

# **The Week That Was: 2019-08-31 (August 31, 2019)**

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### **The Science and Environmental Policy Project**

**Quote of the Week:** *What I cannot create, I do not understand.* – Richard Feynman

**Number of the Week:** 6,000 times more accuracy needed!

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#### **THIS WEEK:**

**By Ken Haapala, President, Science and Environmental Policy Project (SEPP)**

**Nothing New in AGW:** David Whitehead briefly reviews several new studies which demonstrate where and how Global Climate Models are failing. The first one listed, in *Science Mag*, discusses how humans have been changing the face of the Earth for up to 10,000 years. There is a large project underway, ArchaeoGLOBE, which is gathering data and various areas of the globe, to include change of land use from agriculture be it animal husbandry or farming. Archaeologists have discovered that humans have modified corn for some 10,000 years.

The ArchaeoGLOBE Project was based on a questionnaire to more than 200 archaeologists with 10 distinct time points from 10,000 years ago to 1850. Data were collected for four land use categories: foraging, hunting, gathering and fishing. Such work might provide valuable information on how humans affected different regions of the globe, and what tools were used. Also, the study dispels the common notion that human impact on climate did not start until about 1850, so human impact on nature and climate is nothing new.

Another study Whitehead discusses is the importance of phosphate for the flourishing of aquatic life. Dissolved inorganic phosphate influences the growth, abundance and diversity of phytoplankton. Phosphorus is commonly regarded as the ultimate limiting nutrient, rather than other limiting nutrients such as nitrogen. The importance of phosphate became clear in the US in the 1960s and 1970s when excess phosphate and nitrogen from detergents and other chemicals caused major algae blooms in rivers and freshwater lakes. The EPA monitors water quality for these nutrients.

Phosphate is important for the carbon cycle, for which Whitehouse discusses another study, this one on the horizontal and vertical circulation of the carbon-rich waters of the subpolar Southern Ocean. For example, the Weddell Gyre, a major circulation off the continent of Antarctica, east of the Antarctic Peninsula, is within the Antarctic Circumpolar Current and transports an enormous amount of carbon-containing phytoplankton away from the region. The global climate models do not correctly describe this carbon cycle.

The popular press continues with the fad of late August, proclaiming fires in the Amazon are destroying the “lungs of the world.” The claim is based on the misconception that the vegetation in the Amazon converts more carbon dioxide (CO<sub>2</sub>) and water to glucose (food) and oxygen than any other area.

If there is any region that deserves such a label, it would be the upper several meters of the oceans and fresh-water bodies, where sunlight penetrates. Here, algae, phytoplankton, and cyanobacteria flourish by using photosynthesis. But it is unlikely that the popular press and environmental groups will make such a correction. After all, “save the Amazon” is a far better rallying cry (slogan) than “save the pond scum.” See links under Challenging the Orthodoxy, Questioning the Orthodoxy, and Communicating Better to the Public – Exaggerate, or be Vague?

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**Clouds – Unknown to Models?:** For years Richard Lindzen has been stating that the global climate models fail to treat clouds well. His statements contradict claims by the UN Intergovernmental Panel on Climate Change (IPCC) and its followers, such as the US Global Change Research Program (USGCRP), which assert that the science is well-established, and the projections / predictions of the models are reliable. Indeed, a critical portion of the EPA’s finding that carbon dioxide and other greenhouse gases endanger human health and welfare is based on the reliability of the global climate models and their long-term projections / predictions.

On the website No Tricks Zone, Kenneth Richard had a remarkable post on the uncertainty in the global climate models created by the inability to understand the influence of clouds in the climate system. From the International Satellite Cloud Climatology Project (ISCCP). From its website:

*“The International Satellite Cloud Climatology Project (ISCCP) was established in 1982 as part of the World Climate Research Program (WCRP) to collect weather satellite radiance measurements and to analyze them to infer the global distribution of clouds, their properties, and their diurnal, seasonal and interannual variations. The resulting datasets and analysis products are being used to study the role of clouds in climate, both their effects on radiative energy exchanges and their role in the global water cycle.*

*“The ISCCP cloud datasets provide our first systematic global view of cloud behavior of the space and time scales of the weather yet covering a long enough time period to encompass several El Niño - La Niña cycles...”*

