

**Weekly Science Report
August 18, 2017**

**“You must not lose faith in humanity. Humanity is an ocean; if a few drops
of the ocean are dirty, the ocean does not become dirty.”**

Mahatma Gandhi

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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

Dinosaur that weighed the same as a Boeing 737 is biggest ever found

<https://www.usatoday.com/story/tech/science/2017/08/08/dinosaur-weighed-same-boeing-737-biggest-ever-found/546630001/>

Earliest-Known Winged Mammal Relatives Discovered In China

http://www.npr.org/2017/08/09/542078677/earliest-known-winged-mammal-relatives-discovered-in-china?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170810

Making old bones: Joint Mitnor cave reopens with replica fossils

<https://www.theguardian.com/science/2017/aug/07/making-old-bones-joint-mitnor-cave-reopens-with-replica-fossils>

Early humans may have seen a supervolcano explosion up close

https://www.newscientist.com/article/2142952-early-humans-may-have-seen-a-supervolcano-explosion-up-close/?utm_campaign=Echobox&utm_medium=Social&utm_source=Facebook#link_time=1502298373

History

On anniversary of Hiroshima bombing, UN chief calls for intensified effort on nuclear disarmament

http://www.un.org/apps/news/story.asp?NewsID=57316#.WZdqveTD_IV

On Cloth Scraps, Syrian Names Are Immortalized in Rust and Blood

<https://www.nytimes.com/2017/08/09/world/middleeast/mansour-omari-syria-prisons-holocaust-museum.html>

Bike ride remembered Tennessee's role in Trail of Tears

<http://www.tennessean.com/story/opinion/2017/08/03/bike-ride-remembered-tennessees-role-trail-tears/103829264/>

What Thomas Merton would say about war with North Korea

https://www.americamagazine.org/faith/2017/08/10/what-thomas-merton-would-say-about-war-north-korea?utm_content=bufferccc04&utm_medium=social&utm_source=facebook.com&utm_campaign=buffer

Fake heritage for the fake news era

http://theartnewspaper.com/comment/comment/fake-heritage-for-the-fake-news-era/?utm_source=The+Art+Newspaper+Newsletters&utm_medium=email&utm_campaign=363914737b-EMAIL_CAMPAIGN_2017_08_11&utm_term=0_c459f924d0-363914737b-60907441

A Brief, 500-Year History of Guam

<http://www.smithsonianmag.com/smithsonian-institution/brief-500-year-history-guam-180964508/#Lg3HIXsRMFJcD42H.99>

Food Historian Reckons With the Black Roots of Southern Food

<http://www.smithsonianmag.com/arts-culture/food-historian-reckons-black-roots-southern-food-180964285/>

The Berlin mosque breaking Islamic taboos

<http://www.bbc.com/news/world-europe-40802538>

Remembering Henry Johnson, the Soldier Called "Black Death"

<http://www.smithsonianmag.com/history/remembering-henry-johnson-the-soldier-called-black-death-117386701/>

Losing millions of dollars, Colonial Williamsburg makes 'difficult decisions'

<http://wtvr.com/2017/06/29/colonial-williamsburg-cuts/>

Meet the Art World's Antiquities Sleuth

<https://www.wsj.com/articles/meet-the-looted-antiquities-sleuth-1501694182>

A Cartoon's Black Star Prompts A Fight: What Did Roman Britain Look Like?

http://www.npr.org/sections/thetwo-way/2017/08/07/542077027/a-cartoons-black-star-prompts-a-fight-what-did-roman-britain-look-like?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170807

Lost at Sea on the Brink of the Second World War

http://www.newyorker.com/culture/culture-desk/lost-at-sea-on-brink-second-world-war?mbid=social_facebook_aud_dev_kw_paid-lost-at-sea-on-brink-second-world-war&kwp_0=485403&kwp_4=1751252&kwp_1=748310

'He should be as well-known as Schindler': Documents reveal Canadian citizen Julius Kuhl as Holocaust hero

https://beta.theglobeandmail.com/news/world/holocaust-oskar-schindler-julius-kuhl-canadian/article35896768/?ref=https://www.theglobeandmail.com&cmpid=rss1&click=sf_globe&service=mobile

US Exhibit on Khmer Rouge Atrocities Aims to Prevent Another Genocide

<https://www.voanews.com/a/exhibit-khmer-rouge-atrocities-prevent-genocide/3974209.html>

