

**Weekly Science Report  
October 21, 2016**

**“If your actions inspire others to dream more, learn more, do more and  
become more,  
you are a leader.”**

John Quincy Adams

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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

The world's oldest observatory? How Aboriginal astronomy provides clues to ancient life  
<http://www.abc.net.au/news/2016-10-12/aboriginal-astronomy-provides-clues-to-ancient-life/7925024>

Ancient 'Kennewick Man' remains returned to Columbia River tribes  
<http://ht.ly/HbRV3056Bi3>

Archaeology team makes world-first tool discovery  
[http://phys.org/news/2016-08-archaeology-team-world-first-tool-discovery.html?utm\\_content=buffer71531&utm\\_medium=social&utm\\_source=linkedin.com&utm\\_campaign=buffer](http://phys.org/news/2016-08-archaeology-team-world-first-tool-discovery.html?utm_content=buffer71531&utm_medium=social&utm_source=linkedin.com&utm_campaign=buffer)

Early fossil fish from China shows where our jaws came from  
<http://phys.org/news/2016-10-early-fossil-fish-china-jaws.html>

Cave paintings reveal clues to mystery Ice Age beast  
<http://www.bbc.com/news/science-environment-37649597>

Cave art: Etchings hailed as 'Iberia's most spectacular'  
<http://www.bbc.com/news/world-europe-37654544?SThisFB>

Dinosaur National Monument: A Treasure Trove of History  
<https://www.nationalparks.org/connect/blog/dinosaur-national-monument-treasure-trove-history>

Ancient hominid 'hanky panky' also influenced spread of STIs  
<http://phys.org/news/2016-10-ancient-hominid-hanky-panky-stis.html>

The Higgs Bison—mystery species hidden in cave art  
<http://phys.org/news/2016-10-higgs-bisonmystery-species-hidden-cave.html>

Your Neanderthal DNA might actually be doing you some good  
<https://www.washingtonpost.com/news/speaking-of-science/wp/2016/10/19/your-neanderthal-dna-might-actually-be-doing-you-some-good/>

How the First Farmers Changed History  
<http://www.nytimes.com/2016/10/18/science/ancient-farmers-archaeology-dna.html?rref=collection%2Fsectioncollection%2Fscience&action=click&contentCollection=science&region=rank&module=package&version=highlights&contentPlacement=2&pgtype=sectionfront&r=0>

## History

A new Quran attempts to bridge divide between Christians and Muslims

<http://religionnews.com/2016/10/06/a-new-quran-attempts-to-bridge-divide-between-christians-and-muslims/>

Obama Administration Exceeds Ambitious Goal to Restore 500,000 Acres of Tribal Homelands

<https://www.doi.gov/pressreleases/obama-administration-exceeds-ambitious-goal-restore-500000-acres-tribal-homelands>

How India Can Better Preserve Its Cultural Heritage

<http://thediplomat.com/2016/09/how-india-can-better-preserve-its-cultural-heritage/?platform=hootsuite>

Austria: Hitler's house will be remodeled, not torn down

[https://www.washingtonpost.com/world/europe/austria-hitlers-house-will-be-remodeled-not-torn-down/2016/10/18/fcac89ea-9537-11e6-9cae-2a3574e296a6\\_story.html?utm\\_campaign=buffer&utm\\_content=buffer6737b&utm\\_medium=social&utm\\_source=twitter.com](https://www.washingtonpost.com/world/europe/austria-hitlers-house-will-be-remodeled-not-torn-down/2016/10/18/fcac89ea-9537-11e6-9cae-2a3574e296a6_story.html?utm_campaign=buffer&utm_content=buffer6737b&utm_medium=social&utm_source=twitter.com)

World's oldest library reopens in Fez: 'You can hurt us, but you can't hurt the books'

<https://www.theguardian.com/cities/2016/sep/19/books-world-oldest-library-fez-morocco>

