

Weekly Science Report

May 17, 2024

“As Valarie Kaur has put it, that’s not just a moral position, it’s a strategic one: only by understanding what has shaped someone’s worldview (and acknowledging their experience) can one ever hope to change it. Engagement is not endorsement. It is a source of intelligence.”

Ian Marsh

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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

Human ancestors may have hunted cave bears 300,000 years ago

https://www.science.org/content/article/human-ancestors-may-have-hunted-cave-bears-300-000-years-ago?utm_campaign=SciMag&utm_source=Facebook&utm_medium=ownedSocial&fbclid=IwZXh0bgNhZW0CMTEAAR2WY6dfbRIipYwDHM306cmRbwx4u-g78bGu5Pf845ZMotkiAIMU4Z_QLwo_aem_Aauoi0RoALYxLWxxgLWiuXcHVM3CRQU4tVPWKnSRGpRrzU2Z-xxC5JUPt2vMTxxBstPXW75cUeKNX8PJxxw7zuDR

Papua New Guineans, genetically isolated for 50,000 years, carry Denisovan genes that help their immune system, study suggests

<https://www.livescience.com/health/genetics/papua-new-guineans-genetically-isolated-for-50000-years-carry-denisovan-genes-that-help-their-immune-system-study-suggests#:~:text=Genes%20inherited%20from%20Denisovans%2C%20extinct,help%20highlanders%20live%20at%20altitude.>

Study finds paleolithic people settled in Cyprus thousands of years earlier than previously thought

<https://phys.org/news/2024-05-paleolithic-people-cyprus-thousands-years.html>

1st Americans came over in 4 different waves from Siberia, linguist argues

<https://www.livescience.com/archaeology/1st-americans-came-over-in-4-different-waves-from-siberia-linguist-argues>

Archaeologists Find Prehistoric Settlement 'Surprisingly' Survived Crisis

<https://www.newsweek.com/archaeologists-find-prehistoric-settlement-surprisingly-survived-crisis-1897147>

Scientists map the lost 'Atlantis' continent that lies off Australia

<https://www.livescience.com/archaeology/scientists-map-the-lost-atlantis-continent-that-lies-off-australia>

Meet the Stone Age Trøndelag man

<https://phys.org/news/2024-05-stone-age-trndelag.html>

Born to run? Endurance running may have evolved to help humans chase down prey

https://www.science.org/content/article/born-run-early-endurance-running--may-have-evolved-help-humans-chase-down-prey?utm_source=sfmc&utm_medium=email&utm_content=alert&utm_campaign=DailyLatestNews&et rid=344038495&et_cid=5211748

130,000-year-old Neanderthal-carved bear bone is symbolic art, study argues

<https://www.livescience.com/archaeology/130000-year-old-neanderthal-carved-bear-bone-is-symbolic-art-study-argues>

30,000 years of history reveals that hard times boost human societies' resilience

<https://www.livescience.com/human-behavior/30000-years-of-history-reveals-that-hard-times-boost-human-societies-resilience>

Study indicates Earth's earliest sea creatures drove evolution by stirring the water

https://phys.org/news/2024-05-earth-earliest-sea-creatures-drove.html#google_vignette

Humans Are Driving a New Kind of Evolution in Animals

<https://www.scientificamerican.com/article/humans-are-driving-a-new-kind-of-evolution-in-animals/>

History

Archaeologists identify the birthplace of the mysterious Yamnaya

https://www.economist.com/science-and-technology/2024/05/05/archaeologists-identify-the-birthplace-of-the-mysterious-yamnaya?utm_medium=social-media.content.np&utm_source=facebook&utm_campaign=editorial-social&utm_content=discovery.content&utm_campaign=a.io_fy2425_q1_awareness-cb-tr_prospepecting_global-global_auction_na&utm_medium=social-media.content.pd&utm_source=facebook&utm_content=discovery.content.non-subscriber.content_staticlinkad_np-120210491810000079-n-n_na-na_article_na_na_na_na&utm_term=int-currentevents-politics-trendingtopics&utm_id=120201387568270079&fbclid=IwAR35f3fsIv_tprCpmZw5PQOjVvk7S1bY0j4-M0AiaHKdhwThQ8UzrXhRdcM_aem_AWGGWmacqoUslxM3heZhG4DjU3sM8UxNY4o75nRiLcOfIluo11VgnEwGV4PCCP9Wi-fs1o-2gQW00-1j25KQ2WzQ4

