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Geosciences Bulletin Board – 28 September 2015 - compiled by Elaine J. Hanford

12 interesting facts about the Autumnal Equinox since we are now into the next season

- <http://www.treehugger.com/natural-sciences/11-facts-about-autumnal-equinox.html>

Movie review: “The Wave” a disaster movie about a geologist and his family

- <http://screencrush.com/the-wave-review-fantastic-fest/>

Earth science offers keys to potentially meeting UN Sustainability Goals

- http://www.spacedaily.com/reports/Earth_science_offers_key_to_many_United_Nations_Sustainable_Development_Goals_999.html

Restrictions on fracking injections coincide with reduction in intense earthquakes in Kansas

- <http://www.insurancejournal.com/news/midwest/2015/09/25/382816.htm>

“Icefall doctors” are carving a new route to the top of Mount Everest

- <http://www.theguardian.com/world/2015/sep/24/nepal-icefall-doctors-everest-ascent-routes-sherpa-mountain>

Landslides into Öskjuvatn Lake in Iceland cause tsunami waves

- <http://icelandmag.visir.is/article/a-new-landslide-askja-region-nature-still-work>

No surprise here....climate change models are too simplistic

- <http://www.radionz.co.nz/international/pacific-news/285179/climate-change-models-too-simplistic-report>

New insight into the composition of the core of Earth – more oxygen, less silicon

- http://www.eurekalert.org/pub_releases/2015-09/dlnl-anv092215.php

New mathematical model approach to assessing strontium isotope ratios that can be used to assess living organisms and fossil materials

- http://www.eurekalert.org/pub_releases/2015-09/uoc-ns092315.php

Massive meteor shower pummeled Earth and changed chemistry of the crust

- <http://www.dailymail.co.uk/sciencetech/article-3246600/Massive-meteorite-shower-pummeled-Earth-100-MILLION-years-changed-planet-s-chemistry-forever-claims-study.html>

Will a strong El Nino relieve drought conditions across the US?

- <http://www.dailymail.co.uk/sciencetech/article-3246945/Parched-America-Satellite-images-reveal-just-dry-ground-California-Oregon-Washington.html>

Down to Earth with a glaciologist

- <http://www.earthmagazine.org/article/down-earth-glaciologist-erin-pettit>

Bunostegos akokaensis – a pre-reptile – may have been first to walk upright on all four feet

- <https://news.brown.edu/articles/2015/09/posture>

Fremantle, Australia, has the highest rate of meteorological tsunamis in the world

- http://news.xinhuanet.com/english/2015-09/23/c_134651545.htm
- Paper:
<http://rsta.royalsocietypublishing.org/content/roypta/373/2053/20140377.full.pdf>

Bárðarbunga volcano in Iceland emits large amounts of sulfur dioxide on a daily basis

- http://www.leeds.ac.uk/news/article/3759/icelandic_volcanos_toxic_gas_is_treble_hat_of_europes_industry

William “Strata” Smith’s first geological map of England and Wales to go on display in Cardiff

- <http://www.walesonline.co.uk/news/wales-news/rare-edition-first-geological-map-10124569>

Top 10 US cities at greatest risk of natural disasters

- <http://www.dailymail.co.uk/news/article-3247407/From-hurricanes-flooding-wildfires-earthquakes-10-cities-risk-natural-disasters-one-South.html>

When will this “hillock of swelling” explode and become a massive sinkhole in Siberia?

- <http://www.rt.com/news/316261-siberia-crater-new-abnormal/>

Seismic shaking, unstable soils and ancient landslide cause concern for Washington Park reservoir in Portland, Oregon

- http://www.oregonlive.com/portland/index.ssf/2015/09/portlands_washington_park_rese.html

Predicting beach erosion in the future if climate change occurs in NSW

- <http://www.coffscoastadvocate.com.au/news/weather-patterns-could-lead-to-more-beach-erosion/2782999/>

Pollen spores in cores from Lake Elsinore suggest series of mega-droughts in California between 27,500 and 25,500 years ago

- <http://phys.org/news/2015-09-ancient-pollen-mega-droughts-california-thousands.html>

Earliest fossil specimens of coelacanth in Africa is found in Devonian age fossil nursery

- <http://www.sciencedaily.com/releases/2015/09/150921090201.htm>

Early human inhabitants and giant apex predator lizards co-existed in Australia

- <http://phys.org/news/2015-09-giant-killer-lizard-fossil-early.html>
- <http://www.dailymail.co.uk/sciencetech/article-3247338/Giant-killer-lizards-roamed-Australia-Ice-Age-Fossil-evidence-predators-lived-alongside-Aborigines.html>

