

**Weekly Science Report  
February 17, 2017**

**“Differences are not intended to separate, to alienate. We are different  
precisely in order to realize our need of one another.”**

Archbishop Desmond Tutu

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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

Naica's crystal caves hold long-dormant life

<http://www.bbc.com/news/science-environment-39013829>

Linguist's 'big data' research supports waves of migration into the Americas

[https://www.eurekalert.org/pub\\_releases/2017-02/uov-ld021517.php](https://www.eurekalert.org/pub_releases/2017-02/uov-ld021517.php)

3-D reconstruction of skull suggests a small crocodile is a new species

[https://www.eurekalert.org/pub\\_releases/2017-02/p-3ro020917.php](https://www.eurekalert.org/pub_releases/2017-02/p-3ro020917.php)

Scarcity of resources led to violence in prehistoric central California

<https://www.sciencedaily.com/releases/2017/02/170217013044.htm>

## History

Why We Need to Fight to Save Mosul's Cultural Heritage

<http://www.smithsonianmag.com/smithsonian-institution/why-we-need-fight-save-mosuls-cultural-heritage-180962091/>

To counter Trump's travel ban, this Jewish filmmaker wants to give American Muslims a voice

[https://www.washingtonpost.com/news/inspired-life/wp/2017/02/15/to-counter-trumps-travel-ban-this-jewish-filmmaker-wants-to-give-american-muslims-a-voice/?utm\\_term=.add3577b1dc2](https://www.washingtonpost.com/news/inspired-life/wp/2017/02/15/to-counter-trumps-travel-ban-this-jewish-filmmaker-wants-to-give-american-muslims-a-voice/?utm_term=.add3577b1dc2)

FDR issued an executive order sending Japanese Americans to internment camps — 75 years ago

[https://www.washingtonpost.com/news/post-nation/wp/2017/02/12/the-supreme-court-reviewed-an-executive-order-result-one-of-the-worst-decisions-in-history/?utm\\_term=.05e1182e6113](https://www.washingtonpost.com/news/post-nation/wp/2017/02/12/the-supreme-court-reviewed-an-executive-order-result-one-of-the-worst-decisions-in-history/?utm_term=.05e1182e6113)

Museums and libraries fight 'alternative facts' with a #DayofFacts

[https://www.washingtonpost.com/news/speaking-of-science/wp/2017/02/17/museums-and-libraries-fight-alternative-facts-with-a-dayoffacts/?tid=sm\\_fb&utm\\_term=.44467a1825a5](https://www.washingtonpost.com/news/speaking-of-science/wp/2017/02/17/museums-and-libraries-fight-alternative-facts-with-a-dayoffacts/?tid=sm_fb&utm_term=.44467a1825a5)

For decades they hid Jefferson's relationship with her. Now Monticello is making room for Sally Hemings.

[https://www.washingtonpost.com/lifestyle/style/for-decades-they-hid-jeffersons-mistress-now-monticello-is-making-room-for-sally-hemings/2017/02/18/d410d660-f222-11e6-8d72-263470bf0401\\_story.html?tid=sm\\_fb&utm\\_term=.6a004b82c73a](https://www.washingtonpost.com/lifestyle/style/for-decades-they-hid-jeffersons-mistress-now-monticello-is-making-room-for-sally-hemings/2017/02/18/d410d660-f222-11e6-8d72-263470bf0401_story.html?tid=sm_fb&utm_term=.6a004b82c73a)

Pentagon launches effort to solve a baffling WWII mystery

<https://apnews.com/8270bd2cb2f34fb7bd41a8e8d50dc46a>

'Mission Impossible' raiders' £2million heist in the Great Book Robbery

<http://www.dailymail.co.uk/news/article-4215976/Gang-abseiled-warehouse-stole-rare-books.html>

Former lover of the poet known as Iran's Sylvia Plath breaks his silence

[https://www.theguardian.com/books/2017/feb/12/forough-farrokhzad-iranian-poet-ebrahim-golestan-sylvia-plath?CMP=fb\\_gu](https://www.theguardian.com/books/2017/feb/12/forough-farrokhzad-iranian-poet-ebrahim-golestan-sylvia-plath?CMP=fb_gu)

In France, Some Muslims Seek To 'Adapt' Islam To Secular Culture

[http://www.npr.org/sections/parallels/2017/02/13/512475280/in-france-some-muslims-seek-to-adapt-islam-to-secular-culture?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20170213](http://www.npr.org/sections/parallels/2017/02/13/512475280/in-france-some-muslims-seek-to-adapt-islam-to-secular-culture?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170213)

