



Do you know of a colleague and/or student who would be interested in receiving these Bulletin Board listings? Please forward to them. A quick email to Geosciences-BBoard@att.net with the word "subscribe" in the subject line and the email address will be added to the weekly distribution.

Geosciences Bulletin Board – 25 April 2016 - compiled by Elaine J. Hanford

Eldridge Moores has contributed greatly to our understanding of tectonics

- <http://www.earthmagazine.org/article/down-earth-tectonicist-eldridge-moores>

Ocean currents are efficient at moving phytoplankton and pollutants around the world

- <http://phys.org/news/2016-04-ocean-currents-phytoplanktonand-pollutionaround-globe.html>

Coral reef is at the mouth of the Amazon River is large and unique

- <http://www.smithsonianmag.com/science-nature/shining-light-brazils-secret-coral-reef-180958872/>

Plate tectonic movements may have been trigger for ice ages

- <https://www.sciencedaily.com/releases/2016/04/160419104155.htm>

Peat...where is it and what will happen to it as climate changes?

- <http://www.smithsonianmag.com/science-nature/mad-dash-figure-out-fate-peatlands-180958841/>

Chemical weathering controls how susceptible bedrock is to fluvial erosion

- http://www.spacedaily.com/reports/Chemical_weathering_controls_erosion_rates_in_rivers_999.html

Ice cores & historical descriptions reveal societal upheaval in 6th century caused by volcanic eruptions

- http://www.spacedaily.com/reports/Volcanic_eruptions_triggered_societal_crises_during_6th_century_999.html
- <http://phys.org/news/2016-04-volcanoes-trigger-crises-late-antiquity.html>

Understanding the origins of volcanic lightning: two causes

- <http://www.livescience.com/54443-how-volcanic-lightning-works.html>

Want to hike a glacier? 5 locales available

- <http://www.smithsonianmag.com/travel/heres-where-you-can-hike-glacier-theyre-gone-180958844/>

Plant fossils reveal ancient landscape of Australia

- <http://www.earthmagazine.org/article/fossil-leaves-provide-clues-ancient-australian-habitat>

New Calaveras dam project underway to create a more earthquake proof reservoir...the original dam when built in 1925 was the tallest earth-fill dam in the world

- http://www.mercurynews.com/drought/ci_29784969/new-bay-area-dam-project-reaches-major-milestone

Human-induced earthquakes are now subject to more intense research

- <http://phys.org/news/2016-04-earthquakes-closer-scrutiny-ssa-annual.html>

A revised timeline for the demise of the big dinosaurs...what happened before Chicxulub struck?

- http://www.huffingtonpost.com/entry/dinosaurs-dying-off-before-asteroid-struck_us_5716823ce4b0060ccda49829

Eastern front of the Sierra Nevada is long overdue for a major earthquake

- <http://www.sbsun.com/general-news/20160419/eastern-front-of-sierra-nevada-mountains-long-overdue-for-large-earthquake>
- <http://phys.org/news/2016-04-sierra-eastern-front-overdue-large.html>

Sentinel-1B when launched will complete the polar orbiting constellation to monitor Earth through all weather conditions

- http://www.spacedaily.com/reports/Sentinel_1B_will_complete_European_Radar_Vision_initiative_999.html

Understanding why Japan is earthquake prone

- <http://www.csmonitor.com/Science/2016/0417/Why-do-so-many-earthquakes-strike-Japan>

Photo-essay of some of the damage from M7.3 EQ in Japan along the road between Oita and Nagasaki

- <http://www.buzzfeed.com/takumiharimaya/route57-walk?#.hmgRNxZAg>

7.8M EQ hits Ecuador, 2,500 injured, many missing and death toll at 500+ (images)

- <http://www.wesh.com/national-news/ecuador-earthquake-480-now-dead-state-media-says/39107684>
- Videos: <http://www.cnn.com/2016/04/18/americas/earthquakes-five-things-to-know/>
- <http://www.gizmodo.co.uk/2016/04/were-these-two-major-quakes-last-weekend-related/>
- 6.2M Aftershock: <http://news.trust.org/item/20160420125317-1kdeu/>

