

**Weekly Science Report  
January 20, 2017**

**“A human being is a part of the whole called by us universe, a part limited in time and space. He experiences himself, his thoughts and feeling as something separated from the rest, a kind of optical delusion of his consciousness. This delusion is a kind of prison for us, restricting us to our personal desires and to affection for a few persons nearest to us. Our task must be to free ourselves from this prison by widening our circle of compassion to embrace all living creatures and the whole of nature in its beauty.”**

Albert Einstein

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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

First humans arrived in North America 10,000 years earlier than believed

<https://phys.org/news/2017-01-humans-north-america-years-earlier.html>

North America's Oldest Mummy Returns to a Native Tribe

<http://hyperallergic.com/349797/the-return-of-north-americas-oldest-mummy/>

A new theory: freezing darkness killed the dinosaurs

<http://www.cbsnews.com/news/freezing-darkness-killed-the-dinosaurs-research-says/>

Humans, not climate change, wiped out Australian megafauna

[https://www.eurekalert.org/pub\\_releases/2017-01/uoca-hnc011917.php](https://www.eurekalert.org/pub_releases/2017-01/uoca-hnc011917.php)

Discovery adds rock collecting to Neanderthal's repertoire

[https://www.eurekalert.org/pub\\_releases/2017-01/uok-dar011317.php](https://www.eurekalert.org/pub_releases/2017-01/uok-dar011317.php)

Fossils found reveal unseen 'footprint' maker

[https://www.eurekalert.org/pub\\_releases/2017-01/uoa-ffr011617.php](https://www.eurekalert.org/pub_releases/2017-01/uoa-ffr011617.php)

Iceman Oetzi's last meal was 'Stone Age bacon'

<https://phys.org/news/2017-01-iceman-oetzi-meal-stone-age.html>

Çatalhöyük figurines symbolize 'elderly women, not Cybele'

<http://www.hurriyetdailynews.com/catalhoyuk-figurines-symbolize-elderly-women-not-cybele.aspx?pageID=238&nid=108546&NewsCatID=375>

## History

Ken Burns returns to PBS with 'Vietnam War'

<http://www.usatoday.com/story/life/tv/2017/01/15/ken-burns-returns-pbs-vietnam-war/96614928/>

What the World Might Look Like in 5 Years, According to US Intelligence

<http://www.defenseone.com/ideas/2017/01/what-world-might-look-5-years-according-us-intelligence/134511/?oref=DefenseOneTCO>

CIA releases 13m pages of declassified documents online

[http://www.bbc.com/news/world-us-canada-38663522?ocid=socialflow\\_facebook&ns\\_mchannel=social&ns\\_campaign=bbcnews&ns\\_source=facebook](http://www.bbc.com/news/world-us-canada-38663522?ocid=socialflow_facebook&ns_mchannel=social&ns_campaign=bbcnews&ns_source=facebook)

This Hollywood Titan Foresaw the Horrors of Nazi Germany

<http://www.smithsonianmag.com/articles/this-hollywood-titan-foresaw-horrors-nazi-germany-180961828/>

## Archaeology

Restitution of Persepolis Collection Expected

<https://financialtribune.com/articles/people-travel/56790/restitution-of-persepolis-collection-expected?platform=hootsuite>

Opportunity or threat? Stonehenge tunnel plan revives long-running debate

<https://www.theguardian.com/uk-news/2017/jan/13/opportunity-or-threat-stonehenge-tunnel-plan-revives-long-running-debate?platform=hootsuite>

'Lost kingdom' linked to Galloway

<http://www.bbc.com/news/uk-scotland-south-scotland-38679324>

Sunken, 600-year-old Buddha emerges from water in China

<http://edition.cnn.com/2017/01/16/travel/china-buddha-statue-resurfaces/>

Archaeologists Unearth Pendant That May Be Linked To Anne Frank

<http://www.npr.org/sections/thetwo-way/2017/01/16/510116505/archaeologists-unearth-pendant-that-may-be-linked-to-anne-frank?ft=nprml&f=103943429>

For 70 Years, A Mug In Auschwitz Held A Secret Treasure

<http://www.npr.org/sections/thetwo-way/2016/05/20/478817061/for-70-years-a-mug-in-auschwitz-held-a-secret-treasure>

India's ancient engineering marvel

<http://www.bbc.com/travel/story/20170110-indias-ancient-engineering-marvel>

Palmyra's monuments demolished in 'new war crime' by IS

<http://www.middleeasteye.net/news/islamic-state-destroys-ancient-monuments-syrias-palmyra-1490027228>

Giant mausoleum in Rome that held the remains of the emperor Augustus to be restored after decades of neglect

<http://www.telegraph.co.uk/news/2017/01/16/giant-mausoleum-rome-held-remains-emperor-augustus-restored/>

Structures dating to King Solomon discovered at Tel Aviv University excavation

[https://www.eurekalert.org/pub\\_releases/2017-01/afot-sdt011717.php](https://www.eurekalert.org/pub_releases/2017-01/afot-sdt011717.php)

