

**Weekly Science Report  
January 6, 2017**

**“Subservience of any kind is death to the spirit.”**

Alice Walker

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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

A new fossil find in Brazil rewrites the history of the dinosaurs

<http://www.economist.com/news/science-and-technology/21709944-dinosaurs-coexisted-their-reptilian-forebears-rather-replacing-them?fsrc=scn/tw/te/pe/ed/anewfossilfindinbrazilrewritesthehistoryofthedinosaurs>

Prehistoric porridge? First pots for plant cooking found

<http://www.bbc.com/news/science-environment-38366109>

Controversy Swirls around Latest Addition to Human Family Tree

[https://www.scientificamerican.com/article/controversy-swirls-around-latest-addition-to-human-family-tree/?WT.mc\\_id=SA\\_FB\\_EVO\\_NEWS](https://www.scientificamerican.com/article/controversy-swirls-around-latest-addition-to-human-family-tree/?WT.mc_id=SA_FB_EVO_NEWS)

Monkeys Make Stone “Tools” That Bear a Striking Resemblance to Early Human Artifacts

<https://www.scientificamerican.com/article/monkeys-make-stone-ldquo-tools-rdquo-that-bear-a-striking-resemblance-to-early-human-artifacts/>

The caves that prove Neanderthals were cannibals

<http://phys.org/news/2016-12-caves-neanderthals-cannibals.html>

Scans Unveil Secrets of the World's Oldest Mummies

[http://www.seeker.com/scans-unveil-secrets-of-worlds-oldest-mummies-2170493322.html?utm\\_campaign=socialflow&utm\\_source=facebook&utm\\_medium=dnewsocial](http://www.seeker.com/scans-unveil-secrets-of-worlds-oldest-mummies-2170493322.html?utm_campaign=socialflow&utm_source=facebook&utm_medium=dnewsocial)

The Jericho Skull: Just as they were about to leave the site, someone spotted a skull jutting out at an angle

<http://www.independent.co.uk/arts-entertainment/art/features/the-jericho-skull-british-museum-facial-reconstruction-ct-scan-a7474516.html>

Study shows new global evidence of the role of humans, urbanization in rapid evolution

<http://phys.org/news/2017-01-global-evidence-role-humans-urbanization.html>

Dust To Dust: Scientists Find DNA Of Human Ancestors In Cave Floor Dirt

[http://www.npr.org/sections/health-shots/2017/01/04/507543208/dust-to-dust-scientists-find-dna-of-human-ancestors-in-cave-floor-dirt?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20170104](http://www.npr.org/sections/health-shots/2017/01/04/507543208/dust-to-dust-scientists-find-dna-of-human-ancestors-in-cave-floor-dirt?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170104)

We Are All Africans

<http://discovermagazine.com/2017/janfeb/16-we-are-all-africans>

## History

The Final Days Of Hawaiian Sugar

[http://www.npr.org/sections/thesalt/2016/12/17/505861855/the-final-days-of-hawaiian-sugar?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2045](http://www.npr.org/sections/thesalt/2016/12/17/505861855/the-final-days-of-hawaiian-sugar?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2045)

The Truth About the Wounded Knee Massacre

<https://indiancountrymedianetwork.com/history/events/the-truth-about-the-wounded-knee-massacre/>

National Gallery of Denmark releases digital casts of sculptures

<http://artdaily.com/news/91792/National-Gallery-of-Denmark-releases-digital-casts-of-sculptures#.WGgw3eQo7an>

The Forgotten Life of Einstein's First Wife

[https://blogs.scientificamerican.com/guest-blog/the-forgotten-life-of-einsteins-first-wife/?WT.mc\\_id=SA\\_FB\\_PHYS\\_BLOG](https://blogs.scientificamerican.com/guest-blog/the-forgotten-life-of-einsteins-first-wife/?WT.mc_id=SA_FB_PHYS_BLOG)

On A 'Eugenics Registry,' A Record Of California's Thousands Of Sterilizations

[http://www.npr.org/2016/12/18/505000554/on-a-eugenics-registry-a-record-of-californias-thousands-of-sterilizations?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2046](http://www.npr.org/2016/12/18/505000554/on-a-eugenics-registry-a-record-of-californias-thousands-of-sterilizations?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2046)

How to bump Holocaust deniers off Google's top spot? Pay Google

[https://www.theguardian.com/technology/2016/dec/17/holocaust-deniers-google-search-top-spot?CMP=share\\_btn\\_link](https://www.theguardian.com/technology/2016/dec/17/holocaust-deniers-google-search-top-spot?CMP=share_btn_link)

