

Weekly Science Report

June 5, 2026

“Planet Earth: You Are a Crew”

Christina Koch

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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

New insights into how the human hand evolved from our ape-like ancestors

<https://phys.org/news/2026-05-insights-human-evolved-ape-ancestors.html>

Complex animals evolved up to 10 million years earlier than previously thought, fossil discovery shows

<https://www.livescience.com/planet-earth/evolution/complex-animals-evolved-up-to-10-million-years-earlier-than-previously-thought-fossil-discovery-shows>

Stunning 150-million-year-old stegosaur skull rewrites dinosaur evolution

https://www.sciencedaily.com/releases/2026/05/260515233340.htm#google_vignette

Archaeologists reveal wooden secret beneath ancient stone island

<https://www.bbc.com/news/articles/c0e2w31wedqo>

Evidence of Ancient Life Found Buried Under an Asteroid Crater

<https://www.sciencealert.com/evidence-of-ancient-life-found-buried-under-an-asteroid-crater>

The first signs of human cremation may date back 100,000 years

<https://phys.org/news/2026-05-human-cremation-date-years.html>

Thirty years at El Mirón cave uncover 40,000 years of Iberian prehistory

https://phys.org/news/2026-06-years-el-mirn-cave-uncover.html#google_vignette

A Century After Causing Controversy, Red Cave Markings in Wales Are Classified Again as Britain's Oldest Rock Art

<https://www.smithsonianmag.com/smart-news/a-century-after-causing-controversy-red-cave-markings-in-wales-are-classified-again-as-britains-oldest-rock-art-180988879/>

'It was very very good': Ötzi the Iceman's body is covered in ancient yeast — and scientists just used it to make a sourdough

<https://www.livescience.com/archaeology/it-was-very-very-good-otzi-the-icemans-body-is-covered-in-ancient-yeast-and-scientists-just-used-it-to-make-a-sourdough>

Ancient humans used fire nearly 1.8 million years ago, cave evidence suggests

<https://www.heritagedaily.com/2026/06/ancient-humans-used-fire-nearly-1-8-million-years-ago-cave-evidence-suggests/158261>

World's largest scorpion had 6-inch pincers, and prowled UK land and waters 415 million years ago

<https://www.livescience.com/animals/extinct-species/worlds-largest-scorpion-had-6-inch-pincers-and-prowled-uk-land-and-waters-415-million-years-ago>

Humans conquered the planet 300 times faster than genetic evolution can explain

<https://www.scientificamerican.com/article/humans-conquered-the-planet-300-times-faster-than-genetic-evolution-can-explain/>

Fossil fishes buried in the desert reveal a missing chapter in marine history

<https://theconversation.com/fossil-fishes-buried-in-the-desert-reveal-a-missing-chapter-in-marine-history-284260>

New Velociraptor cousin was a '4-winged' dragon that hunted prey from the trees of ancient China, fossil find hints

<https://www.livescience.com/animals/dinosaurs/new-velociraptor-cousin-was-a-4-winged-dragon-that-hunted-prey-from-the-trees-of-ancient-china-fossil-find-hints>

Scientists hung onto woolly mammoth fossils for 70 years — then discovered a huge mistake: 'Something was amiss'

<https://nypost.com/2026/05/27/science/scientists-hung-onto-woolly-mammoth-fossils-for-70-years-then-discovered-a-huge-mistake-something-was-amiss/>

History

Irish researchers find oldest English-language poem in forgotten medieval book in Rome
<https://www.cbsnews.com/news/researchers-ireland-uncover-oldest-english-poem-forgotten-medieval-book-rome/>

UCLA completes archive on auctioned stolen Armenian properties
<https://armenianweekly.com/2026/05/12/ucla-completes-archive-on-auctioned-stolen-armenian-properties/>

How the Library of Congress packed 250 years of U.S. history into a vial the size of a quarter
<https://www.fastcompany.com/91549023/library-of-congress-synthetic-data-vial>

This Jewish Community in the Caribbean Smuggled Gunpowder to the Patriots During the Revolution. A British Admiral Condemned the Island as a 'Nest of Vipers'
<https://www.smithsonianmag.com/history/this-jewish-community-in-the-caribbean-smuggled-gunpowder-to-the-patriots-during-the-revolution-a-british-admiral-condemned-the-island-as-a-nest-of-vipers-180988740/>

How a 4,000-year-old city defied history's 'rules' by becoming more equal as it became more successful
https://phys.org/news/2026-05-year-city-defied-history-equal.html#google_vignette

