

Weekly Science Report

June 9, 2017

“The greatest tragedy in its vast and glorious tapestry is not the way in which it fell, but that it has been consigned to irrelevance, its voices unheeded and its lessons unlearned. For those who have eyes to see, however, the lonely Theodosian walls still stand, battered and abused, marching the long miles from the Sea of Marmara to the waters of the Golden Horn. There they serve as a fitting testament to that epic struggle five centuries ago, an unwavering reminder that the Roman Empire didn’t expire in the humiliation of a little Augustus but in the heroism of a Constantine.”

Lars Brownworth (Lost to the West)

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Introduction

Steve Detwiler created this publication with the support of Graham Hancock and 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!

Steve Detwiler

News Articles

Paleontology, Evolution and Prehistoric Studies

Humans were already changing the environment 11,500 years ago

<https://www.usatoday.com/story/tech/sciencefair/2017/06/06/humans-were-already-changing-environment-11500-years-ago/102545918/>

First of our kind discovered in Morocco

<http://www.bbc.com/news/science-environment-40194150>

Comet Strikes May Have Helped Spur Life on Earth

<https://www.seeker.com/space/comet-strikes-may-have-helped-spur-life-on-earth>

Unraveling the mysteries of Nipponosaurus

https://www.eurekalert.org/pub_releases/2017-06/hu-utm060917.php

New Study Shows Mid-East Neanderthals Were Not Only Cave Dwellers

<http://www.jewishpress.com/news/israel/new-study-shows-mid-east-neanderthals-were-not-only-cave-dwellers/2017/06/07/>

Peru's plenty brought ancient human migration to a crawl

<https://www.sciencenews.org/article/perus-plenty-brought-ancient-human-migration-crawl>

Solving the puzzle of when the first humans arrived in the Americas

<https://phys.org/news/2017-05-puzzle-humans-americas.html>

History

How a growing number of Muslim women clerics are challenging traditional narratives

https://theconversation.com/how-a-growing-number-of-muslim-women-clerics-are-challenging-traditional-narratives-77932?utm_term=Autofeed&utm_campaign=Echobox&utm_medium=Social&utm_source=Twitter#link_time=1496800906

The Myth of the Kindly General Lee

https://www.theatlantic.com/politics/archive/2017/06/the-myth-of-the-kindly-general-lee/529038/?utm_source=fbb

Erasing history: why Islamic State is blowing up ancient artefacts

<https://theconversation.com/erasing-history-why-islamic-state-is-blowing-up-ancient-artefacts-78667>

You Can't Understand ISIS If You Don't Know the History of Wahhabism in Saudi Arabia

http://www.huffingtonpost.com/alastair-crooke/isis-wahhabism-saudi-arabia_b_5717157.html

The Shocking Medieval Execution Story Referenced by James Comey

<http://www.history.com/news/the-shocking-medieval-execution-story-referenced-by-james-comey>

Using A Diorama Portal To Transport You In Time And Place

http://www.npr.org/sections/13.7/2017/06/09/532025870/using-a-diorama-portal-to-transport-you-in-time-and-place?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170609

The Marshall Plan turns 70 this week. Here are four reasons it was so important

https://www.washingtonpost.com/news/monkey-cage/wp/2017/06/05/the-marshall-plan-turns-70-this-week-here-are-4-reasons-this-was-so-important/?utm_term=.8c4448ea556c

'Last Secret' of 1967 War: Israel's Doomsday Plan for Nuclear Display

<https://www.nytimes.com/2017/06/03/world/middleeast/1967-arab-israeli-war-nuclear-warning.html?smprod=nytcore-iphone&smid=nytcore-iphone-share&r=1>

U.S. military veterans deported to Mexico say they want to come back home

<http://www.msn.com/en-us/news/us/us-military-veterans-deported-to-mexico-say-they-want-to-come-back-home/ar-BBBYzpB?ocid=ob-fb-enus-580>

Were the Irish Living in the Southeast Before Columbus Arrived?

