

# Weekly Science Report

## December 16, 2016

**“Our nation was born in genocide when it embraced the doctrine that the original American, the Indian, was an inferior race. Even before there were large numbers of Negroes on our shore, the scar of racial hatred had already disfigured colonial society. From the sixteenth century forward, blood flowed in battles over racial supremacy. We are perhaps the only nation which tried as a matter of national policy to wipe out its indigenous population. Moreover, we elevated that tragic experience into a noble crusade. Indeed, even today we have not permitted ourselves to reject or feel remorse for this shameful episode. Our literature, our films, our drama, our folklore all exalts it. Our children are still taught to respect the violence which reduced a red-skinned people of an earlier culture into a few fragmented groups herded into impoverished reservations.”**

Martin Luther King Jr.

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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 One Could Return Home 'In a Matter of Weeks'

<https://indiancountrymedianetwork.com/history/traditional-societies/kennewick-man-return-home-matter-weeks/>

Jersey was a must-see tourist destination for Neanderthals for over 100,000 years

<https://www.sciencedaily.com/releases/2016/12/161212133444.htm>

Why Don't Men Have Penis Bones?

[http://www.nbcnews.com/health/mens-health/new-study-explains-why-men-don-t-have-penis-bones-n696616?cid=sm\\_fb](http://www.nbcnews.com/health/mens-health/new-study-explains-why-men-don-t-have-penis-bones-n696616?cid=sm_fb)

Fossil footprints tell story of human origins

<http://www.bbc.com/news/science-environment-38289960>

'World's oldest rock drawings' uncovered in Iran by archaeologist

<http://www.independent.co.uk/news/world/middle-east/world-oldest-rock-drawings-archaeologist-iran-khomeyn-mohammed-naserifard-a7470321.html>

## History

In 1898, Satisfying A National Appetite For War

<http://www.npr.org/templates/story/story.php?storyId=126285238>

High In Bolivian Mountains, 2 Massachusetts Men Pursue Mystery of Flight 980

[http://www.npr.org/2016/12/11/504971936/high-in-bolivian-mountains-2-massachusetts-men-pursue-mystery-of-flight-980?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2039](http://www.npr.org/2016/12/11/504971936/high-in-bolivian-mountains-2-massachusetts-men-pursue-mystery-of-flight-980?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2039)

Dozens of rare Islamic books seized at Cairo Airport on way to Doha authentic

<http://english.ahram.org.eg/NewsContent/9/43/251047/Heritage/Islamic/Dozens-of-rare-Islamic-books-seized-at-Cairo-Airpo.aspx?platform=hootsuite>

A dark century's blackest cloud

<http://www.economist.com/node/3352737?fsrc=scn/tw/te/bl/ed/adarkcenturysblackestcloud>

New viral video series reveals the 'Secret Life of Muslims'

<http://www.timesofisrael.com/new-viral-video-series-reveals-the-secret-life-of-muslims/>

Greenland's receding icecap to expose top-secret US nuclear project

[https://www.theguardian.com/world/2016/sep/27/receding-icecap-top-secret-us-nuclear-project-greenland-camp-century-project-iceworm?CMP=share\\_btn\\_fb](https://www.theguardian.com/world/2016/sep/27/receding-icecap-top-secret-us-nuclear-project-greenland-camp-century-project-iceworm?CMP=share_btn_fb)

Anne Frank may not have been betrayed to Nazis, study finds

<https://www.theguardian.com/books/2016/dec/17/anne-frank-may-not-have-been-betrayed-to-nazis-study-finds>

How Journalists Covered the Rise of Mussolini and Hitler

<http://www.smithsonianmag.com/history/how-journalists-covered-rise-mussolini-hitler-180961407/>

Emergency in Mali as looters are plundering ancient treasures

<https://www.newscientist.com/article/2116243-emergency-in-mali-as-looters-are-plundering-ancient-treasures/>

Congress Passes Holocaust Expropriated Art Recovery Act

<https://news.artnet.com/art-world/congress-ww2-art-retribution-vote-779726>

Endangered Syrian documents taken into safekeeping at the National Archives of Finland

[http://www.minedu.fi/OPM/Tiedotteet/2016/12/syria.html?lang=fi&extra\\_locale=en](http://www.minedu.fi/OPM/Tiedotteet/2016/12/syria.html?lang=fi&extra_locale=en)

In Search of King Arthur's Roots

<http://discovermagazine.com/2017/janfeb/91-in-search-of-king-arthur-roots>

Emmett Till bill could pave way for reopening more civil rights cold cases

<http://www.usatoday.com/story/news/nation-now/2016/12/13/emmett-till-bill-could-pave-way-reopening-more-civil-rights-cold-cases/95400784/>

The Town That Forgot About Its Japanese Internment Camp

<http://www.citylab.com/politics/2016/12/should-this-town-save-its-japanese-internment-camp/509933/>

A student asked Ken Burns what to do in Trump's America. He gave her this advice.