Toxic plant on Ming dynasty-era surgical tools may be world's oldest chemical evidence of topical anesthetic
<https://www.livescience.com/archaeology/ancient-china/toxic-plant-on-ming-dynasty-era-surgical-tools-may-be-worlds-oldest-chemical-evidence-of-topical-anesthetic>

Spectacular archaeological finds in Turkey shed new light on origins of Christianity
<https://www.independent.co.uk/news/science/archaeology/turkey-christianity-jesus-picture-iznik-archaeology-b2986393.html>

The Unexpected World of the Odyssey
<https://archaeology.org/collection/the-unexpected-world-of-the-odyssey/>

Ona Judge Escaped From Slavery While George Washington Was Busy Eating Dinner Inside. Now, a New Mural Honors Her Legacy
<https://www.smithsonianmag.com/smart-news/ona-judge-escaped-from-slavery-while-george-washington-was-eating-dinner-inside-now-new-mural-honors-her-legacy-180988851/>

During the Revolution, American Women Fought for Freedom, Spied on the British, Cared for the Sick and Fell in Love. A New Exhibition Reveals Their Rich Wartime Stories
<https://www.smithsonianmag.com/history/during-the-revolution-american-women-fought-for-freedom-spied-on-the-british-cared-for-the-sick-and-fell-in-love-a-new-exhibition-reveals-their-rich-wartime-stories-180988887/>

Archaeology

Voices: GOP leaders say local interests were ignored in the Grand Staircase-Escalante planning process. That's not what I saw.

<https://www.sitrib.com/opinion/commentary/2026/05/19/voices-grand-staircase-escalante/>

After a year-long rebuild, historic War of 1812 ship heads home to Lake Erie

<https://www.npr.org/2026/05/16/nx-s1-5821141/niagara-ship-erie-maine-1812>

Scientists Uncover an "Alien" Metal Hidden in a 3,000-Year-Old Year-Old Treasure Stash

<https://dailygalaxy.com/2026/05/space-metal-bronze-age-hoard-villena-spain/>

Focus turns to Quitobaquito Springs after sacred site damage along border

<https://www.kgun9.com/border-watch/focus-turns-to-quitobaquito-springs-after-sacred-site-damage-along-border>

Sacrificed teens discovered in ancient Mesopotamian burial site

<https://www.popsci.com/science/mesopotamia-teen-sacrifices/>

1,200-year-old giant 'death jar' in Laos contains generations of human skeletons

<https://www.livescience.com/archaeology/1-200-year-old-giant-death-jar-in-laos-contains-generations-of-human-skeletons>

Scientists Uncover Evidence That a Man Buried in Finland Crossed the North Atlantic Centuries Ago

<https://www.sciencenewstoday.org/scientists-uncover-evidence-that-a-man-buried-in-finland-crossed-the-north-atlantic-centuries-ago>

Archaeologists Excavating a Monastery in Spain Identified the Remains of a 14th-Century Queen—and Multiple Skeletons Buried in the Wrong Graves

<https://www.smithsonianmag.com/smart-news/archaeologists-excavating-a-monastery-in-spain-identified-the-remains-of-a-14th-century-queen-and-multiple-skeletons-buried-in-the-wrong-graves-180988877/>

Under Notre Dame cathedral, a 'dig of the century' unearths 1,700 years of history

https://phys.org/news/2026-06-notre-dame-cathedral-century-unearths.html#google_vignette

Italian teenagers discover 1,800-year-old Roman luxury house underneath their high school gym

<https://www.livescience.com/archaeology/romans/italian-teenagers-discover-1-800-year-old-roman-luxury-house-underneath-their-high-school-gym>

First shipwrecks linked to real pirates of the Caribbean found in Bahamas

<https://www.livescience.com/archaeology/first-shipwrecks-linked-to-real-pirates-of-the-caribbean-found-in-bahamas>

Inside Africa's Houses of Stone

<https://archaeology.org/issues/july-august-2026/features/inside-africas-houses-of-stone/>

Possible Early Saw Technology Uncovered in Japan

<https://archaeology.org/news/2026/06/05/possible-early-saw-technology-uncovered-in-japan/>

The Amazon's 'lost city' has been widely misunderstood. This is its true story

<https://www.bbc.com/future/article/20260529-the-real-story-of-the-amazons-lost-city>

Egyptology

The Mystery of the Golden Coffin

https://www.theatlantic.com/culture/2026/05/serop-simonian-egypt-theft-artifacts/686591/?gift=seTlBv7R-dGg0q0c4Fvv7QoiszNOV66EHiqPmpQWmy4&utm_source=copy-link&utm_medium=social&utm_campaign=share

