

**Weekly Science Report  
October 28, 2016**

**"There is a higher court than courts of justice and that is the court of  
conscience. It supercedes all other courts."**

Mahatma Gandhi

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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

Flawed analysis casts doubt on years of evolutionary research  
<http://phys.org/news/2016-10-flawed-analysis-years-evolutionary.html>

Upper Paleolithic humans may have hunted cave lions for their pelts  
<http://phys.org/news/2016-10-upper-paleolithic-humans-cave-lions.html>

Genome sequencing reveals ancient interbreeding between chimpanzees and bonobos  
<http://phys.org/news/2016-10-genome-sequencing-reveals-ancient-interbreeding.html>

Fossils under your feet: Ancient sea cow found in Spanish street  
<http://phys.org/news/2016-10-fossils-feet-ancient-sea-cow.html>

133 million-year-old dinosaur brain fossil found in England  
<http://phys.org/news/2016-10-million-year-old-dinosaur-brain-fossil-england.html>

New Cretaceous dinosaur from Queensland  
<https://www.sciencedaily.com/releases/2016/10/161020164816.htm>

Researchers Find Hidden DNA of Previously Unknown Species  
<https://www.rdmag.com/article/2016/10/researchers-find-hidden-dna-previously-unknown-species>

## History

Battle of Hastings re-enacted by 1,000 soldiers for 950th anniversary

[https://www.theguardian.com/culture/2016/oct/15/battle-of-hastings-re-enacted-950th-anniversary?utm\\_content=buffer1d134&utm\\_medium=social&utm\\_source=facebook.com&utm\\_campaign=buffer](https://www.theguardian.com/culture/2016/oct/15/battle-of-hastings-re-enacted-950th-anniversary?utm_content=buffer1d134&utm_medium=social&utm_source=facebook.com&utm_campaign=buffer)

Christopher Marlowe Officially Credited As Co-Author Of 3 Shakespeare Plays

[http://www.npr.org/sections/thetwo-way/2016/10/24/499144368/christopher-marlowe-officially-credited-as-co-author-of-3-shakespeare-plays?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2050](http://www.npr.org/sections/thetwo-way/2016/10/24/499144368/christopher-marlowe-officially-credited-as-co-author-of-3-shakespeare-plays?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2050)

Karima Bennoune: Cultural heritage is a human rights issue

<http://en.unesco.org/news/karima-bennoune-cultural-heritage-human-rights-issue>

Germany Confronts, in Unique Exhibit, Its 'Holocaust of the Bullets'

[http://www.nytimes.com/2016/10/24/world/europe/germany-confronts-in-unique-exhibit-its-holocaust-of-the-bullets.html?\\_r=1](http://www.nytimes.com/2016/10/24/world/europe/germany-confronts-in-unique-exhibit-its-holocaust-of-the-bullets.html?_r=1)

## Archaeology

Ancient burials suggestive of blood feuds

<http://phys.org/news/2016-10-ancient-burials-blood-feuds.html>

Mysterious giant sphere unearthed in forest divides opinion

<http://www.telegraph.co.uk/news/2016/04/11/mysterious-giant-sphere-unearthed-in-forest-divides-opinion/>

Rare 'Jerusalem' papyrus recovered from cave looters

<http://www.foxnews.com/science/2016/10/26/rare-jerusalem-papyrus-recovered-from-cave-looters.html>

Christian shrine vandalized, robbed in northern Israel

<http://www.foxnews.com/world/2016/10/25/christian-shrine-vandalized-robbed-in-northern-israel.html>

Experts uncover hidden layers of Jesus' tomb site

<http://www.foxnews.com/world/2016/10/27/experts-uncover-hidden-layers-jesus-tomb-site.html>

Maritime archaeologists accidentally discovered 40 ancient shipwrecks at the bottom of the Black Sea

<http://qz.com/816936/maritime-archaeologists-accidentally-discovered-40-ancient-shipwrecks-at-the-bottom-of-the-black-sea/>

Supposed 'Burial Slab' Of Jesus Christ Uncovered For First Time In Centuries

[http://www.huffingtonpost.com/entry/jesus-burial-bed-church-of-the-holy-sepulchre\\_us\\_58114e15e4b0990edc2f24e9?](http://www.huffingtonpost.com/entry/jesus-burial-bed-church-of-the-holy-sepulchre_us_58114e15e4b0990edc2f24e9?)