Imja Lake, with glacial meltwater behind a natural dam, poses potential downstream hazard if avalanche or rockslide explodes the lake and the dam fails

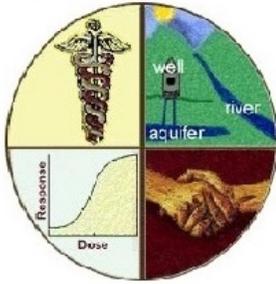
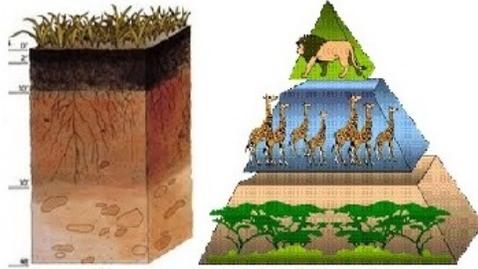
- <https://asunews.asu.edu/20150901-lake-sherpa>

Ugrunaaluk kuukpikensis, 30-foot-long herbivorous duck-billed dinosaur found in Alaska

- <http://www.latimes.com/science/sciencenow/la-sci-sn-a-cold-weather-dinosaur-20150921-story.html>

Nine years and counting: controversy over Lusi mud volcano flow in Indonesia

- <http://www.nytimes.com/2015/09/22/science/9-years-of-muck-mud-and-debate-in-java.html>



Enviro-Sciences Bulletin Board – 28 September 2015 – compiled by Elaine J. Hanford

Just like Pig-Pen, Charlie Brown's friend, everyone has a cloud of microbes

- <http://www.npr.org/sections/health-shots/2015/09/22/441841735/wherever-you-go-your-personal-cloud-of-microbes-follows>
- Paper: <https://peerj.com/articles/1258/>

Unlike Pig-Pen, pigs have a distinct cadaver smell from humans because of the chemicals in the decaying body

- <http://www.smithsonianmag.com/smart-news/humans-have-unique-smell-death-180956732/>

Americans are sending twice as much trash to landfills than estimated by the federal government

- <http://phys.org/news/2015-09-trash-landfills-thought.html>

Artistic views of what humans have wrought upon the planet

- <http://www.smithsonianmag.com/smithsonian-institution/stunning-contemporary-art-captures-terror-wonder-wit-anthropocene-180956742/>

The truth behind the “5-second rule” for eating food you've dropped on the floor

- <http://www.dailymail.co.uk/sciencetech/article-3239784/The-truth-five-second-rule-Scientist-reveals-odds-getting-sick-eating-food-dropped-floor.html>

New survey seeks to discover how all beef cattle producers use antibiotics

- <http://beefmagazine.com/blog/how-do-you-use-antibiotics-new-survey-wants-know>
- Survey: https://kstate.qualtrics.com/jfe/form/SV_e5RY1NGhht1GGIB

Ohiopyle Park to revamp how it handles biological waste & storm water and will install geothermal HVAC system

- <http://www.parksandrecreation.org/2015/September/Innovative-Water-Management-at-Ohiopyle-State-Park-Visitor-s-Center/>

Southern Californians thinking about developing world's largest municipal water recycling program

- <http://www.latimes.com/local/lanow/la-me-ln-mwd-recycled-water-20150922-story.html>

Evidence of heavy metal pollution (copper, lead, nickel and zinc) caused by human activity date to the early Stone Age

- <http://www.dailymail.co.uk/sciencetech/article-3244837/Man-polluting-Earth-Middle-Paleolithic-Heavy-metal-contamination-caused-Neanderthal-fires-dates-40-000-years.html>

Interactive real-time air quality map for cities across the world

- <http://www.dailymail.co.uk/sciencetech/article-3239920/How-polluted-city-Map-shows-minute-harmful-smog-levels-world-reveal-health-risk.html>

El Niño and La Niña will exacerbate coastal hazards across the entire Pacific Ocean

- <http://www.usgs.gov/newsroom/article.asp?ID=4336#.VgLU7N9Viko>

Old Faithful remains faithful and draw millions of tourists to Yellowstone National Park

- <http://www.star-telegram.com/living/travel/article36271221.html>

Will the US get or take water from Canada?

