

Weekly Science Report

June 14, 2024

“Until lions have their historians, tales of the hunt shall always glorify the hunters.”

African Proverb

Table of Contents

Introduction	2
News Articles.....	3
Paleontology, Evolution and Prehistoric Studies	3
History	4
Archaeology.....	7
Egyptology.....	8
General Science	9
Physics, Earth and Space Sciences	10
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/weeklysciencertpt/>
- Twitter: <https://twitter.com/wklysciencertpt>

News Articles

Paleontology, Evolution and Prehistoric Studies

First ever report of two ancient ape species cohabiting in Miocene Europe 11 million years ago

https://phys.org/news/2024-06-ancient-ape-species-cohabiting-miocene.html?fbclid=IwZXh0bgNhZW0CMTEAAR0cOJqxq58H1TLmGsQx1Desgsko2fybFmJ7Ijv-wRrUUrK33ly44HUx4MkY_aem_AS2c3PBzqSFD8gs3jsUhx8gsrIOgMmDZkWLkut04_1sLtUJqxL-CrjZbCz0ZoVOOv_mJh1DpAesbcuGBJb9eCpHf#google_vignette

Siberia's 'mammoth graveyard' reveals 800-year human interactions with woolly beasts

https://phys.org/news/2024-06-siberia-mammoth-graveyard-reveals-year.html?fbclid=IwZXh0bgNhZW0CMTEAAR3j6TUHhrXQqYdugxQo-ovfln-2BnqkEKpkKoJ5h2I-UzzAk0i9uEzqyc_aem_AS_1j7-OygcJdvZhEabFLorqvytUI52WOnmGrGcB-ICnp0zTPrPcVfZcz02rTnTGmi5vn-Fd_HSFTLLfsDI7zRMX

Researchers find rare organ preservation in Brazilian fossil fishes

https://phys.org/news/2024-06-rare-brazilian-fossil-fishes.html?fbclid=IwZXh0bgNhZW0CMTEAAR1iEo7onMolLIZKi5YoDIUnyk9jmxvVquMig5m7M-DcnU2G8d5KnIJ_uHWQ_aem_Adnte0rrE-WcWKAMObcKaLYvdZzwgb4KEozCyCkxRgf-r-UAEL1fj3a2Q7ghuL_krcKT9MxOkjgpiuHVwHQLEhHq

Neanderthals and humans interbred 47,000 years ago for nearly 7,000 years, research suggests

https://www.livescience.com/archaeology/neanderthals-and-humans-interbred-47000-years-ago-for-nearly-7000-years-research-suggests?utm_campaign=socialflow&utm_source=facebook.com&utm_content=livescience&utm_medium=social&fbclid=IwZXh0bgNhZW0CMTEAAR3uM5mQfth3QICN6lolkvaw9ogg1-2chVHAbl1nZI8ZOkDKLqEK3fmwOm4_aem_AVU2Kuhsn4M_oE4JUAKAN1uwSg1RmAodwnNQ9mopEuY-vJLwTTbTOCYGsqDhVMP1M6Yobb1NFD8p2PSGCvSE6F10&sfnsn=mo

Oldest Known Neanderthal Engravings Were Sealed in a Cave for 57,000 Years

<https://www.smithsonianmag.com/science-nature/oldest-known-neanderthal-engravings-discovered-in-french-cave-180982408/>

'Major' Archaeological Development May Help Rewrite Early Human History

<https://www.newsweek.com/major-archaeological-development-help-rewrite-early-human-history-1909782#:~:text=An%20innovative%20technique%20used%20in,light%20on%20prehistoric%20humans'%20behavior.>

History

Meet the Fantastically Bejeweled Skeletons of Catholicism's Forgotten Martyrs

https://www.smithsonianmag.com/history/meet-the-fantastically-bejeweled-skeletons-of-catholicisms-forgotten-martyrs-284882/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=642024&utm_content=archival&fbclid=IwZXh0bgNhZW0CMTEAAR1-XdTDY8D9jg7ZeQxV1oEaWTUFQCdQ208EEsmq0xuEdgGRHK99dL4pCbE_aem_AeZ94gBZjVnYH6rR1aTf45zOdpVJyNfr2F-hQy-xppe5bRlWMYuLoHUjx4AQmUsRgMiVAH7oo4e4_d5nrFuUwS7n

