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Geosciences Bulletin Board – 12 January 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.

“GeoLink” and “Semantic Scholar” may facilitate geoscientists doing literature searches

- <http://news.sciencemag.org/math/2014/12/geoscientists-aim-magnify-specialized-web-searching>

Cyclic boom and bust cycles should not be a surprise in the oil patch...that is its history

- <http://news.yahoo.com/north-dakota-county-feels-bakken-boom-ebb-away-141420218--finance.html>

Read the top ten stories of 2014 on *Elsevier Connect*...including number 3 on EQ prediction model

- <http://www.elsevier.com/connect/top-10-stories-of-2014>

Technology requires many metals....but earth has a limited supply

- <http://www.nature.com/news/resources-track-flows-to-manage-technology-metal-supply-1.14424>

What we do? And don't know about the “Great Dying” (i.e., the Permian extinction)

- <http://finance.yahoo.com/news/caused-biggest-extinction-earths-history-142900987.html>

For a healthier world, save the ocean by saving coral reefs and curbing pollution, invasive species & overfishing

- http://www.huffingtonpost.com/dr-ellen-prager/to-fight-disease-protect-b_6432038.html

Strong currents and turbid conditions (due to silt) thwart recovery of tail section of AirAsia plane (video)

- <http://news.yahoo.com/divers-search-black-boxes-crashed-airasia-plane-055950722.html>

Mega-projects tend to run into mega-cost overruns due to geotechnical and socio-political problems (video)

- <http://www.csmonitor.com/USA/Politics/2015/0107/California-high-speed-rail-why-big-vision-projects-struggle-today-video>

Should we be leaving fossil fuel reserves in the ground?

- <http://phys.org/news/2015-01-fossil-fuel-reserves-ground-dangerous.html>

There were fewer great EQs, but some regions experienced new seismic activity in 2014

- http://www.usgs.gov/newsroom/article.asp?ID=4094#.VK1_rCvF_Cs

USGS continues to record cluster of EQs in Irving, Texas

- http://hosted.ap.org/dynamic/stories/U/US_NORTH_TEXAS_EARTHQUAKE_S
- Fracking: <http://www.ibtimes.com/series-north-texas-earthquakes-trigger-speculation-over-role-fracking-1775782?>

Ruling out cosmic impact during the Younger Dryas as the cause of extinction of the mammoths

- <http://www.sciencedaily.com/releases/2015/01/150106130518.htm>

The wreck of the Kulluk deep sea drilling platform in the Arctic (video)

- <http://www.nytimes.com/2015/01/04/magazine/the-wreck-of-the-kulluk.html>

Why is Greenland mostly covered in glacial ice? It involves plate tectonics and polar wandering

- <http://www.sciencedaily.com/releases/2015/01/150105112506.htm>

These whales have evolved to live more than 200 years

- <http://news.sciencemag.org/biology/2015/01/how-some-whales-live-more-200-years>

Can we predict volcanic eruptions? (video)

- <http://www.nytimes.com/2015/01/06/science/predicting-what-a-volcano-may-or-may-not-do-is-as-tricky-as-it-is-crucial-as-iceland-well-knows.html>

Using drones to investigate and study the underside of the Antarctic sea ice...algae & sediments

- <http://www.sciencedaily.com/releases/2015/01/150105101431.htm>

Making a link between punk rock and snails on the deep sea floor

- <http://www.smithsonianmag.com/science-nature/new-deep-sea-snails-are-natures-own-punk-rockers-180953814/>

Fossil helps reveal how flying fish evolved

- <http://www.livescience.com/49353-flying-fish-evolution.html>

Get 'em while they are young! Education makes children more aware and concerned about trash in the ocean

- <http://www.sciencedaily.com/releases/2015/01/150106102708.htm>

Decade of stress built up prior to the 2011 Japan EQ and tsunami

- http://www.spacedaily.com/reports/Years-long_silent_quake_unleashed_Fukushima_tsunami_999.html

Obama will again veto any legislation that Congress passes on the Keystone pipeline

