

Weekly Science Report

July 17, 2015

“The difference between stupidity and genius is that genius has its limits.”

Albert Einstein

Table of Contents

Introduction	2
News Articles	3
Paleontology, Evolution and Prehistoric Studies	3
History	4
Archaeology	6
Egyptology	8
General Science	9
Physics, Earth and Space Sciences	10
Environment, Climate Change and Alternative Energy Sources	12
Biological, Genetics and Medical Sciences	13
Other	14
Additional Informational	15

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

What stone tools found in southern tip of Africa tell us about the human story
<https://theconversation.com/what-stone-tools-found-in-southern-tip-of-africa-tell-us-about-the-human-story-43986>

Evolution of our mammalian ancestor's ear bone -- first detailed study
http://www.eurekalert.org/pub_releases/2015-07/uotw-00071415.php

The Scopes Trial Redefined Science Journalism and Shaped It to What It Is Today
<http://www.smithsonianmag.com/smithsonian-institution/scopes-trial-redefined-science-journalism-shaped-it-what-it-is-today-180955881/>

What Killed the Dinosaurs in Utah's Giant Jurassic Death Pit?
<http://www.smithsonianmag.com/science-nature/what-killed-dinosaurs-utahs-giant-jurassic-death-pit-180955878/>

100 million-year-old fossils shed new light on Australia's ancient inland sea
<http://www.theguardian.com/science/2015/jul/17/100-million-year-old-fossils-shed-new-light-on-australias-ancient-inland-sea>

Oldest Dentistry Found in 14,000-Year-Old Tooth
<http://news.discovery.com/history/oldest-dentistry-found-in-14000-year-old-tooth-1507156.htm>

Kennewick Man remains a valuable teacher
<http://www.dispatch.com/content/stories/science/2015/07/12/01-kennewick-man-remains-a-valuable-teacher.html>

South African sites reveal more about early modern human culture
<http://popular-archaeology.com/issue/summer-2015/article/south-african-sites-reveal-more-about-early-modern-human-culture>

Mesolithic hunters moved through Cairngorm glens 8,000 years ago
<http://www.pasthorizonspr.com/index.php/archives/07/2015/mesolithic-hunters-moved-through-cairngorm-glens-8000-years-ago>

New Big Feathered Dino Busts Velociraptor Myths
http://news.discovery.com/animals/dinosaurs/new-big-feathered-dino-busts-velociraptor-myths-150716.htm?utm_medium=referral&utm_source=pulsenews#mkcpgn=rssnws1

50-Million-Year-Old Worm Sperm Found Preserved In Antarctica
http://www.popsci.com/50-million-year-old-worm-sperm-found-preserved-antarctica?con&dom=pulse&src=syndication&utm_medium=referral&utm_source=pulsenews

History

Supporters Push for Mitsuye Endo's Presidential Medal of Freedom

http://www.nbcnews.com/news/asian-america/supporters-recommend-presidential-medal-freedom-mitsuye-endo-n391736?cid=sm_fb

Fearless Journalist And All-Round Badass Ida B. Wells Honored With Google Doodle

http://www.huffingtonpost.com/entry/ida-b-wells-google-doodle_55a75a3ae4b0896514d05be2?ncid=edlinkushpmg00000117&source=TDB&via=FB_Page

The 6 Most Gruesome Grave Robberies

<http://www.livescience.com/51591-gruesome-grave-robbes.html>

An Attempt to Keep the Dying Gottschee Culture Very Much Alive

<http://www.smithsonianmag.com/history/attempt-keep-dying-gottschee-culture-very-much-alive-180955915/>

Inside the Secret World of Russia's Cold War Mapmakers

<http://www.wired.com/2015/07/secret-cold-war-maps/>

Norwegian iron helped build Iron Age Europe

<http://www.sciencedaily.com/releases/2015/07/150708072520.htm>

How the Nazi telegram that helped drive Hitler to suicide was nearly forgotten in a S.C. safe

http://www.washingtonpost.com/news/morning-mix/wp/2015/07/10/how-the-nazi-telegram-that-helped-drive-hitler-to-suicide-was-nearly-forgotten-in-a-s-c-safe/?tid=sms_fb