Pope Francis Appoints First Female Director of Vatican Museums

<https://news.artnet.com/art-world/pope-francis-appoints-female-director-vatican-museums-792116>

Anne Frank's diary inspired some victims of Guatemala's civil war to tell their stories

<http://www.pri.org/stories/2016-12-27/anne-franks-diary-inspired-some-victims-guatemalas-civil-war-tell-their-stories>

Navajo Nation Library Wants to Digitally Preserve Thousands of Hours of Oral Histories

[http://www.smithsonianmag.com/smart-news/navajo-nation-library-wants-digitally-preserve-thousands-hours-oral-histories-180961576/?utm\\_source=twitter.com&utm\\_medium=socialmedia](http://www.smithsonianmag.com/smart-news/navajo-nation-library-wants-digitally-preserve-thousands-hours-oral-histories-180961576/?utm_source=twitter.com&utm_medium=socialmedia)

Germany moves to atone for 'forgotten genocide' in Namibia

[https://www.theguardian.com/world/2016/dec/25/germany-moves-to-atone-for-forgotten-genocide-in-namibia?CMP=fb\\_gu](https://www.theguardian.com/world/2016/dec/25/germany-moves-to-atone-for-forgotten-genocide-in-namibia?CMP=fb_gu)

Joseph Goebbels' 105-year-old secretary: 'No one believes me now, but I knew nothing'

[https://www.theguardian.com/world/2016/aug/15/brunhilde-pomsel-nazi-joseph-goebbels-propaganda-machine?CMP=fb\\_gu](https://www.theguardian.com/world/2016/aug/15/brunhilde-pomsel-nazi-joseph-goebbels-propaganda-machine?CMP=fb_gu)

Did a coal fire sink the Titanic?

<http://www.cnn.com/2017/01/02/europe/titanic-fire-new-picture/index.html?sr=fbCNN010217titanic-fire-new-picture0840PMStoryLink&linkId=32944268>

How a forbidden love affair sent her to a Gulag camp

[http://www.usatoday.com/story/news/world/2016/12/28/how-forbidden-love-affair-sent-her-gulag-camp/95341852/?utm\\_content=buffer2c818&utm\\_medium=social&utm\\_source=twitter.com&utm\\_campaign=buffer](http://www.usatoday.com/story/news/world/2016/12/28/how-forbidden-love-affair-sent-her-gulag-camp/95341852/?utm_content=buffer2c818&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer)

God's Wife Edited Out of the Bible – Almost

[http://www.seeker.com/gods-wife-edited-out-of-the-bible-almost-1766083399.html?utm\\_campaign=socialflow&utm\\_source=facebook&utm\\_medium=dnewsocial](http://www.seeker.com/gods-wife-edited-out-of-the-bible-almost-1766083399.html?utm_campaign=socialflow&utm_source=facebook&utm_medium=dnewsocial)

Damaged by War, Syria's Cultural Sites Rise Anew in France

<http://www.nytimes.com/2016/12/31/world/europe/destroyed-by-isis-syrias-cultural-sites-rise-again-in-france.html?smid=nytcore-ipad-share&smprod=nytcore-ipad&r=0>

The Treasures Long-Lost

<https://intpolicydigest.org/2017/01/02/the-treasures-long-lost/>

One Of The Last Shakers Dies

[http://www.npr.org/sections/thetwo-way/2017/01/03/508100617/one-of-the-last-shakers-dies?live=1&utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=npnews&utm\\_content=20170103](http://www.npr.org/sections/thetwo-way/2017/01/03/508100617/one-of-the-last-shakers-dies?live=1&utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=npnews&utm_content=20170103)

After Islamic State institutionalized looting in Syria, the market for fake antiquities is booming

<http://www.latimes.com/world/middleeast/la-fg-syria-fake-antiquities-2016-story.html?platform=hootsuite>

The Story of Donehogawa, First Indian Commissioner of Indian Affairs

<https://indiancountrymedianetwork.com/history/events/the-story-of-donehogawa-first-indian-commissioner-of-indian-affairs/>

The enigma of Italy's ancient Etruscans is finally unravelled

<https://www.theguardian.com/world/2007/jun/18/italy.johnhooper>

It's harder than ever to teach Islamic art — but never more important

[https://www.washingtonpost.com/posteverything/wp/2017/01/06/its-harder-than-ever-to-teach-islamic-art-but-never-more-important/?utm\\_term=.b7bbca54c755](https://www.washingtonpost.com/posteverything/wp/2017/01/06/its-harder-than-ever-to-teach-islamic-art-but-never-more-important/?utm_term=.b7bbca54c755)