- <http://www.resilience.org/stories/2015-01-07/white-house-confirms-obama-will-veto-transcanada-s-keystone-xl-pipeline>
- <http://news.yahoo.com/keystone-xl-pipeline-decision-back-obamas-lap-082449930--politics.html>

Planetary Geology: Earth has “ozone hole” and now a coronal hole has been imaged on our Sun

- http://www.huffingtonpost.com/2015/01/05/sun-hole-nasa-earth_n_6416968.html

Coral reefs must adapt to acidification and erosion

- http://www.sciencecodex.com/coral_reefs_threatened_by_a_deadly_combination_of_changing_ocean_conditions-148427

Heavy rains trigger flooding & landslides & mudslides & avalanche threats in western Washington (videos & images)

- <http://www.king5.com/story/news/local/2015/01/05/rain-flooding-landslides-monday/21280539/>
- <http://www.kirotv.com/news/news/severe-weather-alert-heavy-wind-and-rain-causing-p/njgMW/>

It is winter...and that means avalanches which can be deadly

- <http://www.foxnews.com/world/2015/01/05/2-us-ski-team-prospects-die-in-avalanche-in-austria/>

Type D orcas which are rarely sighted, are caught on film and video in the Indian Ocean (video)

- <http://www.grindtv.com/outdoor/nature/post/sea-shepherd-documents-rare-type-d-orcas/>

Enviro-Sciences Bulletin Board – 12 January 2015 – compiled by Elaine J. Hanford
Compilation of selected current news articles pertinent to the discipline:

This will happen to your body in 2015 (infographic)

- <http://theweek.com/article/index/274470/this-is-what-will-happen-to-your-body-in-2015>

2015 likely will be another year of politics colliding with the environment

- <http://www.politico.com/story/2015/01/expect-nonstop-energy-drama-in-2015-113783.html>

There is a flu epidemic with fatalities every year....what's happening this time?

- CDC annual estimates: http://www.cdc.gov/flu/about/disease/us_flu-related_deaths.htm
- Pandemics: <http://pediatrics.about.com/od/kidsandtheflu/a/deaths-from-flu.htm>
- <http://www.latimes.com/science/sciencenow/la-sci-sn-flu-widespread-in-america-20150105-story.html>
- History: <http://www.smithsonianmag.com/smart-news/flu-has-been-making-people-sick-least-500-years-180953837/>

Research center in “cattle feeding country” testing minerals & prebiotics instead of antibiotics

- http://www.demingheadlight.com/deming-opinion/ci_27276636/nms-research-targets-healthy-feedlot-cattle

A new explanation for the demise of Easter Island (Rapa Nui)

- <http://news.yahoo.com/easter-islands-demise-may-surprising-explanation-141208659.html>

Two perspectives on the new high tech method from Bill Gates on how to deal with pee and poop

- <http://www.gatesnotes.com/Development/Omniprocessor-From-Poop-to-Potable>
- <http://www.treehugger.com/bathroom-design/crapping-bill-gates-reinvent-toilet-winner.html>

Outbreaks of avian flu (H5N2 & H5N8) in Oregon & Washington have lead 30 countries to restrict imports of poultry from those states....avian flu also being monitored in 10 countries

- <http://www.politico.com/story/2015/01/avian-flu-united-states-poultry-114046.html>

Don't return the Mississippi River back to natural state....turn it into a cyborg system??!!

- <http://nautil.us/blog/humans--nature-can-co-exist-in-cyborg-ecosystems>

Major milestone reached toward development of vaccine to prevent Dengue fever

- <http://www.nejm.org/doi/full/10.1056/NEJMe1413146?query=TOC&>

Read the top ten stories of 2014 on *Elsevier Connect*...including number 1 on Medical Lab Science

- <http://www.elsevier.com/connect/top-10-stories-of-2014>

Humans desiring “trophies” significantly impact wildlife, including African buffalo

- <http://www.bloomberg.com/news/2015-01-07/buffalo-bull-market-lures-billionaires-with-horns-worth-millions.html>

Wind power project in major trouble in the Northeast

- <http://www.bostonglobe.com/metro/2015/01/06/major-setback-for-cape-wind-project/kggnYeAXRj03PyfIUn2iIM/story.html>