One mystery of the Great Pyramid's longevity has finally been solved

<https://www.sciencenews.org/article/egypt-great-pyramid-mystery-earthquake>

Egypt's First Queen

<https://archaeology.org/issues/july-august-2026/features/egypts-first-queen/>

Ancient Egyptian Capital City Investigated

<https://archaeology.org/news/2026/06/05/ancient-egyptian-capital-city-investigated/>

General Science

Why AI cannot do good science without humans

<https://www.nature.com/articles/d41586-026-01551-3>

Researchers say the Trump administration is finding new ways to punish science

<https://www.npr.org/2026/05/21/nx-s1-5828768/science-funding-cuts-nih-trump-administration>

Physics, Earth and Space Sciences

Scientists find a hidden route to the moon that saves fuel

<https://www.space.com/astronomy/moon/scientists-find-a-hidden-route-to-the-moon-that-saves-fuel>

Scientists just solved a tricky asteroid-hopping spacecraft riddle

<https://www.space.com/space-exploration/asteroid-comet-missions/scientists-just-solved-a-tricky-asteroid-hopping-spacecraft-riddle>

After 10 years of upgrades, this legendary telescope has returned to chase black holes, asteroids and cosmic chemistry

<https://phys.org/news/2026-05-years-legendary-telescope-black-holes.html>

The Sun Blasted a Mysterious Radio Signal for 19 Straight Days. Here's What We Know

<https://gizmodo.com/nasa-tracked-the-suns-record-breaking-radio-burst-which-lasting-for-19-days-2000760013>

Space physiology and technology: Adaptations, countermeasures, and opportunities for wearable systems

<https://www.eurekalert.org/news-releases/1128096>

Physicists confirm 'negative time' is real by asking the atoms themselves

<https://www.livescience.com/physics-mathematics/quantum-physics/physicists-confirm-negative-time-is-real-by-asking-the-atoms-themselves>

Neptunian moon Nereid could be lone intact survivor from ancient satellite system

<https://edition.cnn.com/2026/05/20/science/neptune-moon-nereid-survivor>

Isaacman expects Chinese crewed mission around the moon in 2027

<https://spacenews.com/isaacman-expects-chinese-crewed-mission-around-the-moon-in-2027/>

Falling space debris poses an escalating risk as spacecraft get stronger and more heat resistant

<https://theconversation.com/falling-space-debris-poses-an-escalating-risk-as-spacecraft-get-stronger-and-more-heat-resistant-279077>

SpaceX Starlink and other satellite megaconstellations are creating an 'unregulated geoengineering experiment', scientists say

<https://www.space.com/space-exploration/satellites/spacex-starlink-and-other-satellite-megaconstellations-are-creating-an-unregulated-geoengineering-experiment-scientists-say>

An asteroid discovered days ago will narrowly miss Earth

<https://www.cnn.com/2026/05/18/science/asteroid-earth-close-pass>

NASA Awards Initial Moon Base Rover and Lander Contracts

<https://spacepolicyonline.com/news/nasa-awards-initial-moon-base-rover-and-lander-contracts/>

Blue Origin investigates rocket explosion as public is warned about possible wreckage washing ashore

<https://apnews.com/article/blue-origin-new-glenn-rocket-explosion-a69e249784c277b0d08ac8c246b21a6d>

Some 'extinct' volcanoes may just be going through a growth spurt, before they 'wake up in this catastrophic stage,' emerging research suggests
<https://www.livescience.com/planet-earth/volcanoes/some-extinct-volcanoes-may-just-be-going-through-a-growth-spurt-before-they-wake-up-in-this-catastrophic-stage-emerging-research-suggests>

NASA astronauts briefly shelter in 'safe haven' procedure following worsening leaks on International Space Station
<https://www.livescience.com/space/space-exploration/nasa-astronauts-briefly-shelter-in-safe-haven-procedure-following-worsening-leaks-on-international-space-station>

Solar sails edge closer to reality, but interstellar travel is another story
<https://phys.org/news/2026-06-solar-edge-closer-reality-interstellar.html>

This Clever New Engine Could Send Briefcase-Size Spacecraft to Mars
<https://gizmodo.com/this-clever-new-engine-could-send-briefcase-size-spacecraft-to-mars-2000767171>