Louvre Museum Reports \$10 Million Dollar Losses and Dramatic Drop in Visitors

<https://news.artnet.com/art-world/louvre-10-million-loss-visitor-drop-806876>

Nazi Grave in Brazil Endures as Marker of Secret Plan to Colonize

<http://www.nytimes.com/2016/12/09/world/what-in-the-world/brazil-nazi-grave-amazon.html?smid=fb-nytimes&smtyp=cur&r=1>

World War II's Strangest Battle: When Americans and Germans Fought Together

[http://www.thedailybeast.com/articles/2013/05/12/world-war-ii-s-strangest-battle-when-americans-and-germans-fought-together.html?source=TDB&via=FB\\_Page](http://www.thedailybeast.com/articles/2013/05/12/world-war-ii-s-strangest-battle-when-americans-and-germans-fought-together.html?source=TDB&via=FB_Page)

Turning Iraq history to rubble, leaving the mess to looters

<https://apnews.com/53c801647e084059bc4cbe3fb0237a75>

The very first Monuments Man

<http://theartnewspaper.com/comment/reviews/books/the-very-first-monuments-man/>

Over 2 million visitors at the Auschwitz Memorial in 2016

<http://auschwitz.org/en/museum/news/over-2-million-visitors-at-the-auschwitz-memorial-in-2016.1232.html>

The Villain Who Gave Us 'Mother of God'

[http://www.thedailybeast.com/articles/2017/01/01/the-villain-who-gave-us-mother-of-god.html?source=TDB&via=FB\\_Page](http://www.thedailybeast.com/articles/2017/01/01/the-villain-who-gave-us-mother-of-god.html?source=TDB&via=FB_Page)

## Archaeology

Greek, Danish Archaeologists Discover More of Ancient Corinth Port

<http://greece.greekreporter.com/2016/12/21/greek-danish-archaeologists-discover-more-of-ancient-corinth-port-video/>

Forget Dubai, Brits were building islands 5,000 years ago

<http://www.bbc.com/earth/story/20161213-the-ancient-artificial-islands-in-scotland-called-crannogs>

Vatican unveils restored catacomb with frescoes showing 'female priests'

<https://www.theguardian.com/world/2013/nov/20/vatican-unveils-frescoes-restored-female-priests-catacomb>

Temple Debacle Reveals Struggle for Cultural Conservation

<http://www.sixthtone.com/news/temple-debacle-reveals-struggle-cultural-conservation>

Rare late bronze age crown found in Pieria

<http://en.protothema.gr/beautiful-later-bronze-age-crown-found-in-pieria/>

Paris' Grand Palais celebrates UNESCO heritage site of Palmyra in 'Eternal Sites' exhibit

<http://ht.ly/BOzW307f6Rg>

New York Antiquities Dealer Charged With Trafficking Looted Artifacts

<https://news.artnet.com/art-world/new-york-antiquities-dealer-arrested-for-laundering-looted-objects-793622>

Emergency in Mali as looters are plundering ancient treasures

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

King Arthur's legendary Camelot castle location 'discovered' by retired professor

<http://www.independent.co.uk/news/uk/home-news/king-arthur-camelot-castle-huddersfield-discovered-retired-professor-peter-field-a7489176.html>

Istanbul's Yerebatan Cistern undergoes restoration after 500 years

<http://www.hurriyetdailynews.com/Default.aspx?pageID=238&nID=108078&NewsCatID=375>

Archaeologist defies sceptics in pursuit of lost city of Trellech

[https://www.theguardian.com/science/2017/jan/03/lost-city-of-trellech-uk-archaeologist-stuart-wilson-defies-sceptics?CMP=fb\\_qu](https://www.theguardian.com/science/2017/jan/03/lost-city-of-trellech-uk-archaeologist-stuart-wilson-defies-sceptics?CMP=fb_qu)

The Couple Who Saved China's Ancient Architectural Treasures Before They Were Lost Forever

[http://www.smithsonianmag.com/history/lovers-shanxi-saved-chinas-ancient-architectural-treasures-before-lost-forever-180961424/?utm\\_source=twitter.com&utm\\_medium=socialmedia](http://www.smithsonianmag.com/history/lovers-shanxi-saved-chinas-ancient-architectural-treasures-before-lost-forever-180961424/?utm_source=twitter.com&utm_medium=socialmedia)

A 'Stonehenge,' and a Mystery, in the Amazon

[http://www.nytimes.com/2016/12/14/world/americas/brazil-amazon-megaliths-stonehenge.html?smid=li-share&\\_r=0&mtrref=www.linkedin.com](http://www.nytimes.com/2016/12/14/world/americas/brazil-amazon-megaliths-stonehenge.html?smid=li-share&_r=0&mtrref=www.linkedin.com)