OR-7 is now officially designated as leader of his own pack of wolves

- <http://news.yahoo.com/oregons-wandering-wolf-7-gets-official-pack-status-003505545.html>

Now that “Lonesome George” the Galapagos tortoise had died...how was he preserved? (video)

- <http://www.treehugger.com/natural-sciences/how-do-you-stuff-worlds-most-famous-tortoise.html>

Recycling will not be enough to meet the demand of technology for metals

- <http://www.nature.com/news/resources-track-flows-to-manage-technology-metal-supply-1.14424>

Do you really want to swim in that public swimming pool? Waters polluted by chemicals from personal care products and pharmaceuticals and urine

- http://www.sciencecodex.com/pharmaceuticals_personal_care_products_could_taint_swimming_pools-148328

If you’ve ever lived in the desert, you know it’s not the heat....but the humidity that’s dangerous

- <http://www.earthtimes.org/climate/heat-kills-humid/2791/>

Should fossil fuels be left in the ground?

- <http://www.bbc.com/news/science-environment-30709211>

5.5 million people displaced by conflict in the first half of 2014, many become refugees

- http://www.un.org/apps/news/story.asp?NewsID=49742#.VK1-3CvF_Cs

Alcohol poisoning kills people every day

- <http://www.vox.com/2015/1/6/7503397/excessive-alcohol-use-costs>

Will all these new drugs really help make people healthier....or will they have collateral consequences?

- <http://cen.acs.org/articles/93/web/2015/01/New-Drug-Approvals-Soar-2014.html>
- <http://finance.yahoo.com/news/drugs-doctors-paid-most-promote-222700539.html>

Trying to discover the next great antibiotic

- <http://www.bbc.com/news/health-30657486>

Creating a “better tire”....but is it less environmentally damaging?

- <http://ens-newswire.com/2015/01/05/from-finland-green-winter-tires-for-electric-cars/>

Single hull oil tankers are now barred from US waters

- <http://ens-newswire.com/2015/01/02/single-hull-oil-tankers-barred-from-u-s-waters/>

Los Angeles imports 85% of the water it uses....maybe it is time to work with Nature

- <http://www.resilience.org/stories/2015-01-06/la-imports-nearly-85-percent-of-its-water-can-it-change-that-by-gathering-rain>

Environmentalists oppose tar sand developments in Canada

- <http://www.resilience.org/stories/2015-01-07/2015-the-year-we-turn-away-from-tar-sands>

Perspective: Economic development and capitalism versus the climate and environment

- <http://www.resilience.org/stories/2015-01-07/the-day-when-change-will-come>

Living in a coal town is hazardous to your health & reduces life expectancy (movie)

- <http://www.onearth.org/earthwire/coal-town-health-problems>

Man-made flood protections are main culprit in sea-level rise in Bangladesh

- <http://www.scientificamerican.com/article/embankments-exacerbate-sea-level-rise-in-bangladesh/>

The Precautionary Principle should be applied to “geoengineering” to alter the climate

- <http://www.technology.org/2015/01/06/climate-hacking-easy-doesnt-mean/>

The wave of the future: Personal Environmental Sensors to monitor pollution in your environment

- <http://www.nature.com/news/environmental-science-pollution-patrol-1.16654>

Linking systems on micro and macro levels leads to better resiliency

- <http://www.newsecuritybeat.org/2015/01/living-extremes-livelihood-systems-key-effective-empowering-resilience-measures/>

Rapid evolution led to toxic venom in Black Widow spiders

- <http://www.sciencedaily.com/releases/2015/01/150106081622.htm>

These frogs don't lay eggs....they give birth to live tadpoles!!