Critics say Bavaria not doing enough on looted art

<http://ht.ly/CL6d305h4W9>

UNESCO adopts controversial Jerusalem resolution

[https://www.washingtonpost.com/world/middle\\_east/unesco-expected-to-adopt-controversial-jerusalem-resolution/2016/10/18/57d1993e-950e-11e6-9cae-2a3574e296a6\\_story.html](https://www.washingtonpost.com/world/middle_east/unesco-expected-to-adopt-controversial-jerusalem-resolution/2016/10/18/57d1993e-950e-11e6-9cae-2a3574e296a6_story.html)

The Long Walk: A tragedy unobserved 150 years later

[http://www.santafenewmexican.com/news/local\\_news/the-long-walk-a-tragedy-unobserved-years-later/article\\_22f697c9-5cb0-5fed-bbfc-696e56dd35fb.html#.WAO-qa0snaQ.facebook](http://www.santafenewmexican.com/news/local_news/the-long-walk-a-tragedy-unobserved-years-later/article_22f697c9-5cb0-5fed-bbfc-696e56dd35fb.html#.WAO-qa0snaQ.facebook)

The Last Nuremberg Prosecutor Has 3 Words Of Advice: 'Law Not War'

[http://www.npr.org/sections/parallels/2016/10/18/497938049/the-last-nuremberg-prosecutor-has-3-words-of-advice-law-not-war?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2044](http://www.npr.org/sections/parallels/2016/10/18/497938049/the-last-nuremberg-prosecutor-has-3-words-of-advice-law-not-war?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2044)

## Archaeology

Famed Chinese Terracotta Warriors could have been made with the help of the Greeks, archaeologists reveal

<http://www.telegraph.co.uk/news/2016/10/12/famed-chinese-terracotta-warriors-could-have-been-made-with-the/>

Largest Iron Age monument found at Skipsea Castle

<http://www.bbc.com/news/uk-england-humber-37539792>

Ancient seeds to be resurrected

[http://www.hurriyetdailynews.com/ancient-seeds-to-be-resurrected-.aspx?pageID=238&nID=103555&NewsCatID=375&utm\\_content=buffer84928&utm\\_medium=social&utm\\_source=linkedin.com&utm\\_campaign=buffer](http://www.hurriyetdailynews.com/ancient-seeds-to-be-resurrected-.aspx?pageID=238&nID=103555&NewsCatID=375&utm_content=buffer84928&utm_medium=social&utm_source=linkedin.com&utm_campaign=buffer)

Bull of Nimrud destroyed by Isis to be recreated in Rome

<https://www.theguardian.com/world/2016/oct/06/bull-nimrud-destroyed-isis-recreated-rome-colosseum?platform=hootsuite>

Archaeologists Virtually Recreate House of Caecilius Iucundus in Pompeii

<http://www.sci-news.com/archaeology/house-caecilius-iucundus-pompeii-04248.html>

Freeports Come Under Scrutiny by UNESCO as Havens for Stolen Cultural Property

<https://news.artnet.com/art-world/unesco-holds-meeting-freeports-stolen-cultural-property-694412?platform=hootsuite>

Dozens of Dead Sea Scroll fragments may have been discovered

<http://www.cbsnews.com/news/dozens-of-dead-sea-scroll-fragments-may-have-been-discovered/>

Save culture, end trafficking of stolen antiquities

<http://www.unesco.org/new/en/culture/themes/single-view/news/looting-illegal-online-sales-and-money-laundering-unesco-t/#.WAQ79eTD>

Restored and ravishing: the magnificent Ghent Altarpiece gives up its centuries-old mysteries

<https://www.theguardian.com/artanddesign/2016/oct/12/ghent-altarpiece-restoration>

Fate of Aleppo weighs heavily on Syrian archeologist

<http://ht.ly/LTJw305h4J9>

Laser Scans Unveil a Network of Ancient Cities in Cambodia

[http://www.nytimes.com/2016/09/20/science/angkor-wat-cambodia-archaeology.html?\\_r=0](http://www.nytimes.com/2016/09/20/science/angkor-wat-cambodia-archaeology.html?_r=0)

