

Weekly Science Report

October 6, 2017

**“These virtues do not have ineffable meaning, but offer a sense of morality-
a way to be, and a way to behave, as a member of the human family.”**

Her Majesty Queen Rania Al Abdullah of the Kingdom of Jordan on being Muslim

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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

Ancient Fossils Reveal the First Humans Emerged 170,000 Years Earlier than We Thought
<http://www.newsweek.com/first-modern-humans-homo-sapiens-emerged-africa-674163>

Scandinavia's earliest farmers exchanged terminology with Indo-Europeans
<https://phys.org/news/2017-09-scandinavia-earliest-farmers-exchanged-terminology.html>

Evidence suggests life on Earth started after meteorites splashed into warm little ponds
<https://phys.org/news/2017-10-evidence-life-earth-meteorites-splashed.html>

Neanderthal DNA may influence these human traits
<https://www.cbsnews.com/news/neanderthal-dna-may-influence-human-traits/>

Prehistoric humans are likely to have formed mating networks to avoid inbreeding
https://www.eurekalert.org/pub_releases/2017-10/fos--pha100517.php

Ancient humans left Africa to escape drying climate
https://www.eurekalert.org/pub_releases/2017-10/uoa-ahl100417.php

Ornamented artifact may indicate long-distance exchange between Mesolithic communities
https://www.eurekalert.org/pub_releases/2017-10/p-oam092817.php

Meet the hominin species that gave us genital herpes
https://www.eurekalert.org/pub_releases/2017-10/uoc-mth092717.php

Mapping the thylacine's mysterious loss from mainland
https://www.eurekalert.org/pub_releases/2017-09/uoa-mtt092817.php

Exploding stars could have kick-started our ancestors' evolution
<https://www.newscientist.com/article/2149763-exploding-stars-could-have-kick-started-our-ancestors-evolution/>

History

Hemingway's First Short Story Found in Key West

<https://www.nytimes.com/2017/09/29/books/hemingway-first-story-found-in-florida.html?smid=fb-nytimes&smtyp=cur>

Puerto Rico's museums on the mend

<http://theartnewspaper.com/news/puerto-rico-s-museums-on-the-mend>

Were Pagan Temples All Smashed Or Just Converted Into Christian Ones?

<https://www.forbes.com/sites/drsarahbond/2017/10/07/were-pagan-temples-all-smashed-or-just-converted-into-christian-ones/#28ae39194f9f>

American women died in Vietnam, too

https://theconversation.com/american-women-died-in-vietnam-too-84405?utm_campaign=Echobox&utm_medium=Social&utm_source=Twitter#link_time=1506966896

Nashville Holocaust survivor finally forgives her mom for doing the right thing

<https://www.usatoday.com/story/life/2017/10/07/nashville-holocaust-survivor-finally-forgives-her-mom-doing-right-thinshares-story-hiding-nazis-chil/729609001/>

Did Teddy Evans fatally undermine Scott of the Antarctic?

https://www.eurekalert.org/pub_releases/2017-10/uons-dte100517.php

3,200-Year-Old Stone Inscription Tells of Trojan Prince, Sea People

<https://www.livescience.com/60629-ancient-inscription-trojan-prince-sea-people.html>

A Territorial Land Grab That Pushed Native Americans to the Breaking Point

<https://www.smithsonianmag.com/smithsonian-institution/territorial-grab-pushed-native-americans-breaking-point-180965142/>

How the American Women Codebreakers of WWII Helped Win the War

<https://www.smithsonianmag.com/history/how-women-codebreakers-wwii-helped-win-war-180965058/>

Czar's Treasures? Mystery 'Antiques' Sent to US at End of Cold War

<https://www.livescience.com/60563-mystery-antiques-sent-to-us.html>

Archaeology

Ancient Statue Damaged by ISIS Now on Display in Damascus

<https://www.haaretz.com/archaeology/1.815115>

US court to decide on terror victims' claim on lent artefacts

<http://theartnewspaper.com/news/us-court-to-decide-on-terror-victims'-claim-on-lent-artefacts>

Antikythera shipwreck yields statue pieces and mystery bronze disc

<https://www.nature.com/news/antikythera-shipwreck-yields-statue-pieces-and-mystery-bronze-disc-1.22735>

Archaeologists find Santa Claus's tomb, in ancient Turkish church

<http://www.wionews.com/world/archaeologists-find-santa-clauss-tomb-in-ancient-turkish-church-20997>

In Gaza, Hamas levels an ancient treasure

<https://phys.org/news/2017-10-gaza-hamas-ancient-treasure.html>

Athenia: Is this the wreck of the first British ship torpedoed in WW2?