Big digs: The year 2016 in archaeology

<http://www.bbc.com/news/science-environment-38381878>

## Egyptology

Repatriating the Past: Filling the Holes in Egypt's History Left by Looting – Katie A. Paul, The Antiquities Coalition

<http://ht.ly/V15e307lqzw>

Drop in Tourism Hinders Restoration Efforts in Egypt

<https://news.artnet.com/art-world/egyptian-tourism-cultural-heritage-antiquities-803720>



## General Science

How Arconic is Shaping the Future Skins of Flying Cars

<http://www.huffingtonpost.com/entry/585aa523e4b014e7c72ed935?timestamp=1482339493608>

Quantum Computers Ready to Leap Out of the Lab in 2017

[https://www.scientificamerican.com/article/quantum-computers-ready-to-leap-out-of-the-lab-in-2017/?WT.mc\\_id=SA\\_FB\\_TECH\\_NEWS](https://www.scientificamerican.com/article/quantum-computers-ready-to-leap-out-of-the-lab-in-2017/?WT.mc_id=SA_FB_TECH_NEWS)

This giant manned robot might patrol the North Korean border

<http://www.foxnews.com/tech/2016/12/29/this-giant-manned-robot-might-patrol-north-korean-border.html>

Israel's 'flying car' passenger drone moves closer to delivery

[http://www.reuters.com/article/us-israel-flyingcar-idUSKBN14N190?utm\\_campaign=trueAnthem:+Trending+Content&utm\\_content=586c2e1f04d3012b32228dea&utm\\_medium=trueAnthem&utm\\_source=facebook](http://www.reuters.com/article/us-israel-flyingcar-idUSKBN14N190?utm_campaign=trueAnthem:+Trending+Content&utm_content=586c2e1f04d3012b32228dea&utm_medium=trueAnthem&utm_source=facebook)

## Physics, Earth and Space Sciences

Earth's driest desert once had lakes

<http://www.bbc.com/news/science-environment-38330526>

EmDrive: China claims success with this 'reactionless' engine for space travel

<http://www.popsci.com/emdrive-engine-space-travel-china-success?src=SOC&dom=fb>

DARPA, NASA seek industry help setting satellite-servicing standards

<http://spacenews.com/op-ed-darpa-nasa-seek-industry-help-setting-satellite-servicing-standards/>

Europe's Bold Plan for a Moon Base Is Coming Together

<http://www.popularmechanics.com/space/moon-mars/a24427/europe-plan-moon-base/>

It's Time to End Washington's Bad Habit of Changing NASA's Goals in Midstream

[https://www.scientificamerican.com/article/its-time-to-end-washington-rsquo-s-bad-habit-of-changing-nasa-rsquo-s-goals-in-midstream/?wt.mc=SA\\_Facebook-Share](https://www.scientificamerican.com/article/its-time-to-end-washington-rsquo-s-bad-habit-of-changing-nasa-rsquo-s-goals-in-midstream/?wt.mc=SA_Facebook-Share)

The Next Frontier: Space Miners Are the Universe's Future Tycoons

[http://www.nbcnews.com/mach/space/next-frontier-space-miners-are-universe-s-future-tycoons-n698711?cid=sm\\_fb](http://www.nbcnews.com/mach/space/next-frontier-space-miners-are-universe-s-future-tycoons-n698711?cid=sm_fb)

2016 also took one of the greatest female scientists of all time

<http://www.cnn.com/2016/12/27/us/vera-rubin-dark-matter-astronomy-obit-trnd/index.html?sr=fbCNN122716vera-rubin-dark-matter-astronomy-obit-trnd0631PMVODtopLink&linkId=32795191>

The U.S. and China Are Fighting Over Mars, but Japan May Win the Space Race

[https://www.bloomberg.com/graphics/2016-asia-space-race/japan.html?cmpid=socialflow-twitter-business&utm\\_content=business&utm\\_campaign=socialflow-organic&utm\\_source=twitter&utm\\_medium=social](https://www.bloomberg.com/graphics/2016-asia-space-race/japan.html?cmpid=socialflow-twitter-business&utm_content=business&utm_campaign=socialflow-organic&utm_source=twitter&utm_medium=social)

Scientists discover bizarre molten iron 'jet stream' in Earth's core

<http://www.csmonitor.com/Science/2016/1220/Scientists-discover-bizarre-molten-iron-jet-stream-in-Earth-s-core?cmpid=TW>