Roman coins ID'd in Japanese ruins, but their origin baffles

<http://phys.org/news/2016-10-roman-coins-idd-japanese-baffles.html>

Ancient tombs discovered under two Maya pyramids shed light on mysterious 'snake kings'

<http://www.sciencealert.com/ancient-tombs-discovered-under-two-maya-pyramids-shed-light-on-mysterious-snake-kings>

## Egyptology

Pyramids of Egypt reveal new secrets after extensive scanning mission

[http://www.ibtimes.co.uk/pyramids-egypt-reveal-new-secrets-after-extensive-scanning-mission-1586364?utm\\_source=yahoo&utm\\_medium=referral&utm\\_campaign=rss&utm\\_content=/rss/yahous/news&yptr=yahoo](http://www.ibtimes.co.uk/pyramids-egypt-reveal-new-secrets-after-extensive-scanning-mission-1586364?utm_source=yahoo&utm_medium=referral&utm_campaign=rss&utm_content=/rss/yahous/news&yptr=yahoo)

## General Science

That pilot in the cockpit may someday be a robot  
<http://phys.org/news/2016-10-cockpit-robot.html>

## Physics, Earth and Space Sciences

New twist in SpaceX rocket blast probe

<http://phys.org/news/2016-10-spacex-rocket-blast-probe.html>

U.S. Partnering With Private Firms to Send Humans to Mars by 2030s, Obama Says

[http://www.nbcnews.com/science/science-news/u-s-partnering-private-firms-send-humans-mars-2030s-obama-n664286?cid=sm\\_fb](http://www.nbcnews.com/science/science-news/u-s-partnering-private-firms-send-humans-mars-2030s-obama-n664286?cid=sm_fb)

Why Obama may have picked the wrong planet

[https://www.washingtonpost.com/news/the-switch/wp/2016/10/11/why-obama-may-have-picked-the-wrong-planet/?Tid=sm\\_fb](https://www.washingtonpost.com/news/the-switch/wp/2016/10/11/why-obama-may-have-picked-the-wrong-planet/?Tid=sm_fb)

Elon Musk Unveils SpaceX Raptor Engine Test for Interplanetary Transport

<http://www.space.com/34192-spacex-raptor-rocket-test-first-photos.html>

Boeing CEO Vows to Beat Musk to Mars

<https://www.bloomberg.com/news/articles/2016-10-04/boeing-ceo-vows-to-beat-musk-to-mars-as-new-space-race-beckons>

Small impacts are reworking the moon's soil faster than scientists thought

<https://asunow.asu.edu/20161012-asu-scientists-discover-moon-getting-hit-more-often>

The Universe Has Almost 10 Times More Galaxies Than We Thought

<http://www.npr.org/sections/thetwo-way/2016/10/14/497965415/the-universe-has-almost-10-times-more-galaxies-than-we-thought?sc=17&f=1001>

Scientists gain insight on mechanism of unconventional superconductivity

<http://phys.org/news/2016-10-scientists-gain-insight-mechanism-unconventional.html>

There is nothing we can do to stop an asteroid apocalypse

<http://nypost.com/2016/10/17/there-is-nothing-we-can-do-to-stop-an-asteroid-apocalypse/>

Curious tilt of the sun traced to undiscovered planet

<http://phys.org/news/2016-10-curious-tilt-sun-undiscovered-planet.html>

Researchers posit way to locally circumvent Second Law of Thermodynamics

<http://phys.org/news/2016-10-posit-locally-circumvent-law-thermodynamics.html>

Photos show European Mars probe crashed, may have exploded (Update)

<http://phys.org/news/2016-10-european-space-agency-mars-probe.html>

Was Venus the first habitable planet in our solar system?