102-year-old WWII vet dies en route to France for D-Day commemoration

<https://www.stripes.com/veterans/2024-06-04/wwii-veteran-died-dday-normandy-france-14081884.html>

Reported birth of rare white buffalo calf in Yellowstone park fulfills Lakota prophecy

<https://apnews.com/article/white-buffalo-calf-lakota-prophecy-yellowstone-c7c77fb2791c2ccc271222bd0174aa99>

Two Nazi-Looted Paintings Were Returned to a Jewish Family, Who Donated Them Back to the Louvre

https://www.smithsonianmag.com/smart-news/two-nazi-looted-paintings-were-returned-to-a-jewish-family-who-then-donated-them-back-to-the-louvre-180984512/?utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=6102024&utm_content=new&fbclid=IwZXh0bgNhZW0CMTEAAR3gk9lw01SjAMP3RR1D9Lmiv_2or1ppEVhgPrS4h0WdBtn4E1YoeEsfvaM_aem_AUMSMIqn_9BPKcubdvUSqDxV97ilZbfHNrFbEcnUKZWhdi-LhWuDv3klBmj2ggdGEZUeC1_JflltT79FhvjPfrIE

Glass beads indicate Indigenous Americans shaped early transatlantic trade

https://phys.org/news/2024-06-glass-beads-indigenous-americans-early.html?fbclid=IwZXh0bgNhZW0CMTEAAR3yTZNfIIWSJmmjbS6qmSqHcQccBXfD1AEalO7hEHZ0sEyuc1sjqyvDICI_aem_AdmvuBjRUIcLbjmwlWdUNAntwgi5bIRlIt9zzp_FNBWmzFi_x4YHDdsO-kCB2otFhjiuwqsePjQ19DsoPnkVq6Eb

A jet carrying 5 people mysteriously vanished in 1971. Experts say they've found the wreckage in Lake Champlain.

https://www.cbsnews.com/news/jet-vanished-1971-vermont-wreckage-found-lake-champlain/?ftag=CNM-00-10aab6a&linkId=465381105&fbclid=IwZXh0bgNhZW0CMTEAAR2nNNQ9r94Wpw1oI5tFWk303T3sgp-2Xtn8bdhqX_h_T9dDIZbnJWQ0a7M_aem_ARauNosqT3IkRpMdc4-tidGNeKzfrGvXAfw9-t0BPTZ_MSBm-8DFRepv-BCUfOstnX_E4CyVWAu0qRq3EdwmJucv&sfnsn=mo

Newly deciphered manuscript is oldest written record of Jesus Christ's childhood, experts say

https://www.cbsnews.com/news/manuscript-deciphered-jesus-christ-childhood-oldest-written-record-experts-say/?ftag=CNM-00-10aab6a&linkId=466344638&fbclid=IwZXh0bgNhZW0CMTEAAR2JC1Y3Wx9FICChV4SfaX8_CvdBSCq98gPLjlxjk7A91dhayHtGEkDfF7BA_aem_AdIk_Zk1lQxNpGULN0t9kY47xdMaoBqe7S7AX_Ub0VGYNdc8E-N1KsQV_NfvqKx1EvBV6BhjRGIZY-CMRGrqBuF

Burglars steal \$500k in jewels from Bulgari, then escaped through Rome's sewers

<https://www.npr.org/2024/06/13/nx-s1-5003234/burglars-steal-500k-in-jewels-from-bulgari-then-escaped-through-romes-sewers?ft=nprml&f=1001>

Why hasn't there been a Palestinian state?