The 5 Biggest Questions About the Universe (and How We're Trying To Answer Them)

[http://www.nbcnews.com/mach/space/5-biggest-questions-about-universe-how-we-re-trying-answer-n702051?cid=sm\\_fb](http://www.nbcnews.com/mach/space/5-biggest-questions-about-universe-how-we-re-trying-answer-n702051?cid=sm_fb)

NASA Plans to Build a Gigantic Space Telescope from 2 Tiny CubeSats

[https://www.scientificamerican.com/article/nasa-plans-to-build-a-gigantic-space-telescope-from-2-tiny-cubesats/?WT.mc\\_id=SA\\_FB\\_SPC\\_NEWS](https://www.scientificamerican.com/article/nasa-plans-to-build-a-gigantic-space-telescope-from-2-tiny-cubesats/?WT.mc_id=SA_FB_SPC_NEWS)

Astronomers detect a strong outburst of an embedded young stellar object

<http://phys.org/news/2017-01-astronomers-strong-outburst-embedded-young.html>

3-D images reveal features of Martian polar ice caps

<http://phys.org/news/2017-01-d-images-reveal-features-martian.html>

NASA Should Build a Superhighway in Space

[https://blogs.scientificamerican.com/guest-blog/nasa-should-build-a-superhighway-in-space/?WT.mc\\_id=SA\\_FB\\_SPC\\_BLOG](https://blogs.scientificamerican.com/guest-blog/nasa-should-build-a-superhighway-in-space/?WT.mc_id=SA_FB_SPC_BLOG)

NASA Selects Two Missions to Explore the Early Solar System

<http://www.jpl.nasa.gov/news/news.php?feature=6713>

Mysterious radio burst came from a galaxy 2.5 billion light years away, astronomers discover  
[https://www.washingtonpost.com/news/speaking-of-science/wp/2017/01/04/mysterious-radio-burst-came-from-a-galaxy-2-5-billion-light-years-away-astronomers-discover/?tid=sm\\_fb&utm\\_term=.c7339ee06549](https://www.washingtonpost.com/news/speaking-of-science/wp/2017/01/04/mysterious-radio-burst-came-from-a-galaxy-2-5-billion-light-years-away-astronomers-discover/?tid=sm_fb&utm_term=.c7339ee06549)

New NASA Satellite Tool Watches Ice Flow in Near Real Time  
[http://www.seeker.com/new-nasa-satellite-tool-watches-ice-flow-in-near-real-time-2159292688.html?utm\\_campaign=socialflow&utm\\_source=facebook&utm\\_medium=dnewsocial](http://www.seeker.com/new-nasa-satellite-tool-watches-ice-flow-in-near-real-time-2159292688.html?utm_campaign=socialflow&utm_source=facebook&utm_medium=dnewsocial)

The Hunt For Alien Megastructures Is On  
[http://www.nbcnews.com/mach/innovation/hunt-alien-megastructures-n703191?cid=sm\\_fb](http://www.nbcnews.com/mach/innovation/hunt-alien-megastructures-n703191?cid=sm_fb)

Remembering Carl Sagan  
[https://www.washingtonpost.com/news/achenblog/wp/2016/12/21/remembering-carl-sagan/?postshare=3191483357752892&tid=ss\\_fb&utm\\_term=.100699030da7](https://www.washingtonpost.com/news/achenblog/wp/2016/12/21/remembering-carl-sagan/?postshare=3191483357752892&tid=ss_fb&utm_term=.100699030da7)

Physicists Weigh In: Could We Ever Travel to a Parallel Universe?  
<https://futurism.com/physicists-weigh-in-could-we-ever-travel-to-a-parallel-universe/>

Trump Might Be Thinking About a Moon Base  
[https://www.theatlantic.com/science/archive/2017/01/the-moon-base-mirage/511943/?utm\\_source=atfb](https://www.theatlantic.com/science/archive/2017/01/the-moon-base-mirage/511943/?utm_source=atfb)

## Environment, Climate Change and Alternative Energy Sources

Take a gorgeous VR tour of the National Parks with Ken Burns

<http://www.usatoday.com/story/virtual-reality/2016/12/17/take-gorgeous-vr-tour-national-parks-ken-burns/95557522/>

Instead Of Trump's Wall, Let's Build A Border Of Solar Panels

[http://www.huffingtonpost.com/entry/solar-panels-us-mexico\\_us\\_5857fa6be4b0390447097e56?](http://www.huffingtonpost.com/entry/solar-panels-us-mexico_us_5857fa6be4b0390447097e56?)