UNESCO backs Jordan as Jesus' baptism site as debate goes on

<http://news.yahoo.com/unesco-backs-jordan-jesus-baptism-debate-goes-075335569.html>

Former Auschwitz guard, 94, convicted as accessory to murder

<http://news.yahoo.com/former-auschwitz-guard-94-convicted-accessory-murder-075738937.html>

70 years on, Japanese firm to apologize to US WWII veterans

<http://news.yahoo.com/70-years-japanese-firm-apologize-111420777.html>

Anguish Haunts Northern Ireland's Retired Terrorists

http://www.nbcnews.com/news/world/anguish-haunts-northern-irelands-retired-terrorists-n392326?cid=sm_fc

Incredible Color Photos Give A Rare Look At London During The Blitz

http://www.huffingtonpost.com/2015/07/13/london-blitz-photos_n_7788418.html

Lithuania plans to remove remaining Soviet-era monuments in capital

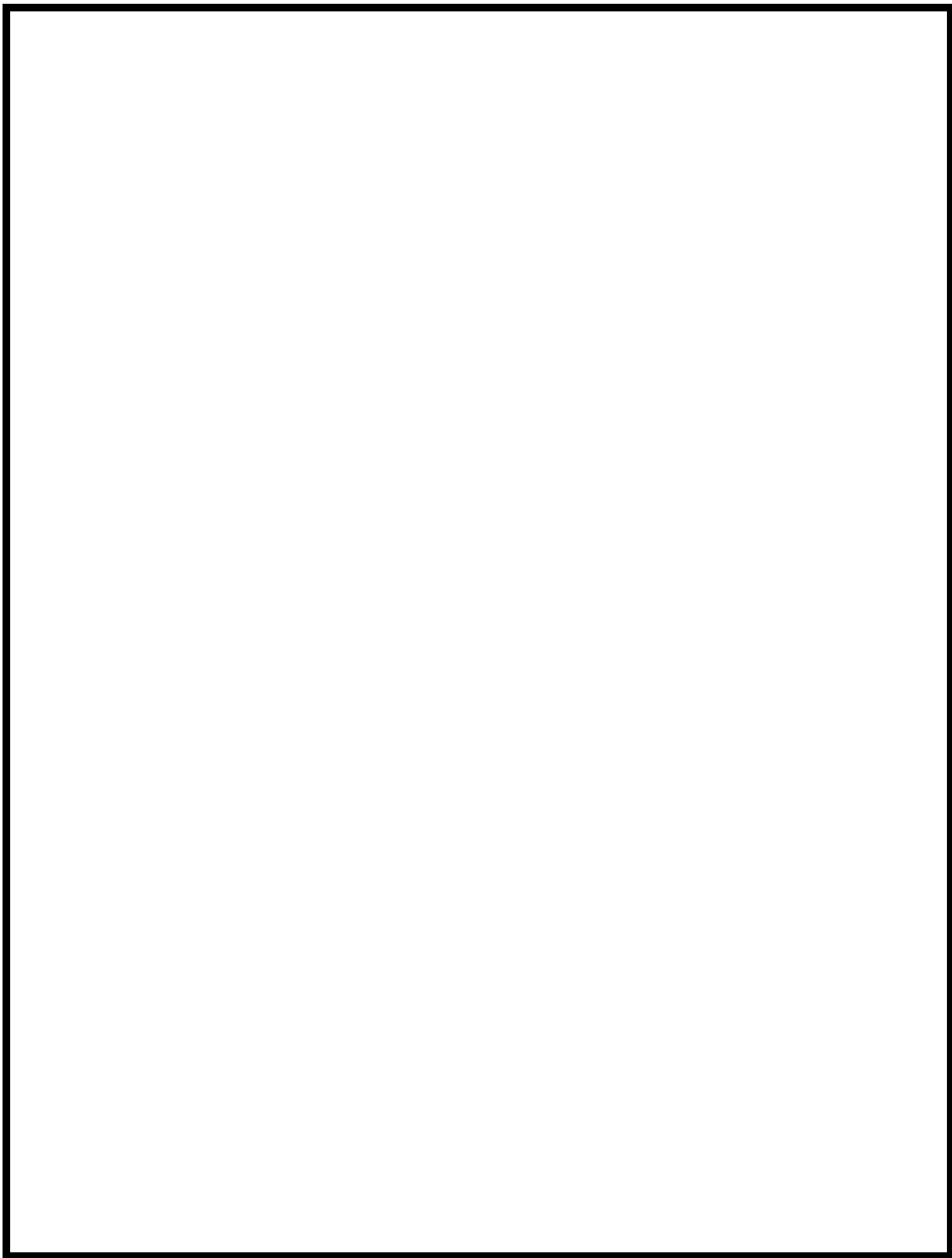
http://www.upi.com/Top_News/World-News/2015/07/16/Lithuania-plans-to-remove-remaining-Soviet-era-monuments-in-capital/3641437072016/?utm_medium=referral&utm_source=pulsenews

