

Weekly Science Report

October 4, 2024

“Be careful when you fight the monsters, lest you become one.”

Friedrich Nietzsche

Table of Contents

Introduction	2
News Articles	3
Paleontology, Evolution and Prehistoric Studies	3
History	4
Archaeology.....	5
Egyptology.....	7
General Science	8
Physics, Earth and Space Sciences	9
Environment, Climate Change and Alternative Energy Sources.....	12
Biological, Genetics and Medical Sciences	13
Other	14
Additional Informational	15

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/weeklysciencertp/>
- Twitter: <https://twitter.com/wklysciencertp>

News Articles

Paleontology, Evolution and Prehistoric Studies

Cave of Swimmers: 9,000-year-old rock art of people swimming in what's now the arid Sahara

https://www.livescience.com/archaeology/9000-year-old-rock-art-of-people-swimming-in-whats-now-the-arid-sahara?utm_content=livescience&utm_medium=social&utm_source=facebook.com&utm_campaign=socialflow&fbclid=IwY2xjawFg9AFleHRuA2FibQIxMQABHW02-wAH6TsO_NyXYI4wVJ_dzGqUBAmn7N5srz_bEntUpNux_0wAKAnbw_aem_Jmi6ug4OWidlr_xWM7jC6A

Did Neanderthals wear clothes?

<https://www.livescience.com/archaeology/did-neanderthals-wear-clothes>

'Ancient Apocalypse' Season 2 Confirmed By Netflix With Keanu Reeves Set To Feature

https://deadline.com/2024/09/ancient-apocalypse-season-2-netflix-with-keanu-reeves-graham-hancock-1236092704/?fbclid=IwY2xjawFhnJdleHRuA2FibQIxMQABHYqierg-Ez10slZp7GsgqzrG0xThoGTnc69HcyR05PC7GD8U_-CISSdL3w_aem_KqiOe2YFRMjFK1HxD0uN6g&sfnsn=mo

Can the 'hard steps' in the evolutionary history of human intelligence be recast with geological thresholds?

<https://phys.org/news/2024-09-hard-evolutionary-history-human-intelligence.html>

Who was the last Neanderthal?

<https://www.livescience.com/archaeology/who-was-the-last-neanderthal>

Woolly rhino found preserved in Russian permafrost after 32,000 years

<https://www.cnn.com/2024/09/25/science/woolly-rhino-mummy-preserved-permafrost-intl-scli/index.html>

The Discovery of a 5,000-Year-Old Society in Morocco Reveals an Ancient Farming Culture

https://www.smithsonianmag.com/smart-news/the-discovery-of-a-5000-year-old-society-in-morocco-reveals-an-ancient-farming-culture-180985190/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=1032024&utm_content=new&fbclid=IwZXh0bgNhZW0CMTEAAR24cl341ofFMMoGgr-N-rbsii7weLJs9wV2OMmmij0siv_67xlyS_t0TY_aem_NmahtkFB7eKJLKWN0ZaHg&sfnsn=mo

Did we kill the Neanderthals? New research may finally answer an age-old question.

<https://www.livescience.com/archaeology/did-we-kill-the-neanderthals-new-research-may-finally-answer-an-age-old-question>

History

A centuries-old California massacre sits at the heart of a political showdown

<https://www.politico.com/news/2024/09/23/a-centuries-old-california-massacre-sits-at-the-heart-of-a-political-showdown-00180595>

Graves of Celtic princes suggest powerful role for women in ancient Germany

https://www.science.org/content/article/graves-celtic-princes-suggest-powerful-role-women-ancient-germany?utm_campaign=SciMag&utm_source=Facebook&utm_medium=ownedSocial&fbclid=IwZXh0bgNhZW0CMTEAAR0iyM8MTpz2Cq1WxfL70UjRK1szfB0_yPiI3u6rC-YdQa8A17fiYOAjrgw_aem_l1vZvJaUE5qXn2zAVnJDGA&sfnsn=mo

US justice department announces investigation into Tulsa race massacre

<https://www.theguardian.com/us-news/2024/oct/01/tulsa-race-massacre-doj-investigation>

Artefacts held in Swiss private collection return to Latin America

<https://www.swissinfo.ch/eng/culture/artefacts-held-in-swiss-private-collection-return-to-latin-america/87644401>