[https://www.washingtonpost.com/news/act-four/wp/2016/12/15/a-student-asked-ken-burns-what-to-do-in-trumps-america-he-gave-her-this-advice/?tid=sm\\_fb&utm\\_term=.e7781ab26e84](https://www.washingtonpost.com/news/act-four/wp/2016/12/15/a-student-asked-ken-burns-what-to-do-in-trumps-america-he-gave-her-this-advice/?tid=sm_fb&utm_term=.e7781ab26e84)

The islands in the way of WW2 peace deal between Russia and Japan

[http://www.bbc.com/news/world-asia-38311651?ocid=socialflow\\_facebook&ns\\_mchannel=social&ns\\_campaign=bbcnews&ns\\_source=facebook](http://www.bbc.com/news/world-asia-38311651?ocid=socialflow_facebook&ns_mchannel=social&ns_campaign=bbcnews&ns_source=facebook)

Rice farming in India much older than thought, used as 'summer crop' by Indus civilization

<https://www.harappa.com/blog/rice-farming-india-much-older-thought-used-summer-crop-indus-civilization>

New Evidence for Early Silk in the Indus Civilization

<https://www.harappa.com/content/new-evidence-early-silk-indus-civilization>

Aboriginal woman's slaying exposes Australia's racial divide

<http://www.staradvertiser.com/2016/12/15/breaking-news/aboriginal-womans-slaying-exposes-australias-racial-divide/>

A brief history of the times the US meddled in others' elections

<http://www.msn.com/en-us/news/politics/a-brief-history-of-the-times-the-us-meddled-in-others-elections/ar-AAly7DJ>

## Archaeology

Time Capsule Buried by Paul Revere and Sam Adams Discovered in Boston

[http://www.history.com/news/time-capsule-buried-by-paul-revere-and-sam-adams-discovered-in-boston?cmpid=Social\\_FBPAGE\\_HISTORY\\_20161213\\_721058399](http://www.history.com/news/time-capsule-buried-by-paul-revere-and-sam-adams-discovered-in-boston?cmpid=Social_FBPAGE_HISTORY_20161213_721058399)

Kotla's Ashoka pillar, over 2,000 years old, suffers heavy damage

<http://timesofindia.indiatimes.com/city/delhi/Kotlas-Ashoka-pillar-over-2000-years-old-suffers-heavy-damage/articleshow/55763120.cms?platform=hootsuite>

ASI approaches Home Guards to protect artefacts

<http://timesofindia.indiatimes.com/city/bengaluru/ASI-approaches-Home-Guards-to-protect-artefacts/articleshow/55861386.cms?platform=hootsuite>

Swedes and Brits unearth lost ancient city in Greece

<http://www.thelocal.se/20161212/swedish-archaeologists-unearth-lost-ancient-city-in-greece>

Archaeology project sets sights on sea-level, finds flood of work to do

<http://jacksonville.com/news/2016-12-10/archaeology-project-sets-sights-sea-level-finds-flood-work-do>

Somerset skeletons are oldest evidence of monks found in UK

[https://www.theguardian.com/culture/2016/dec/05/somerset-skeletons-are-oldest-evidence-of-monks-found-in-uk?utm\\_content=buffer9f153&utm\\_medium=social&utm\\_source=facebook.com&utm\\_campaign=buffer](https://www.theguardian.com/culture/2016/dec/05/somerset-skeletons-are-oldest-evidence-of-monks-found-in-uk?utm_content=buffer9f153&utm_medium=social&utm_source=facebook.com&utm_campaign=buffer)

Archaeology sheds light on Mongolia's uncertain nomadic future

<https://www.theguardian.com/science/blog/2016/dec/07/archaeology-sheds-light-on-mongolias-uncertain-nomadic-future>

Amid Evacuation, Aleppo Begins Assessment of Destruction of Cultural Heritage

<https://news.artnet.com/art-world/aleppo-evacuation-destruction-cultural-heritage-784538>