Bronze Age gold stolen during museum break-in

<https://www.bbc.com/news/articles/ckmjpep7x6go>

Two Arrested at the Musée d'Orsay for Attempted Damage to Classified Property

https://www.artnews.com/art-news/news/two-arrested-for-attempted-damage-to-classified-property-at-the-musee-dorsay-1234705175/#recipient_hashed=c921e5ef91b99016f0e3fa4e8b2e394ffd152e2164ed66d858a1073b619b33b3&recipient_salt=3bc316afe38e6c6f127580f5491c3cb96fd8ed4527f4f5012cf3d09e02d8cf73

Met to return 16 Khmer relics linked to notorious artifact dealer

<https://www.icij.org/investigations/hidden-treasures/met-to-return-16-khmer-relics-linked-to-notorious-artifact-dealer/>

Facebook trade in fake relics fuels Middle East looting

https://www.thenationalnews.com/news/mena/2024/04/26/facebook-trade-in-fake-relics-fuels-middle-east-looting/?utm_source=twitter&utm_medium=socialsharebtn&related=TheNatWorld,NationalComment,LifeNationalUAE,NatSportUAE&via=TheNationalNews

How an ancient solar flare illuminated the start of the Viking Age

https://www.sciencenews.org/article/viking-age-ancient-solar-flare-trade-archaeology?fbclid=IwZXh0bgNhZW0CMTEAAR01CKLKu0AgdxaySW7MgM5GXm59utRv4zeTRR_Lm6Z9ahhxaG_RxPj54uE_aem_AasMy8mfmDG700if9Lj6afwfFfoxEkGYjTpYkkANF7vyjTfCsVGw0Sm4N2EFhtufAmQr7pVX5PGGIHkQjI_TpDuC

'Never resurfaced': 80 years after Pearl Harbor, beloved 'Cremo' buried at Arlington

<https://www.usatoday.com/story/news/nation/2024/05/16/sailor-killed-at-pearl-harbor-burial/73585952007/>

Israeli researchers map out timeline of ancient Jerusalem

https://www.jpost.com/archaeology/article-799206#google_vignette

'Brotherless Night,' an ambitious novel about Sri Lankan civil war, wins \$150K prize

<https://www.npr.org/2024/05/13/1250945116/v-v-ganeshananthan-brotherless-night-wins-carol-shields-prize?sc=18&f=1001>

Horse remains show Pagan-Christian trade networks supplied horses from overseas for the last horse sacrifices in Europe

https://phys.org/news/2024-05-horse-pagan-christian-networks-horses.html#google_vignette

Ancient scroll reveals new story of Plato's death—here's why you should be suspicious of it
<https://phys.org/news/2024-05-ancient-scroll-reveals-story-plato.html>

Heavy metals in Beethoven's hair may explain his deafness, study finds
<https://www.livescience.com/archaeology/heavy-metals-in-beethovens-hair-may-explain-his-deafness-study-finds>

Why the Wartime Rescue of the Survivors of a British Shipwreck Ended in Betrayal
<https://www.smithsonianmag.com/history/why-the-wartime-rescue-of-the-survivors-of-a-british-shipwreck-ended-in-betrayal-180984250/>

See Photos From the 1924 Mount Everest Expedition That Led to the Vanishing of Two Explorers
<https://www.smithsonianmag.com/smithsonian-institution/see-photos-from-the-1924-mount-everest-expedition-that-led-to-the-vanishing-of-two-explorers-180984328/>

How Lizzie Borden Got Away With Murder
<https://www.smithsonianmag.com/history/how-lizzie-borden-got-away-with-murder-180972707/>

Archaeology

'It was not a peaceful crossing': Hannibal's troops linked to devastating fire 2,200 years ago in Spain