Ukrainian artifacts stolen by Russia appearing on black markets, Kyiv says

<https://kyivindependent.com/ukrainian-artifacts-stolen-by-russia-appear-on-black-markets-kyiv-says/>

Accept our king, our god, or else: The senseless 'requirement' Spanish colonizers used

https://phys.org/news/2024-10-king-god-senseless-requirement-spanish.html#google_vignette

Vikings May Have Run Into Indigenous Americans Before Columbus, Ivory Hints

<https://www.newsweek.com/vikings-indigenous-americans-before-columbus-ivory-archaeology-1962882>

Unexpected discovery of early sweet potato cultivation in Polynesia

<https://phys.org/news/2024-09-unexpected-discovery-early-sweet-potato.html>

Souvenir of New York: 1100 Achaemenid clay tablets returned home

<https://www.tehrantimes.com/news/504205/Souvenir-of-New-York-1100-Achaemenid-clay-tablets-returned-home>

'Secret teachings' about ritual Samurai beheading revealed in newly translated Japanese texts

<https://www.livescience.com/archaeology/secret-teachings-about-ritual-samurai-beheading-revealed-in-newly-translated-japanese-texts>

The Indigenous artists keeping ancient rock art traditions alive

<https://phys.org/news/2024-10-indigenous-artists-ancient-art-traditions.html>

Ancient DNA Revolution

<https://archaeology.org/collection/ancient-dna-revolution/>

See a Newly Uncovered Throne Room in Peru That May Have Belonged to an Ancient Queen

<https://www.smithsonianmag.com/smart-news/see-newly-uncovered-throne-room-peru-may-have-belonged-ancient-queen-180985173/>

The Real Story Behind the 'Lee' Movie and Lee Miller, the Legendary Surrealist Photographer and World War II Journalist Who Inspired It

<https://www.smithsonianmag.com/history/the-real-story-behind-the-lee-movie-and-lee-miller-the-legendary-surrealist-photographer-and-world-war-ii-journalist-who-inspired-it-180985139/>

Archaeology

The World's Oldest Solar Calendar Might Have Been Discovered in Turkey

https://www.discovermagazine.com/the-sciences/the-worlds-oldest-solar-calendar-might-have-been-discovered-in-turkey?utm_campaign=organicsocial&utm_content=20240924&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR0rBAVf3vbW9kviK3bGA7ARRuFjIRQIUxhkclINKnQwluddNvluYSj7Lh8_aem_S85uo-2GHlfgLbh695NNZw&sfnsn=mo

World's oldest cheese found on 3500-year-old Chinese mummies

https://www.newscientist.com/article/2449451-worlds-oldest-cheese-found-on-3500-year-old-chinese-mummies/?utm_medium=social&utm_campaign=echobox&utm_source=Facebook&fbclid=IwZXh0bgNhZW0CMTEAAR0luQIzM88UshlzLPibwDLkUp17cpROQIrmuVLKZtKev5aPdHGKQriYTU_aem_gsOorZVs56HkVrkhiMxuKw&sfnsn=mo#Echobox=1727276924-1

Off-Road Drivers Are Destroying Ancient Artworks Stretching Across Chile's Deserts

https://www.smithsonianmag.com/smart-news/off-road-drivers-are-destroying-ancient-artworks-stretching-across-chiles-deserts-180985155/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=9272024&utm_content=new&fbclid=IwY2xjawFjir1leHRuA2FibQIxMQABHVOI-E5jW_z8t8_Ch8rLcSQpDhVwigDs6P9hxYvglGAe8D5zoNruJRgm3Q_aem_NvLQ0USxVfKdQz_686400A

Enigmatic archaeological site in Madagascar may have been built by people with Zoroastrian origins, research suggests

https://phys.org/news/2024-09-enigmatic-archaeological-site-madagascar-built.html?fbclid=IwZXh0bgNhZW0CMTEAAR14pX9qBHrlvmHFfMBdJJEE4fAuhRa76Bz_9tZ1sz_mvXvAkRUoKVkbv1yI_aem_GFVerw9-w1pxAAlaxY6qNq&sfnsn=mo