<http://www.bbc.com/news/science-environment-41503664>

Bones reveal social differences between the people buried in dolmens and those in caves

https://www.eurekalert.org/pub_releases/2017-10/uotb-brs100317.php

Painted Worlds

<https://www.archaeology.org/issues/268-1709/features/5815-peru-panamarca-moche>

Disposable Gods

<https://www.archaeology.org/issues/269-1709/from-the-trenches/5822-trenches-lebanon-phoenician-ceramic-heads>

Connecting Two Realms

<https://www.archaeology.org/issues/266-1707/letter-from/5653-letter-from-peru-spiral-temples>

Mysterious Stone Tools Unearthed at Bronze-Age Site in Wales

<https://www.livescience.com/60606-stone-tools-unearthed-at-bronze-age-site.html>

Egyptology

Archaeologists Find Rare Pet Cemetery In Ancient Egypt

<https://www.forbes.com/sites/kristinakilgrove/2017/10/04/archaeologists-find-rare-pet-cemetery-in-ancient-egypt/#6c081a236165>

Egypt's Final Redoubt in Canaan

<https://www.archaeology.org/issues/262-1707/features/5627-jaffa-egypt-canaan-colony>

Egypt unearths 4,300-year-old Pharaonic obelisk in Giza

http://news.xinhuanet.com/english/2017-10/05/c_136659045.htm

General Science

'You have to be a computer genius': Trump likened the Navy's new catapult technology to learning the seat controls in a new car

https://www.yahoo.com/news/computer-genius-trump-likened-navys-010052132.html?utm_content=bufferab410&utm_medium=social&utm_source=facebook.com&utm_campaign=buffer

Silicon Isn't Just for Computers. It Can Make a Pretty Good

https://www.wired.com/story/artificial-kidneys?mbid=nl_100617_daily

Scientists pinpoint the singularity for quantum computers

<https://phys.org/news/2017-10-scientists-singularity-quantum.html>

Bacteria with synthetic gene circuit self-assemble to build working device with gold nanoparticles

<https://phys.org/news/2017-10-bacteria-synthetic-gene-circuit-self-assemble.html>

Physics, Earth and Space Sciences

Dear Elon Musk: Your dazzling Mars plan overlooks some big nontechnical hurdles

<https://theconversation.com/dear-elon-musk-your-dazzling-mars-plan-overlooks-some-big-nontechnical-hurdles-84948>

The world's oldest scientific satellite is still in orbit

<http://www.bbc.com/future/story/20171005-the-worlds-oldest-scientific-satellite-is-still-in-orbit?ocid=ww.social.link.twitter>

The Higgs Boson's Twin Could Reveal Our Universe's Dark

https://www.wired.com/story/hidden-higgs-dark-sector?mbid=nl_100117_daily&CNDID=%%CUST_ID%%

Mars study yields clues to possible cradle of life

<https://phys.org/news/2017-10-mars-yields-clues-cradle-life.html>

SpaceX rocket launches 10 Iridium NEXT satellites

<https://www.cbsnews.com/news/spacex-rocket-launches-10-iridium-satellites/>

New Observations Deepen Mystery of "Alien Megastructure" Star

<https://www.scientificamerican.com/article/new-observations-deepen-mystery-of-ldquo-alien-megastructure-rdquo-star/>

Environment, Climate Change and Alternative Energy Sources

Why people around the world fear climate change more than Americans do

<https://theconversation.com/why-people-around-the-world-fear-climate-change-more-than-americans-do-82630>

Heating Dirt Could Cause a Runaway Rise in Carbon Emissions

https://www.wired.com/story/soil-atmosphere-feedback-loop?mbid=nl_100717_daily

New nanomaterial can extract hydrogen fuel from seawater

<https://phys.org/news/2017-10-nanomaterial-hydrogen-fuel-seawater.html>

How Danish architects are creating world's first carbon-neutral city

<https://www.cbsnews.com/news/how-danish-architects-are-creating-worlds-first-carbon-neutral-city/>

Biological, Genetics and Medical Sciences

25 species, including Pacific walrus, denied endangered protection by Trump administration

<https://www.usatoday.com/story/tech/science/2017/10/04/trump-administration-denies-endangered-species-protection-pacific-walrus-and-two-dozen-oth-25-specie/732704001/>

Searching for Lost Memories Under Thousands of Microscopes

https://www.wired.com/story/searching-for-lost-memories-under-thousands-of-microscopes?mbid=nl_093017_daily&CNDID=%%CUST_ID%%

Preventing autoimmune disease after a viral infection

<https://medicalxpress.com/news/2017-10-autoimmune-disease-viral-infection.html>

Liquid biopsy may be new way to detect liver cancer earlier, easier

<https://medicalxpress.com/news/2017-10-liquid-biopsy-liver-cancer-earlier.html>

Other

Nothing to report

Additional Informational

Life as an Infectious Diseases Physician Scientist: Science is Humanity's Lifeline

https://academic.oup.com/jid/article/216/suppl_5/S611/4160387/Life-as-an-Infectious-Diseases-Physician-Scientist?utm_content=buffer8079&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer

Archaeologists Are Hot on the Trail of These 16 Spectacular Mysteries

<https://www.livescience.com/60628-spectacular-archaeology-mysteries.html>