[https://www.theguardian.com/science/2016/oct/17/was-venus-the-first-habitable-planet-in-our-solar-system?CMP=fb\\_gu](https://www.theguardian.com/science/2016/oct/17/was-venus-the-first-habitable-planet-in-our-solar-system?CMP=fb_gu)

China launches its longest crewed space mission yet

<http://phys.org/news/2016-10-china-mission-experimental-space-station.html>

NASA's MAVEN mission gives unprecedented ultraviolet view of Mars

<http://phys.org/news/2016-10-nasa-maven-mission-unprecedented-ultraviolet.html>



Space station aims to be first space-based nation; now accepting citizenship applications  
[http://www.blastr.com/2016-10-17/space-station-aims-be-first-space-based-nation-now-accepting-citizenship-applications?\\_source=Blastr+True+Anthem+Blastr+Facebook&utm\\_campaign=trueAnthem:+Trending+Content&utm\\_content=580511a204d30168f714247c&utm\\_medium=trueAnthem&utm\\_source=facebook](http://www.blastr.com/2016-10-17/space-station-aims-be-first-space-based-nation-now-accepting-citizenship-applications?_source=Blastr+True+Anthem+Blastr+Facebook&utm_campaign=trueAnthem:+Trending+Content&utm_content=580511a204d30168f714247c&utm_medium=trueAnthem&utm_source=facebook)

Mars explorer duo on course: ESA  
<http://phys.org/news/2016-10-mars-explorer-duo-esa.html>

New Horizons: Possible clouds on Pluto, next target is reddish  
<http://phys.org/news/2016-10-horizons-clouds-pluto-reddish.html>

European Space Agency confirms Mars lander lost during descent  
<http://edition.cnn.com/2016/10/20/europe/mars-schiaparelli-lander-esa-lost/index.html?sr=fbCNN102016mars-schiaparelli-lander-esa-lost0903AMStoryGalLink&linkId=30150399>

Scientists may have discovered two Uranus moons  
<http://www.aol.com/article/news/2016/10/19/scientists-may-have-discovered-two-uranus-moons/21587080/?ncid=txtlnkusaolp00001357>

DARPA hands over space tracking telescope to the Air Force  
<http://spacenews.com/darpa-hands-over-space-tracking-telescope-to-the-air-force/>

Astrophysicists create most detailed map of the Milky Way  
<http://phys.org/news/2016-10-scientists-milky.html>

NGC 5128: Mysterious cosmic objects erupting in X-rays discovered  
<http://phys.org/news/2016-10-ngc-mysterious-cosmic-erupting-x-rays.html>

Did 40-year-old Viking experiment discover life on Mars?  
<http://phys.org/news/2016-10-year-old-viking-life-mars.html>

## Environment, Climate Change and Alternative Energy Sources

First farm to grow veg in a desert using only sun and seawater

<https://www.newscientist.com/article/2108296-first-farm-to-grow-veg-in-a-desert-using-only-sun-and-seawater/>

How Syrians are using barrels to create electricity

<http://www.bbc.com/news/world-middle-east-37618592>

Turning Detroit's Abandoned Homes Into Greenhouses

[http://www.theatlantic.com/magazine/archive/2016/11/the-greenhouse-effect/501143/?utm\\_source=atfb](http://www.theatlantic.com/magazine/archive/2016/11/the-greenhouse-effect/501143/?utm_source=atfb)

MIT nuclear fusion record marks latest step towards unlimited clean energy

[https://www.theguardian.com/environment/2016/oct/17/mit-nuclear-fusion-record-marks-latest-step-towards-unlimited-clean-energy?CMP=fb\\_gu](https://www.theguardian.com/environment/2016/oct/17/mit-nuclear-fusion-record-marks-latest-step-towards-unlimited-clean-energy?CMP=fb_gu)

Got Science? An Ominous New Normal for Carbon Dioxide in the Atmosphere

[http://www.huffingtonpost.com/entry/got-science-an-ominous-new-normal-for-carbon-dioxide\\_us\\_57fe55bde4b06f314afeaaab](http://www.huffingtonpost.com/entry/got-science-an-ominous-new-normal-for-carbon-dioxide_us_57fe55bde4b06f314afeaaab)