Under Cloud Climatology with the subheading Computer Climate Models the website states:

***“Because there are so many possibilities for change, climatologists must know how clouds over the entire Earth will respond. Determining that response calls for computer models of the global climate that can explore changing conditions. Climate models are sets of mathematical equations that describe the properties of Earth's atmosphere at discrete places and times, along with the ways such properties can change. The challenge for climate models is to account for the most important physical processes, including cloud microphysics and cloud dynamics, and their complex interactions accurately enough to carry climatic predictions tens of years into the future. When contemporary models are given information about Earth's present condition — the size, shape and topography of the continents; the composition of the atmosphere; the amount of sunlight striking the globe — they create artificial climates that mathematically resemble the real one: their temperatures and winds are accurate to within about 5%, but their clouds and rainfall are only accurate to within about 25-35%. Such models can also accurately forecast the temperatures and winds of the weather many days ahead when given information about current conditions.***

TWTW wonders what is meant by saying temperatures are accurate to within about 5%. Earth's temperature is about 288 K, or which +/- 5 percent is about +/- 14 K (= +/- 14 °C), whereas changes in worldwide temperature averages are in the 1 °C range. The website continues:

***“Unfortunately, such a margin of error is much too large for making a reliable forecast about climate changes, such as the global warming will result from increasing abundances of greenhouse gases in the atmosphere. A doubling in atmospheric carbon dioxide (CO<sub>2</sub>), predicted to take place in the next 50 to 100 years, is expected to change the radiation balance at the surface by only about 2 percent. Yet according to current climate models, such a small change could raise global mean surface temperatures by between 2-5°C (4-9°F), with potentially dramatic consequences. If a 2 percent change is that important, then a climate model to be useful must be accurate to something like 0.25%. Thus, today's models must be improved by about a hundredfold in accuracy, a very challenging task. To develop a much better understanding of clouds, radiation and precipitation, as well as many other climate processes, we need much better observations.”*** [Boldface added]

The website is a joint effort by ISCCP, NASA Goddard Institute for Space Studies (NASA-GISS) and NASA Goddard Space Flight Center. Even if one accepts the claim that models

*“... create artificial climates that mathematically resemble the real one: their temperatures and winds are accurate to within about 5%,”*

is correct, the use of models to support the EPA's Endangerment Finding is contradicted by major government entities involved in modeling. A one-hundred-fold improvement in accuracy is needed before the models are suitable for long-term projections / predictions.

As explained below, TWTW strongly disagrees with the estimates of error in temperatures. But the key point is that the modelers realize that their models are not sufficiently accurate to be used as the UN-IPCC, USGCRP, and EPA use them. See links under Problems in the Orthodoxy.

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**The Greenhouse Effect – NCAR Models:** NCAR is an organization sponsored by the National Science Foundation and managed by the University Corporation for Atmospheric Research. It has a total staff of about 1300 with about 80% at NCAR and 20% at UCAR. In 2018 its budget was \$227 million, \$166.6 million for NCAR and \$50.4 million for UCAR and its community programs. 115 colleges and universities participate in governing UCAR.

The principal modeling effort is the CESM Large Ensemble Project with simulations performed with the nominal 1-degree latitude/longitude version of the Community Earth System Model version 1 (CESM1) with CAM5.2 as its atmospheric component. The surface simulations cover from 1920 to 2100 and with 40 major computer runs. According to the website:

*“The Large Ensemble Project also includes a set of multi-century control simulations with the atmosphere, slab-ocean, and fully-coupled versions of CESM1 under pre-industrial (1850) radiative forcing conditions (2600 years, 900 years and 1800 years in length, respectively).”*

It is not clear what sources of data have been used for these multi-year runs. But the results of the 40 runs of the Community Earth System Model give a wide range of possible climates. The website states:

*“With only a single model run, scientists are limited in what they can conclude when an observation doesn't match up with a model's projection. For example, if the Arctic sea ice extent were to expand, even though the model projected a decline, what would that mean? Is the physics underlying the model wrong? Or does the model incorrectly capture the natural variability? In other words, if you ran the model more times, with slightly different starting conditions, would one of the model runs correctly project the growth in sea ice?”*

*“The Large Ensemble helps answer that question. Armed with 40 different simulations, scientists can characterize the range of historic natural variability. With this information, they can determine if observations fit within the envelope of natural variability outlined in the model, instead of comparing them to a single run.*