Subsurface conditions amplified EQ shaking in Japan and Ecuador

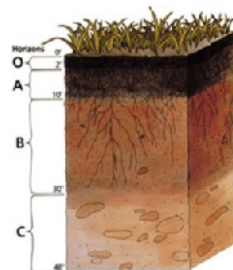
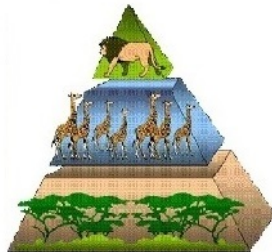
- <http://cenews.com/post/8342/recent-earthquakes-highlight-subsurface-conditions-that-amplify-building-damage>

Geologic process sometimes cause catastrophic impacts on the Earth, but also create beautiful satellite imagery

- <http://www.smithsonianmag.com/science-nature/these-stunning-satellite-images-turn-earth-into-art-180958808/>

Survey started to assess damage from 2015 EQ to the Annapurna Trek

- <http://thehimalayantimes.com/nepal/government-starts-survey-along-annapurna-trek-route/>



EARTH DAY and the National Science Foundation

- <https://medium.com/@NSF/nsf-earth-day-a8549dd58653#.njyvlou1k>
- Pics that celebrate the Earth: <http://www.smithsonianmag.com/smart-news/celebrate-earth-day-rainbow-spectacular-photos-180958876/>

Two factors are most important in determining which chemicals will bio-accumulate to toxic levels

- <http://www.usgs.gov/newsroom/article.asp?ID=4512#.Vxex2PkrKM8>

Zoos are not always sanctuaries for wild animals....some are filthy, overcrowded & known as “death zoos”

- <http://www.smithsonianmag.com/smart-news/how-indonesias-death-zoo-got-its-grisly-reputation-180958865/>

National Park Service embroiled in battle against ginseng poaching in the Great Smoky Mountains

- <http://www.smithsonianmag.com/science-nature/fight-against-ginseng-poaching-great-smoky-mountains-180958858/>

Third sewage spill in Memphis, Tennessee, in three weeks...1M gallons wastewater per day into a tributary of the Mississippi River

- Video: <http://www.commercialappeal.com/news/memphis-public-works-crews-work-to-plug-latest-sewage-leak-30ec8ac8-3e1a-55b7-e053-0100007f59c0-376381191.html>
- <http://www.sandiegouniontribune.com/news/2016/apr/20/3rd-sewage-line-breaks-in-memphis-spills-waste/>

In the future, will our food supply be provided by industrial-scale aquaponics?

- <http://www.treehugger.com/sustainable-agriculture/industrial-scale-aquaponics-coming-age.html>

Cities, along with people, have their own unique microbiome

- <http://www.smithsonianmag.com/smart-news/every-city-has-unique-microbial-fingerprint-180958842/>

Zika virus continues to spread and is now confirmed in Belize, remains untreatable

- <http://www.businessinsider.com/zika-virus-local-transmission-cases-2016-1>

Video captures Arctic wildlife and scenery

- <http://www.treehugger.com/animals/mesmerizing-short-film-follows-photographer-through-arctic-wolves-and-polar-bears-ensue-video.html>

If you want to eradicate invasive rats on an island, you’ve got to get them to eat the poisonous bait

- <http://www.sciencemag.org/news/2016/04/how-these-island-rats-survived-75-metric-tons-poison>
- Paper: <http://rsos.royalsocietypublishing.org/content/3/4/160110>

Millions of visitors each year are stressing the environment of Yellowstone National Park

- <http://www.npr.org/2016/04/18/474658536/is-yellowstone-national-park-in-danger-of-being-loved-to-death>

- Tunnel view: <http://www.treehugger.com/slideshows/readers-photos/photo-yosemites-tunnel-view-demands-admiration/>

This “joey” is a surprise and is believed to be a case of embryonic diapause

- <http://www.canberratimes.com.au/environment/animals/surprise-joey-shocks-taronga-zoo-staff-after-wallaby-secretly-impregnates-herself-20160415-go7gqy.html>

Report suggests bans on plastic bags, an immediate ban on microbeads and container deposit schemes to dramatically reduce plastic in the ocean

