

**Weekly Science Report**  
**November 25, 2016**

**“The world is what you think of it. So think of it differently and your life will change.”**

Paul Arden

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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

Mammoth Discovery Could Revise Earliest Date of Humans in the Americas

<http://www.pbs.org/wgbh/nova/next/nature/mammoth-discovery-could-revise-earliest-date-of-humans-in-the-americas/>

Dinosaur-killing asteroid turned planet Earth inside-out

[https://www.newscientist.com/article/2113216-dinosaur-killing-asteroid-turned-planet-earth-inside-out/?utm\\_campaign=Echobox&utm\\_medium=Social&utm\\_source=Facebook#link\\_time=1479835927](https://www.newscientist.com/article/2113216-dinosaur-killing-asteroid-turned-planet-earth-inside-out/?utm_campaign=Echobox&utm_medium=Social&utm_source=Facebook#link_time=1479835927)

## History

Tribes Revive Indigenous Crops, And The Food Traditions That Go With Them

[http://www.npr.org/sections/thesalt/2016/11/18/502025877/tribes-revive-indigenous-crops-and-the-food-traditions-that-go-with-them?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2046](http://www.npr.org/sections/thesalt/2016/11/18/502025877/tribes-revive-indigenous-crops-and-the-food-traditions-that-go-with-them?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2046)

Who First Farmed Potatoes? Archaeologists in Andes Find Evidence

[http://www.nytimes.com/2016/11/19/science/potato-domestication-andes.html?\\_r=1](http://www.nytimes.com/2016/11/19/science/potato-domestication-andes.html?_r=1)

Archaeological excavation unearths evidence of turkey domestication 1,500 years ago

<http://phys.org/news/2016-11-archaeological-excavation-unearths-evidence-turkey.html>

Meet the Muslims who sacrificed themselves to save Jews and fight Nazis in World War II

[https://www.washingtonpost.com/posteverything/wp/2014/09/08/meet-the-muslims-who-sacrificed-themselves-to-save-jews-and-fight-nazis-in-world-war-ii/?utm\\_term=.5058daefaab8](https://www.washingtonpost.com/posteverything/wp/2014/09/08/meet-the-muslims-who-sacrificed-themselves-to-save-jews-and-fight-nazis-in-world-war-ii/?utm_term=.5058daefaab8)

Museums are the diplomats of the 21st century

[http://theartnewspaper.com/comment/comment/museums-are-the-diplomats-of-the-21st-century/?utm\\_content=bufferdb95c&utm\\_medium=social&utm\\_source=facebook.com&utm\\_campaign=buffer](http://theartnewspaper.com/comment/comment/museums-are-the-diplomats-of-the-21st-century/?utm_content=bufferdb95c&utm_medium=social&utm_source=facebook.com&utm_campaign=buffer)

UAE, France to unite to safeguard endangered cultural heritage

<http://ht.ly/YDxF306mgPI>

WWII mystery: Are 'missing' sailors actually in NY cemetery?

<https://www.yahoo.com/news/wwii-mystery-missing-sailors-actually-ny-cemetery-161605399.html>

Catholic Church Apologizes Over Rwanda Genocide

<https://www.yahoo.com/news/catholic-church-apologizes-over-rwanda-054132307.html>

Willie Rogers, oldest surviving original Tuskegee Airman, dead at 101

<http://www.cbsnews.com/news/willie-rogers-oldest-surviving-original-tuskegee-airman-dead-at-101/?ftag=CNM-00-10aab7e&linkId=31404489&ftag=CNM-00-10aab6a&linkId=31405038>

At New York immigration museum, guides cope with hostile remarks

<http://news.trust.org/item/20161121202505-dguoc/>

The truth about migration: Rich countries need immigrants

[https://www.newscientist.com/article/mg23030681-100-the-truth-about-migration-rich-countries-need-immigrants/?utm\\_campaign=Echobox&utm\\_medium=Social&utm\\_source=Facebook#link\\_time=1479824782](https://www.newscientist.com/article/mg23030681-100-the-truth-about-migration-rich-countries-need-immigrants/?utm_campaign=Echobox&utm_medium=Social&utm_source=Facebook#link_time=1479824782)

Lee Harvey Oswald's little green book shows JFK wasn't the real target

<http://www.latimes.com/opinion/op-ed/la-oe-reston-jfk-assassination-target-20161122-story.html>

'The Holocaust did not begin with killing; it began with words.' Museum condemns alt-right meeting.

