

Weekly Science Report

February 3, 2017

“Our culture has accepted two huge lies. The first is that if you disagree with someone’s lifestyle, you must fear or hate them. The second is that to love someone means you agree with everything they believe or do. Both are nonsense. You don’t have to compromise convictions to be compassionate.”

Rick Warren

Table of Contents

Introduction	2
News Articles	3
Paleontology, Evolution and Prehistoric Studies	3
History	4
Archaeology	6
Egyptology	7
General Science	8
Physics, Earth and Space Sciences	9
Environment, Climate Change and Alternative Energy Sources	10
Biological, Genetics and Medical Sciences	11
Other	12
Additional Informational	13

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

Bag-like sea creature was humans' oldest known ancestor

<https://phys.org/news/2017-01-bag-like-sea-creature-humans-oldest.html>

Baltic hunter-gatherers began farming without influence of migration, ancient DNA suggests

https://www.eurekalert.org/pub_releases/2017-02/tcd-bhb020117.php

Ancient DNA reveals 'continuity' between Stone Age and modern populations in East Asia

https://www.eurekalert.org/pub_releases/2017-02/uoc-adr013117.php

Anthropologists uncover art by (really) old masters -- 38,000 year-old engravings

https://www.eurekalert.org/pub_releases/2017-01/nyu-aua012717.php

History

Cipher War: After a century of failing to crack an ancient script, linguists turn to machines

<http://www.theverge.com/2017/1/25/14371450/indus-valley-civilization-ancient-seals-symbols-language-algorithms-ai>

Two women, one cause

<https://www.1843magazine.com/features/two-women-one-cause>

Germany struggles with remnants of the Reich

<http://www.csmonitor.com/World/Europe/2016/0228/Germany-struggles-with-remnants-of-the-Reich?cmpid=FB>

Poland puts detailed list of Auschwitz SS guards online

https://www.washingtonpost.com/world/europe/poland-puts-detailed-list-of-auschwitz-ss-guards-online/2017/01/30/e2938090-e6e5-11e6-903d-9b11ed7d8d2a_story.html?tid=ss_tw-bottom&utm_term=.6dab203b7913

Historians' global research project reconstructs slavery's stolen lives

<http://www.usatoday.com/story/news/nation-now/2017/01/31/historians-global-research-project-reconstructs-slaverys-stolen-lives/97312150/>

Priest uncovers more horrors of Holocaust

<http://www.kare11.com/mb/entertainment/television/programs/breaking-the-news/priest-uncovers-more-horrors-of-holocaust/393692650>

Calling the Holocaust 'sad' is the first step towards denying it ever happened

https://www.theguardian.com/commentisfree/2017/jan/30/calling-the-holocaust-sad-is-the-first-step-towards-denying-it-ever-happened?CMP=fb_gu

How an unknown monumental palace rewrites ancient Greek history

<http://www.haaretz.com/archaeology/1.768416>

The Children Who Went Up In Smoke

http://www.smithsonianmag.com/history/the-children-who-went-up-in-smoke-172429802/?utm_source=twitter.com&utm_medium=socialmedia

The Mass Shooting That Reshaped the Canadian Debate About Guns and Political Identity

<http://www.smithsonianmag.com/history/mass-shooting-reshaped-canadian-debate-about-guns-and-political-identity-180962013/>

What the Director of the African American History Museum Says About the New Emmett Till Revelations

<http://www.smithsonianmag.com/smithsonian-institution/what-director-african-american-history-museum-says-about-new-emmett-till-revelations-180962025/>

Caterina Sforza: Fearless Regent and Scientist of 15th-Century Italy

<https://www.neh.gov/humanities/2017/winter/curio/caterina-sforza-fearless-regent-and-scientist-15th-century-italy>

Climate change drove population decline in New World before Europeans arrived

https://www.eurekalert.org/pub_releases/2017-01/iuui-isc013117.php

The ancient Indus civilization's adaptation to climate change

https://www.eurekalert.org/pub_releases/2017-01/uoc-tai012617.php

Scientists unlock secrets of oldest surviving global trade map

<https://phys.org/news/2017-02-scientists-secrets-oldest-surviving-global.html>

Ancient barley seeds give insight into history of Canary Islands

<http://www.pasthorizonspr.com/index.php/archives/01/2017/ancient-barley-seeds-give-insight-into-history-of-canary-islands>