Disappearance of Seattle-based crab boat, crew a 'mystery'

<http://www.seattletimes.com/seattle-news/northwest/disappearance-of-seattle-based-crab-boat-crew-a-mystery/>

Dictionary of dead language complete after 90 years

<http://www.bbc.com/news/world-middle-east-13715296>

2,000-Year-Old Seeds Found in Chinese Tomb May Reveal Clues About the Past

<http://www.seeker.com/2000-year-old-seeds-found-in-chinese-tomb-may-reveal-clues-of-the-past-2270154005.html>

The True Friendship That Saved Abraham Lincoln's Life

<http://www.smithsonianmag.com/history/did-abraham-lincolns-bromance-alter-course-american-history-180962203/>

With Patents or Without, Black Inventors Reshaped American Industry

<http://www.smithsonianmag.com/innovation/with-patents-or-without-black-inventors-reshaped-american-industry-180962201/>

Collapse of Aztec society linked to catastrophic salmonella outbreak

<http://www.nature.com/news/collapse-of-aztec-society-linked-to-catastrophic-salmonella-outbreak-1.21485>

The Etruscans, Phoenicians, and Tartessos

<https://www.archaeology.co.uk/articles/features/the-etruscans-phoenicians-and-tartessos.htm>

## Archaeology

Is this the first wearable computer? 300-year-old Chinese abacus ring was used during the Qing Dynasty to help traders

<http://www.dailymail.co.uk/sciencetech/article-2584437/Is-wearable-computer-300-year-old-Chinese-abacus-ring-used-Qing-Dynasty-help-traders.html#ixzz4YTE4cAOG>

The crazy science of art conservation

<http://www.houstonchronicle.com/local/gray-matters/article/Wood-sculptures-bug-bags-and-museum-science-10929237.php#photo-12364372>

Stone sculptures smashed by ISIL in ancient city of Palmyra restored to former glory by Italian experts

<http://www.telegraph.co.uk/news/2017/02/16/stone-sculptures-smashed-isil-ancient-city-palmyra-restored/>

Man accused of digging hole on top of ancient mound

<http://www.tuscaloosaneews.com/news/20170217/man-accused-of-digging-hole-on-top-of-ancient-mound>

Persepolis: Iran tourism gateway faces climate threats

<http://www.aljazeera.com/indepth/inpictures/2017/01/persepolis-iran-tourism-gateway-faces-climate-threats-170131130608098.html>

Archaeological excavations cast new light on Abu Dhabi's earliest inhabitants

<http://www.emirates247.com/news/emirates/archaeological-excavations-cast-new-light-on-abu-dhabi-s-earliest-inhabitants-2017-02-01-1.647488#pt0-61504>

Chaco Canyon Oil and Gas Leases Spark Protests

<https://indiancountrymedianetwork.com/news/politics/chaco-canyon-oil-gas-leases-spark-protests/>

Iron Age Potters Carefully Recorded Earth's Magnetic Field — By Accident

[http://www.npr.org/sections/thetwo-way/2017/02/14/515032512/iron-age-potters-carefully-recorded-earths-magnetic-field-by-accident?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20170214](http://www.npr.org/sections/thetwo-way/2017/02/14/515032512/iron-age-potters-carefully-recorded-earths-magnetic-field-by-accident?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170214)

Images reveal three more Japanese WWII shipwrecks torn apart for scrap

<https://www.theguardian.com/world/2017/feb/09/images-reveal-three-more-japanese-wwii-shipwrecks-torn-apart-for-scrap?platform=hootsuite>

Indian cops arrest US businessman over idol smuggling

<http://ht.ly/nSkb30924Hr>

In a Historic First, a Large Collection of Islamic Qur'ans Travels to the U.S.

<http://www.smithsonianmag.com/smithsonian-institution/in-historic-first-large-collection-islamic-qurans-travels-to-the-us-180959421/?no-ist>

Space Archaeologist Wants Citizen Scientists To Identify Archaeological Looting

<http://www.npr.org/sections/thetwo-way/2017/01/31/512661370/space-archaeologist-wants-citizen-scientists-to-identify-archaeological-looting?platform=hootsuite>

Greece displays '7,000-year-old archaeological enigma'

<http://www.bbc.com/news/world-europe-38967924>

Archaeologists shocked to find ancient gateway at 'House of Gates'

<http://www.timesofisrael.com/archaeologists-shocked-to-find-ancient-gateway-at-house-of-gates/>