<https://indiancountrymedianetwork.com/history/events/were-the-irish-living-in-the-southeast-before-columbus-arrived/>

Enigma: Why the fight to break Nazi encryption still matters

<http://www.cbsnews.com/news/enigma-why-the-fight-to-break-nazi-encryption-still-matters/>

Oldest Anatolian transcript found in Acemhöyük

<http://www.hurriyetdailynews.com/oldest-anatolian-transcript-found-in-acemhoyuk-.aspx?pageID=238&nid=113711&NewsCatID=375>

God or Geology? The Genesis of Ram's Bridge

<https://www.hakaimagazine.com/article-short/god-or-geology-genesis-rams-bridge>

Archaeology

What to Do When Priceless Art Meets Hungry Insects

https://creators.vice.com/en_us/article/amahiguere-dolo-priceless-art-meets-insects-conservation-lab

This Mask Is Among the Oldest Human-Made Metal Objects in South America

<https://www.livescience.com/59373-copper-mask-is-oldest-metalworking-south-america.html>

Two arrested digging for artifacts at Tuckahoe

<http://www.statesboroherald.com/section/1/article/80262/>

A famous 19th century shipwreck has vanished

<http://www.cbsnews.com/news/19th-century-shipwreck-vanished-south-pacific/>

Archaeologists discover mound next to Slough car park is 'prestigious' Anglo-Saxon monument

<https://phys.org/news/2017-06-archaeologists-mound-slough-car-prestigious.html>

Interior Secretary Ryan Zinke Reviews Bears Ears National Monument

<http://www.npr.org/2017/06/09/532289014/interior-secretary-ryan-zinke-reviews-bears-ears-national-monument>

Ancient Aztec temple, ball court found in Mexico City

<https://phys.org/news/2017-06-ancient-aztec-temple-ball-court.html>

Mysterious Fire Monument in England Predates Stonehenge by 800 Years

<https://www.livescience.com/59411-avebury-circle-older-than-thought.html>

Ancient Native American site discovered on Santa Rosa Island

<http://www.keyt.com/lifestyle/ancient-native-american-site-discovered-on-santa-rosa-island/530244395>

Rare glass spearhead found on Rottneest Island

<https://phys.org/news/2017-06-rare-glass-spearhead-rottneest-island.html>

Scientists find human tooth inside H.L. Hunley submarine during cleanup

http://www.postandcourier.com/news/submarine-h-l-hunley-crewman-tooth-found-inside-while-cleanup/article_cb5eb8f8-4b8b-11e7-ae8f-5be3172b6240.html

Revealing the truth about Jamestown, one bone at a time

http://www.richmond.com/entertainment/books/revealing-the-truth-about-jamestown-one-bone-at-a-time/article_e89f46ed-13b1-58fb-aa66-666840ed6929.html

Lost temple discovered after 1,000 years in Chengdu

http://www.china.org.cn/arts/2017-06/04/content_40964416.htm

Gov. Scott's vetoes could impact Luna archaeology efforts

<http://www.pnj.com/story/news/politics/2017/06/05/scott-governor-veto-uwf-archaeology-luna-settlement/370779001/>

Ancient underground city with 52 chambers discovered in Turkey's Kayseri

<https://www.dailysabah.com/history/2017/06/03/ancient-underground-city-with-52-chambers-discovered-in-turkeys-kayseri>

Egyptology

Hellenistic Burials Uncovered in Alexandria

<http://www.archaeology.org/news/5618-170609-egypt-alexandria-tombs>

Did children build the ancient Egyptian city of Amarna?

