

June 2019

FoS MEMBERSHIP QUARTERLY NEWSLETTER No. 62

“FoS is dedicated to providing the public with insight into Climate Science”

PRESIDENT’S MESSAGE

Welcome everyone to a Climate Emergency!!! It must be so because our government says so. On June 17th our House of Commons passed a motion declaring a national climate emergency, and supporting Canada’s commitment to meet the Paris Agreement emissions targets. Very clearly we have lost sight of what is scientifically reasonable and have fallen prey to alarmists.

Sadly, we at FoSS find ourselves in a real emergency. As President of this organization I have the difficult task of telling you that our Operational Funds are nearly exhausted. We find ourselves with a lack of sufficient funding to operate past November 2019. FoSS relies exclusively on membership fees and private donations from people like you. Contrary to popular belief, we are not lobbyists funded by Big Oil or any particular industry.

We continue to deliver quality material on a very limited budget by making every dollar count. Our Twitter and YouTube followings have increased significantly recently and we have a huge readership of our blog. Our May “Polar Bears and Solar Flares” speakers evening was a resounding success with a sell-out crowd. I am excited to announce our recently renovated climatechange101.ca site, where you will find the same easy to read information with a much improved French version, and Twitter feeds in both languages. Much more detail of our latest reports and videos is at the end of this newsletter. Our long time commitment to maintaining free delivery of our information to the public continues to be a priority. However, this is not getting any easier as we are understaffed and continuously battling deep-pocketed, often foreign-funded activist groups that promote faulty public policy.

My business plan for this coming quarter is very simple: I want to see our war chest have an additional \$150,000 at the end of September, which will give us the financial strength to continue our fight through the next year. Since you are a member and you are reading this, I will make the leap that you believe in what we do and like how we do it. My call to action for you is to please [pledge](#) an amount then **circulate this newsletter to twenty of your friends** requesting they match your donation and sign up for a membership.

It is critical that we grow FoSS’s ability to get our message out. I am fully aware that times are hard everywhere. Donor fatigue is especially evident this year but we need your help to keep going. I truly hope you can help us reach our \$150,000 goal.

On the lighter side:

Now returning to the “climate emergency”, we need to address the rampant climate alarmism around us. The climate is changing, but not as the alarmists portray. Their repetitive yarn is the same noise over and over again despite contradictory evidence. Why do they never mention the sun’s activity or sunspots? We are entering a “grand solar minimum” which will likely result in cooling. So what does that mean for warmists? It means the return of a mini ice age – possibly like the Little Ice Age of 1600-1850.

Proper policy makers would take this scientific data into account and use it to drive proper policy in spite of their preconceived notions and political agendas. We need to stand up to these progressive scientists and politicians that are disregarding science to dictate carbon regulations. Carbon policies have nothing to do with stewardship of the planet. No “new deal”, green or otherwise, can control future climate change if it cannot alter the sun’s activity. Call me cynical, but I am certain politicians know they cannot control the sun or cosmic rays so they keep pushing the false fable that CO₂ is a villain and you in turn should open your wallets to pay penance.

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CO₂ emissions will not bring on the next bout of extreme cold winters and wet summers but a cooling sun will. The Little Ice Age was a time of great droughts, agricultural failures, global famines and rampant epidemics. It was not a time we should be eager to return to and we should be preparing ourselves against the consequences of a cooling earth. How will the breadbasket of Canada continue to supply the world with grain if temperatures drop 1-2 °C?

It is high time we call out these so called environmentalists. Are they giving up the fossil fuels that give them cell phones, fly them to conferences, power their cars or heat their homes? No. They just want to impose their tyrannical rules to control everyone else. It is up to the reasoned, right minded citizens of our great country to be heard. So, I call on Canadians and all citizens of the world to issue a real motion to save the planet, society and civilization as we know it:

Emergency Motion to save Humanity from Brainwashing, Fear Mongering, Climate Alarmism

Dear World,

Immediately declare a worldwide Climate Alarmism Emergency. All parties and nations must work together and follow expert advice to eradicate the trauma being thrust on humanity by climate alarmism. Brainwashing, fear mongering, Climate Alarmists, if left unchecked, will be the source of generational manipulation. Our young, especially Generations Z and Alpha and their Millennial parents, are most at risk from their indoctrination tactics. The eradication of climate alarmism is a non-partisan issue and must be accomplished worldwide immediately.