Ancient Sundial Shaped Like Ham Was Roman Pocket Watch

<http://news.nationalgeographic.com/2017/01/ancient-roman-sundial-pork-clock-pompeii-archaeology-science/>

Royal Alberta Museum to crack open 1,600-year-old roasting pit with meal still inside

<http://globalnews.ca/news/3179491/royal-alberta-museum-to-crack-open-1600-year-old-roasting-pit-with-meal-still-inside/>

Central China discovers ancient tomb with detailed frescos

<http://en.people.cn/n3/2017/0109/c90000-9164656.html>

Ancient 'Plain of Jars' Burial Site Recreated in Virtual Reality

<http://www.livescience.com/57395-plain-of-jars-burial-site-in-virtual-reality.html>

## Egyptology

Polish researcher investigates the health of children in ancient Egypt

<http://scienceinpoland.pap.pl/en/news/news.412783.polish-researcher-investigates-the-health-of-children-in-ancient-egypt.html>

General Science

Nothing to report

## Physics, Earth and Space Sciences

The company that wants to mine the Moon has enough money for its first trip there

<http://www.theverge.com/2017/1/13/14263076/moon-express-funding-20-million-google-lunar-x-prize>

Astronomers Prepare to Search for Alien Life at Nearby 'Habitable' Exoplanet

<http://www.seeker.com/alien-life-exoplanet-wolf-1061c-astronomy-biomarkers-habitable-zone-2204049638.html>

Green Sahara's ancient rainfall regime revealed

[https://www.eurekalert.org/pub\\_releases/2017-01/uoa-gsa011717.php](https://www.eurekalert.org/pub_releases/2017-01/uoa-gsa011717.php)

Violations of energy conservation in the early universe may explain dark energy

<https://phys.org/news/2017-01-violations-energy-early-universe-dark.html>

Video: A colorful 'landing' on Pluto

<https://phys.org/news/2017-01-video-pluto.html>

Observations of Ceres indicate that asteroids might be camouflaged

<https://phys.org/news/2017-01-ceres-asteroids-camouflaged.html>

## Environment, Climate Change and Alternative Energy Sources

U.S. scientists officially declare 2016 the hottest year on record. That makes three in a row.

[https://www.washingtonpost.com/news/energy-environment/wp/2017/01/18/u-s-scientists-officially-declare-2016-the-hottest-year-on-record-that-makes-three-in-a-row/?tid=sm\\_fb&utm\\_term=.4522c67395b0](https://www.washingtonpost.com/news/energy-environment/wp/2017/01/18/u-s-scientists-officially-declare-2016-the-hottest-year-on-record-that-makes-three-in-a-row/?tid=sm_fb&utm_term=.4522c67395b0)

Congress moves to give away national lands, discounting billions in revenue

[https://www.theguardian.com/environment/2017/jan/19/bureau-land-management-federal-lease?CMP=fb\\_gu](https://www.theguardian.com/environment/2017/jan/19/bureau-land-management-federal-lease?CMP=fb_gu)

China's Xi Jinping says Paris climate deal must not be allowed to fail

[https://www.theguardian.com/world/2017/jan/19/chinas-xi-jinping-says-world-must-implement-paris-climate-deal?CMP=tw\\_t\\_a-world\\_b-gdnworld](https://www.theguardian.com/world/2017/jan/19/chinas-xi-jinping-says-world-must-implement-paris-climate-deal?CMP=tw_t_a-world_b-gdnworld)

No matter what Trump does, Green energy will prevail

[https://www.wired.com/2017/01/no-matter-trump-green-energy-will-prevail/?mbid=nl\\_11717\\_p4&CNDID=41291302](https://www.wired.com/2017/01/no-matter-trump-green-energy-will-prevail/?mbid=nl_11717_p4&CNDID=41291302)

Sea levels could rise by six to nine metres over time, new study warns

<https://www.theguardian.com/science/2017/jan/19/sea-levels-could-rise-by-six-to-nine-metres-over-time-new-study-warns>

## Biological, Genetics and Medical Sciences

The dark side of the human genome

<http://www.nature.com/nature/journal/v538/n7624/full/538275a.html>

UW undergraduate team wins \$10,000 Lemelson-MIT Student Prize for gloves that translate sign language

<http://www.washington.edu/news/2016/04/12/uw-undergraduate-team-wins-10000-lemelson-mit-student-prize-for-gloves-that-translate-sign-language/>

Ants use Sun and memories to navigate

<http://www.bbc.com/news/science-environment-38665058>

## Other

A Floating Libertarian City Gets a Step Closer to Reality

<http://www.seeker.com/a-floating-libertarian-city-is-a-step-closer-to-reality-2203456955.html>

What is causing Namibia's mysterious fairy circles?

<http://www.csmonitor.com/Science/2017/0118/What-is-causing-Namibia-s-mysterious-fairy-circles>

## **Additional Informational**

International Holocaust Remembrance Day - January 27

<http://www.yadvashem.org/27th/index.asp>