Egyptology

Nothing to report

## General Science

The High-Tech Battle Against Pirates

[http://www.popsci.com/high-tech-battle-fighting-pirates?con=TrueAnthem&dom=fb&src=SOC&utm\\_campaign=&utm\\_content=584d560719d6ba0007d0f433&utm\\_medium=&utm\\_source=](http://www.popsci.com/high-tech-battle-fighting-pirates?con=TrueAnthem&dom=fb&src=SOC&utm_campaign=&utm_content=584d560719d6ba0007d0f433&utm_medium=&utm_source=)

Google's Boston Dynamics is thinking about using its dog robots to deliver things to your doorstep

<http://qz.com/859443/googles-boston-dynamics-is-thinking-about-using-its-dog-robots-to-deliver-things-to-your-doorstep/>

Google's AI Are Sending Encrypted Messages to One Another That No One Can Decipher

<http://trendintech.com/2016/12/09/googles-ai-are-sending-encrypted-messages-to-one-another-that-no-one-can-decipher/>

This Language-Teaching Device Constantly Whispers Lessons In Your Ear

[http://www.smithsonianmag.com/innovation/language-teaching-device-constantly-whispers-lessons-your-ear-180961470/?utm\\_source=twitter.com&utm\\_medium=socialmedia](http://www.smithsonianmag.com/innovation/language-teaching-device-constantly-whispers-lessons-your-ear-180961470/?utm_source=twitter.com&utm_medium=socialmedia)



## Physics, Earth and Space Sciences

China's deep spacecraft will be guided by X-ray pulses from distant stars

<http://www.popsci.com/chinas-launches-first-x-ray-navigation-system>

10 prominent early astronauts carrying on US space history

<https://apnews.com/3582a9afb9d946c98df1f63a289de773>

Target Earth: The Next Extinction from Space

<http://discovermagazine.com/2016/sept/9-death-from-above>

A Strong Signal From A Neighboring Solar System Has E.T. Seekers Speculating

[http://www.popsci.com/strong-signal-from-neighboring-solar-system-has-et-seekers-speculating?con=TrueAnthem&dom=fb&src=SOC&utm\\_campaign=&utm\\_content=584f6c6cb8a9fe0007d82482&utm\\_medium=&utm\\_source=](http://www.popsci.com/strong-signal-from-neighboring-solar-system-has-et-seekers-speculating?con=TrueAnthem&dom=fb&src=SOC&utm_campaign=&utm_content=584f6c6cb8a9fe0007d82482&utm_medium=&utm_source=)

NASA wants SpaceX to prove it can land on Mars before the space agency sends its tech

[http://www.blastr.com/2016-12-15/nasa-wants-spacex-prove-it-can-land-mars-space-agency-sends-its-tech?\\_source=Blastr+True+Anthem+Blastr+Facebook&utm\\_campaign=trueAnthem:+Trending+Content&utm\\_content=5853126304d30135a0818995&utm\\_medium=trueAnthem&utm\\_source=facebook](http://www.blastr.com/2016-12-15/nasa-wants-spacex-prove-it-can-land-mars-space-agency-sends-its-tech?_source=Blastr+True+Anthem+Blastr+Facebook&utm_campaign=trueAnthem:+Trending+Content&utm_content=5853126304d30135a0818995&utm_medium=trueAnthem&utm_source=facebook)

WATCH: NASA Rocket Deploys 'Satellite Constellation' After Unique Air-Launch

[http://www.npr.org/sections/thetwo-way/2016/12/15/505701630/watch-nasa-rocket-deploys-satellite-constellation-after-unique-air-launch?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2043](http://www.npr.org/sections/thetwo-way/2016/12/15/505701630/watch-nasa-rocket-deploys-satellite-constellation-after-unique-air-launch?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2043)

Big Diamonds Bring Scientists A Message From Superdeep Earth

[http://www.npr.org/sections/thetwo-way/2016/12/15/505386423/big-diamonds-bring-scientists-a-message-from-superdeep-earth?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2043](http://www.npr.org/sections/thetwo-way/2016/12/15/505386423/big-diamonds-bring-scientists-a-message-from-superdeep-earth?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2043)

Buzz Aldrin: John Glenn was a hero. We owe it to him to keep exploring space.

