Geosciences Bulletin Board – 2 March 2015
Do you know of a colleague and/or student who would be interested in receiving this Bulletin Board? 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 listing.

Search did not find airplane….but our knowledge of the ocean & tsunamis greatly improved

An explanation of why the Early Triassic swimming reptile tracks were so well-preserved
• http://www.sciencedaily.com/releases/2015/02/150227131008.htm

New evidence confirms Hummeln Lake in southern Sweden is an impact crater

Better understanding of copper & process of volcanism may lead to new exploration methods

Hadley Cell circulation will cause deserts in Australia to expand

Looking for more craters in Siberia and trying to discover their origin
• http://www.huffingtonpost.com/2015/02/23/holes-siberia-investigation-safety_n_6736744.html

Book Review: “Ocean Worlds”
Conflict arises between marine habitat for whales and O&G exploration techniques on East Coast

- [http://www.thestate.com/2015/02/24/4008284_a-whale-of-a-fight-is-brewing.html](http://www.thestate.com/2015/02/24/4008284_a-whale-of-a-fight-is-brewing.html)

Underwater demolition process for old Bay Bridge piers will reduce impacts on marine life (video)


Congress will attempt to over-ride veto of Keystone Pipeline Bill


20,000 year climate history reveals changes from humid to arid conditions in Africa

- [http://www enn.com/ecosystems/article/48280](http://www enn.com/ecosystems/article/48280)

Not a job that has any appeal but many hazards: mining sulfur from an active volcano


Three reasons why understanding the deep ocean is important


Human debris dumped into Yellowstone Geysers changed their behavior & appearance


Modeling the climate of the western US 20,000 years ago during the last Ice Age


Yellowstone Geysers erupt periodically because of the bends & chambers in their plumbing

- [http://www.science daily.com/releases/2015/02/150224143118.htm](http://www.science daily.com/releases/2015/02/150224143118.htm)

Human impacts on the oceans – from pollution to over-fishing


Mineral resource of the month: silver


Interview with mineralogist George W. Robinson

- [http://www.earthmagazine.org/article/down-earth-mineralogist-george-w-robinson](http://www.earthmagazine.org/article/down-earth-mineralogist-george-w-robinson)

Regional sea level change is result of cyclic variations in ocean circulation and weather conditions

- [http://www.science daily.com/releases/2015/02/150224113711.htm](http://www.science daily.com/releases/2015/02/150224113711.htm)
Planetary geology: Infographic on mission to study two dwarf planets – Ceres & Pluto

Planetary geology: 5 years of monitoring the Sun (videos)
   • http://www.nasa.gov/content/goddard/videos-highlight-sdos-fifth-anniversary/#.VO40rfnF_Cv

Index of geologic maps of Arizona that were published 1925–2015 & are available online
   • Map repository: http://repository.azgs.az.gov/

The modern demand for metals is increasing dramatically but some still hold out hope that it can be done sustainably
   • http://www.nature.com/ngeo/journal/v8/n3/full/ngeo2390.html

********************

Enviro-Sciences Bulletin Board – 2 March 2015 – compiled by Elaine J. Hanford

“Manufactured” babies raise many ethical and moral questions in a world that is overpopulated
   • https://www.yahoo.com/parenting/manufactured-babies-of-same-sex-parents-may-soon-112148681192.html

200 years of human created pollution leads to increasing algal growth that degrades water supplies
   • http://www.sciencedaily.com/releases/2015/02/150226122355.htm

Link between accumulated POPs & obesity…but cause-effect still to be examined
   • http://www.sciencedaily.com/releases/2015/02/150227084315.htm
Parasite that causes rat lung disease is colonizing snails in Florida…harmful to pets & humans
  •  http://news.ufl.edu/archive/2015/02/uf-researchers-rare-parasite-colonizing-snails-in-south-florida.html

Phosphorus blown in on the wind from the Saharan Desert fertilizes the Amazon Rain forest
  •  http://www.sciencedaily.com/releases/2015/02/150224102847.htm