*“Creating an envelope of what can be considered natural also makes it possible to see when the signal of human-caused climate change has pushed an observation beyond the natural variability. The Large Ensemble can also clarify the climate change “signal” in the model. That's because averaging together the 40 ensemble members can effectively cancel out the natural variability — a La Niña in one model run might cancel out an El Niño in another, for example — leaving behind only changes due to climate change.”*

The wide range of possible climate is attributed to the butterfly effect, which was described by Professor Edward Lorenz in advancing Chaos Theory. There is a great deal of uncertainty internal to climate science when it is approached from a modeling perspective.

To make matters more complex, the modelers have increased the expected range of temperatures from a doubling of CO<sub>2</sub> from 1.5 and 4.5 degrees Celsius (2.7 – 8.1 degrees Fahrenheit) to 5.3°C (10.1°F).

*“NCAR's newest iteration of the Community Earth System Model (CESM2), which was released to the research community last year, is now projecting 5.3°C (10.1°F) of warming if carbon dioxide is doubled. Similar increases in climate sensitivity are also being reported by research teams operating other leading climate models, which are running experiments in preparation for the next report of the Intergovernmental Panel on Climate Change (IPCC).”*

*“‘Multiple independent models are coming up with answers that are outside the canonical range from the last 30 years,’ said NCAR scientist Andrew Gettelman, who led the new study. ‘We are concerned there could be something wrong in the model, but we're even more worried that the model might be right. This magnitude of increase in climate sensitivity increases the risk for extreme climate change impacts.’”*

The research was published in the Geophysical Research Letters

*“The scientists were ultimately able to show that the biggest difference comes from the way clouds, as well as cloud interactions with the tiny atmospheric particles called aerosols, are represented in the new model. While it's possible that these representations are inaccurate and are contributing too much to surface warming, the scientists can't yet determine that with certainty. In fact, the clouds simulated in CESM2 look more realistic than those in its predecessor when compared to observations.”*

Atmospheric observations demonstrate that the models greatly overstate the influence of greenhouse gases on temperature trends. But the modelers are so focused on surface temperature trends, that they forget that the greenhouse effect occurs in the atmosphere. See links under Problems in the Orthodoxy

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**Methane Fears:** Claiming that the US government overstepped its authority in regulating methane, the current EPA is proposing relaxing some of the rules of the Obama administration. This is bringing the usual chorus of fears of global warming – methane “is about 25 times more potent than carbon dioxide in trapping the earth’s heat, according to estimates used by the EPA.”

The June 23, 2018, TWTW discussed why fears of global warming from methane are not credible. Decades of laboratory experiments demonstrate that methane absorbs radiation (electromagnetic energy) within narrow wavelengths. In the atmosphere, energy in these wavelengths is absorbed by water vapor, by far the dominant greenhouse gas. There is little remaining energy for methane to absorb and the calculations of enhanced greenhouse from methane are meaningless. If one eliminated water vapor from the atmosphere, then methane could cause minor, not measurable, warming. But the elimination of water vapor would be a greater threat. See link under EPA and other Regulators on the March.

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**Fearing Deregulation:** Reporters for Bloomberg had an article stating that some businesses are objecting to deregulation. This is not surprising. Business have long sought political protection against competition. Adam Smith wrote a book about it, The Wealth of Nations, published in 1776. Smith advocated that the market system, free of undue government regulations, would be a great benefit to the general population rather than the then common mercantilist system, where favored businesses were protected by the crown and certain trade groups by guilds. The language has changed, but the goal is the same – protected profits. See link under Change in US

Administrations

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**UN Climate Fears Week:** There have been several articles on the coming UN Climate Action Summit on September 23. This will be followed by Climate Week in New York City September 24-30. The goal is to promote the UN Paris Agreement. The UN post states:

*“Climate change is the defining issue of our time and now is the defining moment to do something about it. There is still time to tackle climate change, but it will require an unprecedented effort from all sectors of society. To boost ambition and accelerate actions to implement the Paris Agreement on Climate Change, UN Secretary-General António Guterres will host the 2019 Climate Action Summit on 23 September to meet the climate challenge. The Summit will showcase a leap in collective national political ambition, and it will demonstrate massive movements in the real economy in support of the agenda.”*