In conclusion, please remember that we are your voice for climate change science and policy. We are the David in this David vs Goliath information battle and we make every dollar we receive count. We are all in this together and we need your help. We ask you keep repeating our messages whenever and wherever you can. Have a great, warm summer.

Andrew Bonvicini, P.Geoph.
President, Friends of Science

POLITICAL DEVELOPMENTS

Climate and Labor – Australia and the US

Australia held its federal [election](#) on May 18, with all 151 seats in the House of Representatives and 40 of the 76 seats in the Senate being contested. Before the vote the pollsters predicted a Labor victory as journalists and intellectuals [insisted](#) that ordinary Aussies wanted government to fight climate change. Labor pledged a 45% emissions reduction and 50% renewables by 2030. In a surprising result the incumbent Liberal/National Coalition led by Prime Minister Scott Morrison (famous for posing in Parliament holding a lump of coal) managed to get a 77-seat majority in the House.

Afterward, Australian environmental leaders were forced to [reflect](#) on their role in the “climate election,” in particular a campaign against the Adani coal mine in Queensland. A former Greens leader led a Stop Adani [convoy](#) from Tasmania through the eastern metropolises to the coal-mining town of Clermont, where the locals gave the outsiders a frosty welcome. In addition Labor, [torn between](#) its traditional union base and its urban environmentally-conscious supporters, walked an uncomfortable line on Adani, trying not to openly support the mine, while not standing in its way. As a result Labor lost votes in Queensland without picking up as many as it could have in the big cities.

In the US campaigning for the 2020 presidential election has begun. For the 23 Democratic candidates [announced](#) so far will have to face the party’s Green New Deal (GND), [calling for](#) a ten-year national mobilization to meet 100% of power demand “through clean, renewable, and zero-emission energy sources” (as well as eliminating emissions from agriculture and working to ensure affordable access to electricity.) In solidly Democratic California, blue-collar union workers [are rejecting](#) GND politics, a possible preview of troubles for candidates in Rust Belt states like Pennsylvania and Ohio. As a professor at Loyola Law School [put it](#): “Lifelong union members don’t necessarily want to be retrained” for other, greener work spots... people vote on whether or not they’re going to lose their job.”

Tracking the Paris Agreement

The Paris Agreement’s main goal is to keep global temperature rise this century to “well below 2°C” above pre-industrial levels, and pursue efforts to limit the temperature increase to 1.5°C. So far 185 countries have

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ratified the agreement, each of them submitting commitments known as nationally-determined contributions (NDCs), which are listed [here](#). However, according to a [story](#) by *Axios*, none of the [top ten emitters](#) (China, the US, the EU, India, Russia, Japan, Brazil, Indonesia, Canada and Mexico), is hitting its NDC.

The Climate Action Tracker (CAT) [website](#) has six rating categories: “Critically Insufficient” (>4°C world), “Highly Insufficient” (<4°C world), “Insufficient” (<3°C world), “2°C Compatible” (<2°C world), “1.5°C Compatible” (<1.5°C world) and “Role Model” (<<1.5°C world). CAT [ranks](#) countries based on “NDCs, 2020 pledges, long-term targets and current policies against whether they are consistent with a country’s fair share effort to the Paris Agreement’s 1.5°C temperature goal.”

CAT [puts](#) the US into the Critically Insufficient category based on the Trump Administration’s rollbacks and intent to withdraw from the Paris Agreement. CAT deems Canada’s [performance](#) as merely Insufficient, noting Ontario’s repeal of the province’s cap-and-trade system. But even with the federal government imposing a backstop CO₂ tax on Ontario and other recalcitrant provinces, there is lack of clarity on whether Canada will rely on carbon “sinks” (forests, soils and wetlands).

Youth Suing Governments over Climate Change

Friends of Science’s March 2019 Newsletter [described](#) how a group of 21 young people are suing the US government (*Juliana v. United States*) to have the courts force it to phase out fossil fuel emissions. All that’s [happened](#) since then was an hour-long hearing at the Court of Appeals for the Ninth Circuit, where the government lawyers argued that the young people’s “misguided” case is fatally flawed and that “there is no fundamental constitutional right to a ‘stable climate system.’” They also argued that the plaintiffs’ proposed solution is unworkable and unconstitutional, “essentially placing a single district court in Oregon — acting at the behest of a few plaintiffs with one particular perspective on the complex issues involved — in charge of directing American energy and environmental policy.” The judges pressed the lawyers for both sides, seeming to suggest that the government’s arguments in favour of shutting down the case were too narrow and finding the plaintiffs’ legal theories too sweeping. So far there has been no ruling from the Court.