The City Of Las Vegas Is Now Powered Entirely By Renewable Energy

[http://www.huffingtonpost.com/entry/the-city-of-las-vegas-is-now-powered-entirely-by-renewable-energy\\_us\\_58594291e4b0b3ddfd8ea4e8?](http://www.huffingtonpost.com/entry/the-city-of-las-vegas-is-now-powered-entirely-by-renewable-energy_us_58594291e4b0b3ddfd8ea4e8?)

Bacteria, Methane and other dangers within Siberia's melting Permafrost

[https://www.wired.com/2016/12/global-warming-beneath-permafrost/?mbid=nl\\_122116\\_p2&CNDID=41291302](https://www.wired.com/2016/12/global-warming-beneath-permafrost/?mbid=nl_122116_p2&CNDID=41291302)

Fuelling green energy in Niger

<https://medium.com/@UNDP/fueling-green-energy-in-niger-fa5ed3ff7cbf#.2qtzqtqhtc>

The Future Of Neighborhoods: Five Projects That Show How We'll Live

<https://www.fastcoexist.com/3065412/fast-cities/the-future-of-neighborhoods-five-projects-that-show-how-well-live>

The Energy Department helped start a revolution – and doesn't know who to hand it off to

[https://www.washingtonpost.com/news/energy-environment/wp/2016/12/19/the-energy-department-helped-start-a-revolution-and-doesnt-know-who-to-hand-it-off-to/?utm\\_term=.5893ea5f38fc](https://www.washingtonpost.com/news/energy-environment/wp/2016/12/19/the-energy-department-helped-start-a-revolution-and-doesnt-know-who-to-hand-it-off-to/?utm_term=.5893ea5f38fc)

With new monuments in Nevada, Utah, Obama adds to his environmental legacy

[https://www.washingtonpost.com/national/health-science/with-new-monuments-in-nevada-utah-obama-adds-to-his-environmental-legacy/2016/12/28/e9833f62-c471-11e6-8422-eac61c0ef74d\\_story.html?tid=sm\\_fb&utm\\_term=.7b84156d51a6](https://www.washingtonpost.com/national/health-science/with-new-monuments-in-nevada-utah-obama-adds-to-his-environmental-legacy/2016/12/28/e9833f62-c471-11e6-8422-eac61c0ef74d_story.html?tid=sm_fb&utm_term=.7b84156d51a6)

Tidal power developers bet on sea change in Indonesia renewables sector

<http://news.trust.org/item/20161120050324-z36ut>

When will our electricity come from the sea?

<http://www.bbc.com/news/science-environment-38426389>

Power to the poop: one Colorado city is using human waste to run its vehicles

<https://www.theguardian.com/environment/2016/jan/16/colorado-grand-junction-persigo-wastewater-treatment-plant-human-waste-renewable-energy>

Will We Soon Be Riding on Solar Roads? The Idea Gains Traction

<http://news.nationalgeographic.com/energy/2016/03/160310-will-we-soon-be-riding-on-solar-roads/>

Colorado partners with Utah, Nevada to develop electric vehicle charge network

<http://www.sustainablecitiescollective.com/utility-dive/1282307/colorado-partners-utah-nevada-develop-electric-vehicle-charge-network>

China's vow to shut down its ivory trade by the end of 2017 is a 'game changer' for elephants

[https://www.washingtonpost.com/world/asia\\_pacific/china-vows-to-shut-down-ivory-trade-by-end-of-2017-offering-hope-for-elephants/2016/12/30/9b26a330-ceae-11e6-85cd-e66532e35a44\\_story.html?tid=sm\\_Fb&utm\\_term=.7a4783c79431](https://www.washingtonpost.com/world/asia_pacific/china-vows-to-shut-down-ivory-trade-by-end-of-2017-offering-hope-for-elephants/2016/12/30/9b26a330-ceae-11e6-85cd-e66532e35a44_story.html?tid=sm_Fb&utm_term=.7a4783c79431)

3-D Ocean Map Tracks Ecosystems in Unprecedented Detail

[https://www.scientificamerican.com/article/3-d-ocean-map-tracks-ecosystems-in-unprecedented-detail/?WT.mc\\_id=SA\\_FB\\_ENGYSUS\\_NEWS](https://www.scientificamerican.com/article/3-d-ocean-map-tracks-ecosystems-in-unprecedented-detail/?WT.mc_id=SA_FB_ENGYSUS_NEWS)

Mexico's Maya point way to slow species loss, climate change

<http://news.trust.org/item/20161230060444-5ffp4/>

Momentum grows for ocean preserves. How well do they work?