<https://www.npr.org/2024/06/13/nx-s1-4985829/why-hasnt-there-been-a-palestinian-state?ft=nprml&f=1001>

Indigenous Makah tribe in Washington allowed to resume whaling tradition

<https://www.npr.org/2024/06/13/nx-s1-5004700/indigenous-makah-tribe-in-washington-allowed-to-resume-whaling-tradition?ft=nprml&f=1001>

A Civil War hero got a new statue. Her name is Harriet Tubman

https://www.csmonitor.com/The-Culture/Arts/2024/0613/civil-war-statue-harriet-tubman-ed-dwight?cmpid=shared-facebook&fbclid=IwZXh0bgNhZW0CMTEAAR1xcGYGriHeYarxTnU6tsvNFA3tlKp12tte-bUFYq697sNiOkx71rG4apE_aem_ZmFrZWR1bW15MTZieXRlcw&sfnsn=mo

The Rev. James Lawson, key architect of the Civil Rights Movement, dies at 95

<https://www.npr.org/2024/06/12/nx-s1-4949920/james-lawson-civil-rights-reverend-dies?ft=nprml&f=1001>

Archaeologists find records of Pompeii survivors that reveal how they rebuilt their lives

https://www.pbs.org/newshour/world/archaeologists-find-records-of-pompeii-survivors-that-reveal-how-they-rebuilt-their-lives?fbclid=IwZXh0bgNhZW0CMTEAAR2PU-x4qEWUGqqbBJahbs9qxfCKccwHt0oP6WJ7pCR8c25SVTLuDr2ewFM_aem_AUXdNIPZOFDEI1OiOUro2c12Qm9GOnNOPp6may5qmdX9twK0KUX3f-VlopXh-GFsaYENYS_pkS590fCLb74oDyDu&sfnsn=mo

Reconstructing heritage after war: what we learned from asking 1,600 Syrians about rebuilding Aleppo

<https://theconversation.com/reconstructing-heritage-after-war-what-we-learned-from-asking-1-600-syrians-about-rebuilding-aleppo-229627>

Report finds Colorado was built on \$1.7 trillion of land expropriated from tribal nations

https://apnews.com/article/colorado-tribal-land-report-native-american-homelands-49435dcd30d3c5413a363a2ee88edc04?taid=666c506d8151370001b2e2bb&utm_campaign=TrueAnthem&utm_medium=AP&utm_source=Twitter

Is your ancestor listed in the new boarding school database?

https://ictnews.org/news/is-your-ancestor-listed-in-the-new-boarding-school-database?fbclid=IwZXh0bgNhZW0CMTEAAR0A5_ukFcnrTHYr2gbtAlHgMmCHgzTs9VuLbsBi8bXmilcaFiUXLG1sNGY_aem_AU1JD9ogpznWWDaOdmBxwwF54hcgw7yXE3c2xruASibizqd_Sz8OkLna360FgUPbdmGZcFsN-GZRhK_RRKzGcYXr&sfnsn=mo

Reclaiming Dolly: An MMIW survivor's story

https://ictnews.org/news/reclaiming-dolly-an-mmiw-survivors-story?fbclid=IwZXh0bgNhZW0CMTEAAR1iYMelk6QUIQ541to5H6qFnY6yJ2iMcIRFSOvZhrINrLShh64EPUp8gmA_aem_AU3FsfLEETHwqO5twU6DjEBb25zrvsaJWRmdqioqEDvhHhD4GH8Xd-WOM8hL7LqrJMEZ11x_sAbMJFyydLUfGu&sfnsn=mo

The Brothers Grimm Did Much More Than Tell Fairy Tales

https://www.smithsonianmag.com/smart-news/polish-university-discovers-27-works-belonging-to-the-brothers-grimm-180984427/?no-cache&utm_medium=social&utm_source=facebook&utm_campaign=editorial&utm_term=6102024&utm_content=recent&fbclid=IwZXh0bgNhZW0CMTEAAR0JCUzomOvcQIN7-QlvHli9HKS8Z9PYjYx63hSlq1McnzUATqaJUetJdbQ_aem_AS9XwP6DK4k0qyydC51SPdXgAf3kOmoPu7DsbtzrUenpViPkkR_Gus_0LDi-3W6ERtCJQv-2lqxdFWDCwa2Pt623&sfnsn=mo