The intriguing reason a Holocaust survivor did not want 'Auschwitz accountant' in prison

http://www.washingtonpost.com/news/morning-mix/wp/2015/07/16/the-intriguing-reason-a-holocaust-survivor-did-not-want-auschwitz-accountant-in-prison/?tid=sm_fb

Why We Still Mourn for Wounded Knee

<http://indiancountrytodaymedianetwork.com/2014/01/03/why-we-still-mourn-wounded-knee>



Archaeology

Centuries-old shipwreck discovered off North Carolina coast

http://www.eurekalert.org/pub_releases/2015-07/du-csd071715.php

Destroyed Iraqi Holy Sites Find New Life Online

<http://www.livescience.com/51577-destroyed-iraq-sites-documented-photos.html>

In Search of a Philosopher's Stone

<http://archaeology.org/issues/180-1507/features/3344-turkey-oinoanda-epicurean-inscription>

Early Maori Village Unearthed

<http://www.archaeology.org/news/3495-150717-maori-fishing-village>

Texas Department of Transportation stumbles upon centuries old Caddo village

<http://www.chron.com/news/transportation/article/TxDOT-stumbles-upon-prehistoric-Caddo-village-6388938.php>

'Mummy of a child warrior from 'lost medieval civilisation' unearthed near Arctic'

<http://siberiantimes.com/science/casestudy/news/n0314-mummy-of-a-child-warrior-from-lost-medieval-civilisation-unearthed-near-arctic/>

Classic ancient Maya "collapse" not caused by overpopulation and deforestation, say researchers

<http://popular-archaeology.com/issue/summer-2015/article/classic-ancient-maya-collapse-not-caused-by-overpopulation-and-deforestation-say-researchers>

Remnants of India's One of the Oldest Port Found in Goa

<http://www.ndtv.com/goa-news/remnants-of-indias-one-of-the-oldest-port-found-in-go-781846>

New assessment of recently found Mayan pyramid puts it up among the biggest

<http://www.news.com.au/technology/science/new-assessment-of-recently-found-mayan-pyramid-puts-it-up-among-the-biggest/story-fnjwl1aw-1227441201493>

Peru's Nazca Lines Reveal Mysterious New Animal Images

<http://news.discovery.com/history/archaeology/new-animal-images-found-at-perus-nazca-lines-150714.htm>

The boneyard of the bizarre that rewrites our Celtic past to include hybrid-animal monster myths

<http://www.independent.co.uk/news/science/archaeology/news/the-boneyard-of-the-bizarre-that-rewrites-our-celtic-past-to-include-hybrid-animal-monster-myths-10381965.html>

Ministry of Culture finishes recuperation of archaeological complex

<http://www.peruthisweek.com/news-ministry-of-culture-finishes-recuperation-of-archaeological-complex-106963>

Endangered ancient Maya sites saved

<http://popular-archaeology.com/issue/summer-2015/article/endangered-ancient-maya-sites-saved>

Yamagata University team discovers 24 ancient geoglyphs in Peru

http://ajw.asahi.com/article/behind_news/social_affairs/AJ201507080063

Archaeologists find intact Maya hieroglyphic panels and well-preserved stela

<http://www.pasthorizonspr.com/index.php/archives/07/2015/archaeologists-find-intact-maya-hieroglyphic-panels-and-well-preserved-stela>