Bosnian War rape survivors speak of their suffering 25 years on

http://www.independent.co.uk/news/long_reads/bosnia-war-rape-survivors-speak-serbian-soldiers-balkans-women-justice-suffering-a7846546.html

DB Cooper mystery: 'Potential' physical evidence uncovered in search

<http://www.msn.com/en-us/news/us/db-cooper-mystery-potential-physical-evidence-uncovered-in-search/ar-AApNDIZ?ocid=ob-fb-enus-580>

WWII veteran, 93, brings back flag taken from enemy soldier

<http://www.msn.com/en-us/news/us/wwii-veteran-93-brings-back-flag-taken-from-enemy-soldier/ar-AApRhQI?ocid=ob-fb-enus-580>

Gen. MacArthur witnessed Trump-style 'fire and fury' in Korea, and it sickened him

<http://www.msn.com/en-us/news/world/gen-macarthur-witnessed-trump-style-%E2%80%99fire-and-fury%E2%80%99-in-korea-and-it-sickened-him/ar-AApQ5K2?ocid=ob-fb-enus-580>

Family bonds survive India-Pakistan split, but for how long?

<https://apnews.com/d6b7085c8f5d410e977bbefa004f5ed2>

This Map Shows Over a Century of Documented Lynchings in the United States

<http://www.smithsonianmag.com/smart-news/map-shows-over-a-century-of-documented-lynchings-in-united-states-180961877/>

War crimes court orders Mali radical to pay €2.7m for Timbuktu rampage

<https://www.theguardian.com/world/2017/aug/17/war-crimes-court-icc-orders-mali-radical-pay-damages-timbuktu-rampage-ahmad-al-faqi-al-mahdi>

Christians in Iraq are 'on the brink of extinction.' Here's what faith groups are doing to fix that

<https://www.usatoday.com/story/news/politics/2017/08/17/christians-iraq-on-brink-extinction-heres-what-faith-groups-doing-fix/560504001/>

New Group Works to Preserve Apollo Lunar Landing Sites

https://www.scientificamerican.com/article/new-group-works-to-preserve-apollo-lunar-landing-sites/?utm_source=facebook&utm_medium=social&utm_campaign=sa-editorial-social&utm_content&utm_term=space

Here's Why Robert E. Lee Opposed Putting Up Confederate Monuments

<http://time.com/4903671/charlottesville-robert-lee-confederate-monuments-history/>

Archaeology

Culture war: How US forces protect heritage sites while purging ISIS

<https://www.armytimes.com/opinion/commentary/2017/08/04/culture-war-how-us-forces-protect-heritage-sites-while-purging-isis/#.WYUINbexDvE.twitter>

Texas Archaeology Team Dives to Assess Florida's Unique Underwater Site

<http://news.wgcu.org/post/texas-archaeology-team-dives-assess-floridas-unique-underwater-site>

Argonne uses digital tools to preserve Southwestern cultural heritage

<https://phys.org/news/2017-08-argonne-digital-tools-southwestern-cultural.html>

Luna Site Confirmed As Largest Mid-16th Century Spanish Settlement In The Southeast

<http://wuwf.org/post/luna-site-confirmed-largest-mid-16th-century-spanish-settlement-southeast>

Is this unearthed fishing village the birthplace of three of Jesus' apostles?

<https://www.usatoday.com/story/news/world/2017/08/08/unearthed-fishing-village-birthplace-3-jesus-apostles/546094001/>

Iraq steps up efforts to restore lost heritage at ancient Nimrud

<http://www.al-monitor.com/pulse/originals/2017/08/iraq-nimrud-archaeology-isis-reconstruction.html>

This Taiwanese Museum Just Digitized Its Massive Collection of Chinese Art

<http://www.smithsonianmag.com/smart-news/taiwanese-museum-just-digitized-its-massive-collection-chinese-art-180964257/#taemAJZvgCJqj4Aq.01>

New Analysis Indicates Early Britons Engaged in Ritualistic Cannibalism

<http://www.smithsonianmag.com/smart-news/engravings-indicate-ritualistic-cannibalism-cheddar-gorge-180964468/#kiu80OFX9ZrOC4xE.01>

