_Aciu3GxzSoVYakaRtaphQYEpN4allcD04MecnModiiOnYMkF9P-DSr2QRGIGJageYktGk\\_vCLgz9lzXA1Bdjoh\\_q](https://www.cbsnews.com/news/lithium-water-pennsylvania-research/?ftag=CNM-00-10aab6a&linkId=449616547&fbclid=IwZXh0bgNhZW0CMTEAAR1gO7faD13tzL3KdMDI2b93Yla6rP-fYhMZIJRJ-c_Q7SWomMqEoE53R-k_aem_Aciu3GxzSoVYakaRtaphQYEpN4allcD04MecnModiiOnYMkF9P-DSr2QRGIGJageYktGk_vCLgz9lzXA1Bdjoh_q)

Could Dyson spheres exist in our galaxy?

[https://www.nbcnews.com/now/video/could-dyson-spheres-exist-in-our-galaxy-211172933960?fbclid=IwZXh0bgNhZW0CMTEAAR3hx\\_xMtn-ua7Neetk8j7RwL2vEF3p9\\_hMpdU8yWjqY6DDyo9khH\\_p8Qgc\\_aem\\_AXV-qX3n1iDPRB-77G3gpPL88MGKwOytO4EVIjbpYyFTsn0aEpc\\_ROIpip\\_4\\_rrBAcPZV65MYeUHjlfzndfA0yAP](https://www.nbcnews.com/now/video/could-dyson-spheres-exist-in-our-galaxy-211172933960?fbclid=IwZXh0bgNhZW0CMTEAAR3hx_xMtn-ua7Neetk8j7RwL2vEF3p9_hMpdU8yWjqY6DDyo9khH_p8Qgc_aem_AXV-qX3n1iDPRB-77G3gpPL88MGKwOytO4EVIjbpYyFTsn0aEpc_ROIpip_4_rrBAcPZV65MYeUHjlfzndfA0yAP)

A New Study Reveals a Warp Drive That Actually Operates Within Known Physics

[https://www.popularmechanics.com/space/rockets/a60746821/warp-drive-within-known-physics/?utm\\_campaign=trueanthemFBPOP&utm\\_medium=social&utm\\_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR2orepwPCLaXfRnX6EQYrf7RCftgOnKJotDgscsmguAIBpj0-9WC4GRZGM\\_aem\\_ARSR4jL6vMvA0JJsYSEeuTyuuu\\_dIVNsU2Vb4Y4xwLDbddC2k7oE4rGO6hNQydadt\\_Go0QT6aOCLWg\\_xUZQdk4W](https://www.popularmechanics.com/space/rockets/a60746821/warp-drive-within-known-physics/?utm_campaign=trueanthemFBPOP&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR2orepwPCLaXfRnX6EQYrf7RCftgOnKJotDgscsmguAIBpj0-9WC4GRZGM_aem_ARSR4jL6vMvA0JJsYSEeuTyuuu_dIVNsU2Vb4Y4xwLDbddC2k7oE4rGO6hNQydadt_Go0QT6aOCLWg_xUZQdk4W)

Recent and extensive volcanism discovered on Venus

[https://phys.org/news/2024-05-extensive-volcanism-venus.html?fbclid=IwZXh0bgNhZW0CMTEAAR0SBFgMEA2zZMIDFjRXV-Kf\\_Orq0x5a6YlX5eCKiJDQd4m1uIUlutqm7FU\\_aem\\_AfqsFuwMXQE5acZ5ryL5MtJPdPdyMULxYdUMFfoaSOocSLd-IPsYHcWsb1VIQ6eApDd1laxvfAxiX2Ve9padf0qz](https://phys.org/news/2024-05-extensive-volcanism-venus.html?fbclid=IwZXh0bgNhZW0CMTEAAR0SBFgMEA2zZMIDFjRXV-Kf_Orq0x5a6YlX5eCKiJDQd4m1uIUlutqm7FU_aem_AfqsFuwMXQE5acZ5ryL5MtJPdPdyMULxYdUMFfoaSOocSLd-IPsYHcWsb1VIQ6eApDd1laxvfAxiX2Ve9padf0qz)

At age 90, America's first Black astronaut candidate has finally made it to space

<https://www.npr.org/2024/05/19/1252354052/blue-origin-rocket-ed-dwight-astronaut?sc=18&f=1001>

Medium and mighty: Intermediate-mass black holes can survive in globular clusters

<https://www.eurekalert.org/news-releases/1045902>

Japan loses contact with Akatsuki, humanity's only active Venus probe

<https://www.livescience.com/space/venus/japan-loses-contact-with-akatsuki-humanitys-only-active-venus-probe>

China's secret space plane has released another unknown object over Earth

<https://www.livescience.com/space/space-exploration/chinas-secret-space-plane-has-released-another-unknown-object-over-earth>

News from 'El Gordo': Study suggests dark matter may have collisional properties after all