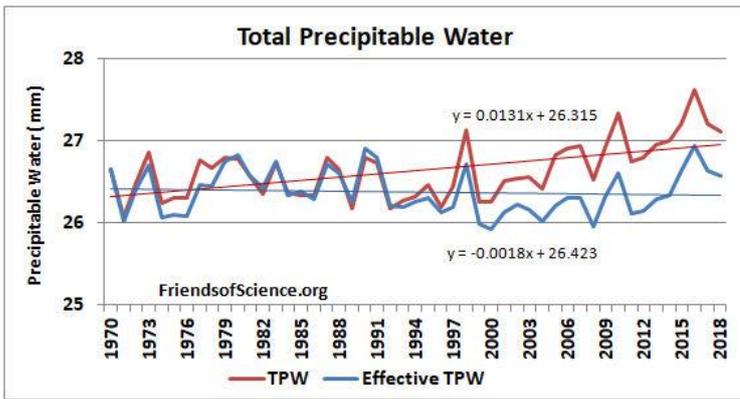
Canada has its own version of *Juliana*, specifically *Environnement Jeunesse v. Canada*, where an environmental non-profit in Quebec, applied to bring a class action [lawsuit](#) against the Government of Canada on behalf of Quebec citizens aged 35 and under. Unlike in *Juliana*, the *EnJeu* lawyers are pursuing a class action lawsuit that [seeks](#) \$100 from the federal government for each Quebecer under 35. However, the real goal of the action is to obtain a judgement that the government has adopted greenhouse gas reduction policies that are dangerous and won’t help limit global warming to 1.5°C. On June 6 a Quebec Superior Court justice heard arguments about whether the class action can proceed. Government lawyers argued that courts can neither force the government to introduce laws nor force Parliament to adopt them.

Ian Cameron
Director, Friends of Science

SCIENCE NEWS

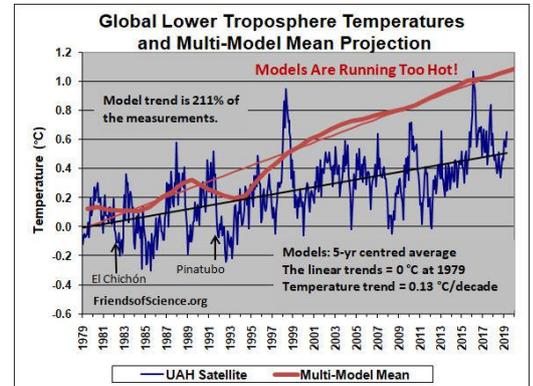
Total Precipitable Water and the Greenhouse Effect

Total precipitable water (TPW) is an important climate parameter as it is a measure of the total amount of water vapour which is the most important greenhouse gas in the atmosphere. Water vapour increases with global warming and in the climate models it amplifies the direct small warming caused by anthropogenic greenhouse gas emissions. It is often incorrectly assumed that an increase in total precipitable water corresponds to a positive water vapour feedback. The greenhouse effect is very sensitive to water vapour in the upper atmosphere. [This article](#) written by me shows that based on humidity data from a major reanalysis dataset, declining humidity in the upper atmosphere offsets the greenhouse effect of increasing humidity in the lower atmosphere. The upper troposphere 300-200 mbar layer (about 9 to 12 km altitude) contains only 0.61% of the total water vapour mass, but a percent change in water vapour in this layer has 95% of the greenhouse effect of a percent change in the 1013-850 layer (surface to 1.5 km altitude) that has 85 times the water vapour mass.



The TPW trend from 1970 to 2018 is 0.131 mm/decade. I calculate the TPW weighted by the sensitivity of out-going longwave radiation (OLR) to water vapour in each layer each year, which I call the Effective TPW. The TPW and the Effective TPW are shown in the graph on the left.

Accounting for the sensitivity of OLR to changes in water vapour in the different layers, the effective TPW has a small declining trend. The greenhouse effect of increasing water vapour in the atmosphere may not have caused a positive water vapour feedback, contrary to climate models. This may explain why the climate models have simulated a global surface warming from 1979 to 2018 of over twice the warming observed from [satellite data](#).