Egyptology

Nothing to report

## General Science

For the first time, magnets are be made with a 3-D printer  
<http://phys.org/news/2016-10-magnets-d-printer.html>

## Physics, Earth and Space Sciences

Space station accepts first Virginia delivery in two years

<http://phys.org/news/2016-10-space-station-virginia-delivery-years.html>

Four luminous blue variables found to be much closer than previously assumed

<http://phys.org/news/2016-10-luminous-blue-variables-closer-previously.html>

Research helps explain formation of ringed crater on the moon

<http://phys.org/news/2016-10-formation-crater-moon.html>

Proxima b Might Be a Habitable 'Ocean Planet'

<http://www.space.com/34510-proxima-b-habitable-ocean-planet.html>

Breakthrough Listen to search for intelligent life around weird star

<http://news.berkeley.edu/2016/10/25/breakthrough-listen-to-search-for-intelligent-life-around-weird-star/>

The oldest star cluster in Tarantula Nebula even older than previously thought, study finds

<http://phys.org/news/2016-10-oldest-star-cluster-tarantula-nebula.html>



## Environment, Climate Change and Alternative Energy Sources

Energy-generating floorboard lights up 35 LEDs with one footstep

[https://www.newscientist.com/article/2110565-energy-generating-floorboard-lights-up-35-leds-with-one-footstep/?utm\\_medium=Social&utm\\_campaign=Echobox&utm\\_source=Facebook&utm\\_term=Autofeed&cmpid=SOC%7cNSNS%7c2016-Echobox#link\\_time=1477522953](https://www.newscientist.com/article/2110565-energy-generating-floorboard-lights-up-35-leds-with-one-footstep/?utm_medium=Social&utm_campaign=Echobox&utm_source=Facebook&utm_term=Autofeed&cmpid=SOC%7cNSNS%7c2016-Echobox#link_time=1477522953)

Hectare by hectare, an indigenous man reforested a jungle in Indonesia's burned-out heartland

<https://news.mongabay.com/2016/10/hectare-by-hectare-an-indigenous-man-reforested-a-jungle-in-indonesias-burned-out-heartland/>

Study predicts deserts in Spain if global warming continues

<http://phys.org/news/2016-10-spain-global.html>

Israel firm wants super-efficient engine to power car revolution

<http://phys.org/news/2016-10-israel-firm-super-efficient-power-car.html>

Molten Salt Reactors could soon help power Earth and one day Mars

[https://www.wired.com/2016/10/molten-salt-reactors-soon-help-power-earth-one-day-mars/?mbid=nl\\_102816\\_p3&CNDID=41291302](https://www.wired.com/2016/10/molten-salt-reactors-soon-help-power-earth-one-day-mars/?mbid=nl_102816_p3&CNDID=41291302)

This Food Dehydrator Makes Insects Taste Like Chips

[https://www.globalcitizen.org/en/content/food-dehydrator-urban-kinosol/?utm\\_source=twitter&utm\\_medium=social&utm\\_content=global&utm\\_campaign=general-content&linkId=30224598](https://www.globalcitizen.org/en/content/food-dehydrator-urban-kinosol/?utm_source=twitter&utm_medium=social&utm_content=global&utm_campaign=general-content&linkId=30224598)

Report reveals a big dependence on freshwater fish for global food security

<http://phys.org/news/2016-10-reveals-big-freshwater-fish-global.html>

Solar battery power takes up the charge in Kenya

<http://news.trust.org/item/20161026102023-g7s79/>

World on track to lose two-thirds of wild animals by 2020, major report warns

[https://www.theguardian.com/environment/2016/oct/27/world-on-track-to-lose-two-thirds-of-wild-animals-by-2020-major-report-warns?CMP=share\\_btn\\_fb](https://www.theguardian.com/environment/2016/oct/27/world-on-track-to-lose-two-thirds-of-wild-animals-by-2020-major-report-warns?CMP=share_btn_fb)