[https://www.washingtonpost.com/posteverything/wp/2016/12/15/buzz-aldrin-john-glenn-was-a-hero-we-owe-it-to-him-to-keep-exploring-space/?postshare=3201481821531653&tid=ss\\_tw&utm\\_term=.d61422745c4e](https://www.washingtonpost.com/posteverything/wp/2016/12/15/buzz-aldrin-john-glenn-was-a-hero-we-owe-it-to-him-to-keep-exploring-space/?postshare=3201481821531653&tid=ss_tw&utm_term=.d61422745c4e)

SpaceX Finally Knows What Caused its Falcon 9 Rocket to Explode

[http://www.popsci.com/spacex-falcon-9-explosion-reason?con=TrueAnthem&dom=fb&src=SOC&utm\\_campaign=&utm\\_content=584e6136b8a9fe00077aa210&utm\\_medium=&utm\\_source=](http://www.popsci.com/spacex-falcon-9-explosion-reason?con=TrueAnthem&dom=fb&src=SOC&utm_campaign=&utm_content=584e6136b8a9fe00077aa210&utm_medium=&utm_source=)

Search for Alien Life Needs Human Mars Missions, NASA Chief Scientist Says

[http://www.nbcnews.com/mach/space/search-alien-life-needs-human-mars-missions-nasa-chief-scientist-n694046?cid=sm\\_fb](http://www.nbcnews.com/mach/space/search-alien-life-needs-human-mars-missions-nasa-chief-scientist-n694046?cid=sm_fb)

Lab technology on board space weather monitoring satellite

<https://www.llnl.gov/news/lab-technology-board-space-weather-monitoring-satellite>

Curiosity Rover Encounters Technical Difficulties On Martian Mountain

[http://www.npr.org/sections/thetwo-way/2016/12/13/505466073/curiosity-rover-encounters-technical-difficulties-on-martian-mountain?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2041](http://www.npr.org/sections/thetwo-way/2016/12/13/505466073/curiosity-rover-encounters-technical-difficulties-on-martian-mountain?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2041)

At Close of 'Planet Earth 2', Sir David Attenborough Delivers Powerful Message

[https://www.globalcitizen.org/en/content/david-attenborough-turtles-planet-earth-rescue/?utm\\_source=facebook&utm\\_medium=social&utm\\_content=global&utm\\_campaign=general-content&linkId=32330987](https://www.globalcitizen.org/en/content/david-attenborough-turtles-planet-earth-rescue/?utm_source=facebook&utm_medium=social&utm_content=global&utm_campaign=general-content&linkId=32330987)

Ancient Mars Could Have Harbored Life for a Long, Long Time

<https://www.scientificamerican.com/article/ancient-mars-could-have-harbored-life-for-a-long-long-time/>

Solar System's Biggest Asteroid Is an Ancient Ocean World

[https://www.scientificamerican.com/article/solar-systems-biggest-asteroid-is-an-ancient-ocean-world1/?WT.mc\\_id=SA\\_FB\\_SPC\\_NEWS](https://www.scientificamerican.com/article/solar-systems-biggest-asteroid-is-an-ancient-ocean-world1/?WT.mc_id=SA_FB_SPC_NEWS)

## Environment, Climate Change and Alternative Energy Sources

The power of sunlight can pull clean drinking water from thin air

[http://www.popsci.com/this-machine-turns-sunshine-and-air-into-clean-water?con=TrueAnthem&dom=fb&src=SOC&utm\\_campaign=&utm\\_content=584cad4fb8a9fe000ba42a53&utm\\_medium=&utm\\_source=](http://www.popsci.com/this-machine-turns-sunshine-and-air-into-clean-water?con=TrueAnthem&dom=fb&src=SOC&utm_campaign=&utm_content=584cad4fb8a9fe000ba42a53&utm_medium=&utm_source=)

Computer Models Show What Exactly Would Happen To Earth After A Nuclear War

[http://www.popsci.com/article/science/computer-models-show-what-exactly-would-happen-earth-after-nuclear-war?con=TrueAnthem&dom=fb&src=SOC&utm\\_campaign=&utm\\_content=584d47f7b8a9fe0007140f0a&utm\\_medium=&utm\\_source=](http://www.popsci.com/article/science/computer-models-show-what-exactly-would-happen-earth-after-nuclear-war?con=TrueAnthem&dom=fb&src=SOC&utm_campaign=&utm_content=584d47f7b8a9fe0007140f0a&utm_medium=&utm_source=)

New Thermoelectric Paint Could Power Your Home

[http://www.seeker.com/paint-can-power-your-home-2104865063.html?utm\\_campaign=socialflow&utm\\_source=facebook&utm\\_medium=dnewssocial](http://www.seeker.com/paint-can-power-your-home-2104865063.html?utm_campaign=socialflow&utm_source=facebook&utm_medium=dnewssocial)

First U.S. offshore wind farm spins to life

[https://www.boston.com/news/local-news/2016/12/14/first-u-s-offshore-wind-farm-spins-to-life?s\\_campaign=bcom%3Asocialflow%3Afacebook](https://www.boston.com/news/local-news/2016/12/14/first-u-s-offshore-wind-farm-spins-to-life?s_campaign=bcom%3Asocialflow%3Afacebook)