Dig Unearths Prehistoric Town

<https://www1.bournemouth.ac.uk/news/2015-07-12/dig-unearths-prehistoric-town>

The rise and fall of a forgotten Phoenician city (and its connection to the Israelites)
<http://www.jpost.com/Business-and-Innovation/Environment/The-rise-and-fall-of-a-forgotten-Phoenician-city-and-what-this-has-to-do-with-the-Israelites-406765>

Getty Center to Recreate the Cave Temples of Dunhuang
http://artsbeat.blogs.nytimes.com/2015/07/14/getty-center-to-recreate-the-cave-temples-of-dunhuang/?_r=1

A 500-year old mummy with teeth
<http://www.bbc.com/travel/story/20150501-a-500-year-old-mummy-with-teeth>

France discreetly returns looted gold antiquities to China
<http://www.telegraph.co.uk/news/worldnews/europe/france/11721440/France-discreetly-returns-looted-gold-antiquities-to-China.html>

Iraq displays ancient artefacts recovered by US special forces in Syria
<http://www.belfasttelegraph.co.uk/news/world-news/iraq-displays-ancient-artefacts-recovered-by-us-special-forces-in-syria-31379239.html>

Thief returns ancient Roman loot that brought him "trouble"
<http://www.dw.com/en/thief-returns-ancient-roman-loot-that-brought-him-trouble/a-18581548>

Explorer's 'pirate wreck' claim false, says UNESCO
<http://news.yahoo.com/explorers-pirate-wreck-claim-false-says-unesco-152238042.html>

Egyptology

Treating Nespekashuti's coffin

http://www.penn.museum/sites/artifactlab/2015/07/11/treating-nespekashutis-coffin/?utm_source=twitter&utm_medium=post&utm_content=art-lab&utm_campaign=pr

Investigating a Neolithic cemetery in the Western Desert

<http://www.pasthorizonspr.com/index.php/archives/07/2015/investigating-a-neolithic-cemetery-in-the-western-desert>

Naqada tombs uncovered in Egypt's Daqahliyah

<http://english.ahram.org.eg/NewsContent/9/40/134767/Heritage/Ancient-Egypt/Naqada-tombs-uncovered-in-Egypt-Daqahliyah.aspx>

General Science

IBM Announces Breakthrough In Chip Technology

<http://www.npr.org/sections/thetwo-way/2015/07/09/421477061/ibm-announces-breakthrough-in-chip-technology?sc=tw>

After 85-year search, massless particle with promise for next-generation electronics found

<http://phys.org/news/2015-07-year-massless-particle-next-generation-electronics.html>

New Chips Provide a Spark for Wireless Charging

<http://www.technologyreview.com/news/539346/new-chips-provide-a-spark-for-wireless-charging/>

A Biodegradable Computer Chip That Performs Surprisingly Well

<http://www.technologyreview.com/news/539206/a-biodegradable-computer-chip-that-performs-surprisingly-well/>

Nanoscale device that can emit light as powerfully as an object 10,000 times its size

<http://phys.org/news/2015-07-nanoscale-device-emit-powerfully-size.html>

Updated Chinese exoskeletons could one day go into combat

<http://www.popsoci.com/updated-chinese-exoskeletons-could-one-day-go-combat?src=SOC&dom=fb>

Physics, Earth and Space Sciences

Japan's New Satellite Captures an Image of Earth Every 10 Minutes

http://www.nytimes.com/interactive/2015/07/10/science/An-Image-of-Earth-Every-Ten-Minutes.html?_r=2

Dead galaxies in Coma Cluster may be packed with dark matter

<http://phys.org/news/2015-07-dead-galaxies-coma-cluster-dark.html>

Study suggests the Red Planet was icy rather than watery billions of years ago

<http://phys.org/news/2015-07-red-planet-icy-watery-billions.html>

Travel back in time to the flood that filled the Mediterranean

<https://www.newscientist.com/article/mg22730300-900-travel-back-in-time-to-the-flood-that-filled-the-mediterranean/>

Travel back in time to the biggest volcanic apocalypse ever

<https://www.newscientist.com/article/mg22730300-700-travel-back-in-time-to-the-biggest-volcanic-apocalypse-ever/>