## Egyptology

Hunt for 'the discovery of the 21st century' starts again at King Tut's tomb

[https://www.washingtonpost.com/news/worldviews/wp/2017/02/13/hunt-for-the-discovery-of-the-21st-century-starts-again-at-king-tuts-tomb/?postshare=4801487173290894&tid=ss\\_tw-bottom&utm\\_term=.3b4e195dede5](https://www.washingtonpost.com/news/worldviews/wp/2017/02/13/hunt-for-the-discovery-of-the-21st-century-starts-again-at-king-tuts-tomb/?postshare=4801487173290894&tid=ss_tw-bottom&utm_term=.3b4e195dede5)

## General Science

Cleaner Robot Pulled From Fukushima Reactor Due to Immense Radiation\

<http://www.popularmechanics.com/science/energy/a25155/cleaner-robot-pulled-from-fukushima-reactor-due-to-radiation/>

DARPA: We're on cusp of merging human and machine

<http://www.computerworld.com/article/3168840/artificial-intelligence/darpa-we-re-on-cusp-of-merging-human-and-machine.html>

Updated: U.S. House passes controversial bill on NSF research

<http://www.sciencemag.org/news/2016/02/us-house-tees-controversial-bill-nsf-research>

Nepal to create world's highest free WiFi service at Everest base camp

<http://www.hindustantimes.com/world-news/nepal-to-create-world-s-highest-free-wifi-service-at-everest-base-camp/story-2Csge4BK2aObTGQp4t0lYK.html>

## Physics, Earth and Space Sciences

American NASA scientist says his work phone was seized at airport

<http://www.cnn.com/2017/02/13/us/citizen-nasa-engineer-detained-at-border-trnd/index.html?sr=fbcnni021317//www.cnn.com/2017/02/13/us/1040PMStoryLink&linkId=34460469>

One huge step: Trump's plans to privatize 'low Earth orbit' and send NASA into deep space

<https://www.yahoo.com/news/one-huge-step-for-mankind-trumps-plans-to-privatize-low-earth-orbit-and-send-nasa-into-deep-space-110005097.html>

Scientists claim existence of drowned Pacific Ocean continent

[http://www.reuters.com/article/us-new-zealand-continent-idUSKBN15X044?utm\\_campaign=trueAnthem:+Trending+Content&utm\\_content=58a80e4104d301113521538d&utm\\_medium=trueAnthem&utm\\_source=facebook](http://www.reuters.com/article/us-new-zealand-continent-idUSKBN15X044?utm_campaign=trueAnthem:+Trending+Content&utm_content=58a80e4104d301113521538d&utm_medium=trueAnthem&utm_source=facebook)

On Second Attempt, SpaceX Launches Rocket At NASA's Historic Pad

[http://www.npr.org/sections/thetwo-way/2017/02/19/516082519/watch-live-all-systems-go-for-spacex-launch-at-nasas-historic-pad?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20170219](http://www.npr.org/sections/thetwo-way/2017/02/19/516082519/watch-live-all-systems-go-for-spacex-launch-at-nasas-historic-pad?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170219)

Scientists make huge dataset of nearby stars available to public

<https://phys.org/news/2017-02-scientists-huge-dataset-nearby-stars.html>

India launches record 104 satellites at one go

<http://www.msn.com/en-us/news/world/india-launches-record-104-satellites-at-one-go/ar-AAmX5AQ?li=BBnb7Kz&ocid=SL5FDHP>

Nuclear Reactors to Power Space Exploration

<https://www.rdmag.com/article/2017/02/nuclear-reactors-power-space-exploration>

Astronomers find 60 new planets, including a 'super Earth'

<http://www.usatoday.com/story/tech/nation-now/2017/02/15/planetary-jackpot-astronomers-find-60-new-planets-lick-carnegie-exoplanet-survey/97938174/>

Gravity probe exceeds performance goals

<http://www.bbc.com/news/science-environment-38897697>

Juno to remain in current orbit at Jupiter

<https://phys.org/news/2017-02-juno-current-orbit-jupiter.html>

## Environment, Climate Change and Alternative Energy Sources

Arctic 2.0: What Happens after All the Ice Goes?