Archaeology

Ancient Mayan Superhighways Found in the Guatemala Jungle

<http://www.seeker.com/ancient-mayan-superhighways-found-in-the-guatemala-jungle-2219303581.html>

'Priceless' ancient artefacts found hidden in Isil commander's house in Mosul

<http://www.telegraph.co.uk/news/2017/01/26/priceless-ancient-artifacts-found-hidden-isil-commanders-house/>

Spain's drought reveals lost worlds

<http://www.aljazeera.com/indepth/inpictures/2017/01/spain-drought-reveals-lost-worlds-170128072138481.html>

A no-strike list may shield Yemen's ancient treasures from war

<https://www.newscientist.com/article/2118745-a-no-strike-list-may-shield-yemens-ancient-treasures-from-war/?platform=hootsuite>

Archeologists may have unearthed King Solomon's legendary mines

<http://www.usatoday.com/videos/news/2017/01/27/archeologists-may-have-unearthed-king-solomon's-legendary-mines/97132300/>

Rock Art Sites Discovered in Tibet

<http://www.archaeology.org/news/5250-170203-tibet-rock-art>

Abu Dhabi archaeologists unearth rare, well-preserved Stone Age house

<http://www.thenational.ae/uae/heritage/abu-dhabi-archaeologists-unearth-rare-well-preserved-stone-age-house>

Iron Age secrets exhumed from riches-filled crypt

<https://www.sciencenews.org/article/iron-age-secrets-exhumed-riches-filled-crypt>

Scientists divided over whether 'Furku.AI' rock inscription is genuinely the work of Vikings

<http://www.telegraph.co.uk/news/2017/01/22/scientists-divided-whether-furkual-rock-inscription-genuinely/>

Egyptology

Ancient Egyptian's Baboon Obsession Laid Hidden Within Luxor Tomb

<http://www.seeker.com/ancient-egyptians-baboon-obsession-laid-hidden-within-luxor-tomb-2232890200.html>

General Science

Inside the "tunnel" Elon Musk is building under Los Angeles

https://www.wired.com/2017/01/inside-tunnel-elon-musk-already-digging-los-angeles/?mbid=nl_13117_p2&CNDID=41291302

AI is about to learn more like Humans-with a little uncertainty

https://www.wired.com/2017/02/ai-learn-like-humans-little-uncertainty/?mbid=nl_2317_p1&CNDID=41291302

India is planning to give free WiFi to more than 1,000 villages

<http://money.cnn.com/2017/01/30/technology/india-free-wifi-villages/index.html?sr=fbcnni013017india-free-wifi-villages0930AMStoryLink&linkId=33912467>

Tech companies pull ads from Breitbart

<http://www.cbsnews.com/news/tech-companies-boycott-breitbart/>

Quantum computer 'construction plan' drawn up

<http://www.bbc.com/news/science-environment-38811255>

March for Science Set for Earth Day

<https://www.scientificamerican.com/article/march-for-science-set-for-earth-day/>

Physics, Earth and Space Sciences

First results on Scott Kelly after year in space reveal space travel changes DNA

<http://www.usatoday.com/story/news/nation-now/2017/01/31/going-into-space-affects-dna-astronaut-twins/97295132/>

What a Japanese spacecraft saw on Venus is literally a huge discovery

http://www.blastr.com/2017-1-25/akatsuki-venus-gravity-waves?_source=Blastr_True_Anthem_Blastr_Facebook&utm_campaign=trueAnthem:+Trending+Content&utm_content=588ec85504d3013c23b2c8bd&utm_medium=trueAnthem&utm_source=facebook

Long-lost continent found submerged deep under Indian Ocean

https://www.newscientist.com/article/2119963-long-lost-continent-found-submerged-deep-under-indian-ocean/?utm_medium=Social&utm_campaign=Echobox&utm_source=Twitter&utm_term=Autofeed&cmpid=SOC%7cSNS%7c2017-Echobox#link_time=1485907263

Milky Way galaxy is being pushed across the universe

<http://www.cnn.com/2017/01/31/world/milky-way-dipole-repeller-space-trnd/index.html?sr=fbCNN020117milky-way-dipole-repeller-space-trnd0631AMStoryGalLink&linkId=33995864>

The rare phenomenon that lit up Wyoming's sky

<http://www.cbsnews.com/news/the-rare-phenomenon-that-lit-up-wyomings-sky-this-week/>

Physicists reach milestone in atomic observation

<http://www.cbsnews.com/news/physicists-reach-milestone-particle-atom-cell-observation/>

Scientists record breach in magnetic field

<http://www.bbc.com/news/science-environment-38849147>

How Many People Would We Need To Colonize Another Earth?