'Knife-wielding orca' and alien-looking figures among 300 Nazca Lines discovered in groundbreaking AI study

https://www.livescience.com/archaeology/knife-wielding-orca-and-alien-looking-figures-among-300-nazca-lines-discovered-in-groundbreaking-ai-study?utm_medium=social&utm_source=facebook.com&utm_campaign=socialflow&utm_content=livescience&fbclid=IwZXh0bgNhZW0CMTEAAR3_9Jcfynox_cjoRCticUeKMncYdm0yL7maYm0Uw_wCp97CxGyLzvbUch0_aem_ceJjoOM2sqP_QcWI34zuVA&sfnsn=mo

Archaeologists unearth more than 50 Viking skeletons at huge burial site

https://www.cnn.com/2024/10/01/science/viking-burials-denmark-scli-intl?cid=ios_app

Artificial intelligence is detecting new archaeological sites in the Arabian Desert

https://arkeonews.net/artificial-intelligence-is-detecting-new-archaeological-sites-in-the-arabian-desert/#google_vignette

Skeletons Discovered in Medieval Fort May be Victims of Mongol Invaders

<https://www.newsweek.com/human-remains-found-medieval-fort-mongol-invasion-victims-archaeology-1962735>

Archaeologists shed light on the Tartessos culture's sustainable construction skills

<https://phys.org/news/2024-10-archaeologists-tartessos-culture-sustainable-skills.html>

Remains of 5,000-year-old farming society as large as ancient Troy discovered in Morocco

<https://www.livescience.com/archaeology/remains-of-5-000-year-old-farming-society-as-large-as-ancient-troy-discovered-in-morocco>

Hunting for the Lost Temple of Artemis

[https://archaeology.org/issues/september-october-2024/features/hunting-for-the-lost-temple-of-artemis/](https://archaeology.org/issues/september-october-2024/features/hunting-for-the-lost-temple-of-<u>artemis/</u>)

Sacrificial burial confirms Scythians' eastern origins

<https://phys.org/news/2024-10-sacrificial-burial-scythians-eastern.html>

Egyptology

Is the Fall Equinox the Secret to the Pyramids' Near-Perfect Alignment?

https://www.smithsonianmag.com/smart-news/fall-equinox-secret-pyramids-near-perfect-alignment-180968223/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=9232024&utm_content=archival&fbclid=IwY2xjawFeTzJleHRuA2FibQlxMQABHdLC7GiU_fp62Gaxnl2V2pEnN-7HDpnr7tB55h44sXEB6Rh5e4V0YIEZLA_aem_9UPYzcaqdguzThvmNSJGfg

4,000-Year-Old Chamber of Ancient Egyptian Governor's Daughter Unearthed in Assiut

<https://egyptianstreets.com/2024/10/03/4000-year-old-chamber-of-ancient-egyptian-governors-daughter-unearthed-in-assiut/>

General Science

Dueling robot wingmen take the stage

<https://www.defenseone.com/threats/2024/09/dueling-robot-wingmen-take-stage/399746/?oref=d1-homepage-river>

Chemists discovered the first new chemical bond in more than a decade

https://www.newscientist.com/article/2449347-chemists-discovered-the-first-new-chemical-bond-in-more-than-a-decade/?utm_medium=social&utm_campaign=echobox&utm_source=Facebook&fbclid=IwZXh0bgNhZW0CMTEAAR2XMjVdMxJwweEfrIUkR0mElyZGJ_Kn1vVfG45EuTiXSeBwLMcGzzChLU0aem_VONGCX7xCbyFPMZve5zfrQ&sfnsn=mo#Echobox=1727276796-1

OpenAI weighs shift to for-profit structure as it finalizes funding deal

https://www.axios.com/2024/09/26/openai-nonprofit-governance-shift?utm_medium=social&utm_source=facebook&utm_campaign=editorial&fbclid=IwZXh0bgNhZW0CMTEAAR3vYnNhHvxDovb8FKpKA_ijYgVXYOAFUOkGQej2rKMjpWtP8JU4-7hjQNU_aem_L0qaL_GyUGsy7PhRZUpRw&sfnsn=mo

Human genome stored inside near-indestructible '5D memory crystal' that could survive to the end of the universe

<https://www.livescience.com/technology/human-genome-memory-crystal>

Philippine research model targets 'real-world solutions'

https://www.scidev.net/global/supported-content/philippine-research-model-targets-real-world-solutions/?utm_source=SciDev.Net&utm_medium=email&utm_campaign=14672286_2024-09-23%20Weekly%20Email%20Digest%20-%20Global%20Template.%20For%20no%20topic%20preferences&dm_i=1SCG,8QH7I,V1AOM,10AQ2M,1