Our Sun's 11-Year Cycle Is Driven by the Alignment of the Planets

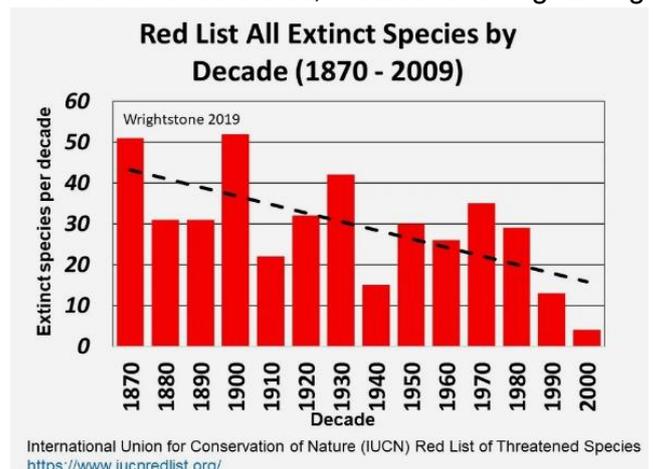
A [paper](#) published in *Solar Physics* presents a solar dynamo model that is periodically modulated by planetary tidal forcing. An [article](#) at *ScienceAlert.com* that describes the research says Venus, Earth, and Jupiter assert a small gravitational tug on the Sun which influences its magnetic field. This in turn controls the solar cycle. The article says “The team has traced back 1,000 years of solar cycles, between the years 1000 and 2009 CE, comparing that data against the movements of the planets in that time.” They found a high level of concordance of the solar cycles with the planets over the course of 90 cycles. The tidal forces are the strongest when Venus, Earth and Jupiter are aligned which occurs every 11 years during solar minimums. The tidal forces influence the Tayler instability, which appear in doughnut-shaped magnetic fields when they are compressed. The small tidal forces trigger a reversal in the magnetic field’s polarity resulting in regular fluctuation in activity that corresponds to the solar cycle. The computer simulations of the Tayler instabilities became synchronized with the timing of simulated tidal perturbation from the planets. The computer model also showed double peaks at solar maximums, which also appear in most real solar cycles. The system’s forces are not at all restricted to the 11 year solar cycle. The tidal forces exhibit millennium scale cycles as well that could affect long-term climate change on Earth.

Species Extinction Rate Declines Dramatically, Contrary to a Recent UN Report

A United Nations “Summary for Policy Makers” (SPM) [report](#) published May 6, 2019 claims “Human actions threaten more species with global extinction now than ever before” and “that around 1 million species already face extinction, many within decades” [page 3]. It also claims “A substantial proportion of assessed species are threatened with extinction and overall trends are deteriorating, with extinction rates increasing sharply in the past century.” [page 14]. The full report has not yet been released, presumably because it has to be modified to agree with the political SPM. Gregory Wrightstone [published a critique](#) of the UN report, writing “A closer review of the most recent information dating back to 1870 reveals that, instead of a frightening increase, extinctions are actually in a significant decline.”

The International Union for Conservation of Nature and Natural Resources (IUCN) publishes a “Red List” which catalogues every known species that has gone extinct. This chart shows that instead of an increase in the extinction rate, extinctions actually “peaked in the late 1800s and early 20th century, followed by a significant decline that continues today.” Wrightstone says “The extinction peak coincides with introduction of non-native species, primarily on islands (including Australia).”

The report finds that the main cause of extinctions is habitat loss, yet the proposed solution is to “pave over



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vast stretches of land for industrial scale solar factories and to construct immense wind factories that will cover forests and grasslands, killing the endangered birds and other species they claim to want to save.” Whitestone wrote “This new extinction study is just the latest example of misuse and abuse of the scientific process designed to sow fear of an impending climate apocalypse.”

Impact of Urban Encroachment on Air Temperature Measurement

NOAA conducted a multi-year experiment to [study](#) the impact of urban development on temperatures. The experiment consists of a station in a built-up area and four stations placed over grass at increasing distances from the built-up area, and monitored over an 18-month period to April 2014. The [abstract](#) says “temperature observations were warmest for the site closest to the built environment with an average temperature difference of 0.31 and 0.24 °C for aspirated and un aspirated sensors respectively.” An aspirated station includes a fan inside the radiation shield. The impact of the urban area was much larger at night than during the day. The paper is discussed [here](#). These results confirm that small-scale urban encroachment within 50 meters of a temperature station can have important impacts on daily temperature measurements.