James Webb telescope detects most distant dormant black hole, invisible in all wavelengths and weighing as much as 6 billion suns
<https://www.livescience.com/space/black-holes/james-webb-telescope-detects-most-distant-dormant-black-hole-in-the-universe-invisible-in-all-wavelengths-of-light>

'Astonishing': James Webb telescope spots the most chemically primitive galaxy in the ancient universe
<https://www.livescience.com/space/astronomy/astonishing-james-webb-telescope-spots-the-most-chemically-primitive-galaxy-in-the-ancient-universe>

Mysterious signals keep coming from space. We have found their 'Rosetta stone'
<https://theconversation.com/mysterious-signals-keep-coming-from-space-we-have-found-their-rosetta-stone-281753>

Environment, Climate Change and Alternative Energy Sources

Denver has a plan to heat and cool buildings without fossil fuels. It involves ... sewage?

<https://www.npr.org/2026/05/20/nx-s1-5734477/denver-geothermal-network-sewage>

In conservative Utah, some communities are ditching fossil fuel power for clean energy

<https://www.npr.org/2026/05/19/nx-s1-5734480/renewable-energy-utah>

Montana tribes combine traditional knowledge and Western science in climate plan

<https://www.npr.org/2026/05/18/nx-s1-5734484/trump-montana-climate-change-indigenous-tribes-wildfires>

Easily overlooked small wetlands are a big source of global methane

<https://www.eurekalert.org/news-releases/1130973>

Scientists discover a quantum effect that could eliminate batteries

<https://www.sciencedaily.com/releases/2026/06/260603023917.htm>

Biological, Genetics and Medical Sciences

The brain's code seems to be in constant flux. Neuroscientists are baffled

<https://www.nature.com/articles/d41586-026-01554-0>

Rare seals hide in bubble caves to escape tourist attention

<https://oceanographicmagazine.com/news/rare-seals-hide-in-bubble-caves-to-escape-tourist-attention/>

Millions of Bees Have Thrived Under a New York Cemetery for More Than a Century

https://www.wired.com/story/millions-of-bees-have-thrived-under-a-new-york-cemetery-for-more-than-a-century/?utm_source=nl&utm_brand=wired&utm_mailing=WIR_Daily_053026&utm_campaign=a-ud-dev&utm_medium=email&utm_content=WIR_Daily_053026&bxid=5bd6790424c17c1048020acb&cndid=41291302&hasha=3ed15b3d4270f52ce4da5de4e5031836&hashc=74eb9308055fd2296514323600108b997526be68a69044cf3fc1e2fbb0496447&esrc=twitter-newsletter-c&utm_term=WIR_Daily_Active

Nutritional stress and warming seas threaten Hawai'i's last false killer whales

<https://www.eurekalert.org/news-releases/1131000>

Three landmark studies highlight expanded benefits of kidney drug finerenone

<https://www.eurekalert.org/news-releases/1130745>

New 'universal vaccine' technology could protect us from future virus outbreaks

<https://www.eurekalert.org/news-releases/1130939>

Scientists race to collect the last seeds from a critically endangered tree before it goes extinct

<https://www.livescience.com/planet-earth/scientists-race-to-collect-the-last-seeds-from-a-critically-endangered-tree-before-it-goes-extinct>

This is how we found 'The Heaven Sword,' East Asia's tallest tree after years of looking

<https://www.eurekalert.org/news-releases/1128761>

A New Species of Tiny Octopus Was Discovered in the Galápagos Islands

https://www.wired.com/story/a-new-species-of-tiny-octopus-was-discovered-in-the-galapagos-islands/?utm_source=nl&utm_brand=wired&utm_mailing=WIR_Daily_060626&utm_campaign=aud-dev&utm_medium=email&utm_content=WIR_Daily_060626&bxid=5bd6790424c17c1048020acb&cndid=41291302&hasha=3ed15b3d4270f52ce4da5de4e5031836&hashc=74eb9308055fd2296514323600108b997526be68a69044cf3fc1e2fbb0496447&esrc=twitter-newsletter-c&utm_term=WIR_Daily_Active

Promising new treatment for pancreatic cancer doubles survival rates

https://www.pbs.org/newshour/show/promising-new-treatment-for-pancreatic-cancer-doubles-survival-rates?utm_campaign=newshour&utm_source=facebook&utm_medium=pbsofficial&utm_content=1780426292