Physics, Earth and Space Sciences

SpaceX plans to send five uncrewed Starships to Mars in two years, Musk says

https://www.reuters.com/science/musk-says-spacex-plans-launch-about-five-uncrewed-starships-mars-two-years-2024-09-22/?utm_campaign=trueAnthem%3A+Trending+Content&utm_medium=trueAnthem&utm_source=facebook&fbclid=IwY2xjawFdnytleHRuA2FbQIxMQABHfaNHv3iQgcK-xj6Mhlp8ljaj5isjWLxMCR6coARC1THRoNgZk8Agovbw_aem_6jLgM2U198h26TKIiE-OA

The Boosters: Liftoff at Musk's SpaceX base was fueled by wheeling-dealing Texas politicians

https://www.reuters.com/investigates/special-report/spacex-texas-musk/?utm_medium=Social&utm_source=Facebook&fbclid=IwY2xjawFeR9pleHRuA2FbQIxMAABHRC6J9gSNbHJKRHeZZ0LzjXU7RUshq8tpeCLqaCfbdGw6v03MJRkOiC-nQ_aem_7HXuhkndTzyya96Wlowfsw

NASA set to launch mission to Jupiter's moon Europa in search of signs of life

https://abc7ny.com/post/nasa-set-launch-mission-jupiters-moon-europa-search-signs-life/15348126/?ex_cid=TA_WABC_FB&utm_campaign=trueAnthem%3A+Trending+Content&utm_medium=trueAnthem&utm_source=facebook&fbclid=IwY2xjawFfmk9leHRuA2FbQIxMQABHWN5eZACEctoiyZu69nFhIkIFHEL6P5O2G5RHHCS7KQCHZmOUy34sAJxEg_aem_mO6vRPvbalGUq7uW8Yd0kw

X-rays from a nuclear explosion could redirect an asteroid

https://www.space.com/asteroid-nuclear-bomb-deflection-x-rays?utm_content=space.com&utm_medium=social&utm_source=facebook.com&utm_campaign=socialflow&fbclid=IwY2xjawFfiflleHRuA2FbQIxMQABHYrUpKp_pETyeTDMMSXBvVLODXbqqAt7hH5tpnjqzVSa8BesVDCHaJqzg_aem_id07AokbjzqlZCpnbvbuTpQ

NASA's Voyager 1 probe swaps thrusters in tricky fix as it flies through interstellar space

https://www.livescience.com/space/space-exploration/nasa-s-voyager-1-probe-swaps-thrusters-in-tricky-fix-as-it-flies-through-interstellar-space?utm_source=facebook.com&utm_campaign=socialflow&utm_content=livescience&utm_medium=social&fbclid=IwY2xjawFeb49leHRuA2FbQIxMQABHRYZ2ZhFXc2e75H8Rzsa2_L2BPG2lq-8YECpF2FUumRP3NMnbzIxGqv9dg_aem_P-3cD06y6TcbA2FIKbOLfA

Titan implosion was "expected by everyone who had access to a little bit of information," submersible pilot says

https://www.cbsnews.com/news/titan-implosion-expected-submersible-pilot-testifies/?ftag=CNM-00-10aab6a&linkId=601116677&fbclid=IwY2xjawFg9DVleHRuA2FbQIxMQABHZvqU89wT5YHd_5rJQmMTNQouAvzS2Hhz1XEgIHqsMf3lo9_swwbGdwdkw_aem_DhFi_s8Jpby-JccwgQ0Cw

Aliphatic hydrocarbons on Ceres' surface found to have short lifetimes

https://phys.org/news/2024-09-aliphatic-hydrocarbons-ceres-surface-short.html?fbclid=IwY2xjawFia21leHRuA2FbQIxMQABHXIBClSaznsmXN9f4kg2EJfRuYH5T65a4LnUc_-9cmrhKnrrsLrAN2PVgg_aem_rRXs3IV8q1s69mqIBkT_LQ

A Failed Star can Form Brown Dwarf Stars, Which Host Their Own Planetary Systems

https://www.discovermagazine.com/the-sciences/a-failed-star-can-form-brown-dwarf-stars-which-host-their-own-planetary?utm_campaign=organicsocial&utm_content=20240926&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR1koHVtyTI1n8WFOTv7zgN-pEsXUrP6EwwB5ILzh7IIX9t6k8-MW8cci5w_aem_mLF2XdRoJZNi9I8Yw0fjDA&sfnsn=mo