<https://www.livescience.com/archaeology/romans/it-was-not-a-peaceful-crossing-hannibals-troops-linked-to-devastating-fire-2200-years-ago-in-spain>

Enigmatic Canaanite Tablet Turns Out to Be School Exercise, Israeli Researchers Say

<https://www.haaretz.com/archaeology/2024-05-16/ty-article/enigmatic-canaanite-tablet-turns-out-to-be-school-exercise-israeli-researchers-say/0000018f-7b85-df8f-a78f-ffdd85dd0000>

A devastating fire 2,200 years ago preserved a moment of life and war in Iron Age Spain, down to a single gold earring

<https://phys.org/news/2024-05-devastating-years-moment-life-war.html>

Assyriologist claims to have solved archaeological mystery from 700 BC

<https://phys.org/news/2024-05-assyriologist-archaeological-mystery-bc.html>

Neolithic site in Orkney to be reburied after 20 years of excavation

<https://www.theguardian.com/science/article/2024/may/11/orkney-ness-of-brodgar-neolithic-site-reburied-after-excavation>

Study reveals the dietary practices of the agropastoral communities of the northeast Iberian Peninsula

https://phys.org/news/2024-05-reveals-dietary-agropastoral-communities-northeast.html#google_vignette

Archaeologists excavate medieval timber hall at historic Skipsea site

<https://phys.org/news/2024-05-archaeologists-excavate-medieval-timber-hall.html>

Giant Jars in Small Ancient Town in Israel Puzzle Archaeologists

<https://www.haaretz.com/archaeology/2024-05-15/ty-article-magazine/giant-jars-in-small-ancient-town-in-israel-puzzle-archaeologists/0000018f-7b7b-dd4f-ab8f-fff331a0000>

Korea's City of Daggers

<https://www.archaeology.org/issues/550-2405/features/12284-korea-gojoseon-kingdom-capital>

Egyptology

Near the Giza Pyramids, Archaeologists Identify a Newly Discovered Ancient Egyptian Structure
<https://www.artnews.com/art-news/news/giza-pyramids-new-ancient-egyptian-structure-discovered-1234706378/>

Archaeologists Discover Ancient Egyptian Pharaoh's Fortified Royal Retreat
<https://www.newsweek.com/archaeologists-discover-ancient-egyptian-pharaoh-fortified-royal-retreat-1897225>

See stunning reconstruction of ancient Egyptian mummy that languished at an Australian high school for a century
<https://www.livescience.com/archaeology/ancient-egyptians/see-stunning-reconstruction-of-ancient-egyptian-mummy-that-languished-at-an-australian-high-school-for-a-century>

Radiocarbon dating shows that the Roman settlement of Karanis survived in Egypt until the Arab Conquest in the 7th century AD
https://arkeonews.net/radiocarbon-dating-shows-that-the-roman-settlement-of-karanis-survived-in-egypt-until-the-arab-conquest-in-the-7th-century-ad/#google_vignette

General Science

An Autonomous Logging Machine Could Make Forestry Safer

https://www.scientificamerican.com/article/an-autonomous-logging-machine-could-make-forestry-safer/?utm_medium=social&utm_source=facebook&utm_campaign=socialflow&fbclid=IwZXh0bgNhZW0CMTEAAR2hEe2_MfWYeKwLwwQmrk1xQXH2f_EdOXy5J00oDYIR07yPm7teqxcK2A_aem_AdW0sgCxcJarVmBr20yqAJ8gXIM0jb1A-jdNBTOHfVSgfW7RzzL_2JiuHP_7YNBBtg9TfcGr3qhmbKJ-WiyngXtt

Physics, Earth and Space Sciences

A Remarkable New Thruster Could Achieve Escape Velocity—and Interplanetary Travel

https://www.popularmechanics.com/space/rockets/a60654632/next-generation-ion-thruster-nasa/?utm_campaign=trueanthemFBPOP&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR1rg882SEpdq8pgs4XLAXTBu-oDS8c4maqkx_71YEMrD7R4VFGoPrOf8mc_aem_AaQWvDTbzgeopamXdl8SsFXfhifTOTWHYaNcf3hkDpHt94JXsZiIM3lp88H61nHFUTmw3w89bCSEfbQHoPEsows