<https://phys.org/news/2024-05-news-el-gordo-dark-collisional.html>

Glimpses of a volcanic world: New telescope images of Jupiter's moon Io rival those from spacecraft

<https://phys.org/news/2024-05-glimpses-volcanic-world-telescope-images.html>

An outlandish molecule may be lurking inside Uranus and Neptune, affecting their magnetic fields

<https://phys.org/news/2024-05-outlandish-molecule-lurking-uranus-neptune.html>

AI helps scientists understand cosmic explosions

<https://phys.org/news/2024-05-ai-scientists-cosmic-explosions.html>

## Environment, Climate Change and Alternative Energy Sources

A Historical Glass-Enclosed Chapel Overlooking the Pacific Ocean Must Be Dismantled Before Nature Can Destroy It

[https://www.smithsonianmag.com/smart-news/california-hisoric-wayfarers-chapel-is-being-dismantled-180984392/?utm\\_medium=social&utm\\_source=facebook&utm\\_campaign=editorial&utm\\_term=5232024&utm\\_content=new&fbclid=IwZXh0bgNhZW0CMTEAAR2i-Py94GTI8DjbmjaOzXPDEM-7YHU6A6RFCvwB6-r0ffRkwhbEcNQyv0\\_aem\\_AZYLqK12gt7cRQ\\_JkP0zKw44fo1InL0L\\_DeLSpryrr11oFhnVVoExJ8SPJKq-QSGhb8qzDvuuq-6vnYJltHp2-Sh](https://www.smithsonianmag.com/smart-news/california-hisoric-wayfarers-chapel-is-being-dismantled-180984392/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=5232024&utm_content=new&fbclid=IwZXh0bgNhZW0CMTEAAR2i-Py94GTI8DjbmjaOzXPDEM-7YHU6A6RFCvwB6-r0ffRkwhbEcNQyv0_aem_AZYLqK12gt7cRQ_JkP0zKw44fo1InL0L_DeLSpryrr11oFhnVVoExJ8SPJKq-QSGhb8qzDvuuq-6vnYJltHp2-Sh)

Big brands 'failing to curb plastic sachet use'

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Toyota shows 'an engine reborn' with green fuel despite global push for battery electric cars

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New method makes hydrogen from solar power and agricultural waste

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The 165-year reign of oil is coming to an end. But will we ever be able to live without it?

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Solar power generated enough heat to power a steel furnace

<https://www.livescience.com/planet-earth/solar-power-generated-enough-heat-to-power-a-steel-furnace>

Mussels downstream of wastewater treatment plant contain radium, study reports

<https://phys.org/news/2024-05-mussels-downstream-wastewater-treatment-radium.html>

## Biological, Genetics and Medical Sciences

Bilingual AI brain implant helps stroke survivor communicate in Spanish and English

<https://www.nbcnews.com/news/latino/bilingual-ai-brain-implant-spanish-english-stroke-patient-rcna154295>

Trout in mine-polluted rivers are genetically 'isolated'

<https://www.eurekalert.org/news-releases/1046153>

New coral disease forecasting system led by University of Hawai'i team

<https://www.eurekalert.org/news-releases/1046627>

This tiny fern has the largest genome of any organism on Earth

[https://phys.org/news/2024-05-tiny-fern-largest-genome-earth.html#google\\_vignette](https://phys.org/news/2024-05-tiny-fern-largest-genome-earth.html#google_vignette)

## Other

Hollow Earth: A Journey Through 3 Centuries of Conspiracy Theory

[https://www.discovermagazine.com/the-sciences/hollow-earth-a-journey-through-3-centuries-of-conspiracy-theory?utm\\_campaign=organicsocial&utm\\_content=join\\_us\\_on\\_a\\_journey\\_thro&utm\\_medium=social&utm\\_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR2MvpYI6t33aXqmKxjbGXhGT2NM7gyO9jy6AjJSQ5sF12rOmzezJjvsn9k\\_aem\\_AbKrDdKu5WNrT3UDCtKNT2USHfK57apM6nq3R0hYlfo2kJZqt5RRQvy2m4FFIOJqE2eOd5\\_onSMXMoL43G9rSSnF](https://www.discovermagazine.com/the-sciences/hollow-earth-a-journey-through-3-centuries-of-conspiracy-theory?utm_campaign=organicsocial&utm_content=join_us_on_a_journey_thro&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR2MvpYI6t33aXqmKxjbGXhGT2NM7gyO9jy6AjJSQ5sF12rOmzezJjvsn9k_aem_AbKrDdKu5WNrT3UDCtKNT2USHfK57apM6nq3R0hYlfo2kJZqt5RRQvy2m4FFIOJqE2eOd5_onSMXMoL43G9rSSnF)