A better battery: One-time pollutant may become valued product to aid wind, solar energy

<http://phys.org/news/2016-10-battery-one-time-pollutant-valued-product.html>

## Biological, Genetics and Medical Sciences

DARPA Helps Paralyzed Man Feel Again Using a Brain-Controlled Robotic Arm  
<http://www.darpa.mil/news-events/2016-10-13>

Biologists first to observe direct inheritance of gene-silencing RNA  
<http://phys.org/news/2016-10-biologists-inheritance-gene-silencing-rna.html>

Scientists link single gene to some cases of autism spectrum disorder  
<http://medicalxpress.com/news/2016-10-scientists-link-gene-cases-autism.html>

## Other

Investigator claims 'UFO wreckage' is evidence aliens visited the Earth 250,000 years ago

<http://www.foxnews.com/science/2016/10/21/investigator-claims-ufo-wreckage-is-evidence-aliens-visited-earth-250000-years-ago.html>

E Is For Empathy: Sesame Workshop Takes A Crack At Kindness

[http://www.npr.org/sections/ed/2016/10/17/497827991/a-sesame-study-in-kindness?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2043](http://www.npr.org/sections/ed/2016/10/17/497827991/a-sesame-study-in-kindness?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2043)

What is this creepy jungle giant? Film shot deep in Indonesian forest shows a huge creature walking upright under a waterfall

<http://www.dailymail.co.uk/news/article-3840306/Bigfoot-possibly-captured-video-walking-waterfall-Indonesia.html>

UFO expert found dead after 'vomiting black liquid'

<http://nypost.com/2016/10/17/ufo-expert-found-dead-vomiting-black-liquid/>

## Additional Informational

New Claims About The Great Pyramid, Citing The Oldest Papyrus Ever Found: Do The Claims Stand Up?

<https://grahamhancock.com/peetp1/>

Wheeled Vehicles of the Indus Valley Civilization

<https://www.harappa.com/content/wheeled-vehicles-indus-valley-civilization>

U.S. Holocaust Memorial Museum, HATE HAS POWER.

KNOWLEDGE HAS MORE

[https://www.ushmm.org/online/denial/?mkt\\_tok=eyJpIjoiTIRKbVI6TTBORE13T1dZMiIsInQiOiJyR0dJVnZLanlpUWtNUDJnVWNmUFBqXC9GNjBBZ3hEdkNZdEIGdnJQbjZZVvpvKzZyczBtZFRodkFnR0o0MGlpakNOYUhhENTNXTU9hVUtweME1PeStYeTBidWlYa2I3STJla1pDNHZWbmZZazQ9In0%3D](https://www.ushmm.org/online/denial/?mkt_tok=eyJpIjoiTIRKbVI6TTBORE13T1dZMiIsInQiOiJyR0dJVnZLanlpUWtNUDJnVWNmUFBqXC9GNjBBZ3hEdkNZdEIGdnJQbjZZVvpvKzZyczBtZFRodkFnR0o0MGlpakNOYUhhENTNXTU9hVUtweME1PeStYeTBidWlYa2I3STJla1pDNHZWbmZZazQ9In0%3D)

The Oldest Enigma of Humanity: The Key to the Mystery of the Paleolithic Cave Paintings

[https://www.amazon.com/gp/product/1628723211/ref=pe\\_1843280\\_211226720\\_em\\_1p\\_0\\_ti](https://www.amazon.com/gp/product/1628723211/ref=pe_1843280_211226720_em_1p_0_ti)

Watch an Exclusive Clip from PBSs Nikola Tesla Documentary

[https://www.wired.com/2016/10/telsa-american-experience-exclusive-clip/?mbid=social\\_fb](https://www.wired.com/2016/10/telsa-american-experience-exclusive-clip/?mbid=social_fb)