[https://www.washingtonpost.com/news/acts-of-faith/wp/2016/11/22/the-holocaust-did-not-begin-with-killing-it-began-with-words-museum-condemns-alt-right-meeting/?tid=sm\\_fb](https://www.washingtonpost.com/news/acts-of-faith/wp/2016/11/22/the-holocaust-did-not-begin-with-killing-it-began-with-words-museum-condemns-alt-right-meeting/?tid=sm_fb)

## Archaeology

Impressive Tomb of Celtic Prince Found in France

<http://www.seeker.com/impressive-tomb-of-celtic-prince-found-in-france-1769580018.html>

Altar of Miracle-Making Viking King Discovered in Norway

<http://www.livescience.com/56972-shrine-of-viking-king-discovered.html>

Archaeologists think they found Pilgrims' original settlement

<http://www.foxnews.com/us/2016/11/23/archaeologists-think-found-pilgrims-original-settlement.html>

4,000-Year-Old 'Thinker' Sculpture Uncovered in Israel

<http://www.livescience.com/56986-ancient-thinker-sculpture-uncovered-in-israel.html>

For 74 years, six WWII ships rested at the bottom of the ocean. Then they vanished.

<http://www.miamiherald.com/news/nation-world/world/article116115893.html>

Israel to launch expedition to find more Dead Sea Scrolls

<http://ht.ly/z2IT306mgM3>

Ancient Inscriptions Show Life Once Flourished in Jordan's 'Black Desert'

<http://www.livescience.com/56944-ancient-inscriptions-found-in-black-desert.html>

## Egyptology

Egypt ancient city unearthed by archaeologists

<http://www.bbc.com/news/world-middle-east-38084391>

## General Science

Almost half the world will be online by end of 2016; poorer countries will lag, report shows  
<http://www.reuters.com/article/us-internet-itu-idUSKBN13H0XG>

Robot flying taxi takes its first autonomous flight  
<http://www.popsci.com/robot-flying-taxi-cormorant-takes-its-first-autonomous-flight>

## Physics, Earth and Space Sciences

It's official: NASA's peer-reviewed EM Drive paper has finally been published

<http://www.sciencealert.com/it-s-official-nasa-s-peer-reviewed-em-drive-paper-has-finally-been-published>

Astronomers believe strange new signals coming from space are probably aliens

<http://www.aol.com/article/news/2016/10/26/astronomers-signals-space-alien-lifeforms-communicate-earth/21592195/>

National parks turn into classrooms to turn a new generation into nature lovers

<http://www.pbs.org/newshour/bb/national-parks-turn-classrooms-turn-new-generation-nature-lovers/>

Theory that challenges Einstein's physics could soon be put to the test

<http://phys.org/news/2016-11-theory-einstein-physics.html>

NASA's Plan to Give Our Moon Its Own Moon

[http://www.seeker.com/nasas-plan-to-give-our-moon-its-own-moon-2098592108.html?utm\\_campaign=socialflow&utm\\_source=facebook&utm\\_medium=dnewsocial](http://www.seeker.com/nasas-plan-to-give-our-moon-its-own-moon-2098592108.html?utm_campaign=socialflow&utm_source=facebook&utm_medium=dnewsocial)

New study finds water deeper in Earth than scientists previously believed

<http://phys.org/news/2016-11-deeper-earth-scientists-previously-believed.html>

Astronomers just discovered one of the most massive objects in the universe hiding behind the Milky Way

<http://www.aol.com/article/news/2016/11/22/astronomers-just-discovered-one-of-the-most-massive-objects-in-t/21611861/?ncid=txtlnkusaolp00001357>

Science of 'Arrival': If Aliens Call, Does Humanity Have a Plan?