Anticipating future discoveries: Scientists explore nontrivial cosmic topology

<https://phys.org/news/2024-05-future-discoveries-scientists-explore-nontrivial.html>

Musk's SpaceX is quick to build in Texas, slow to pay its bills

<https://www.reuters.com/technology/space/musks-spacex-is-quick-build-texas-slow-pay-its-bills-2024-05-13/>

Weaker ocean currents lead to decline in nutrients for North Atlantic ocean life during prehistoric climate change

<https://phys.org/news/2024-05-weaker-ocean-currents-decline-nutrients.html>

More geomagnetic storms remain likely for today as sun continues to erupt X-class flares

<https://www.cbsnews.com/news/more-geomagnetic-storms-remain-likely-monday-sun-continues-erupt-x-class-flares/>

James Webb Space Telescope chief scientist Jane Rigby receives highest US civilian award

https://www.space.com/white-house-medal-of-freedom-james-webb-space-telescope?utm_source=facebook.com&utm_content=space.com&utm_campaign=socialflow&utm_medium=social&fbclid=IwZXh0bgNhZW0CMTEAAR0SjbeMUrf6JhzXOMIPAEtdQOJ3ZdXbh58Yf4tnQPJvbUyyp0eyshBk464_aem_AdXjfljLX4yHUDHbHAC7b_IYrSPHmW-3gKaGTb-DiEEJj3w-vFerCUN1p0xarNJEp1NgQrcfoLdEZsDqp_0BlyS

'Hairy' black holes may get a massive glow-up from the LISA spacecrafts

https://www.astronomy.com/science/hairy-black-holes-may-get-a-massive-glow-up-when-the-lisa-spacecrafts-launch/?utm_campaign=organicsocial&utm_content=LISA%20will%20detect%20gravitat&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR3XgQHbSL2Ah79X2itr1ac5dmkWh26mQB4ZQXUvDCDT5S4BbIKdTdCo1HA_aem_AaubGXAWZo5AIT7d3YO9E0oU6rIVr23Jxf8hACGoc7BxFS20lJDWU3EMVcvmxNRrYuX39RIRgOn_PEI97bdiWmZ5

A hidden danger lurks beneath Yellowstone

https://www.sciencenews.org/article/yellowstone-hydrothermal-explosion-volcano-steam?fbclid=IwZXh0bgNhZW0CMTEAAR0xGKeLjPa65avHaDyy84QWus1ztkANu2htTbO-ZyMJkgdJnxkxhFciU_aem_Aavych4p6-r5cQ9EWqKfpYzn8KopLcAZK3nnlo2hER1raxgMUwv8TKV_cffV_Pake20K5MoXX5kLWRHGbo0mNMtr

Does Planet Nine exist? The new evidence says yes.

<https://www.astronomy.com/science/new-evidence-builds-case-planet-nine/>

Mathematicians have finally discovered an elusive 'einstein' tile

https://www.sciencenews.org/article/mathematicians-discovered-einstein-tile?fbclid=IwZXh0bgNhZW0CMTEAAR1xNayjXqMn-QLpZr_biMiAbf1XQKRmL0z6LaiLRxOafiPaC1JN0OVgDnw_aem_AavTdXxyvfTkfN6j6mxmKFJZw4XKKI9KOnFEt65FISl5dUUMIxTizbVUoVFML6ekbuvbXQp9NBtbzB9cphP2Ptg

The universe may have a complex geometry — like a doughnut

https://www.sciencenews.org/article/universe-geometry-doughnut-physics?fbclid=IwZXh0bgNhZW0CMTEAAR0HmXPR917185OESrEX0QWnayNJc0G5wjMMqFiA25zkb8uoi1SjB0ujO84_aem_AavNQb-D-FnRQJGdZ4YhfpcnnZBagPxcw9SAV1C6tHhv0qbBSF-gxkPD8W3foojrAWsB6b8GYv9bLPbfOJ9zyJEt