<https://www.scientificamerican.com/article/arctic-2-0-what-happens-after-all-the-ice-goes/>

This new battery runs on seawater

<http://www.treehugger.com/clean-technology/new-battery-runs-seawater.html>

Scientists have just detected a major change to the Earth's oceans linked to a warming climate

[https://www.washingtonpost.com/news/energy-environment/wp/2017/02/15/its-official-the-oceans-are-losing-oxygen-posing-growing-threats-to-marine-life/?tid=sm\\_fb&utm\\_term=.724fcdea7902](https://www.washingtonpost.com/news/energy-environment/wp/2017/02/15/its-official-the-oceans-are-losing-oxygen-posing-growing-threats-to-marine-life/?tid=sm_fb&utm_term=.724fcdea7902)

How to keep cool without costing the Earth

<http://www.economist.com/news/science-and-technology/21716599-film-worth-watching-how-keep-cool-without-costing-earth?fsrc=scn/fb/te/bl/ed/materialssciencehowtokeepcoolwithoutcostingtheearth>

An Indian Factory Is Converting CO2 From a Coal Plant Into Baking Soda

[http://www.seeker.com/an-indian-factory-is-converting-co2-from-a-coal-plant-into-baking-soda-2180448343.html?utm\\_campaign=socialflow&utm\\_source=facebook&utm\\_medium=dnewsocial](http://www.seeker.com/an-indian-factory-is-converting-co2-from-a-coal-plant-into-baking-soda-2180448343.html?utm_campaign=socialflow&utm_source=facebook&utm_medium=dnewsocial)

Panels to the people: 'Community solar' aims to democratize the sun

<http://www.csmonitor.com/Environment/Inhabit/2017/0209/Panels-to-the-people-Community-solar-aims-to-democratize-the-sun>

Physicists improve method for designing fusion experiments

<https://phys.org/news/2017-02-physicists-method-fusion.html>

Pollution Has Worked Its Way Down To The World's Deepest Waters

[http://www.npr.org/sections/thetwo-way/2017/02/13/514997248/pollution-has-worked-its-way-down-to-the-worlds-deepest-waters?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20170213](http://www.npr.org/sections/thetwo-way/2017/02/13/514997248/pollution-has-worked-its-way-down-to-the-worlds-deepest-waters?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170213)

Diehard Coders just rescue NASA's Earth Science data

[https://www.wired.com/2017/02/diehard-coders-just-saved-nasas-earth-science-data/?mbid=nl\\_21417\\_p4&CNDID=41291302](https://www.wired.com/2017/02/diehard-coders-just-saved-nasas-earth-science-data/?mbid=nl_21417_p4&CNDID=41291302)

The Endangered Species Act may be heading for the threatened list. This hearing confirmed it.

[https://www.washingtonpost.com/news/energy-environment/wp/2017/02/15/the-endangered-species-act-may-be-heading-for-the-threatened-list-this-hearing-confirmed-it/?utm\\_term=.847479cf3819](https://www.washingtonpost.com/news/energy-environment/wp/2017/02/15/the-endangered-species-act-may-be-heading-for-the-threatened-list-this-hearing-confirmed-it/?utm_term=.847479cf3819)

Wireless power transmission safely charges devices anywhere within a room

<https://phys.org/news/2017-02-wireless-power-transmission-safely-devices.html>

Boom time globally for urban farming projects

<http://www.hortweek.com/boom-time-globally-urban-farming-projects/edibles/article/1422657>

Millions of Tesla battery cells are powering thousands of LA homes

<http://www.theverge.com/2017/2/6/14523196/tesla-battery-powerpack-los-angeles-electricity>

## Biological, Genetics and Medical Sciences

These teens are working to cure cancer and solve the mysteries of the universe

[https://www.washingtonpost.com/local/education/these-teens-are-working-to-cure-cancer-and-solve-the-mysteries-of-the-universe/2017/02/12/4116c114-ea3c-11e6-b82f-687d6e6a3e7c\\_story.html?utm\\_term=.fbb011531999](https://www.washingtonpost.com/local/education/these-teens-are-working-to-cure-cancer-and-solve-the-mysteries-of-the-universe/2017/02/12/4116c114-ea3c-11e6-b82f-687d6e6a3e7c_story.html?utm_term=.fbb011531999)

Scientific Panel Says Editing Heritable Human Genes Could Be OK In The Future

[http://www.npr.org/sections/health-shots/2017/02/14/514580162/scientific-panel-says-editing-heritable-human-genes-could-be-ok-in-the-future?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20170214](http://www.npr.org/sections/health-shots/2017/02/14/514580162/scientific-panel-says-editing-heritable-human-genes-could-be-ok-in-the-future?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170214)

High-tech glasses are helping blind people see

<http://www.usatoday.com/story/tech/columnist/2017/02/15/high-tech-glasses-helping-blind-people-see/97960470/>