Hopes of new physics dashed with measurement of hefty particle's mass

https://www.science.org/content/article/hopes-new-physics-dashed-measurement-hefty-particle-s-mass?utm_campaign=Science&utm_source=facebook&utm_medium=ownedSocial&fbclid=IwZXh0bgNhZW0CMTEAAR0gP2Nc87q6HZcrYS2yAL_cMiuysEDhvcVjoUsC0h0EqZIMtcBC-D_aLZ4_aem_WOiDGhhGKmUen-h-oaetTA&sfnsn=mo

'God of Chaos' asteroid Apophis could still hit Earth in 2029, study hints — but we won't know for 3 more years

https://www.livescience.com/space/asteroids/new-study-reveals-god-of-chaos-asteroid-apophis-could-still-hit-earth-in-2029-but-we-won-t-find-out-for-3-more-years?fbclid=IwY2xjawFhnOhleHRuA2FibQlxMQABHV7RxuaRNjIGAtmbagkdcnM1zkaitym8OvE_Jz0b_uHcl6UR_HHI3-ffHlg_aem_lbJI2oH7Reu5IRgpMrl6AA&sfnsn=mo

The astrophysicist who may be about to discover how the universe began

https://www.newscientist.com/article/mg26335103-400-the-astrophysicist-who-may-be-about-to-discover-how-the-universe-began/?utm_term=Autofeed&utm_campaign=echobox&utm_medium=social&utm_source=Facebook&fbclid=IwZXh0bgNhZW0CMTEAAR2pGP1N_XothSy4fgtaPIHxm22CnTmwAf243YTicf9ia82Mt3Ztuvum758_aem_5ujWAFwYOzQDiTReCOOYpQ&sfnsn=mo#Echobox=1727108307

SpaceX's Starlink Satellites Are Leaking More Radio Waves Than Ever

https://www.sciencealert.com/spacexs-starlink-satellites-are-leaking-more-radio-waves-than-ever?fbclid=IwY2xjawFhnf1leHRuA2FibQlxMQABHRpEhGVojyIr4wjES3wCebW461b-h7KYy8LTEI6dww4aSTcGW6CkL992xg_aem_hoQz_tUCvzuuPwl7bSb8BQ&sfnsn=mo

Interstellar Travel Is Possible If We Break Into a Higher Dimension, Scientists Say

https://www.popularmechanics.com/space/deep-space/a62175728/interstellar-travel-wormholes/?utm_campaign=trueanthemFBPOP&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR1NyYGyBKSzIK9LuS-zZJqmcfwGw0FvWyhx7Vhpn_w982O5HXCUv9YGAVc_aem_FgbOBvgHYZvb34HSizQtOw&sfnsn=mo

NASA, South Korea plan mission to unexplored region of deep space

<https://www.space.com/nasa-south-korea-lagrange-point-4-mission>

Where did Mars' atmosphere go? Scientists say it may be 'hiding in plain sight'

<https://www.space.com/mars-missing-atmosphere-hiding-plain-sight-clay-methane>

Radar Catches Oddly Shaped Stadium-Sized Asteroid Zooming Past Earth

<https://gizmodo.com/radar-catches-oddly-shaped-stadium-sized-asteroid-zooming-past-earth-2000503746>

NEID Earth Twin Survey discovers its first alien world

<https://phys.org/news/2024-09-neid-earth-twin-survey-alien.html>

Hubble finds that a black hole beam promotes stellar eruptions

<https://phys.org/news/2024-09-hubble-black-hole-stellar-eruptions.html>

This exoplanet circling a dead star may mirror Earth's fate — if our planet survives a dying sun, that is

<https://www.space.com/sun-earth-future-exoplanet-dead-star>

Scientists May Have Found A Whole New Region of Our Solar System

https://www.popularmechanics.com/space/solar-system/a62325415/second-kuiper-belt/?utm_campaign=trueanthemFBPOP&utm_medium=social&utm_source=facebook&fbclid=IwY2xjawFjjhBleHRuA2FibQIxMQABHTYo0CmS2GcQQP3UQzzBy-BYGC0r_cc0mKIVJ1NVpFLDISKGhAcsh-x2iQ_aem_8X_vgfdb190Fi0phX6bOVw

