

# Weekly Science Report

## July 31, 2015

**“Do you open your hearts to the memories that your grandparents pass on? Grandparents are like the wisdom of the family, they are the wisdom of a people.**

Pope Francis

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## **Introduction**

I created this publication with the support of Graham Hancock and John Anthony West to share news and information on various disciplines to include paleontology, space sciences, genetics and archaeology. My goal behind sharing this publication has always been very simple, by sharing knowledge we can make our world a better place. Since the beginning of the internet age we have always heard of the world being drawn together but through my investigations I've never found a publication like the Weekly Science Report. This publication is my contribution to bring people together and share ideas and discoveries with my 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 cataclysmic event of a certain age

<http://phys.org/news/2015-07-cataclysmic-event-age.html>

Ancient tooth found in French cave

<http://www.bbc.com/news/science-environment-33690713>

The Extinction Of Woolly Mammoths And Other Species Coincided With Mysterious Climate Cycles

[http://www.forbes.com/sites/shaenamontanari/2015/07/27/ice-age-megafauna-extinctions-coincide-with-mysterious-climate-cycles/?utm\\_medium=referral&utm\\_source=pulsenews](http://www.forbes.com/sites/shaenamontanari/2015/07/27/ice-age-megafauna-extinctions-coincide-with-mysterious-climate-cycles/?utm_medium=referral&utm_source=pulsenews)

Archaeologists uncover human settlement dated to the dawn of civilization

<http://popular-archaeology.com/issue/summer-2015/article/archaeologists-uncover-human-settlement-dated-to-the-dawn-of-civilization>

First glimpse inside the Siberian cave that holds the key to man's origins

<http://siberiantimes.com/science/casestudy/features/f0135-first-glimpse-inside-the-siberian-cave-that-holds-the-key-to-mans-origins/>

Study Finds Abrupt Climate Change May Have Rocked the Cradle of Civilization

<http://rsmas.miami.edu/news-events/press-releases/2015/study-finds-abrupt-climate-change-may-have-rocked-the-cradle-of-civilization/>

ASU archaeologist uses new methods to explore how humans became farmers

<https://asunews.asu.edu/20150721-ullah-archaeology-agriculture-shift>

Evidence for plant cultivation at 23,000-year-old site in Galilee

<http://www.pasthorizonspr.com/index.php/archives/07/2015/evidence-for-plant-cultivation-at-23000-year-old-site-in-galilee>

Fragments of a 40,000 year old female figurine found in Hohle Fels

<http://www.pasthorizonspr.com/index.php/archives/07/2015/fragments-of-a-40000-year-old-female-figurine-found-in-hohle-fels>

## History

Peru Plans First Contact with Isolated Amazonian Tribe

[http://www.history.com/news/peru-plans-first-contact-with-isolated-amazonian-tribe?cmpid=Social\\_FBPAGE\\_HISTORY\\_20150727\\_214523380&linkId=15879074](http://www.history.com/news/peru-plans-first-contact-with-isolated-amazonian-tribe?cmpid=Social_FBPAGE_HISTORY_20150727_214523380&linkId=15879074)

Sweden Probes Claim of Russian Submarine Wreck in Its Waters

<http://www.nbcnews.com/news/world/sweden-probes-claim-russian-submarine-wreck-its-waters-n399471>

The black Victorians: astonishing portraits unseen for 120 years

<http://www.theguardian.com/artanddesign/2014/sep/15/black-chronicles-ii-victorians-photography-exhibition-rivington-place>

100 years ago, the U.S. invaded and occupied this country. Can you name it?

[https://www.washingtonpost.com/news/worldviews/wp/2015/07/30/100-years-ago-the-u-s-invaded-and-occupied-this-country-can-you-name-it/?tid=sm\\_fb](https://www.washingtonpost.com/news/worldviews/wp/2015/07/30/100-years-ago-the-u-s-invaded-and-occupied-this-country-can-you-name-it/?tid=sm_fb)

New evidence emerges on Jimmy Hoffa's fate

<http://www.msn.com/en-us/news/us/new-evidence-emerges-on-jimmy-hoffas-fate/ar-AAAdHGAd?ocid=LENDHP>

Conservatives convinced College Board to rewrite American history

[http://www.washingtonpost.com/local/education/college-board-rewrites-american-history/2015/07/30/cadadd4c-36d1-11e5-b673-1df005a0fb28\\_story.html?tid=sm\\_fb](http://www.washingtonpost.com/local/education/college-board-rewrites-american-history/2015/07/30/cadadd4c-36d1-11e5-b673-1df005a0fb28_story.html?tid=sm_fb)