Surge in methane emissions threatens efforts to slow climate change

<http://phys.org/news/2016-12-surge-methane-emissions-threatens-efforts.html>

US Defense official: Chinese warship stole US underwater drone

<http://www.cnn.com/2016/12/16/politics/chinese-warship-underwater-drone-stolen/index.html>

Bill Gates And Billionaire Buddies Invest \$1 Billion In Clean Energy Fund To Fight Climate Change

[http://www.huffingtonpost.com/entry/bill-gates-climate-change-venture-fund\\_us\\_584e9119e4b04c8e2bb07424?section=politics&](http://www.huffingtonpost.com/entry/bill-gates-climate-change-venture-fund_us_584e9119e4b04c8e2bb07424?section=politics&)

Solar sees more interest after Amendment 1 failure

<http://www.orlandosentinel.com/business/os-solar-energy-providers-20161208-story.html>

Mitigating the risk of geoengineering: Aerosols could cool the planet without ozone damage

<http://phys.org/news/2016-12-mitigating-geoengineering-aerosols-cool-planet.html>

World's first city to power its water needs with sewage energy

[https://www.newscientist.com/article/2114761-worlds-first-city-to-power-its-water-needs-with-sewage-energy/?cmpid=SOC|NSNS|2016-Echobox&utm\\_campaign=Echobox&utm\\_medium=Social&utm\\_source=Facebook#link\\_time=1481633115](https://www.newscientist.com/article/2114761-worlds-first-city-to-power-its-water-needs-with-sewage-energy/?cmpid=SOC|NSNS|2016-Echobox&utm_campaign=Echobox&utm_medium=Social&utm_source=Facebook#link_time=1481633115)

Warming global temperatures may not affect carbon stored deep in northern peatlands, study says

<http://phys.org/news/2016-12-global-temperatures-affect-carbon-deep.html>

## Biological, Genetics and Medical Sciences

'Silent extinction': Giraffes listed as a vulnerable species after 30-year population plunge  
[https://www.washingtonpost.com/news/morning-mix/wp/2016/12/08/silent-extinction-giraffes-listed-as-a-vulnerable-species-after-30-year-population-plunge/?tid=sm\\_fb&utm\\_term=.6e0095d12cc6](https://www.washingtonpost.com/news/morning-mix/wp/2016/12/08/silent-extinction-giraffes-listed-as-a-vulnerable-species-after-30-year-population-plunge/?tid=sm_fb&utm_term=.6e0095d12cc6)

Scientists Grow Full-Sized, Beating Human Hearts From Stem Cells  
[http://www.popsoci.com/scientists-grow-transplantable-hearts-with-stem-cells?con=TrueAnthem&dom=fb&src=SOC&utm\\_campaign=&utm\\_content=584d6416a167da0007bed599&utm\\_medium=&utm\\_source=](http://www.popsoci.com/scientists-grow-transplantable-hearts-with-stem-cells?con=TrueAnthem&dom=fb&src=SOC&utm_campaign=&utm_content=584d6416a167da0007bed599&utm_medium=&utm_source=)

The hospital of the future may be a tiny, high-tech medical kit  
<http://www.popsoci.com/doctor-future-may-be-personal-high-tech-medical-box>

## Other

'Mystery Monster' Found in Siberian Mine

[http://www.seeker.com/mystery-monster-found-in-siberian-diamond-mine-1966957258.html?utm\\_campaign=socialflow&utm\\_source=facebook&utm\\_medium=dnewsocial](http://www.seeker.com/mystery-monster-found-in-siberian-diamond-mine-1966957258.html?utm_campaign=socialflow&utm_source=facebook&utm_medium=dnewsocial)

## **Additional Informational**

TED Talk, Why curiosity is the key to science and medicine

[https://www.ted.com/talks/kevin\\_b\\_jones\\_why\\_curiosity\\_is\\_the\\_key\\_to\\_science\\_and\\_medicine](https://www.ted.com/talks/kevin_b_jones_why_curiosity_is_the_key_to_science_and_medicine)

TED Talk, 10 ways the world could end- Video

[http://www.ted.com/talks/stephen\\_petranek\\_counts\\_down\\_to\\_armageddon?utm\\_campaign=social&utm\\_medium=referral&utm\\_source=facebook.com&utm\\_content=talk&utm\\_term=science](http://www.ted.com/talks/stephen_petranek_counts_down_to_armageddon?utm_campaign=social&utm_medium=referral&utm_source=facebook.com&utm_content=talk&utm_term=science)