New model suggests scrubbing CO<sub>2</sub> from the atmosphere

<http://phys.org/news/2016-10-co2-atmosphere.html>

## Biological, Genetics and Medical Sciences

Researchers Clear 'Patient Zero' From AIDS Origin Story

[http://www.npr.org/sections/health-shots/2016/10/26/498876985/mystery-solved-how-hiv-came-to-the-us?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=2052](http://www.npr.org/sections/health-shots/2016/10/26/498876985/mystery-solved-how-hiv-came-to-the-us?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=2052)

Superfast therapy cracks multidrug-resistant tuberculosis

[https://www.newscientist.com/article/2110555-superfast-therapy-cracks-multidrug-resistant-tuberculosis/?utm\\_medium=Social&utm\\_campaign=Echobox&utm\\_source=Facebook&utm\\_term=Autofeed&cmpid=SOC%7cNSNS%7c2016-Echobox#link\\_time=1477504479](https://www.newscientist.com/article/2110555-superfast-therapy-cracks-multidrug-resistant-tuberculosis/?utm_medium=Social&utm_campaign=Echobox&utm_source=Facebook&utm_term=Autofeed&cmpid=SOC%7cNSNS%7c2016-Echobox#link_time=1477504479)

Neuroscience of Touch Supports Improved Robotic and Prosthetic Interfaces

<http://www.darpa.mil/news-events/2016-10-26>

Microscopic 'nanobottles' offer blueprint for enhanced biological imaging

<http://phys.org/news/2016-10-microscopic-nanobottles-blueprint-biological-imaging.html>

New gene-editing technology successfully cures a genetic blood disorder in mice

<http://phys.org/news/2016-10-gene-editing-technology-successfully-genetic-blood.html>

## Other

What the Real Witches of America Eat

[http://www.npr.org/sections/thesalt/2016/10/26/499196147/what-the-real-witches-of-america-eat?live=1&utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=npr-news&utm\\_content=2052](http://www.npr.org/sections/thesalt/2016/10/26/499196147/what-the-real-witches-of-america-eat?live=1&utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=npr-news&utm_content=2052)

A U.S. Census proposal to add category for people of Middle Eastern descent makes some uneasy

[https://www.washingtonpost.com/local/social-issues/a-proposal-to-add-a-us-census-category-for-people-of-middle-eastern-descent-makes-some-uneasy/2016/10/20/8e9847a0-960e-11e6-bb29-bf2701dbe0a3\\_story.html](https://www.washingtonpost.com/local/social-issues/a-proposal-to-add-a-us-census-category-for-people-of-middle-eastern-descent-makes-some-uneasy/2016/10/20/8e9847a0-960e-11e6-bb29-bf2701dbe0a3_story.html)

Hyperloop Pod Hovers for the First Time

<http://www.seeker.com/hyperloop-pod-hovers-for-the-first-time-2062858249.html>

The Universe Has Probably Hosted Many Alien Civilizations: Study

[http://www.space.com/32793-intelligent-alien-life-probability-high.html?utm\\_source=facebook&utm\\_medium=facebook&utm\\_campaign=socialfbspc&cmpid=social\\_spc\\_514630](http://www.space.com/32793-intelligent-alien-life-probability-high.html?utm_source=facebook&utm_medium=facebook&utm_campaign=socialfbspc&cmpid=social_spc_514630)

## Additional Informational

UNESCO Safeguarding Syrian Cultural Heritage, Systematic excavations of archaeological sites  
<http://ht.ly/Bm6i305ulb5>

No Limit: Exploring the Science of the Universe- Video  
<https://www.youtube.com/watch?v=urQGwU7Bm3o&feature=youtu.be>

TED Talk, A temporary tattoo that brings hospital care to the home  
[http://www.ted.com/talks/todd\\_coleman\\_a\\_temporary\\_tattoo\\_that\\_brings\\_hospital\\_care\\_to\\_the\\_home?utm\\_campaign=social&utm\\_medium=referral&utm\\_source=t.co&utm\\_content=talk&utm\\_term=technology](http://www.ted.com/talks/todd_coleman_a_temporary_tattoo_that_brings_hospital_care_to_the_home?utm_campaign=social&utm_medium=referral&utm_source=t.co&utm_content=talk&utm_term=technology)

Simulating the “zombie virus” spreading through Chicago- Video  
<http://www.anl.gov/videos/simulating-zombie-virus-spreading-through-chicago>