[http://theconversation.com/momentum-grows-for-ocean-preserves-how-well-do-they-work-65625?utm\\_campaign=Echobox&utm\\_medium=Social&utm\\_source=Twitter#link\\_time=1483547689](http://theconversation.com/momentum-grows-for-ocean-preserves-how-well-do-they-work-65625?utm_campaign=Echobox&utm_medium=Social&utm_source=Twitter#link_time=1483547689)

## Biological, Genetics and Medical Sciences

IBM Creates A Molecule That Could Destroy All Viruses

[http://www.popsci.com/macromolecule-developed-by-ibm-could-fight-multiple-viruses-at-once?con=TrueAnthem&dom=fb&src=SOC&utm\\_campaign=&utm\\_content=5865e3f819d6ba0007949a5b&utm\\_medium=&utm\\_source=](http://www.popsci.com/macromolecule-developed-by-ibm-could-fight-multiple-viruses-at-once?con=TrueAnthem&dom=fb&src=SOC&utm_campaign=&utm_content=5865e3f819d6ba0007949a5b&utm_medium=&utm_source=)

THE FIRST EVER VIDEO OF A LIVING GHOST SHARK IS CREEPY AS SHIT

<https://www.thrillist.com/news/nation/ghost-shark-seen-in-the-wild-for-first-time>

Superflex to Commercialize Powered Suits for Aging Population

<http://www.wsj.com/articles/superflex-to-commercialize-powered-suits-for-aging-population-1482237002>

How to grow an arm

<http://www.popsci.com/how-to-grow-an-arm?src=SOC&dom=fb>

DARPA's Groundbreaking Bionic Arm Could Be Game Changer for Military Amputees

<http://science.dodlive.mil/2016/12/27/darpa-gives-groundbreaking-bionic-arms-to-walter-reed-for-military-amputees/>

Million-Year-Old 'Hero Bug' Emerges From Cave

[http://www.npr.org/sections/goatsandsoda/2016/12/10/504691357/million-year-old-hero-bug-emerges-from-cave?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2038](http://www.npr.org/sections/goatsandsoda/2016/12/10/504691357/million-year-old-hero-bug-emerges-from-cave?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2038)

One Man's Quest to Change the Way We Die

<http://www.nytimes.com/2017/01/03/magazine/one-mans-quest-to-change-the-way-we-die.html?smid=fb-nytimes&smtyp=cur>

Unexpected Risks Found In Replacing DNA To Prevent Inherited Disorders

[http://www.npr.org/sections/health-shots/2017/01/01/507244429/unexpected-risks-found-in-editing-genes-to-prevent-inherited-disorders?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20170101](http://www.npr.org/sections/health-shots/2017/01/01/507244429/unexpected-risks-found-in-editing-genes-to-prevent-inherited-disorders?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170101)

Device can detect 17 diseases by our breath

<http://www.usatoday.com/story/tech/2017/01/01/device-detect-diseases-our-breath/96057526/>

Another organ has been hiding in your belly all along

<https://www.yahoo.com/news/another-organ-hiding-belly-along-194924072.html>

## Other

Massive 'anomaly' lurks beneath ice in Antarctica

<http://nypost.com/2016/12/29/massive-anomaly-lurks-beneath-ice-in-antarctica/>

U.N. Vote Puts 'Killer Robots' on the Agenda in 2017

<http://www.seeker.com/u-n-vote-puts-killer-robots-on-the-agenda-2017-2160370225.html>

Your body's amazing reaction to water

[http://ideas.ted.com/science\\_of\\_freediving/?utm\\_campaign=social&utm\\_medium=referral&utm\\_source=facebook.com&utm\\_content=ideas-blog&utm\\_term=science](http://ideas.ted.com/science_of_freediving/?utm_campaign=social&utm_medium=referral&utm_source=facebook.com&utm_content=ideas-blog&utm_term=science)

5 'Weird' Schools That Are Challenging How Students Learn

[https://www.globalcitizen.org/en/content/high-school-strange-breaking-boundaries/?utm\\_source=facebook&utm\\_medium=social&utm\\_content=global&utm\\_campaign=general-content&linkId=33042452](https://www.globalcitizen.org/en/content/high-school-strange-breaking-boundaries/?utm_source=facebook&utm_medium=social&utm_content=global&utm_campaign=general-content&linkId=33042452)

Groundbreaking UFO Video Just Released By Chilean Navy

[http://www.huffingtonpost.com/entry/groundbreaking-ufo-video-just-released-from-chilean\\_us\\_586d37bce4b014e7c72ee56b?ciacn1ruwjkmx6r](http://www.huffingtonpost.com/entry/groundbreaking-ufo-video-just-released-from-chilean_us_586d37bce4b014e7c72ee56b?ciacn1ruwjkmx6r)