## Other

Why I'd Rather Not March

[http://www.npr.org/sections/13.7/2017/02/12/513873493/why-id-rather-not-march?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20170212](http://www.npr.org/sections/13.7/2017/02/12/513873493/why-id-rather-not-march?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20170212)

DeVos criticized teachers at D.C. school she visited — and they are not having it

[https://www.washingtonpost.com/news/education/wp/2017/02/18/devos-criticized-teachers-at-d-c-school-she-visited-and-they-are-not-having-it/?tid=sm\\_fb&utm\\_term=.b4df573af2e7](https://www.washingtonpost.com/news/education/wp/2017/02/18/devos-criticized-teachers-at-d-c-school-she-visited-and-they-are-not-having-it/?tid=sm_fb&utm_term=.b4df573af2e7)

Can 'only education' solve the fake news problem?

<http://www.usatoday.com/story/news/nation/2017/02/13/fake-news-101/97846922/>

Adam Nimoy's Deep Space Nine documentary fully crowdfunded in one day

[http://www.blastr.com/2017-2-12/adam-nimoys-deep-space-nine-documentary-fully-crowdfunded-one-day?\\_source=Blastr+True+Anthem+Blastr+Facebook&utm\\_campaign=trueAnthem:+Trending+Content&utm\\_content=58a0e8f504d30170bad42248&utm\\_medium=trueAnthem&utm\\_source=facebook](http://www.blastr.com/2017-2-12/adam-nimoys-deep-space-nine-documentary-fully-crowdfunded-one-day?_source=Blastr+True+Anthem+Blastr+Facebook&utm_campaign=trueAnthem:+Trending+Content&utm_content=58a0e8f504d30170bad42248&utm_medium=trueAnthem&utm_source=facebook)

Spanner, the Google database that mastered time, is now open to everyone

[https://www.wired.com/2017/02/spanner-google-database-harnessed-time-now-open-everyone/?mbid=nl\\_21417\\_p1&CNDID=41291302](https://www.wired.com/2017/02/spanner-google-database-harnessed-time-now-open-everyone/?mbid=nl_21417_p1&CNDID=41291302)

Lost Winston Churchill essay reveals his thoughts on alien life

<http://www.theverge.com/2017/2/15/14616152/winston-churchill-essay-alien-life-planets-space>

Creationist Ken Ham's Giant 'Noah's Ark' To Feature Dinosaurs vs. Giants Diorama

[http://www.huffingtonpost.com/entry/noahs-ark-dinosaurs-giants\\_us\\_58a69922e4b045cd34c04de5?](http://www.huffingtonpost.com/entry/noahs-ark-dinosaurs-giants_us_58a69922e4b045cd34c04de5?)

## Additional Informational

Innovate Against Hate: Innovation Prize Request for Proposals  
<http://www.adl.org/combating-hate/cyber-safety/c/innovate-against-hate.html#.WG6y7IMrLcs?referrer=https://t.co/ejmLbugBsz>

Valarie Kaur at Watch Night Service- Video  
<https://www.youtube.com/watch?v=LCenwgheIBs>

U.S. Holocaust Memorial Museum, Saving a Syrian Synagogue Webcast Recording  
[https://www.ushmm.org/watch/syrian-synagogue/?mkt\\_tok=eyJpIjoiWVRZNVpETmxaakJpWkRsaClInQiOiJKdkNrRWVsalRmSTBCU0N4ZUdkOTMxRHUrUDYzCswcUswd3J6K2N2ZU5qZXZHZGhCeTk1XC9mMlpPUXVPdWhoT3IFSUVpVDN2Rnk3U2NjWFRhaTZcL0R3YUcwNDNUZytLRW1UaWFsM0hoXC9hZzA4YTRPZ3pONVIQa3N6ZVVYmJrZYSJ9](https://www.ushmm.org/watch/syrian-synagogue/?mkt_tok=eyJpIjoiWVRZNVpETmxaakJpWkRsaClInQiOiJKdkNrRWVsalRmSTBCU0N4ZUdkOTMxRHUrUDYzCswcUswd3J6K2N2ZU5qZXZHZGhCeTk1XC9mMlpPUXVPdWhoT3IFSUVpVDN2Rnk3U2NjWFRhaTZcL0R3YUcwNDNUZytLRW1UaWFsM0hoXC9hZzA4YTRPZ3pONVIQa3N6ZVVYmJrZYSJ9)

Deciphering the Indus Script  
<https://www.harappa.com/content/deciphering-indus-script>