Museum in Switzerland to pull famous paintings by Monet, van Gogh over Nazi looting fears

https://www.cbsnews.com/news/kunsthhaus-zurich-museum-switzerland-nazi-art-looting/?ftag=CNM-00-10aab6a&linkId=470373805&fbclid=IwZXh0bgNhZW0CMTEAAR26z9Wx46SIYOyeee4ha061vVaPPxhwBJZ3UcHFNC_LCanlGFryNsYw69Q_aem_ZmFrZWR1bW15MTZieXRlcw

Archaeology

Archaeologists Found 11 Canoes Buried in a Wisconsin Lake—and They May Lead to a Lost Village

<https://www.popularmechanics.com/science/archaeology/a60951703/ancient-canoes-discovery-wisconsin-lake/>

UNF archaeology team and National Park Service launch new dig site at Black Hammock Island

https://www.actionnewsjax.com/news/local/unf-archaeology-team-national-park-service-launch-new-dig-site-black-hammock-island/X6BIAL3QKBBTREVX3UZEXDFGLY/?fbclid=IwZXh0bgNhZW0CMTEAAR2uuJ7qV5Eh8va6AJVOftIbBSZo2T3luYQfmfZt4F0ZH9KxhoW3IDSxxX0_aem_AS3udHENEc8v3Me9u-4S3ZmubouL2i3RkA2ZsVkrkW3pLsJFg7Qr3YX6sf11CvBG0a69uaO1_SVrxuBuQ_IC_y

4,000-year-old Greek hilltop site mystifies archaeologists. It could spell trouble for new airport

<https://apnews.com/article/greece-crete-archaeology-airport-minoan-e1bca3960994b42ef2ec30676a2ae188>

Explorer Shackleton's last ship found on ocean floor

https://www.bbc.com/news/articles/cpvv2w2e69go?at_link_type=web_link&at_ptr_name=facebook_page&at_bbc_team=editorial&at_link_origin=BBC_News&at_campaign=Social_Flow&at_campaign_type=owned&at_medium=social&at_format=link&at_link_id=2569D1B4-28B8-11EF-81C4-8829FEDFA08C&fbclid=IwZXh0bgNhZW0CMTEAAR2YI-W7S4nlEoDYeby4tmKFxmJ-tiJxJHswPxVeJJ_rOi40oH-xtfH7Afs_aem_AdkgXaFtVN3P2kpRWYqFL1cvAt_Si43xSJnHWA72O0NTRcpsxEM9oxpBG9w5h84vabb88qykTrY0RF6oAijetm7

Who were the victims of Maya sacrifice? Ancient DNA reveals an unexpected finding

https://www.cnn.com/2024/06/12/science/ancient-dna-maya-child-sacrifices-scn/index.html?Date=20240612&Profile=CNN+International&utm_content=1718219900&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR0CBDPaTo4SwySY_pOTh3WHOJ4Vq6x0YQEn5s2l6OpoU4SIEIXJC2rTwaQ_aem_AcYutuPPfU6knlnACHVf9xZ9CjWD8SGFGt6oDqWbsVmvDZVCnhvstC_Acw7rBDObpQ4pP_kaHkeWOWunfqM0GI7n&sfnsm=mo

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.evergreen&utm_campaign=a.io_fy2425_q1_awareness-cb-tr_prospecting_global-global_auction_na&utm_medium=social-media.content.pd&utm_source=facebook&utm_content=discovery.content.non-subscriber.content.staticlinkad_np-120211782071950079-n-n_na-na_article_na_na_na&utm_term=int-currentevents-politics-trendingtopics&utm_id=12021387568270079&fbclid=IwZXh0bgNhZW0CMTEAAR0d3MeCmGb5C4D0x4db4YIclhkzt76vdRieJN9pV-HEXjoI9nnwlqpvOYM_aem_AZFPzqUGXtRHEP16ilNcRrgrVtXUOods3_65s3qKOI5tN3U81acWfAz4FTqKmeSrjmdIOIzVYvc8b-N5raSYzN5