Reductions in biodiversity likely result in increased risk of disease
  •  http://www.sciencecodex.com/usf_biologists_reductions_in_biodiversity_can_elevate_disease_risk-151410

Update on Turkish “wild scheme” to build canal connecting Black Sea & Sea of Marmara through Istanbul

Still attempting to “control nature” in Nashville, TN, with plan for $100M downtown flood project

Long-term exposure to nitrogen fertilizers can disrupt plant-microbe mutualisms
  •  http://www.sciencecodex.com/longterm_nitrogen_fertilizer_use_disrupts_plantmicrobe_mutualisms-151392

Invasion of fire ants has a long history as they crossed the ocean on ships as early as the 1500s
  •  http://www.sciencedaily.com/releases/2015/02/150218122959.htm

Book Review: “This Idea Must Die” reflects on the scientific process
  •  https://www.sciencenews.org/article/idea-must-die-singles-out-scientific-theories-ready-retirement

California ban on plastic shopping bags put on hold….to go to public ballot in 2016

The symbiotic relationship between fungi and plants
  •  https://www.sciencenews.org/article/gene-study-digs-partnership-between-fungi-and-plants

In fight against drug-resistant TB, a new drug enters human clinical trials
  •  http://cen.acs.org/articles/93/i8/New-TB-Drug-Enters-Trials.html

General Mills announces it will no longer put BHT in the cereals it makes
  •  http://cen.acs.org/articles/93/i8/General-Mills-Remove-Antioxidant-BHT.html

Rarest of the big cats, Amur leopard, show in increase in numbers since 2007
Agricultural pesticides pose risks to surface water bodies around the world (map)

Geographically isolated wetlands provide clean water and significant environmental benefits

Himalayan ice core study shows phasing out of POPs (persistent organic pollutants) is working

Stage is set for confrontation & battle between environmental conditions & drilling on East Coast
  •  http://www.thestate.com/2015/02/24/4008284-a-whale-of-a-fight-is-brewing.html

There are lessons to be learned from subsidizing conditions that foster natural disasters
  •  http://www.theguardian.com/commentisfree/2015/feb/25/green-natural-disasters-britain-farming-damage

Information on the environment can be good or bad…it all depends on how it is used
  •  http://www.thetobagonews.com/opinion/informative/item/3160-can-information-harm-or-hurt-the-environment

Fish native to the Far East found alive and well in lake in Oregon

Surge in number of MERS cases in Saudi Arabia …much still not understood about the disease

AVM killing Bald Eagles…possibly caused by toxic cyanobacteria on invasive hydrilla plant species
  •  https://news.uga.edu/releases/article/identify-name-toxic-cyanobacteria-killing-american-bald-eagles-0215/

Small herd of buffalo to be released onto the Soapstone Prairie Natural Area in Colorado
  •  SONA:  http://www.fcgov.com/naturalareas/finder/soapstone

Identifying foods that carry the 4 most common pathogens that cause food-borne illness

Duke Energy pleaded guilty in Coal Ash spill that polluted waters in North Carolina

Maybe it was not the rats that carried the fleas that caused the Black Plague (graphic)
  •  Successive events:  http://sciencenordic.com/black-death-came-europe-different-times

Reverse Osmosis-Pressure Retarded Osmosis (RO-PRO) may be more effective for desalination

Award-winning archeological project helps with historic preservation

City of Ahmedabad in western India bans group gatherings to try to curb swine flu outbreak
•  [http://www.terradaily.com/reports/Indian_city_bans_gatherings_over_swine_flu_outbreak_999.html](http://www.terradaily.com/reports/Indian_city_bans_gatherings_over_swine_flu_outbreak_999.html)

Study to be conducted on Napa homes will help with understanding EQ impacts

USDA approves GM apples…they resist turning brown…could hit test markets by 2016

Plan to turn brownfields into eco-friendly developments along waterfront in Toronto, Canada