Physicists shed light on rarely seen 16th-century metal-working technique

<https://phys.org/news/2017-08-physicists-rarely-16th-century-metal-working-technique.html>

Huge Ancient Statue of Iron Age Goddess Discovered

<http://www.msn.com/en-us/news/world/huge-ancient-statue-of-iron-age-goddess-discovered/ar-AApRNq9?li=BBnb7Kz&ocid=SL5FDHP>

Archaeologists uncover ancient trading network in Vietnam

<http://www.anu.edu.au/news/all-news/archaeologists-uncover-ancient-trading-network-in-vietnam>

Egyptology

Missing Pieces from Statues of King Tut's Grandparents Found

<https://www.cbsnews.com/news/missing-pieces-from-statues-of-king-tuts-grandparents-found/>

General Science

Nothing to report

Physics, Earth and Space Sciences

Solar eclipse by zip code: Find out if you live in the path

<https://www.usatoday.com/story/tech/science/2017/08/04/solar-eclipse-zip-code-find-out-if-you-live-path/540948001/>

New NASA Tech Kills Trespassing Drones Without Touching Them

<https://www.wired.com/story/nasa-tech-kills-trespassing-drones?platform=hootsuite>

Forty years later, a look back at Voyager

<http://www.houstonchronicle.com/local/gray-matters/article/Scientists-reflect-on-Voyager-mission-on-40th-11741949.php>

Vendors may be selling 'fake' solar eclipse glasses. Here's how to make sure yours are real.

https://www.washingtonpost.com/news/capital-weather-gang/wp/2017/08/04/vendors-may-be-selling-fake-solar-eclipse-glasses-heres-how-to-make-sure-yours-are-real/?utm_term=.11f6ac8f2c33

Elon Musk Confirms SpaceX Is On Track to Send Humans Into Space

<http://fortune.com/2017/08/03/spacex-astronauts/>

Astronaut twins study shows space travel causes premature aging

http://www.orlandosentinel.com/news/space/go-for-launch/os-astronaut-twins-study-shows-space-travel-causes-premature-aging-20170802-story.html?utm_campaign=trueAnthem%3A+Trending+Contentutm_content=5987c9a600bd470007f6c37butm_medium=trueAnthemutm_source=facebook

Trump's space leader says SpaceX is outstanding, but...

<https://arstechnica.com/science/2017/08/the-new-leader-of-trumps-space-council-seems-skeptical-of-spacex/>

NASA's Intrepid Mars Rover, Opportunity, Is Destined for Risky Mission

<https://ww2.kqed.org/science/2017/08/04/nasas-opportunity-rover-thirteen-years-on-mars-and-still-going/>

Calling the Moon: Startup to Put Cellphone Tower on the Moon

<https://www.space.com/37753-calling-the-moon-cell-phone-tower.html>

Inside the Ambitious, Absurd, Technically Feasible Plan to Send a Spacecraft to Our Neighbor Star

<http://www.msn.com/en-us/news/technology/inside-the-ambitious-absurd-technically-feasible-plan-to-send-a-spacecraft-to-our-neighbor-star/ar-BBEipYs?ocid=ob-fb-enus-580>

Scientists discover 91 volcanoes below Antarctic ice sheet

<https://www.theguardian.com/world/2017/aug/12/scientists-discover-91-volcanos-antarctica>

NASA's Rocket to Nowhere Finally Has a Destination

https://www.wired.com/story/nasas-rocket-to-nowhere-finally-has-a-destination?mbid=nl_81717_p1&CNDID=41291302

Environment, Climate Change and Alternative Energy Sources

Under Trump, Coal Mining Gets New Life on U.S. Lands

<https://www.nytimes.com/2017/08/06/us/politics/under-trump-coal-mining-gets-new-life-on-us-lands.html?smid=fb-nytimes&smtyp=cur>

Scientists Fear Trump Will Dismiss Blunt Climate Report

<https://www.nytimes.com/2017/08/07/climate/climate-change-drastic-warming-trump.html>

An art installation about rising seas sank into a Philly river

<https://grist.org/briefly/an-art-installation-about-rising-seas-sank-into-a-philly-river/>

2016 Hit Records For Global Temperature And Climate Extremes

http://www.npr.org/sections/thetwo-way/2017/08/10/542720189/2016-hit-records-for-global-temperature-and-climate-extremes?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170810