- <http://www.canberratimes.com.au/environment/plastic-bag-ban-among-recommendations-by-marine-plastic-senate-inquiry-20160420-gob2lb.html>

Michigan to go beyond Federal standards for lead and copper for drinking water systems

- <http://cenews.com/post/8343/proposed-reforms-for-michigan-go-beyond-federal-lead-and-copper-rule>

3 Officials to face criminal charges over Flint, Michigan, drinking water crisis

- <http://www.npr.org/sections/thetwo-way/2016/04/20/474931189/criminal-charges-to-be-filed-in-flint-water-crisis-reports-say>

Drinking water treatment and sources in the US: saltier water, nitrate, water-borne diseases

- <http://www.npr.org/2016/04/14/473806134/how-do-we-get-our-drinking-water-in-the-us>

150 countries switch to new polio vaccine as part of the Global Polio Eradication Initiative

- <http://www.smithsonianmag.com/smart-news/vaccine-switch-marks-new-stage-battle-polio-180958810/>

China revising policy on renewable energies, including priority to clean energy

- <http://www.renewableenergyworld.com/articles/2016/04/china-s-string-of-new-policies-addressing-renewable-energy-curtailment-an-update.html>

National Park Service plan to Arlington Memorial Bridge, hoping to save money & keep bridge open

- http://www.bizjournals.com/washington/breaking_ground/2016/04/how-the-national-park-service-would-prefer-to-fix.html

A vision for the next 100 years of conservation in America

- <https://www.doi.gov/pressreleases/secretary-jewell-offers-vision-next-100-years-conservation-america>

San Francisco plan to bury a freeway to connect Presidio parklands

- <http://www.theatlantic.com/magazine/archive/2016/05/san-franciscos-plan-to-bury-a-freeway/476418/>

Efforts underway in Oregon and Idaho to combat White Nose Syndrome and protect bats

- <http://boisestatepublicradio.org/post/idaho-heightens-response-efforts-white-nose-syndrome-bats>
- <http://www.mailtribune.com/article/20160418/NEWS/160419696>

Our heirloom species of plants and animals are vanishing

- <http://www.smithsonianmag.com/science-nature/fuzzy-pigs-and-squash-swords-are-just-two-worlds-amazing-heirloom-breeds-180958766/>

Citizen scientists will be working to categorize biodiversity in every corner of Los Angeles, California

- <http://www.smithsonianmag.com/smart-news/scientists-catalog-creatures-every-corner-los-angeles-180958798/>

It will be the peak of the 17-year cycle....and cicadas will be noisy this year

- <http://www.csmonitor.com/Science/2016/0417/17-years-later-billions-of-Brood-V-cicadas-make-a-noisy-emergence>
- <http://www.smithsonianmag.com/smart-news/northeast-prepares-swarms-cicadas-spring-180958806/>

Hepatitis outbreak linked to frozen fruit medley sold at Costco

- <http://fortune.com/2016/04/17/hepatitis-outbreak/>

Increased use of CIDT (non-cultured testing) may pose challenges to tracking foodborne illness

- <http://www.infectioncontroltoday.com/news/2016/04/increased-use-of-type-of-diagnostic-test-poses-challenge-to-tracking-of-foodborne-illness.aspx>

Texans in Congress are silent but Houston wants new seawall and flood gates to protect against hurricanes

- <https://www.texastribune.org/2016/04/17/congress-mostly-silent-hurricane-protection-texas/>

The Everglades – where the environment mixes with economics

- <http://wlrn.org/post/everglades-environment-and-economics>
- Comprehensive Everglades Restoration Plan:
<https://www.nps.gov/ever/learn/nature/ceerp.htm>

14th Century Black Death spread across Europe, killed 60% of population, made way for the Renaissance

- <http://www.vox.com/2016/4/17/11435620/black-death-europe-gif>

Teflon may be slick, but PFOA is now present as a toxic chemical contaminant across the world

- <https://theintercept.com/2016/04/19/teflon-toxin-contamination-has-spread-throughout-the-world/>

Oregon health officials issue permanent statewide warning of high mercury levels in bass

- <http://www.statesmanjournal.com/story/tech/science/environment/2016/04/19/high-levels-mercury-found-oregon-bass/83242856/>