Ken Gregory, P.Eng.
Director, Friends of Science

FUNDRAISING COMMITTEE: MEMBERSHIPS AND DONATIONS

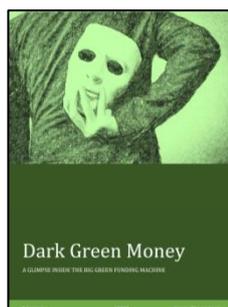
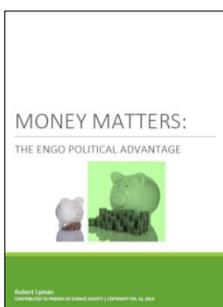
Our Operational funds fuel gauge on the right shows that we have five months of funding available for 2019.

Several of the foreign-funded (and Canadian tax-subsidized) Environmental Nongovernmental Orgs (ENGOs) are running “matching donor” campaigns right now, with people offering \$10,000 if others match that in donations. **David Suzuki Fund has \$19 million in assets and has been funded by Power Corporation since 2007.** The point being, we operate on C\$150,000/year from our members. We don't like asking you for more support – **we DO like asking if you can find us more members and donors!**

Just imagine if 1,000 people joined and donated 100 dollars? Or 5,000 joined?



Please read these reports. We have [a compilation of all four on our blog](#).



This debate matters, you are making a difference.

Do you have a local Chamber of Commerce or service club? Invite one of our speakers or ask for one of our presentations and present it yourself (or perhaps do your own version if you feel up to it). Real problems related to environment continue to be ignored in the effort to vilify carbon dioxide. This rhetoric has devastated industries and the Canadian economy, creating needless unemployment.

For us to make sure our voice continues to be heard, we will need much more support - personal, financial, and through your networks of friends and colleagues.

Contributions can be made at friendsofscience.org by clicking on “Become a Member/DONATE” in the upper right of the home page. The PayPal donation link will allow you to pay with your credit card even if you do not have a PayPal account. Should you experience technical difficulties with online processing, please try

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Friends of Science Society

P.O. Box 23167 Mission P.O.

Calgary AB Canada T2S 3B1

Toll-Free Telephone: 1-888-789-9597 Ext 2

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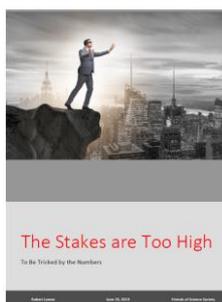
MICHELLE'S BREAKING NEWS!

New Reports:



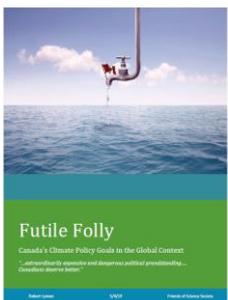
[Climate Change Your Mind](#)

our rebuttal to CCCR2019 Canada's Climate Change Report 2019.



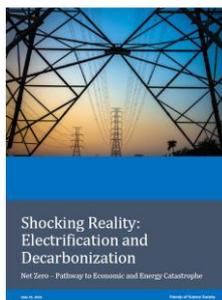
[The Stakes are Too High to be Tricked by the Numbers](#)

Robert Lyman's review of the Parliamentary Budget Office report.



[Futile Folly](#)

Robert Lyman weighs in on the follies of our extreme GHG reduction targets in the face of global emissions.



[Shocking Reality](#)

we pour a bucket of cold water of facts and real life events on the David Suzuki Foundation's report on 'net zero' models which did not address the reality of trillions in costs and a possible power grid debacle.

Many more reports summarized here: [A compilation of our all time favourites](#)

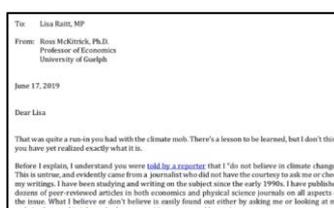
Latest Videos – with some “new” different approaches!



[Red Flags All Over the Climate Movement](#)



[Carbon Tax is Not Based on Science](#)



[A Reading of Dr. Ross McKittrick's "Open Letter to Lisa Raitt" on the Climate Mob Effect](#)



[KidFriendly ClimateTales... for the Whole Family](#)

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