[http://www.nbcnews.com/mach/space/science-arrival-if-aliens-call-does-humanity-have-plan-n687351?cid=sm\\_fb](http://www.nbcnews.com/mach/space/science-arrival-if-aliens-call-does-humanity-have-plan-n687351?cid=sm_fb)



## Environment, Climate Change and Alternative Energy Sources

Steps to address climate change are 'irreversible,' world leaders declare in Marrakech

[https://www.washingtonpost.com/news/energy-environment/wp/2016/11/18/paris-accord-nations-resolve-to-push-ahead-on-climate-change-goals-with-or-without-the-u-s/?utm\\_term=.16ebe78334ef](https://www.washingtonpost.com/news/energy-environment/wp/2016/11/18/paris-accord-nations-resolve-to-push-ahead-on-climate-change-goals-with-or-without-the-u-s/?utm_term=.16ebe78334ef)

The North Pole is an insane 36 degrees warmer than normal as winter descends

[https://www.washingtonpost.com/news/energy-environment/wp/2016/11/17/the-north-pole-is-an-insane-36-degrees-warmer-than-normal-as-winter-descends/?utm\\_term=.a26ec30b7fb3](https://www.washingtonpost.com/news/energy-environment/wp/2016/11/17/the-north-pole-is-an-insane-36-degrees-warmer-than-normal-as-winter-descends/?utm_term=.a26ec30b7fb3)

Tiny power plant sucks CO2 from the air and turns it into fuel

<http://inhabitat.com/tiny-power-plant-in-a-shipping-container-sucks-co2-from-the-air-and-turns-it-into-fuel/>

America's First All-Renewable-Energy City

<http://www.politico.com/magazine/story/2016/11/burlington-what-works-green-energy-214463>

Tritium introduced in fusion experiments at Sandia

<http://phys.org/news/2016-11-tritium-fusion-sandia.html>

Tapping the Next Generation of Supercomputers to Bring Fusion Energy to the World

<http://energy.gov/articles/tapping-next-generation-supercomputers-bring-fusion-energy-world>

Tesla and SolarCity made this whole island solar-powered in under a year

<https://techcrunch.com/2016/11/22/tesla-and-solarcity-made-this-whole-island-solar-powered-in-under-a-year/>

Solar Roadways are coming to historic Route 66

<http://inhabitat.com/solar-roadways-are-coming-to-historic-route-66/>

How Can Innovative Nuclear Power Technologies Help Achieve the SDGs? IAEA Invites Young Leaders to Share their Views

<https://www.iaea.org/newscenter/news/how-can-innovative-nuclear-power-technologies-help-achieve-the-sdgs-iaea-invites-young-leaders-to-share-their-views>

Thermoelectric paint enables walls to convert heat into electricity

<http://phys.org/news/2016-11-thermoelectric-enables-walls-electricity.html>

Sandia-developed HyStEP keeps fuel-cell vehicles rolling

<https://nnsa.energy.gov/blog/sandia-developed-hystep-keeps-fuel-cell-vehicles-rolling>

Obama administration moves to block mining near Yellowstone

[https://www.washingtonpost.com/news/energy-environment/wp/2016/11/21/obama-administration-moves-to-block-mining-near-yellowstone/?tid=sm\\_fb&utm\\_term=.1b2a78aa5fab](https://www.washingtonpost.com/news/energy-environment/wp/2016/11/21/obama-administration-moves-to-block-mining-near-yellowstone/?tid=sm_fb&utm_term=.1b2a78aa5fab)

Nearly 50 countries vow to use 100% renewable energy by 2050

<http://www.independent.co.uk/news/world/renewable-energy-target-climate-united-nations-climate-change-vulnerable-nations-ethiopia-a7425411.html>

World's First Zero-Emission Train to Begin Testing in Germany

[https://www.globalcitizen.org/en/content/worlds-first-zero-emission-train-to-begin-testing/?utm\\_source=facebook&utm\\_medium=social&utm\\_content=global&utm\\_campaign=general-content&linkId=31464080](https://www.globalcitizen.org/en/content/worlds-first-zero-emission-train-to-begin-testing/?utm_source=facebook&utm_medium=social&utm_content=global&utm_campaign=general-content&linkId=31464080)