Gizmodo Science Fair: A Light-Propelled Spacecraft Soars Without Fuel

<https://gizmodo.com/science-fair-lightsail2-1851396629>

Scientists discover planet orbiting closest single star to our sun

https://phys.org/news/2024-09-scientists-planet-orbiting-closest-star.html?fbclid=IwY2xjawFo3G9leHRuA2FibQIxMQABHTD2vRk8dTOoDUjcHJFhUzDIFX9ODBoaMUCAZWgQ68eTB4HjfCqbGm_SwA_aem_R79v9kaSU0pHJQP4mR49zw

Astronomers spot a possible 'future Earth' — 8 billion years into its future

<https://www.livescience.com/space/exoplanets/astronomers-spot-a-possible-future-earth-8-billion-years-into-its-future>

Five-mile asteroid impact crater below Atlantic captured in 'exquisite' detail by seismic data

https://phys.org/news/2024-10-mile-asteroid-impact-crater-atlantic.html?fbclid=IwZXh0bgNhZW0CMTEAAR3Q71nfcZyJaykuNPvW13PuebRMrDUROJGWM76zv3ih3PXNFDwJ95xcJhw_aem_fh-KYLHvk8kl7iJAMW1hUg&sfnsn=mo

Space oddity: Most distant rotating disc galaxy found

<https://www.eurekalert.org/news-releases/1060234>

Curiosity rover provides new insights into how Mars became uninhabitable

https://phys.org/news/2024-10-curiosity-rover-insights-mars-uninhabitable.html#google_vignette

Near-Earth asteroid data help probe possible fifth force in universe

<https://phys.org/news/2024-10-earth-asteroid-probe-universe.html>

Astronomers use Webb to probe a 'steam world' in the constellation Pisces

<https://phys.org/news/2024-10-astronomers-webb-probe-steam-world.html>

Environment, Climate Change and Alternative Energy Sources

Right whales and offshore wind: reflections on an uneasy coexistence

https://www.capeandislands.org/local-news/2024-09-25/right-whales-and-offshore-wind-reflections-on-an-uneasy-coexistence?utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_source=facebook.com&fbclid=IwZXh0bgNhZW0CMTEAAR1KVui535MoGtCfXtuz5iMWOv25M99XUVx1CtfrKCwf7iaGssfDiwOBGaE_aem_bRRqBW5AzryvLjLgEf-YCA&sfnsn=mo

Space startup seeks to solve solar power's daylight problem

https://www.axios.com/2024/09/25/daylight-solar-power-space-startup?utm_source=facebook&utm_medium=social&utm_campaign=editorial&fbclid=IwZXh0bgNhZW0CMTEAAR1yO3cOs27qWWHOP6jRioTdX5Ph82-DdzZwax3BMgFhBXCUIpv31Dq7pIU_aem_V5DUUpfyknIEsh1Q9QtKiMg&sfnsn=mo

Takeaways from The Associated Press' report on lost shipping containers

https://apnews.com/article/lost-shipping-containers-takeaways-oceans-06696432989ecc331743b7311053971d?utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Twitter

Special electrodes can split seawater to produce hydrogen fuel

https://www.newscientist.com/article/2448643-special-electrodes-can-split-seawater-to-produce-hydrogen-fuel/?fbclid=IwY2xjawFhnbdlHRuA2FibQIxMQABHfzSF_wiBEebBOLmvSCCtelVFruON2pPmpznhk6GidMKwvEKu29o9c-IA_aem_SJ4SASyFQRDfV-7mKC0ijg&sfnsn=mo

World's oceans close to becoming too acidic to sustain marine life, report says

<https://www.france24.com/en/live-news/20240923-world-s-oceans-near-critical-acidification-level-report>

Scientists looked at images from space to see how fast Antarctica is turning green. Here's what they found

https://www.cnn.com/2024/10/04/climate/antarctica-greening-vegetation-satellite-images/index.html?Date=20241004&Profile=CNN&utm_content=1728054038&utm_medium=social&utm_source=facebook&fbclid=IwY2xjawFtBTZleHRuA2FibQIxMQABHbxck-i5g5o0FUddKgp-8zTmaxiVjgAGh_1bKckqVxHwpDo7r9frEZm2dw_aem_4lj2PM244ZypBbm1Qw17Nw