Artists from around the world boldly envision a nuclear-free world

[https://www.globalcitizen.org/en/content/nuclear-weapons-war-peace-disarmament-art/?utm\\_source=facebook&utm\\_medium=social&utm\\_content=global&utm\\_campaign=general-content&linkId=32738683](https://www.globalcitizen.org/en/content/nuclear-weapons-war-peace-disarmament-art/?utm_source=facebook&utm_medium=social&utm_content=global&utm_campaign=general-content&linkId=32738683)

Tesla's \$5 Billion Gigafactory Just Hit a Major Milestone

<http://finance.yahoo.com/news/tesla-5-billion-gigafactory-just-161511561.html>

## Additional Informational

TED Talk, It's time to reclaim and reinvent religion- Video

[https://www.ted.com/talks/sharon\\_brous\\_it\\_s\\_time\\_to\\_reclaim\\_and\\_reinvent\\_religion?utm\\_campaign=social&utm\\_medium=referral&utm\\_source=facebook.com&utm\\_content=talk&utm\\_term=globa-social%20issues](https://www.ted.com/talks/sharon_brous_it_s_time_to_reclaim_and_reinvent_religion?utm_campaign=social&utm_medium=referral&utm_source=facebook.com&utm_content=talk&utm_term=globa-social%20issues)

8 Ways AI Will Profoundly Change City Life by 2030

[https://singularityhub.com/2016/10/19/8-ways-ai-will-profoundly-change-city-life-by-2030/?utm\\_content=buffer368e8&utm\\_medium=social&utm\\_source=twitter-su&utm\\_campaign=buffer](https://singularityhub.com/2016/10/19/8-ways-ai-will-profoundly-change-city-life-by-2030/?utm_content=buffer368e8&utm_medium=social&utm_source=twitter-su&utm_campaign=buffer)

11 Surprising Predictions for 2017 from Some of the Biggest Names in Science

<http://www.nbcnews.com/storyline/2016-year-in-review/11-surprising-predictions-2017-some-biggest-names-science-n701136>

NASA Reveals the Unknown in 2016

<https://www.nasa.gov/press-release/nasa-reveals-the-unknown-in-2016>

Here are the last uncharted corners of the globe

<http://www.popsoci.com/these-are-last-uncharted-areas-world?src=SOC&dom=fb>

70 books to make you feel hopeful: An end-of-year reading list

[http://ideas.ted.com/70-books-to-make-you-feel-hopeful-an-end-of-year-reading-list/?utm\\_campaign=social&utm\\_medium=referral&utm\\_source=facebook.com&utm\\_content=ideas-blog&utm\\_term=humanities](http://ideas.ted.com/70-books-to-make-you-feel-hopeful-an-end-of-year-reading-list/?utm_campaign=social&utm_medium=referral&utm_source=facebook.com&utm_content=ideas-blog&utm_term=humanities)

In The Field - National Digital Newspaper Program

<https://www.youtube.com/watch?v=LclIm9s7lho>

Europe's oldest pagans: the deep forest life of Mari people – in pictures

<https://www.theguardian.com/artanddesign/gallery/2016/dec/21/europes-oldest-pagans-mari-people-ikuru-kuwajima>

TED Talk, Forget Wi-Fi. Meet the new Li-Fi Internet

[http://www.ted.com/talks/harald\\_haas\\_a\\_breakthrough\\_new\\_kind\\_of\\_wireless\\_internet](http://www.ted.com/talks/harald_haas_a_breakthrough_new_kind_of_wireless_internet)

TED Talk, Why Earth may someday look like Mars

[https://www.ted.com/talks/anjali\\_tripathi\\_why\\_earth\\_may\\_someday\\_look\\_like\\_mars](https://www.ted.com/talks/anjali_tripathi_why_earth_may_someday_look_like_mars)

Ancient Astronomy Along the Hudson River in New York State

<https://grahamhancock.com/kreisbergg7/>

Mohenjo Daro at the Movies: Perceptions of the Past

<https://www.harappa.com/blog/mohenjo-daro-movies-perceptions-past>

Top 6 Theories About Atlantis

[http://www.history.com/news/history-lists/top-6-theories-about-atlantis?cmpid=Social\\_FBPAGE\\_HISTORY\\_20170102\\_760112236](http://www.history.com/news/history-lists/top-6-theories-about-atlantis?cmpid=Social_FBPAGE_HISTORY_20170102_760112236)