Solar cells can be made with tin instead of lead, scientists find  
<https://techxplore.com/news/2016-11-solar-cells-tin-scientists.html>

Trump to scrap Nasa climate research in crackdown on 'politicized science'  
[https://www.theguardian.com/environment/2016/nov/22/nasa-earth-donald-trump-eliminate-climate-change-research?CMP=fb\\_gu](https://www.theguardian.com/environment/2016/nov/22/nasa-earth-donald-trump-eliminate-climate-change-research?CMP=fb_gu)

## Biological, Genetics and Medical Sciences

Gene editing will transform cancer treatment

<http://www.theverge.com/a/verge-2021/jennifer-doudna-crispr-gene-editing-healthcare>

More than 18 million on HIV treatment, a million more than 2015: UNAIDS

<http://www.reuters.com/article/us-health-aids-idUSKBN13G17V>

Stretchy Artificial Skin Lets Prosthetic Hand Sense Heat, Humidity, and Pressure

[http://www.popsci.com/artificial-skin-can-distinguish-between-wet-and-dry-diapers?con=TrueAnthem&dom=fb&src=SOC&utm\\_campaign=&utm\\_content=5831a68519d6ba0007271f8a&utm\\_medium=&utm\\_source=](http://www.popsci.com/artificial-skin-can-distinguish-between-wet-and-dry-diapers?con=TrueAnthem&dom=fb&src=SOC&utm_campaign=&utm_content=5831a68519d6ba0007271f8a&utm_medium=&utm_source=)

## Other

What Mindfulness Does for Urban Kids

[http://www.citylab.com/navigator/2016/11/what-mindfulness-does-for-urban-kids/507461/?utm\\_source=SFTwitter](http://www.citylab.com/navigator/2016/11/what-mindfulness-does-for-urban-kids/507461/?utm_source=SFTwitter)

Want to solve global crises? \$5 million prize seeks fresh ideas

<http://news.trust.org/item/20161124000547-fvibt/>

## Additional Informational

Cultural Heritage: A Target in War, an Engine of Peace- Video

<https://www.youtube.com/watch?feature=youtu.be&v=wzF1mxXmO2o&app=desktop>

How Important is NASA Research? The World Depends on It—And So Do You

[http://blog.ucsusa.org/brenda-ekwurzels/how-important-is-nasa-research?utm\\_source=facebook&utm\\_campaign=fb&utm\\_medium=social](http://blog.ucsusa.org/brenda-ekwurzels/how-important-is-nasa-research?utm_source=facebook&utm_campaign=fb&utm_medium=social)

10 Most Wanted Nazi War Criminals

[http://www.history.com/news/history-lists/10-most-wanted-nazis?cmpid=Social\\_FBPAGE\\_HISTORY\\_20161120\\_670684861](http://www.history.com/news/history-lists/10-most-wanted-nazis?cmpid=Social_FBPAGE_HISTORY_20161120_670684861)

How to End Impunity for Antiquities Traffickers: Assemble a Cultural Heritage Crimes Prosecution Team

<https://theantiquitiescoalition.org/wp-content/uploads/2016/11/PolicyBrief1.pdf>

The Lost Thanksgiving - The Mystery of Roanoke Colony

<http://findyourpark.com/news/the-lost-thanksgiving-the-mystery-of-roanoke-colony>

TED Talk, What will Humans look like in 100 Years?

[http://www.ted.com/talks/juan\\_enriquez\\_what\\_will\\_humans\\_look\\_like\\_in\\_100\\_years?utm\\_campaign=social&utm\\_medium=referral&utm\\_source=facebook.com&utm\\_content=talk&utm\\_term=science](http://www.ted.com/talks/juan_enriquez_what_will_humans_look_like_in_100_years?utm_campaign=social&utm_medium=referral&utm_source=facebook.com&utm_content=talk&utm_term=science)

UNESCO Observatory of Syrian Cultural Heritage

<http://en.unesco.org/syrian-observatory/>