Germany shelves Nazi crimes probe of US man

<http://news.yahoo.com/apnewsbreak-germany-shelves-nazi-crimes-probe-us-man-101032226.html>

As salmon vanish in the dry Pacific Northwest, so does Native heritage

[http://www.washingtonpost.com/national/health-science/as-salmon-vanish-in-the-dry-pacific-northwest-so-does-native-heritage/2015/07/30/2ae9f7a6-2f14-11e5-8f36-18d1d501920d\\_story.html](http://www.washingtonpost.com/national/health-science/as-salmon-vanish-in-the-dry-pacific-northwest-so-does-native-heritage/2015/07/30/2ae9f7a6-2f14-11e5-8f36-18d1d501920d_story.html)

The British Soldier Who Killed Nazis with a Sword and a Longbow

[http://www.vice.com/read/the-strange-tale-of-the-british-soldier-who-killed-nazis-with-a-sword-and-a-longbow?utm\\_source=vicetwitterus](http://www.vice.com/read/the-strange-tale-of-the-british-soldier-who-killed-nazis-with-a-sword-and-a-longbow?utm_source=vicetwitterus)

Gallipoli Then and Now: The last men standing inspire two nations

<http://www.abc.net.au/news/2015-07-27/last-men-standing-from-gallipoli-campaign-inspire-two-nations/6646042>

126-Yr-Old Suicide-Pact Note Spotlights Royal Romance

<http://news.discovery.com/history/126-yr-old-suicide-pact-note-spotlights-royal-romance.htm>

HMS Victory: The mystery of Britain's worst naval disaster is finally solved - 271 years later

<http://www.independent.co.uk/news/uk/home-news/hms-victory-the-mystery-of-britains-worst-naval-disaster-is-finally-solved--271-years-later-10431814.html>

Ancient Irish were first to record an eclipse – 5,355 years ago

<http://www.irishcentral.com/roots/history/Ancient-Irish-recorded-worlds-first-eclipse-5355-years-ago.html>

New research on the causes of the Viking Age

[http://www.eurekalert.org/pub\\_releases/2015-07/uoy-nro072715.php](http://www.eurekalert.org/pub_releases/2015-07/uoy-nro072715.php)

## Archaeology

Gruesome Find: 100 Bodies Stuffed into Ancient House

<http://news.yahoo.com/gruesome-100-bodies-stuffed-ancient-house-122124389.html>

New archaeological discovery in Greece

<http://neoskosmos.com/news/en/New-archaeological-discovery-in-Antiparos>

Neolithic house discovery at Avebury stone circle dig

<http://www.bbc.com/news/uk-england-wiltshire-33686240>

Maya Shrine Reveals Arrival of 'New World Order'

<http://news.nationalgeographic.com/2015/07/150724-Maya-hieroglyph-shrine-Tikal-Calakmul-Guatemala-archaeology-stele-discovery-Peten-epigraphy/>

£500,000 project to save 1,200-year-old mosque threatened by Islamic State

<http://www.telegraph.co.uk/travel/destinations/middleeast/iraq/11772875/500000-project-to-save-1000-year-old-mosque-threatened-by-Islamic-State.html>

Jamestown excavation unearths four bodies — and a mystery in a small box

[http://www.washingtonpost.com/local/jamestown-excavation-unearths-four-bodies--and-a-mystery-in-a-small-box/2015/07/27/0bb51cb8-2a59-11e5-a5ea-cf74396e59ec\\_story.html?postshare=4561438136632942](http://www.washingtonpost.com/local/jamestown-excavation-unearths-four-bodies--and-a-mystery-in-a-small-box/2015/07/27/0bb51cb8-2a59-11e5-a5ea-cf74396e59ec_story.html?postshare=4561438136632942)

Remains of Nazi-Destroyed Synagogue Found Using Radar

<http://www.livescience.com/51713-great-synagogue-vilna-archaeology.html>

Pre-Colonial Town Excavated in Virginia

<http://www.archaeology.org/news/3529-150730-kiskiack-post-holes>

New Archaeological Findings of Apollo Sanctuary on Greek Island

<http://greece.greekreporter.com/2015/07/30/new-archaeological-findings-of-apollo-sanctuary-on-greek-island/#sthash.0NazIdi2.dpuf>