Archaeologists search for unmarked graves of Black veterans at historic cemetery

https://www.news4jax.com/news/local/2024/06/12/archaeologists-search-for-unmarked-graves-of-black-veterans-at-historic-cemetery/?fbclid=IwZXh0bgNhZW0CMTEAAR2Nalrkf_Yt4t2qU_eZsQaHv1vba5UalHUZL_V1Ttg0jSd3g9BHp0Uto5A_aem_AWAoYssTRVaf5tQ5ZwXbmdPUprI-qvhWO1FOyi_tS6BoCegKDjL5U_7FKtzOY5Bh8wsmVumzGkCArvmpSfZbKNIO

Egyptology

The original occupant of an Egyptian sarcophagus was unknown. Then a tiny ornament revealed a very big name

https://www.cnn.com/2024/06/10/science/ramesses-ii-egypt-sarcophagus-scn/index.html?Date=20240610&Profile=CNN&utm_content=1718044297&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTAAR0whWcuQsvWpPrjcXpX3ctR35Zw0Tfkd9D-gA_5_rQ8q-RU2Zx_-L_0u8_aem_AUMXp3tEmdTSEy-ZrX0yygljEE38pX5-t7INrMnF1seom7sTRRCY27vXKh-txqJa629Nlr9tEVNA3vW1i7yD_IrL

General Science

OpenAI Employees Warn of a Culture of Risk and Retaliation

https://www.wired.com/story/openai-right-to-warn-open-letter-ai-risk/?bxid=5bd6790424c17c1048020acb&bxid=5bd6790424c17c1048020acb&cndid=41291302&cndid=41291302&esrc=twitter-newsletter-c&esrc=twitter-newsletter-c&hasa=3ed15b3d4270f52ce4da5de4e5031836&hasa=3ed15b3d4270f52ce4da5de4e5031836&hashb=9085a9ae56cc45a4e9bae24e2eaeaade6e04a43e&hashb=9085a9ae56cc45a4e9bae24e2eaeaade6e04a43e&hashc=74eb9308055fd2296514323600108b997526be68a69044cf3fc1e2fbb0496447&hashc=74eb9308055fd2296514323600108b997526be68a69044cf3fc1e2fbb0496447&source=Email_0_EDT_WIR_NEWSLETTER_0_DAILY_ZZ&source=Email_0_EDT_WIR_NEWSLETTER_0_DAILY_ZZ&utm_brand=wired&utm_brand=wired&utm_campaign=aud-dev&utm_campaign=aud-dev&utm_content=WIR_Daily_060524&utm_content=WIR_Daily_060524&utm_mailing=WIR_Daily_060524&utm_mailing=WIR_Daily_060524&utm_medium=email&utm_medium=email&utm_source=nl&utm_source=nl&utm_term=WIR_Daily_Active&utm_term=WIR_Daily_Active

Electric 'seaglid'ers' that skim over water could make ferries a thing of the past

https://www.cnn.com/travel/regent-electric-seaglid'ers-abu-dhabi-spc/index.html?Date=20240612&Profile=CNN&utm_content=1718199008&utm_medium=social&utm_source=facebook&fbclid=IwZXh0bgNhZW0CMTEAAR2DkiBEkeQdo5dpVZGuyou50OQRCoKifS-bQZ-xKF4aIWyCoVC8Jsqzxtk_aem_AdklueTbQBQDxZbzIMCmskZvFlxvfcMZxkrvh3Q3pZd1aIFqvL8uoJpk_nDzkgulhIXU7QyTJ7FaosEvfb5ryT5I

Memorializing loved ones through AI

<https://www.npr.org/2024/06/13/nx-s1-4996472/memorializing-loved-ones-through-ai?ft=nprml&f=1001>

Physics, Earth and Space Sciences

Gaia: Milky Way's last major collision was surprisingly recent

https://phys.org/news/2024-06-gaia-milky-major-collision.html?fbclid=IwZXh0bgNhZW0CMTEAAR2VtLLTQgy0FiVEKcZtutR2csPMT7zhGZxY8_k1k84ZxOMqtzF4sjxx8D8_aem_AarlxgzfGVdxeox-VHxBiYG9Rj2LZe6ta2RCiJmjEiE9LVBLEUvTVuosuVaS2Ew3nMViWj6dbNRC00j5s6Wf_Adf