In a climate milestone, the U.K. — 1st to harness coal power — is among 1st to quit it

<https://www.npr.org/2024/09/30/nx-s1-5133426/uk-quits-coal-climate-change>

Environmental protections account for around 10% of fish stocks on coral reefs, global study finds

<https://phys.org/news/2024-10-environmental-account-fish-stocks-coral.html>

Arctic ozone reaches record high in positive step for climate

<https://phys.org/news/2024-10-arctic-ozone-high-positive-climate.html>

Biological, Genetics and Medical Sciences

Octopuses seen hunting together with fish in rare video — and punching fish that don't cooperate
<https://www.nbcnews.com/science/science-news/octopuses-hunt-with-fish-punch-video-rcna171705>

How genetically modified crops could feed us and help safeguard nature
https://www.newscientist.com/article/mg26335100-300-how-genetically-modified-crops-could-feed-us-and-help-safeguard-nature/?utm_term=Autofeed&utm_campaign=echobox&utm_medium=social&utm_source=Facebook&fbclid=IwY2xjawFiamZleHRuA2FibQixMQABHW0qjzX-AasOnk1DHXA-iNJe7NnjiWLhbMyOoIT3PdLXBVTWh_IAMNLU3g_aem_QTqVLe0oI1F18Ndf0azy3w#Echobox=1727365949

Axolotls seem to pause their biological clocks and stop ageing
https://www.newscientist.com/article/2449128-axolotls-seem-to-pause-their-biological-clocks-and-stop-ageing/?utm_medium=social&utm_campaign=echobox&utm_source=Facebook&fbclid=IwZXh0bgNhZW0CMTEAAR3xSMvb0m04DAYolgNtpuz01FVuub7RkeuPMrUHh3Hatn1RvBZK4xCZoY0_aem_StTbb_x504_XtagSfMsQPA&sfnsn=mo#Echobox=1727251594-1

A study in mice hints at a new way to treat spinal cord injuries
https://www.sciencenews.org/article/study-treat-spinal-cord-injuries-mice?fbclid=IwZXh0bgNhZW0CMTEAAR1lxuBIWI_R7UJBBQPzr9h4m2VREq8XPuwoi_LkU_UOKWtNB043W98GTyl_aem_qdLhsJ_3Uupte5Bb44XKMw&sfnsn=mo

Mysterious orca group near Chile tracked down, revealing newly discovered hunting skills
https://phys.org/news/2024-09-mysterious-orca-group-chile-tracked.html?fbclid=IwZXh0bgNhZW0CMTEAAR23gF3cUbF0NsMdlqska5R9cl-6vCfM717_QVYRVHbBAb0z4KMxKrJvXIY_aem_erKIAhfEMbepBWcTXIOQKw&sfnsn=mo#google_vignette

Unexpected deep-sea discovery shines light on life in the twilight zone
https://phys.org/news/2024-09-unexpected-deep-sea-discovery-life.html#google_vignette

Sea robins are fish with 'the wings of a bird and multiple legs like a crab'
<https://www.cnn.com/2024/09/26/science/sea-robins-walk-taste-seafloor/index.html>

Montana rancher gets 6 months in prison for creating hybrid sheep for captive hunting
<https://www.usatoday.com/story/news/nation/2024/10/01/montana-rancher-sentenced-giant-sheep-hybrid-hunting/75463964007/>

23andMe is on the brink. What happens to all its DNA data?
<https://www.npr.org/2024/10/03/g-s1-25795/23andme-data-genetic-dna-privacy>

Harnessing natural killer T cells to advance cancer immunotherapy for solid tumors
https://medicalxpress.com/news/2024-10-harnessing-natural-killer-cells-advance.html#google_vignette

Imaging in neurosurgery patients reveals the brain's waste-clearance pathways for the first time
<https://medicalxpress.com/news/2024-10-imaging-neurosurgery-patients-reveals-brain.html>

U.S. duo wins Nobel Prize in medicine for discovery of microRNA and gene regulation breakthrough
<https://medicalxpress.com/news/2024-10-duo-nobel-prize-medicine-discovery.html>