What it's really like to live in Antarctica

[https://www.cnn.com/travel/what-its-really-like-to-live-in-antarctica-intl-hnk/index.html?Date=20240523&Profile=CNN&utm\\_content=1716451208&utm\\_medium=social&utm\\_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR2y2MpgMI\\_gn23-Z2kBbzLagRVbj0HxQ46npjU7IUU88bl\\_RMUKnxP6zDE\\_aem\\_AdBHx4gbK\\_TrxbCze2d0IMn\\_ucPOS6DWqcY1nmungFq7re1DFBAscLvqblzFZpXE\\_tprQzj6W-TyeILGBGRI](https://www.cnn.com/travel/what-its-really-like-to-live-in-antarctica-intl-hnk/index.html?Date=20240523&Profile=CNN&utm_content=1716451208&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR2y2MpgMI_gn23-Z2kBbzLagRVbj0HxQ46npjU7IUU88bl_RMUKnxP6zDE_aem_AdBHx4gbK_TrxbCze2d0IMn_ucPOS6DWqcY1nmungFq7re1DFBAscLvqblzFZpXE_tprQzj6W-TyeILGBGRI)

## Additional Informational

A Tunguska sized airburst destroyed Tall el-Hammam a Middle Bronze Age city in the Jordan Valley near the Dead Sea

<https://www.nature.com/articles/s41598-021-97778-3.pdf>

Secretary Haaland Highlights Locally and Tribally Led Conservation Efforts in Southern California

<https://www.doi.gov/pressreleases/secretary-haaland-highlights-locally-and-tribally-led-conservation-efforts-southern>

NASA's TESS Finds Intriguing World Sized Between Earth, Venus

<https://science.nasa.gov/universe/exoplanets/nasas-tess-finds-intriguing-world-sized-between-earth-venus/>

ESA's Solar Orbiter traces solar wind to its source

[https://www.esa.int/Science\\_Exploration/Space\\_Science/Solar\\_Orbiter/ESA\\_s\\_Solar\\_Orbiter\\_traces\\_solar\\_wind\\_to\\_its\\_source](https://www.esa.int/Science_Exploration/Space_Science/Solar_Orbiter/ESA_s_Solar_Orbiter_traces_solar_wind_to_its_source)

International Science Council Newsletter

<https://us5.campaign-archive.com/?e=725b365f54&u=2e9b648776114e2888e7ea8c5&id=57b272dc36>

Archaeologists uncover new evidence for prehistoric comet

[https://sc.edu/study/colleges\\_schools/artsandsciences/about/news/2024/archaeologists\\_uncover\\_new\\_evidence\\_for\\_prehistoric\\_comet.php?fbclid=IwZXh0bgNhZW0CMTEAAR2rGSBC7agxZkGze0c3yNEQmxyWBgXa3mih4yrZ5g0Mauk8x6BeHTE3X10\\_aem\\_ASXlofXN1NZDJ03kq34NcZoN\\_UkEmbidyUMv2hEk14bQsgApIWkZzhk9RM5MjiBC4EKVYhOhsVMVIDAwJsfy\\_GLSS](https://sc.edu/study/colleges_schools/artsandsciences/about/news/2024/archaeologists_uncover_new_evidence_for_prehistoric_comet.php?fbclid=IwZXh0bgNhZW0CMTEAAR2rGSBC7agxZkGze0c3yNEQmxyWBgXa3mih4yrZ5g0Mauk8x6BeHTE3X10_aem_ASXlofXN1NZDJ03kq34NcZoN_UkEmbidyUMv2hEk14bQsgApIWkZzhk9RM5MjiBC4EKVYhOhsVMVIDAwJsfy_GLSS)

NASA to Measure Moonquakes With Help From InSight Mars Mission

[https://www.jpl.nasa.gov/news/nasa-to-measure-moonquakes-with-help-from-insight-mars-mission?fbclid=IwZXh0bgNhZW0CMTEAAR3E70IFwK9EPgiBjSyPGLyaYKCHI3CJ4glgNrNcCdQtyBg7BAbINkxf0\\_aem\\_AYhOnZ568A3F91RF5HWtrkGcfn490uL9CyV8YYXzqtiiC-uOC\\_mBaXoRDgR6d5OFRWj92ta011EzILLgbDT8A90X](https://www.jpl.nasa.gov/news/nasa-to-measure-moonquakes-with-help-from-insight-mars-mission?fbclid=IwZXh0bgNhZW0CMTEAAR3E70IFwK9EPgiBjSyPGLyaYKCHI3CJ4glgNrNcCdQtyBg7BAbINkxf0_aem_AYhOnZ568A3F91RF5HWtrkGcfn490uL9CyV8YYXzqtiiC-uOC_mBaXoRDgR6d5OFRWj92ta011EzILLgbDT8A90X)

NASA's Juno Provides High-Definition Views of Europa's Icy Shell

<https://www.nasa.gov/missions/juno/nasas-juno-provides-high-definition-views-of-europas-icy-shell/>

Scientists meet southern African farmers amid drought: "We will harvest absolutely nothing"

<https://reliefweb.int/blogpost/scientists-meet-southern-african-farmers-amid-drought-we-will-harvest-absolutely-nothing>

NASA's Psyche Fires Up Its Sci-Fi-Worthy Thrusters

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