To Mars and boldly beyond: space missions to look out for

<http://www.theguardian.com/science/2015/jul/17/mars-space-missions-exomars-esa-solar-orbiter>

3-billion-mile trek: How New Horizons data packs reach Earth

<http://www.usatoday.com/story/tech/2015/07/18/3-billion-mile-journey-how-data-new-horizons-reaches-earth/30349801/>

Newly discovered Jupiter twin hints at new solar system similar to Earth's

<http://www.cnn.com/2015/07/16/americas/possible-new-solar-system-new-jupiter/index.html?sr=fb071615solarsystem1130aStoryLink>

'Buckyballs' Solve Century-Old Mystery About Interstellar Space

http://www.npr.org/sections/thetwo-way/2015/07/16/423291426/buckyballs-solve-century-old-mystery-about-interstellar-space?utm_source=facebook.com&utm_medium=social&utm_campaign=npr&utm_term=nprnews&utm_content=20150716

Done with Pluto, New Horizons will drift in endless sea of space

<http://phys.org/news/2015-07-pluto-horizons-drift-endless-sea.html>

Will Pluto Join the Water Worlds? New Horizons' Views Spark Speculation

<http://www.nbcnews.com/science/space/will-pluto-join-water-worlds-new-horizons-views-spark-interest-n393306>

High Heat Measured under Antarctica Could Support Substantial Life

http://www.scientificamerican.com/article/high-heat-measured-under-antarctica-could-support-substantial-life/?utm_source=pulsenews&utm_medium=referral&utm_campaign=Feed%3A+ScientificAmerican-News+%28Content%3A+News%29

A Two-Million-Dollar Race To Track The Changing Oceans

http://www.popsci.com/ocean-xprize-will-soon-announce-its-winning-acidification-sensor?con&dom=pulse&src=syndication&utm_medium=referral&utm_source=pulsenews

Pluto photographs thrill Nasa scientists after nine-year mission

<http://www.theguardian.com/science/2015/jul/14/nasas-new-horizons-probe-makes-pluto-flyby-nine-years-after-leaving-earth>

NASA probe passes Pluto, carrying ashes of man who discovered it

<http://www.cnn.com/2015/07/13/us/nasa-pluto-new-horizons-clyde-tombaugh-ashes/>

'Star Trek: Axanar' Fan Film Kicks Fundraising into Warp Drive

<http://news.yahoo.com/star-trek-axanar-fan-film-kicks-fundraising-warp-171422536.html>

A dark matter bridge in our cosmic neighborhood

<http://phys.org/news/2015-07-dark-bridge-cosmic-neighborhood.html>

Asteroid-mining milestone: Planetary Resources deploys first spacecraft into orbit

<http://www.geekwire.com/2015/asteroid-mining-milestone-planetary-resources-deploys-first-spacecraft-into-orbit/>

Physicists Say They've Discovered a New Particle, the Pentaquark

http://www.nbcnews.com/science/science-news/physicists-say-theyve-discovered-new-particle-pentaquark-n391711?cid=sm_fb

Scientists Show Rising Concern About Deep-Sea Mining

http://www.nbcnews.com/science/environment/scientists-show-rising-concern-about-deep-sea-mining-n391806?cid=sm_fb

Scientists Finally Demystify Plutonium's 'Missing' Magnetism

<http://www.techtimes.com/articles/68375/20150713/scientists-finally-demystify-plutoniums-missing-magnetism.htm>

Environment, Climate Change and Alternative Energy Sources

New seaweed is twice as healthy as kale and tastes like bacon

<http://www.orlandosentinel.com/features/gone-viral/os-seaweed-dulse-tastes-like-bacon-post.html>

Continued destruction of Earth's plant life places humans in jeopardy

<http://phys.org/news/2015-07-destruction-earth-life-humans-jeopardy.html>

Climate Change Mitigation Could Be the Greatest Global Health Opportunity of the 21st Century

<http://blogs.scientificamerican.com/plugged-in/climate-change-mitigation-could-be-the-greatest-global-health-opportunity-of-the-21st-century/>

This airport works only on wind and solar energy

<http://timesofindia.indiatimes.com/home/science/This-airport-works-only-on-wind-and-solar-energy/articleshow/48130021.cms>