Other

Dr. Francis Collins explores his faith and science in new book, 'The Road to Wisdom'

https://www.pbs.org/newshour/show/dr-francis-collins-explores-his-faith-and-science-in-new-book-the-road-to-wisdom?utm_campaign=newshour&utm_source=facebook&utm_medium=pbsofficial&utm_content=1727301780&fbclid=IwZXh0bgNhZW0CMTEAAR0P1A4izoSV7X1Lkv6PxZx05XZmRsq2sRdyE7n4UoAUJISRt92C6dqyK5o_aem_RFKzP9Jwjoldd2b4Cf0Htg&sfnsn=mo

The Smithsonian's New \$2.5 Billion Fundraiser Is the Largest in Its History

https://news.artnet.com/art-world/smithsonian-institution-largest-fundraiser-ever-2541879?fbclid=IwZXh0bgNhZW0CMTEAAR2z5tnrqL-PhCEjDvIJAP0cexX_L2R0vSaOWI6saFjvja5Wnelh-AvANCc_aem_ySOeXVsS5GGafBfDZQgcHQ&sfnsn=mo

Treasure hunter finally finds Golden Owl after decades

https://www.bbc.com/news/articles/cvqlkr4p578o?at_campaign_type=owned&at_ptr_name=facebook_page&at_format=link&at_campaign=Social Flow&at_bbc_team=editorial&at_link_type=web_link&at_link_id=2700858E-8184-11EF-BB53-EAC3E5BE276E&at_link_origin=BBC_News&at_medium=social&fbclid=IwZXh0bgNhZW0CMTEAAR21UrNYEhpj393hPENd092hAA6ICXM5gntNPbrZoMUeKs_V2JWP5BjvOcl_aem_WdOnttgJg7htgOY9j0Bj2w&sfnsn=mo

Bikooh Agricultural Cooperative is making a difference

https://ictnews.org/news/bikooh-agricultural-cooperative-is-making-a-difference?fbclid=IwY2xjawFriDlleHRuA2FlbQlxMQABHSZyB_yLQfSuz8Yngf0zRmZr4JWMHGuTfQdXb7QjIRj7Cd7v_mwGGIH6og_aem_wT3d_yVZCf2L9I-OkTluxQ&sfnsn=mo

Additional Informational

Recently completed geophysical survey will help protect critical infrastructure from geomagnetic storms and space weather

<https://www.usgs.gov/news/national-news-release/recently-completed-geophysical-survey-will-help-protect-critical>

Black Markets, Bad Faith, and the Illicit Trade in Ancient Artefacts

<https://www.sup.org/books/title/?id=34885>

First-ever interagency sea level rise website is live

https://www.preventionweb.net/news/first-ever-interagency-sea-level-rise-website-live?utm_source=PreventionWeb+Newsletter&utm_campaign=84bc0c8bc5-PreventionWeb+Newsletter%3A+Highlights+of+the+week&utm_medium=email&utm_term=0_b73053c1c6-84bc0c8bc5-363599758

The Metropolitan Museum of Art Announces Loan from the Republic of Yemen

<https://www.metmuseum.org/press/news/2024/yemen-loan-2024>

ICCROM and United States to partner in \$1 Million Project to Help Ukraine Safeguard its Cultural Heritage

<https://www.iccrom.org/news/iccrom-and-united-states-partner-1-million-project-help-ukraine-safeguard-its-cultural>

The Netherlands will help Ukraine protect cultural heritage

<https://uacrisis.org/en/niderlandy-dopomozhut-ukrayini-zahystyty-kulturnu-spadshhynu>

Could Europa Clipper find life?

https://www.planetary.org/articles/could-europa-clipper-find-life?utm_campaign=downlink&utm_medium=email&utm_source=20240927&s_src=downlink&s_s_ubsr=20240927

Find Exoasteroids and Peek into the Future

<https://science.nasa.gov/get-involved/citizen-science/find-exoasteroids-and-peek-into-the-future/>

Apocalypse When? No Certainty of a Milky Way -- Andromeda Collision

<https://arxiv.org/abs/2408.00064>

A sub-Earth-mass planet orbiting Barnard's star

https://www.aanda.org/articles/aa/full_html/2024/10/aa51311-24/aa51311-24.html

Interior Department Leaders Revisit Legacy of Federal Indian Boarding Schools in Pennsylvania

<https://content.govdelivery.com/accounts/USDOL/bulletins/3b989a0>