NASA's asteroid Bennu samples have rocks unlike any meteorite ever found

https://www.astronomy.com/science/nasas-asteroid-bennu-samples-have-rocks-unlike-any-meteorite-ever-found/?utm_campaign=organicsocial&utm_content=Early%20results%20from%20NASA%E2%80%99s&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR3ldNsZR1vmtFqukdUpvVnhgrSgsRzzkx5hNGQc2R_LhsdN1KHRY1uJA50_aem_AasGmdZomJxVIRdNW8nudQTQdzhUWQHLzq6iXhHD7SjCAgx3apiullr7tbDL4YIKbFG4tRJ1miqYmV3fG4KaWCZj

Space data fuels India's farming innovation drive

https://www.reuters.com/world/india/space-data-fuels-indias-farming-innovation-drive-2024-05-17/?taid=66473fc74c1569000111e3b9&utm_campaign=trueantheam&utm_medium=trueantheam&utm_source=twitter

Chinese state-backed company to launch space tourism flights by 2028

https://www.reuters.com/science/chinese-state-backed-company-launch-space-tourism-flights-by-2028-2024-05-17/?taid=66474dd882bb7f0001389c3d&utm_campaign=trueantheam&utm_medium=trueantheam&utm_source=twitter

'Lost' satellite found after orbiting undetected for 25 years

https://www.space.com/lost-satellite-found-us-space-force-data?utm_medium=social&utm_content=livescience&utm_campaign=socialflow&utm_source=facebook.com&fbclid=IwZXh0bgNhZW0CMTEAAR2POINw9By1iZiK5h_t0iUfdwcThYbI0yUCqkNB7c_p6WPR_aq7W8U_XS8_aem_AS1SqTSBpiXW7z9WGNQKImwsLILhW_zFHypx4fjDe0gj3R0mL_SIRkEa4OV6Vdtt0II7N4xiUMFvaWvoXjpF1cSqG

Astronomers finally detect a rocky planet with an atmosphere

<https://www.nbcnews.com/science/space/astronomers-detect-rocky-planet-atmosphere-rcna151315>

Sun unleashes massive X8.7 solar flare, biggest of current cycle, from super-active monster sunspot

<https://www.space.com/sun-solar-flare-sunspot-ar3664-x88-class-may-14-2024>

A Brand-New Spacecraft Will Visit the International Space Station Soon

<https://www.scientificamerican.com/article/the-new-dream-chaser-spacecraft-prepares-to-visit-the-international-space/>

Environment, Climate Change and Alternative Energy Sources

A leap toward carbon neutrality: New catalyst converts carbon dioxide to methanol

https://phys.org/news/2024-05-carbon-neutrality-catalyst-dioxide-methanol.html?fbclid=IwZXh0bgNhZW0CMTEAAR1ZyIZlQQuZY53ygfGj_bve9zKRhbYNclwmWnw8ZLJtdc_GlzrryFxmZek_aem_AYFZFm8-wTsfmTVr3y4rktDsYKLoICYL3bNWrmryfZcX1UtHktlepUH7JSfL6MMXYnGaBYYZuJzThvAlk963ItI

Chemical analysis of natural CO₂ rise over the last 50,000 years shows that today's rate is 10 times faster

https://phys.org/news/2024-05-chemical-analysis-natural-years-today.html?fbclid=IwZXh0bgNhZW0CMTEAAR16iB0t2uvN2DjJO9b5_ftgah0s3yl_c5xnb5us9e8GI2_pVLYYWSGy54_aem_AS01yQe6ahS38a0xfQ7NYbdXeIMzDC3RQQLnailZgzEzfZ0mjTgLqYO9eDxCLAErZTwdLSL8Qz6C7UhUx_nLGFGw#google_vignette

Floating photovoltaics could limit Africa's future reliance on hydro-generated energy

https://techxplore.com/news/2024-05-photovoltaics-limit-africa-future-reliance.html#google_vignette

Sun, sustainability, and silicon: A double dose of solar fuel research

<https://techxplore.com/news/2024-05-sun-sustainability-silicon-dose-solar.html>

Deep-sea sponge's 'zero-energy' flow control could inspire new energy efficient designs