- <http://www.treehugger.com/clean-water/will-canada-export-its-fresh-water-or-will-us-just-take-it.html>

Changes in dairy industry in recent decades mean improved production & concern for animal welfare

- http://www.eurekalert.org/pub_releases/2015-09/ehs-cid092215.php

Evidence of gene flow from parasitic wasps to butterflies and moths

- <http://www.the-scientist.com/?articles.view/articleNo/44016/title/Parasite-s-Genes-Persist-in-Host-Genomes/>

“Open Tree of Life” shows relationships among 2.3 million species on Earth over 3.5B years

- http://www.huffingtonpost.com/entry/open-tree-of-life-shows-how-millions-earthlings-related_560087b9e4b08820d919e398

Sage grouse protection deemed “not warranted” by US Dept of Interior....lawsuits to follow

- <http://www.thewildlifeneews.com/2015/09/22/the-greater-sage-grouse-denied-esa-protection/>

Oriental fruit fly invaded and shut down large segment of fruit industry in Florida

- <http://www.npr.org/sections/thesalt/2015/09/22/442329655/this-pest-has-shut-down-south-floridas-700-million-fruit-industry>

Greenpeace report says 100% renewable energy is possible by 2050...are they correct?

- <http://www.canberratimes.com.au/environment/greenpeace-on-renewables-phase-out-coal-oil-gas-and-nuclear-energy-by-2050-20150920-gjqof4.html>
- Report: <http://www.greenpeace.org/international/en/publications/Campaign-reports/Climate-Reports/Energy-Revolution-2015/>

Rusty-patched bumblebee may gain protection under the Endangered Species Act

- <http://news.yahoo.com/u-considers-declaring-bee-endangered-first-time-181619713.html>

Heartland disease, likely transmitted to humans by Lone Star tick, recognized in 13 states

- <http://wvasfm.org/post/deadly-heartland-virus-much-more-common-scientists-thought>

First, humans helped foster antibiotic resistance, now we are fostering anti-parasitic resistance to drugs used to treat livestock...and a call for yet more drugs

- <http://www.fda.gov/AnimalVeterinary/SafetyHealth/ucm462969.htm>

Hudson River dredging for Tappan Zee construction completed before the beginning of fish migration & spawning season

- <http://www.lohud.com/story/news/local/tappan-zee-bridge/2015/09/21/tappan-zee-dredging-now-complete/72558512/>

This snake has now reproduced asexually for the second time in two years

- <http://qz.com/506100/virgin-snake-gives-birth-for-the-second-time-in-two-years/>

Long tradition of humans feeding & befriending deer has made them fearless, now the town wonders how to deal with droves of deer

- <http://news.yahoo.com/oregon-town-seeks-solutions-droves-fearless-deer-231410933.html>

A better approach to wildfires: let them burn when prudent

- http://www.terradaily.com/reports/Let_wildfires_burn_when_prudent_999.html

The first continent-wide, multi-factor analysis of watersheds

- http://www.spacedaily.com/reports/A_new_analysis_and_approach_to_watershed_management_999.html

Methane from landfills was grossly underestimated – are really the 3rd largest source

- http://www.spacedaily.com/reports/US_landfill_waste_methane_undercounted_climate_study_999.html

New pipeline safety rule, prompted by recent spills, to be proposed this month

- <http://bigstory.ap.org/article/7655d79f750043dd99d324048082cf22/us-senate-committee-probes-pipeline-safety-after-oil-spills>

A devastating EQ can be a good thing for the long-term economy

- <http://www.stuff.co.nz/business/71699253/boom-picked-for-central-christchurch-in-2016>

Concerns increase over re-emergence of bacterial pneumonia in bighorn sheep

- http://www.tbo.com/health/bacterial-pneumonia-resurfaces-in-north-dakota-bighorn-sheep-ap_health8844e62910e14e35804540dd110d0d76

Critically endangered Sumatran elephant is killed (possible poisoning) in Bukit Barisan Selatan national park just for its tusks

- <http://news.yahoo.com/killing-endangered-sumatran-elephant-sparks-anger-151006000.html>

More money likely to flow to Louisiana coastline for restoration of 2005 hurricane damage

- <https://www.businessreport.com/business/contracting-louisiana-coastal-restoration>
- <http://media.iccsafe.org/news/icc-eneews/2015v12n31/jump-katrina.html>

Taking in thousands of Mideast refugees may be risky and is definitely costly business

- <http://news.yahoo.com/plan-admit-more-refugees-faces-stiff-opposition-u-163227537.html>

Bacteria, worms and beetles in the soil play critical role in climate, plant life & ecosystem health

- <http://sciencenordic.com/underground-animal-world-crucial-life-above-ground>