Trump pick Sam Clovis stoked birther conspiracy, called Eric Holder a 'racist black'

<http://www.cnn.com/2017/08/10/politics/kfile-sam-clovis-on-the-radio/index.html?sr=fbCNN081017kfile-sam-clovis-on-the-radio1230PMStoryLink>

It's something in the water: LLNL scientists extract hydrogen as potential fuel source

<https://www.llnl.gov/news/it%E2%80%99s-something-water-llnl-scientists-extract-hydrogen-potential-fuel-source>

Extreme Weather Is Threatening Museums Around the Globe. Here's What They're Doing About It.

https://news.artnet.com/art-world/climate-change-museums-plan-of-action-1049993?utm_content=from_artnetnewsbar&utm_source=Sailthru&utm_medium=email&utm_campaign=Combined%20Newsletter%20for%208/15&utm_term=artnet%20News%20Daily%20Newsletter%20USE

California Scientists Push to Create Massive Climate Research Program

<https://www.scientificamerican.com/article/california-scientists-push-to-create-massive-climate-research-program/>

Tesla Is Turning Kauai Into a Renewable Energy Paradise

https://www.wired.com/story/tesla-is-turning-kauai-into-a-renewable-energy-paradise?mbid=nl_81017_p6&CNDID=41291302

Biological, Genetics and Medical Sciences

New approach makes it easier to find novel drugs

<https://phys.org/news/2017-08-approach-easier-drugs.html>

A FIRST: NEW WEBSITE REVEALS ORIGIN OF GENETIC SAMPLES AND DATE COLLECTED

<http://insider.si.edu/2017/08/first-new-website-reveals-origin-genetic-samples-time-collected/>

This Robotic Harness Could Help People Relearn to Walk After Injury

<http://www.smithsonianmag.com/innovation/robotic-harness-help-paralyzed-walk-180964323/#RsFtDPx6ecFzoomZ.01>

This doctor put a 3D printed skull bone into a man's head. It could mark a new era.

<https://www.usatoday.com/story/tech/nation-now/2017/08/07/3-d-printed-skull-bone-mans-head-could-mark-new-era-medicine/545184001/>

Breakthrough device heals organs with a single touch

<https://medicalxpress.com/news/2017-08-breakthrough-device.html>

Other

Reengineering elevators could transform 21st-century cities

<https://theconversation.com/reengineering-elevators-could-transform-21st-century-cities-81439>

Additional Informational

John Anthony West Crowdfund Campaign
<https://fundly.com/john-anthony-west-project>

Statement on Confederate Memorials: Confronting Difficult History
https://savingplaces.org/press-center/media-resources/national-trust-statement-on-confederate-memorials#.WZdvpOTD_IX

Modern Mysteries: The Prehistoric Towers of Hovenweep National Monument
<https://www.nationalparks.org/connect/blog/modern-mysteries-prehistoric-towers-hovenweep-national-monument>

PLATEAU PEOPLES' WEB PORTAL
<http://plateauportal.libraries.wsu.edu/>

The Banality of Evil: Why We Must Respond Forcefully to Racism
<http://rabbijoeblack.blogspot.com/2017/08/the-banality-of-evil-why-we-respond.html?m=1>

Ultraconserved words point to deep language ancestry across Eurasia
<http://www.pnas.org/content/110/21/8471/T1.expansion.html>

24 Extraordinary Photos of Immigrants Passing Though Ellis Island
https://www.buzzfeed.com/gabrielsanchez/24-extraordinary-photos-of-immigrants-passing-though-ellis-i?utm_term=.kcP7b8bYbb#.pf4bEKEBEE

Fake news: sound bites on a burning topic
<http://en.unesco.org/courier/2017-july-september/fake-news-sound-bites-burning-topic?language=es>

Solar Pumping: A Cheaper and Cleaner Way to Access Groundwater
<http://www.worldbank.org/en/news/video/2016/12/19/solar-pumping>

Mahatma Gandhi: 'Soldier of peace'
<http://edition.cnn.com/2017/08/08/asia/gallery/gandhi-inspiring-quotes/index.html?sr=twCNN081117gallery1122AMStoryGal>

National Geographic Fellow Sarah Parcak Wins Antiquity Prize 2017
<https://www.nationalgeographic.org/newsroom/national-geographic-fellow-sarah-parcak-wins-antiquity-prize-2017>