<https://phys.org/news/2024-05-deep-sea-sponge-energy-efficient.html>

Biological, Genetics and Medical Sciences

Listening to giants: The search for the elusive Antarctic blue whale

https://phys.org/news/2024-05-giants-elusive-antarctic-blue-whale.html?fbclid=IwZXh0bgNhZW0CMTEAAR0ZKq9-or16FKHyee6x5qYW4okWC0NEKjh7JtXngGtOSSgWRWtCFVjcY-I_aem_AYF-tq8nsHwIEDNM4U_nzVaDXY67BvTt_YBpzq2EsZk5ioZqs9-iXlxeDt8GbgNT38aH9z72s5FuJ7StDgvtK3K

Orcas sink sailing yacht in Strait of Gibraltar

https://www.nbcnews.com/science/science-news/orcas-sink-sailing-yacht-strait-gibraltar-rcna152093?cid=sm_npd_nn_fb_ma&utm_campaign=trueanthem&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR3RXOxPW_n3Dy_HD6jd1xhKI_umHQhgteBZ_jxOq2VhLGt56JHolskm4dCw_aem_AS0VWMWSwWGGqWHivv-ZsNpDS8pLm1icf2tnHLke5tL9au5cPxiNuppecpEtp0i9jqHbgdLFPcfy49xs-5Kp88fe2&branch_match_id=1313274171422255376&branch_referrer=H4sIAAAAAAAAAAwXB226CMAAA0C9SkluBJcvCRK1aEWWxhpeGikLLpdZR0O7rdw7XWg0fliUJIWweloVSy07I1mK%2Fh2byXPR3JF8VoZ0oPw9z%2FuA2qROel3tz%2FtIG0c29PS4mRVi68RuDeN2UK8NPHR57cOW1Zt95Yy4v587hXvvrI3h2Q9t75WbGBetxINI3dEbZjPY1AmKaFvmQqDgLF0xXglaOlgC2zNcwLEafpkYko1KMqq1WtqibFyB1CXcprd5eaLKFf1JBUDHnH7Tx%2FeTWAAAA

Orcas Just Sank Another Yacht

https://www.scientificamerican.com/article/orcas-just-sank-another-yacht/?utm_source=facebook&utm_medium=social&utm_campaign=socialflow&fbclid=IwZXh0bgNhZW0CMTEAAR1kN0ID1SpmG9vLYM3B6gfaa1nrgXXZfV1w8z8hldgjZGRumLYxlz_ijvs_aem_AasOP2rcxE1Qc-G2to-FfMlf88IIBTbF03drxc2uyOYJYvNZ5ufvvyT79EE07sXJvgSIEKpjSo-KokFijqIN6-o

Bowhead whales may have a cancer-defying superpower: DNA repair

https://www.sciencenews.org/article/bowhead-whales-cancer-dna-repair?fbclid=IwZXh0bgNhZW0CMTEAAR0Qtnlyb9sWa7MJ41hDWHPgf60ks3yy020rJD_MwJGPg3ygcPO0EXKcgrU_aem_AasIIUzXX60uWLHwT7h-XLNhr26t0RoOX8bi-OsOyRdO3zKojEaBoiPeYg2A8FWV0AiZSO2Drm16iXIEMQCOJC

Scientists say they've discovered a 'phonetic alphabet' in whale calls

https://www.cnn.com/2024/05/13/world/whale-communication-coda-alphabet-scn/index.html?Date=20240514&Profile=CNN&utm_content=1715649563&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR3V2tre9MfsTg_hbpt90kQbIBG05OziE_Evp8T-iJfJugAtq_g00bFt7kCo_aem_AS2YEH-OWgjhHqx1AWzljwiZt0po8rYbrXrUj7bACWk4Fm8RHVWc-ZyzSo6Y_W5klvf6qQ18wucujaoryRCHA3t

As the FDA evaluates ecstasy treatment for PTSD, questions mount about the evidence

<https://www.npr.org/sections/health-shots/2024/05/13/1250580932/ecstasy-mdma-ptsd-fda-approval?sc=18&f=1001>

Implant by Elon Musk's Neuralink suffers setback after threads retract from patient's brain

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