The plan for storing nuclear waste just hit a roadblock

<http://www.wired.com/2015/07/plan-storing-us-nuclear-waste-just-hit-roadblock/>

Boeing patents laser-powered fusion-fission jet engine (that's truly impossible)

<http://arstechnica.com/cars/2015/07/boeing-patents-laser-powered-fusion-fission-jet-engine-for-airplanes-spacecraft/>

Eastern Cherokee Band Recognized by EPA for Harnessing Rainwater

<http://indiancountrytodaymedianetwork.com/2015/07/09/eastern-cherokee-band-recognized-epa-harnessing-rainwater-161019>

Can Rewilding Bring Nature Back to Modern Britain?

<http://news.nationalgeographic.com/2015/07/1507115-rewilding-animals-nature-conservation-britain-world/>

70 Years Since the First A-Bomb, Humanity Still Lives in Its Afterglow

http://www.scientificamerican.com/article/70-years-since-the-first-a-bomb-humanity-still-lives-in-its-afterglow/?utm_source=pulsenews&utm_medium=referral&utm_campaign=Feed%3A+ScientificAmerican-News+%28Content%3A+News%29

Biological, Genetics and Medical Sciences

Planetary Medicine Needed to Deal with Global Warming

<http://www.scientificamerican.com/article/planetary-medicine-needed-to-deal-with-global-warming/>

Chinese toddler is first to get a 3D-printed skull

<http://timesofindia.indiatimes.com/home/science/Chinese-toddler-is-first-to-get-a-3D-printed-skull/articleshow/48120612.cms>

The Exoskeletons Are Coming

<http://www.technologyreview.com/news/539251/the-exoskeletons-are-coming/>

Sounds of Silence

<http://www.bu.edu/today/2009/sounds-of-silence-2/>

Scientist develops model for robots with bacteria-controlled brains

<http://phys.org/news/2015-07-scientist-robots-bacteria-controlled-brains.html>

Organs-on-chips' go mainstream

<http://www.nature.com/news/organs-on-chips-go-mainstream-1.17977>

Gene therapy cures blindness by healing eyes and brain together

<https://www.newscientist.com/article/dn27915-gene-therapy-cures-blindness-by-healing-eyes-and-brain-together/>

The Needle-Free Future of Medicine

http://blogs.discovermagazine.com/crux/2015/07/13/needle-free-medicine/?utm_medium=referral&utm_source=pulsenews

Sound Waves Could Speed Up Wound Healing

http://www.popsoci.com/sound-waves-accelerate-healing?con&dom=pulse&src=syndication&utm_medium=referral&utm_source=pulsenews

Handheld Device For Surgeons Could Turn Off Pain

http://www.popsoci.com/handheld-device-could-implant-neuromodulators-ease?con&dom=pulse&src=syndication&utm_medium=referral&utm_source=pulsenews

Growing Micro-Brains From Skin Cells Sheds Light On Autism

http://www.popsoci.com/autism-might-be-result-dampened-brain-signal?con&dom=pulse&src=syndication&utm_medium=referral&utm_source=pulsenews

'Army Of Half-Cloned Mice' Created In China From Artificial Sperm

http://www.popsoci.com/mass-produced-artificial-sperm-will-create-army-half-cloned-mice?con&dom=pulse&src=syndication&utm_medium=referral&utm_source=pulsenews

Other

Where the Rubber Meets the Plastic: Dutch Firm Plans Lego-Like Roads

http://www.nbcnews.com/business/autos/where-rubber-meets-plastic-dutch-firm-plans-lego-roads-n392491?cid=sm_fb

Additional Informational

International Space Station: Benefits for Humanity

http://www.nasa.gov/sites/default/files/atoms/files/jsc_benefits_for_humanity_tagged_6-30-15.pdf

TED Talk, The hidden reasons for poverty the world needs to address them- Video

http://www.ted.com/talks/gary_haugen_the_hidden_reason_for_poverty_the_world_needs_to_address_now?utm_medium=referral&utm_source=pulsenews

TED Talk, Are China and the US doomed to conflict- Video

http://www.ted.com/talks/kevin_rudd_are_china_and_the_us_doomed_to_conflict?utm_medium=referral&utm_source=pulsenews