Other

Pentagon releases new batch of UFO files

https://thehill.com/policy/defense/5891821-pentagon-second-batch-ufo-files-release/?fbclid=IwY2xjawR-v8VleHRuA2FibQIxMABicmlkETEyNjl3NlVDS0RHdEtiUWJWc3J0YwZhcHBfaWQQMjlyMDM5MTc4ODIwMDg5MgABHpgavywxnQZ0dplqYnk_yr_02GBJX4o9mj1Ggqwer5-5Dkq54k5985evkD87_aem_E-suGAaXQ0Uhj0b70zhOXw

Disclosure Foundation releases NSA UFO documents

<https://www.newsnationnow.com/space/ufo/disclosure-foundation-nsa-ufo-documents/>

Washington archbishop removes priest as exorcist after comments on UFOs and demons

https://apnews.com/article/catholic-church-washington-archdiocese-ufos-demons-exorcism-6cb3c6d10fd1b6263b05f9bfabd85c?utm_campaign=trueAnthem_manual&utm_medium=trueAnthem&utm_source=facebook&fbclid=IwY2xjawSRL_hleHRuA2FibQIxMQBicmlkETFhZ111QXk2RnZYdTR5MUs3c3J0YwZhcHBfaWQQMjlyMDM5MTc4ODIwMDg5MgABHg4qDAy8staMRcp_twNHESxb3CW87ahew7uREgah2LNuLZllqRUoWQZR4gmJ_aem_giT70VWlJqG-RHHUZdTiMA

Additional Informational

Why Museums Matter More Than Ever

<https://www.artsentry.com/museums-matter-more-than-ever/>

Museum of Looted Antiquities, Neo-Assyrian Gold Earrings

<https://mola.omeka.net/items/show/1971>

NASA, Industry Prepare Cryogenic Fuel Technology Demo

<https://www.nasa.gov/directorates/stmd/tech-demo-missions-program/cryogenic-fluid-management-cfm/nasa-industry-prepare-cryogenic-fuel-technology-demo/>

A critical initialization for biological neural networks

<https://www.nature.com/articles/s41586-026-10528-1>

Early fossil eukaryotes were benthic aerobes

<https://www.nature.com/articles/s41586-026-10533-4>

The death jar: a new mortuary tradition at the Plain of Jars, Lao PDR

<https://www.cambridge.org/core/journals/antiquity/article/death-jar-a-new-mortuary-tradition-at-the-plain-of-jars-lao-pdr/D0A49363A484C2C891205FF638A5B5E6>

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<https://mailchi.mp/b612foundation/asteroids-beyond-b612-newsletter-vol59?e=14ee0a90a4>

Holocaust Survivors and the Establishment of the State of Israel (May 14, 1948)

[https://encyclopedia.ushmm.org/content/en/article/postwar-refugee-crisis-and-the-establishment-of-the-state-of-israel?query=Israel+and+survivors?utm_medium=socialmedia&utm_source=twitter&utm_campaign=otd&utm_content=foundingofthestateofisrael\(1948\)20260514](https://encyclopedia.ushmm.org/content/en/article/postwar-refugee-crisis-and-the-establishment-of-the-state-of-israel?query=Israel+and+survivors?utm_medium=socialmedia&utm_source=twitter&utm_campaign=otd&utm_content=foundingofthestateofisrael(1948)20260514)

What would it be like to fly through Saturn's rings?

https://www.planetary.org/articles/what-would-it-be-like-to-fly-through-saturns-rings?utm_campaign=downlink&utm_medium=email&utm_source=20260529&s_src=downlink&s_subsrc=20260529

Ancient DNA reveals web of marriage and migration in Peru

<https://www.sydney.edu.au/news-opinion/news/2026/05/25/ancient-dna-reveals-web-of-marriage-and-migration-in-peru.html>

High-fidelity modular skeletons authenticate a Cambrian origin for Bryozoa

<https://www.nature.com/articles/s41586-026-10590-9>

Relativistic electron acceleration at the bow shock of Jupiter and beyond

<https://www.nature.com/articles/s41586-026-10473-z>

NASA Finds New Way Earth May Have Received Elements Needed for Life

<https://science.nasa.gov/science-research/planetary-science/astrobiology/nasa-finds-new-way-earth-may-have-received-elements-needed-for-life/>

NASA Says Farewell to MAVEN Mars Mission, Hosts Media Call Today

<https://www.nasa.gov/news-release/nasa-says-farewell-to-maven-mars-mission-hosts-media-call-today/>

International Science Council Newsletter

[https://us5.campaign-
archive.com/?e=725b365f54&u=2e9b648776114e2888e7ea8c5&id=b73c68f2b0](https://us5.campaign-archive.com/?e=725b365f54&u=2e9b648776114e2888e7ea8c5&id=b73c68f2b0)