Earliest Pictish fort yet discovered was situated on sea stack

<http://www.pasthorizonspr.com/index.php/archives/07/2015/earliest-pictish-fort-yet-discovered-was-situated-on-sea-stack>

Obsidian a bread crumb trail to the past for Alaska archaeologist

[http://www.newsminer.com/news/local\\_news/obsidian-a-bread-crumb-trail-to-the-past-for-alaska/article\\_ee09b44a-34ed-11e5-ba52-bf1b4bc0d8d0.html](http://www.newsminer.com/news/local_news/obsidian-a-bread-crumb-trail-to-the-past-for-alaska/article_ee09b44a-34ed-11e5-ba52-bf1b4bc0d8d0.html)

Brazilian archaeologists find human presence dating back 4,000 years in Rio

<http://latino.foxnews.com/latino/entertainment/2015/07/28/brazilian-archaeologists-find-human-presence-dating-back-4000-years-in-rio/>

Puebloan archaeological site buried for safekeeping

<http://www.usatoday.com/story/news/nation/2015/07/26/puebloan-archaeological-site-buried-safekeeping/30717203/>

## Egyptology

4,000-year-old stelai unearthed south of Aswan

<http://www.thecairopost.com/news/161537/culture/4000-year-old-stelai-unearthed-south-of-aswan>

## General Science

Elon Musk and Stephen Hawking Among Hundreds to Urge Ban on Military Robots

<http://www.nytimes.com/2015/07/28/technology/elon-musk-and-stephen-hawking-among-hundreds-to-urge-ban-on-military-robots.html?smid=fb-nytimes&smtyp=cur&r=0>

Hacked Molecular Machine Could Pump Out Custom Chemicals

<http://www.scientificamerican.com/article/hacked-molecular-machine-could-pump-out-custom-proteins/>

## Physics, Earth and Space Sciences

New blow for 'supersymmetry' physics theory

<http://phys.org/news/2015-07-supersymmetry-physics-theory.html>

NASA tells lawmakers to brace for more Pluto secrets revealed by mission

<http://www.latimes.com/nation/la-na-pluto-hearing-new-horizons-20150728-story.html>

'Impossible' rocket drive works and could get to Moon in four hours

<http://www.telegraph.co.uk/news/science/space/11769030/Impossible-rocket-drive-works-and-could-get-to-Moon-in-four-hours.html>

Sub That Made Deep-Sea History Damaged in Highway Fire

<http://news.nationalgeographic.com/2015/07/150724-deepsea-challenger-fire-submarine-james-cameron/>

Nearest rocky planet outside our solar system found

<http://www.cnn.com/2015/07/30/us/exoplanet-discovered/index.html?sr=cnnfb>

SpaceShipTwo 'Pilot Was Thrown From The Vehicle' High In Atmosphere

[http://www.npr.org/sections/thetwo-way/2015/07/29/427473040/spaceship-2-pilot-was-thrown-from-the-vehicle-high-in-atmosphere?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20150729](http://www.npr.org/sections/thetwo-way/2015/07/29/427473040/spaceship-2-pilot-was-thrown-from-the-vehicle-high-in-atmosphere?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20150729)

Beam Me Up? Teleporting Is Real, Even If Trekkie Transport Isn't

[http://www.npr.org/sections/alltechconsidered/2015/07/29/427161157/beam-me-up-teleporting-is-real-even-if-trekkie-transport-isnt?utm\\_source=facebook.com&utm\\_medium=social&utm\\_campaign=npr&utm\\_term=nprnews&utm\\_content=20150729](http://www.npr.org/sections/alltechconsidered/2015/07/29/427161157/beam-me-up-teleporting-is-real-even-if-trekkie-transport-isnt?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20150729)

Astronomers find star with three super-Earths

<http://news.yahoo.com/astronomers-star-three-super-earths-195105678.html>

Preserving the stary, stary night

<http://www.cbsnews.com/news/preserving-the-starry-starry-night-2/>

Earth magnetic shield is older than previously thought

<http://www.bbc.com/news/science-environment-33721393>

Nasa working to avoid traffic jams around Mars

<http://timesofindia.indiatimes.com/home/science/Nasa-working-to-avoid-traffic-jams-around-Mars/articleshow/48317988.cms>



## Environment, Climate Change and Alternative Energy Sources

Sol-gel capacitor dielectric offers record-high energy storage

<http://phys.org/news/2015-07-sol-gel-capacitor-dielectric-record-high-energy.html>

Minnesota city fights solar system approved by state

[http://www.foxnews.com/politics/2015/07/29/minnesota-city-fights-solar-system-approved-by-state/?cmpid=app\\_pulse&utm\\_medium=referral&utm\\_source=pulsenews](http://www.foxnews.com/politics/2015/07/29/minnesota-city-fights-solar-system-approved-by-state/?cmpid=app_pulse&utm_medium=referral&utm_source=pulsenews)

Could Next-Gen Reactors Spark Revival In Nuclear Power?