- <http://www.nytimes.com/2015/01/06/science/frogs-that-give-birth-to-live-tadpoles.html>

Get 'em while they are young! Education makes children more aware and concerned about trash in the ocean

- <http://www.sciencedaily.com/releases/2015/01/150106102708.htm>

New study links smoking with chronic wounds and roughly 4,000 toxic chemicals in cigarette smoke

- <http://www.sciencedaily.com/releases/2015/01/150107081236.htm>

What soils at abandoned sites can tell us about the Dark Ages

- <http://www.technology.org/2015/01/06/new-discoveries-dark-age-farming-found-dirt/>

Albino dolphin spotted off the coast of Florida (video)

- <http://www.smithsonianmag.com/smart-news/albino-dolphin-was-spotted-coast-florida-180953821/>

Why is there an apparent increase of colds in cold weather? Is there really an association?

- <http://www.technology.org/2015/01/07/new-study-confirms-connection-cold-weather-common-cold/>

Algal bloom and severe drought caused massive “dead zone” in Lake Erie

- http://www.spacedaily.com/reports/Drought_led_to_massive_dead_zone_in_Lake_Erie_999.html

Peat fires cause significant environmental impacts and threaten human health

- http://www.terraily.com/reports/Peat_fires_a_legacy_of_carbon_up_in_smoke_999.html

Better strategies for planning dams to mitigate environmental impacts

- <http://phys.org/news/2015-01-strategies.html>

Thousands of hectares burned in bush fires in Australia

- http://www.terraily.com/reports/Bushfires_follow_Australias_third-hottest_year_999.html

Revising thoughts on the evolution of snakes

- http://www.terraily.com/reports/Study_puts_new_perspective_on_snake_evolution_999.html

Bao Bao enjoys first time ever romp in the snow!! (video)

- <http://www.treehugger.com/natural-sciences/giant-panda-cub-bao-baos-first-day-snow.html>

Perspective: Misdiagnosing (due to failure to lab test) can increase microbial drug resistance

- <https://www.linkedin.com/pulse/do-i-really-have-flu-ask-your-physician-laboratory-test-rohde?trk=prof-post>

Invasive species?? Michigan has an APP for that....residents report sightings

- <http://www.lansingstatejournal.com/story/news/local/campus/2015/01/06/want-fight-wild-pigs-app/21330539/>

Lemurs among most endangered mammals are threatened by pet trade in Madagascar

- <http://www.treehugger.com/endangered-species/lemurs-are-adorable-they-shouldnt-be-pets.html>

Japan is reluctant to give up on “research whaling” and will sail without harpoons, for now

- <http://news.yahoo.com/harpoonless-japanese-whalers-heading-antarctic-govt-082535818.html>

In response to prolonged drought Cambria, California, plans desalination plant

- http://seattletimes.com/html/nationworld/2025388644_apxcaliforniadroughtdesalination.html

New understanding of how White Nose Syndrome kills bats

- <http://news.discovery.com/animals/new-details-emerge-on-mystery-bat-killer-disease-150105.htm>

Drought resulting in higher feed prices & cattle losses lead to USDA lifting ban on beef imports from Ireland 15 years after Mad Cow Disease

- <http://www.chicagotribune.com/news/sns-wp-blm-news-bc-beef-ireland05-20150105-story.html>

Undercover investigation of the poultry industry....how those chickens get to the supermarket

- http://www.mankatofreepress.com/news/local_news/chicken-factory-accused-of-animal-cruelty/article_002e7db2-951c-11e4-a439-4f09f5eeb014.html
- Graphic video: <https://www.youtube.com/watch?v=eM-JsyyfSmE#t=25>

Within 2 years, almost 20 million pounds of antimicrobials will be put under medical oversight

- <http://www.thepigsite.com/swinenews/38579/new-rules-on-vet-oversight-to-cover-more-than-half-antimicrobials-sold>

Nuclear power plant has been leaking oil into Lake Michigan for two months

- <http://www.freep.com/story/news/local/michigan/2015/01/03/nuclear-power-oil-spill-lake-michigan/21215045/>

Sea Shepherd Conservation Society photographs & films rare Type D orcas in Indian Ocean (video)

- <http://www.grindtv.com/outdoor/nature/post/sea-shepherd-documents-rare-type-d-orcas/>

Humane Society International rescues dogs bred in South Korea for eating to be adopted in Virginia

- <http://news.yahoo.com/dogs-bred-meat-korea-start-life-us-063946169.html>