<http://www.seeker.com/how-many-people-would-we-need-to-colonize-another-earth-2233477743.html>

Earth's water may have originally been formed deep within its mantle, study shows

<https://phys.org/news/2017-02-earth-deep-mantle.html>

Researchers model superluminous supernova in 2-D for the first time

<https://phys.org/news/2017-02-superluminous-supernova-d.html>

150-Year Journey to Alpha Centauri Proposed

<https://www.scientificamerican.com/article/150-year-journey-to-alpha-centauri-proposed-video/>

Environment, Climate Change and Alternative Energy Sources

Hawaii Aims For 100 Percent Renewable Energy by 2045

https://www.globalcitizen.org/en/content/hawaii-renewable-energy-2045/?utm_source=facebook&utm_medium=social&utm_content=global&utm_campaign=general-content&linkId=33869669

Ireland is set to become the first country to completely stop funding fossil fuels

<http://www.sciencealert.com/ireland-is-set-to-become-the-first-country-to-completely-stop-funding-fossil-fuels>

US utilities seek sun as Trump sides with coal, fossil fuels

<https://apnews.com/6b1eb78d85fc4c6b82f13194aa150fb4/US-utilities-seek-sun-as-Trump-sides-with-coal,-fossil-fuels>

Former Park Service director speaks out against Trump administration

https://www.washingtonpost.com/powerpost/former-park-service-director-speaks-out-against-trump-administration/2017/01/30/5db07e98-e738-11e6-bf6f-301b6b443624_story.html?tid=sm_fb&utm_term=.5f676d51cb9a

Tesla batteries help power small North Carolina island

<http://www.utilitydive.com/news/tesla-batteries-help-power-small-north-carolina-island/434536/>

After a massive backlash, a Republican yanks his bill to sell off public lands

<http://www.vox.com/energy-and-environment/2017/2/2/14479462/chaffetz-public-lands-backlash>

Car ban fails to curb air pollution in Mexico City

<http://www.bbc.com/news/science-environment-38840076>

Flipping the switch on ammonia production: Process generates electricity instead of consuming energy

<https://phys.org/news/2017-02-flipping-ammonia-production-electricity-consuming.html>

Scientists Develop a "Better Way" to Produce Renewable Hydrogen

<https://blogs.scientificamerican.com/plugged-in/scientists-develop-a-better-way-to-produce-renewable-hydrogen/>

Biological, Genetics and Medical Sciences

World's smallest porpoise on brink of extinction, scientists warn

<https://www.yahoo.com/news/mexicos-vaquita-porpoise-close-extinction-30-left-020711892.html>

The Loneliest Whale in the World?

<http://www.washingtonpost.com/sf/style/2017/01/26/the-loneliest-whale-in-the-world/>

Fantasy No Longer: Blood Biopsies Detect Tumor DNA, Could Catch Cancer Earlier

<http://www.wbur.org/commonhealth/2017/01/30/blood-biopsies-cancer-dna>

Mystery radiation 'clouds' may pose risk to air travelers

<https://www.newscientist.com/article/2120295-mystery-radiation-clouds-may-pose-risk-to-air-travellers/>

Other

"I was a stranger and you did not welcome me."

<http://www.americamagazine.org/faith/2017/01/28/i-was-stranger-and-you-did-not-welcome-me>

Tenn. Governor Seeks Free Community College For All Adults

http://www.npr.org/sections/thetwo-way/2017/01/31/512617450/tenn-governor-seeks-free-community-college-for-all-adults?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170131

Getting Personal

https://www.wired.com/brandlab/2017/01/getting-personal/?mbid=nl_2217_p3&CNDID=41291302

Additional Informational

Building a toolbox for nonviolent resistance: MLTalks with Jamila Raqib and Joi Ito- Video
<https://www.youtube.com/watch?v=XMv9QjDZwjQ>

1945-2015 Rebuilding Dresden
http://mashable.com/2017/01/28/rebuilding-dresden/?utm_cid=hp-h-15

The Great Pyramid Hoax: The Conspiracy to Conceal the True History of Ancient Egypt
<https://www.amazon.com/Great-Pyramid-Hoax-Conspiracy-Conceal/dp/159143789X/>