<http://news.nationalgeographic.com/energy/2015/07/150724-next-gen-reactors-seek-to-revive-nuclear-power/>

Why This 14-Year-Old Kid Built a Nuclear Reactor

<http://news.nationalgeographic.com/2015/07/150726-nuclear-reactor-fusion-science-kid-ngbooktalk/>

Zimbabwe: American lion killer's extradition being sought

<http://www.miamiherald.com/news/nation-world/article29624854.html>

Obama to Unveil 'Biggest Step Ever' in Climate Fight

<http://news.discovery.com/earth/global-warming/obama-to-unveil-biggest-step-ever-in-climate-fight-150802.htm>

**'Carbon sink' detected underneath world's deserts**

[http://www.eurekalert.org/pub\\_releases/2015-07/aqu-sd072815.php](http://www.eurekalert.org/pub_releases/2015-07/aqu-sd072815.php)

Winds Of Change? Rhode Island Hopes For First Offshore Wind Farm

<http://www.npr.org/2015/08/01/428076271/winds-of-change-rhode-island-hopes-for-first-offshore-wind-farm>

First aqueous solar flow battery designed

<http://timesofindia.indiatimes.com/home/science/First-aqueous-solar-flow-battery-designed/articleshow/48318690.cms>

## Biological, Genetics and Medical Sciences

Whale Deaths Off Alaska Island Remain a Mystery: Scientist

[http://www.nbcnews.com/science/environment/whale-deaths-alaska-island-remain-mystery-scientist-n399676?cid=sm\\_fb](http://www.nbcnews.com/science/environment/whale-deaths-alaska-island-remain-mystery-scientist-n399676?cid=sm_fb)

New Sun-Blocking Material Uses Compounds From Algae And Fish

[http://www.popsi.com/new-sun-blocking-material-uses-compounds-algae-and-fish?con&dom=pulse&src=syndication&utm\\_medium=referral&utm\\_source=pulsenews](http://www.popsi.com/new-sun-blocking-material-uses-compounds-algae-and-fish?con&dom=pulse&src=syndication&utm_medium=referral&utm_source=pulsenews)

New treatment options for a fatal leukemia

<http://medicalxpress.com/news/2015-07-treatment-options-fatal-leukemia.html>

## Other

Scientists Can Now Turn Organic Cells Into Tiny Lasers

[http://www.popsoci.com/scientists-can-now-turn-organic-cells-tiny-lasers?con&dom=pulse&src=syndication&utm\\_medium=referral&utm\\_source=pulsenews](http://www.popsoci.com/scientists-can-now-turn-organic-cells-tiny-lasers?con&dom=pulse&src=syndication&utm_medium=referral&utm_source=pulsenews)

Will Cities of the Future Float?

<http://maritime-executive.com/article/will-cities-of-the-future-float>

Vatican sceptical about close encounters of the third kind

<http://phys.org/news/2015-07-vatican-sceptical-encounters-kind.html>

## Additional Informational

TED Talk, A tool to fix one of the most dangerous moments in surgery- Video  
[http://www.ted.com/talks/nikolai\\_begg\\_a\\_tool\\_to\\_fix\\_one\\_of\\_the\\_most\\_dangerous\\_moments\\_in\\_surgery](http://www.ted.com/talks/nikolai_begg_a_tool_to_fix_one_of_the_most_dangerous_moments_in_surgery)

**Star Trek Axanar:** <http://www.startrekaxanar.com/>

Axanar is a ground breaking independent film that proves the idea that a studio doesn't need to spend millions of dollars to produce a feature quality production. Axanar will be the first non-CBS/Paramount produced Star Trek to look and feel like a true Star Trek movie.

- Facebook Page: <https://www.facebook.com/StarTrekAxanar>
- Twitter Page: <https://twitter.com/startrekaxanar>

Fundraising Page

<https://www.indiegogo.com/projects/star-trek-axanar#/story?campaign=fbads>