<https://www.theguardian.com/science/2017/jun/06/did-children-build-the-ancient-egyptian-city-of-armana->

General Science

Making flexible electronics with nanowire networks

https://theconversation.com/making-flexible-electronics-with-nanowire-networks-76260?utm_term=Autofeed&utm_campaign=Echobox&utm_medium=Social&utm_source=Twitter#link_time=1496627699

Amazon imagines a Future infinite computer power

https://www.wired.com/2017/06/amazon-imagines-future-infinite-computing-power/?mbid=nl_6717_p2&CNDID=41291302

Research alliance builds new transistor for 5nm technology

<https://phys.org/news/2017-06-alliance-transistor-5nm-technology.html>

Physics, Earth and Space Sciences

Physicists review three experiments that hint at a phenomenon beyond the Standard Model of particle physics

<https://phys.org/news/2017-06-physicists-hint-phenomenon-standard-particle.html>

String Theory's Weirdest Ideas finally make sense-Thanks to VR

https://www.wired.com/2017/06/string-theorys-weirdest-ideas-finally-make-sense-thanks-vr/?mbid=nl_6417_p7&CNDID=41291302

Extreme exoplanet: Astronomers discover alien world hotter than most stars

<https://phys.org/news/2017-06-extreme-exoplanet-astronomers-alien-world.html>

Physicists squeeze extra data from superfast X-ray probes using machine learning

<https://phys.org/news/2017-06-physicists-extra-superfast-x-ray-probes.html>

A 'diamond planet,' mining the moon and other ways billionaires plan to make a fortune in space

<http://www.cnn.com/2017/06/02/a-diamond-planet-and-other-ways-to-make-a-fortune-in-space.html>

Mars Was Habitable Between 3.8 and 3.1 Billion Years Ago: Study

<https://www.yahoo.com/news/mars-habitable-between-3-8-180003083.html>

Celestial boondocks: Study supports the idea we live in a void

<https://phys.org/news/2017-06-celestial-boondocks-idea-void.html>

The largest virtual universe ever simulated

<https://phys.org/news/2017-06-largest-virtual-universe-simulated.html>

What's Next for NASA's New Astronaut Class?

<https://www.scientificamerican.com/article/whats-next-for-nasa-s-new-astronaut-class/>

Environment, Climate Change and Alternative Energy Sources

The US is relocating an entire town because of climate change. And this is just the beginning
https://qz.com/994459/the-us-is-relocating-an-entire-town-because-of-climate-change-and-this-is-just-the-beginning/?utm_source=atfb

Can 'Bionic Leaf' Solve Our Climate, Energy Problems?
<https://www.nbcnews.com/mach/science/can-bionic-leaf-solve-our-climate-energy-problems-n766031>

UN Ocean Conference opens with calls for united action to reverse human damage
<http://www.un.org/apps/news/story.asp?NewsID=56905#.WTW15WczUdW>

Diplomats Gather to Replant Potomac Seagrass, Despite Trump's Retreat on Climate
https://www.seeker.com/earth/climate/diplomats-gather-to-replant-potomac-seagrass-despite-trumps-retreat-on-climate?utm_campaign=socialflow&utm_source=facebook&utm_medium=dnewssocial

World leaders double down on clean energy research, as U.S. holds out
<http://www.cbsnews.com/news/world-doubles-down-clean-energy-research/>

Concept could sustainably meet human resource needs of 'full Earth'
<https://phys.org/news/2017-06-concept-sustainably-human-resource-full.html>

Biological, Genetics and Medical Sciences

Nothing to report

Other

Wow! mystery signal from space finally explained
<https://phys.org/news/2017-06-wow-mystery-space.html>

Additional Informational

John Anthony West Crowdfund Campaign

<https://fundly.com/john-anthony-west-project>

There is no doubt about it On Ancient Near East Cylinder Seals Gods Give Live To Humans

https://www.academia.edu/7185919/There_is_no_doubt_about_it_On_Ancient_Near_East_Cylinder_Seals_Gods_Give_Live_To_Humans

Introduction to Emergency Preparedness for Performing Arts Organizations Webinar, June 29

<http://www.lyrasis.org/Pages/EventDetail.aspx?Eid=AEC1EE7F-CF47-E711-80D9-00155DA0E40B>

Space Photos of the Week: Saturn's Moon gets tipsy after Polar Wander

https://www.wired.com/2017/06/space-photos-week-saturns-moon-gets-tipsy-polar-wander/?mbid=nl_6417_p9&CNDID=41291302