Heat-switch device boosts lunar rover longevity in harsh moon climate

https://phys.org/news/2024-06-device-boosts-lunar-rover-longevity.html?fbclid=IwZXh0bgNhZW0CMTEAAR37ObmA6vZMaCY4wOeP9_92HU6ZvX2MDN1y6DSuLyOiZNqGBek8Fsi1Z20_aem_AapKUjmqYG-Y6Yuy6WmG_aHDJDA0bNiFNpfpdcQXOWHuwNxBlgPPoazJoz-VRFNkPqEyBmFAnu7IUuUoygOterRo

William Anders, former Apollo 8 astronaut, dies in plane crash

https://www.cbsnews.com/news/william-anders-former-apollo-8-astronaut-dies-plane-crash-washington-state/?ftag=CNM-00-10aab6a&linkId=461164677&fbclid=IwZXh0bgNhZW0CMTEAAR2eGMvz7BNwZGfKbsmVof_ZgVk3BNm4QC0Ss57oD-GPHnEAHCAXP9qvYRU_aem_AXqjZLCF49oak6YQdIPa8R8ZaQzkPdPlkctZzkWLYF_hIB-X4KuNEoEsm1fmzqt-sTWrgGWlvh7JMQv-fdzzyb-

Hubble will change how it points, but NASA says 'great science' will continue

<https://www.npr.org/2024/06/04/nx-s1-4992069/hubble-will-change-how-it-points-but-nasa-says-great-science-will-continue?ft=nprml&f=1001>

Astrophysicists calculate the likelihood that Earth was exposed to cold harsh interstellar clouds 2 million years ago

https://phys.org/news/2024-06-astrophysicists-likelihood-earth-exposed-cold.html?fbclid=IwZXh0bgNhZW0CMTEAAR39z-gNzN2wzrxzYTIEDJ3dhxBGJ75NXgRa7L12P4qY3V3bCjUHKc6ZJdk_aem_AS827E7YXCK4sBe1-Oprne6fkqArgPnaiaXGKdJkQT2d6GRTJektOxH2KsebMMGiWEMxSMhqaQvbdqGdq40KAwLk

'Once-in-a-lifetime' explosion will bring a new star to the night sky

<https://www.cnn.com/2024/06/11/science/nova-new-star-nasa-scn/index.html>

Human spaceflight's new era is fraught with medical and ethical questions

https://www.sciencenews.org/article/human-spaceflight-medical-and-ethical-questions?fbclid=IwZXh0bgNhZW0CMTEAAR28gnIJTp0mx0XIsTGjsWRT_qiX9R1h3H1vOnpP-DDvbycNmQ-iDaqPyQ8_aem_AU-WB5Kd6J6MzFvq_5KljiROnllp4lbigCjrZM8U2RwwG7hsO4WfKv102SwzOYVqMVqryj7Jv-ecDMSnBNj5xz28D&sfnsn=mo

Physicists use machine learning techniques to search for exotic-looking collisions that could indicate new physics

https://phys.org/news/2024-06-physicists-machine-techniques-exotic-collisions.html?fbclid=IwZXh0bgNhZW0CMTEAAR03M5O5mj1zoWJDJd0FEueh4FB9gfuCNG50LVyOj5UaZQzzlFggwgs2ins_aem_AfZB4B_cfFg28hkdmkUjRuGCauUmuJRsESVJ652Qo7ufM1avxR3DleBdlaMDZR4uKEB9SkWWQ6nVEpov8pYbKk-

Pair plasmas found in deep space can now be generated in the lab

https://phys.org/news/2024-06-pair-plasmas-deep-space-generated.html?fbclid=IwZXh0bgNhZW0CMTEAAR0kTXOeAAI9-z03iMoEJYCbaY60hyLAXcWFgARUNVaFurTCvHQR789EsiA_aem_AfY2tpLRY3HJHTE40uxDYMcZpuftGnsW9rPN_fk04_oguAC8JqKaCY2gtPgebfqBilammRN3cVFhQ8aNwwPePQsg

Satellite 'megaconstellations' may jeopardize recovery of ozone hole

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