Other parts of the press release state:

*“Global emissions are reaching record levels and show no sign of peaking. The last four years were the four hottest on record, and winter temperatures in the Arctic have risen by 3°C since 1990. Sea levels are rising, coral reefs are dying, and we are starting to see the life-threatening impact of climate change on health, through air pollution, heatwaves and risks to food security.”*

*“The latest analysis shows that if we act now, we can reduce carbon emissions within 12 years and hold the increase in the global average temperature to well below 2°C and even, as asked by the latest science, to 1.5°C above pre-industrial levels.”*

*“UN Secretary-General António Guterres is calling on all leaders to come to New York on 23 September with **concrete, realistic plans to enhance their nationally determined contributions by 2020, in line with reducing greenhouse gas emissions by 45 per cent over the next decade, and to net zero emissions by 2050.**” [Boldface in original]*

The official sponsor of the follow-up Climate Week is The Climate Group, a UK charity. Although the sponsors include the Office of Mayor of NYC, TWTW found no direct connection to the UN. Originally, the UN was strongly advocated as an alternative to fear of war. Now, it is an advocate of fear of climate change, which has been ongoing for hundreds of millions of years, and fear of prosperity of the general public. See links under: Communicating Better to the Public – Use Propaganda.

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**Addressing a Real Threat?** Recently one of the more discouraging recent activities of the military has been reports of the fear of climate change and drastic sea level rise by the Pentagon, repeated in the latest National Climate Assessment. Certainly, relative sea level rise in the Virginia Beach-Norfolk-Newport News VA-NC Metropolitan Statistical Area (MSA, which includes extreme northeastern North Carolina) threatens the largest Navy Base in the US.

But the primary reason is not global sea level rise, but the MSA sinking from groundwater extraction. About 35 million years ago the area was hit by a meteor, making a large crater, which complicates the geography. However, GPS measurements clearly show sinking around two major water wells, northwest and south of the center of the MSA.

The Navy Times reports that the Navy has quietly dropped its climate change task force. Hopefully, the Navy will now address the real threat, the sinking land in the MSA. It would need to work with the political and community leaders to find a solution. TWTW still proposes that the most realistic, cost effective approach is major desalination plants, like the one being successfully used in Carlsbad, California. See link under Change in US Administrations.

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**Lowering Standards:** The flagship publication of the American Association for the Advancement of Science (AAAS), Science Magazine, dismissed Fred Singer’s rebuttal to the fawning review the magazine gave the Merchants of Doubt, which produced no evidence to back its claims. Admittedly, TWTW is not favorably inclined to AAAS.

Last week, TWTW discussed that a court in Canada found in favor of Tim Ball in Mr. Mann’s lawsuit against him for slander. Among those commenting on the litigation was attorney Francis Menton writing in his blog the Manhattan Contrarian:

*“Here’s a twist that is simply beyond belief. On February 17, 2018, the American Association for the Advancement of Science — the largest professional association of scientists in the world, claiming to have more than 120,000 members — gave its supposedly prestigious ‘Public Engagement with Science’ award to none other than Michael Mann. Here is its announcement of the award. Some choice excerpts:*

“The honor recognizes Mann’s ‘tireless efforts to communicate the science of climate change to the media, public and policymakers.’ In the past year, Mann has had 500 media interviews and appearances and directly reached public audiences via social media. . . . He has also advised actor Leonardo DiCaprio, who spoke about climate change during a 2014 speech delivered to the United Nations.” See links under Oh Mann!

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### SEPP’S APRIL FOOLS AWARD THE JACKSON

The voting is closed and the winner who most closely meets the qualification is being selected.

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**Number of the Week: 6,000 times more accuracy needed!** According to the calculations made by ISCCP and NASA, to make projections / predictions the models need an increase in accuracy by 100 times the accuracy they have now. But this increase in accuracy is dependent on the claim that the accuracy of the models in temperature and wind is within about 5%.

However, John Christy and his colleagues have shown that in describing temperature trends of the atmosphere, the models overestimate the increases in temperatures trends by about 300% in the critical tropical areas. US models are worse. Thus, the ISCCP and NASA state the performance of the models is 60 times greater than their actual performance where the greenhouse effect occurs.

Using their same rough calculation procedures, one can claim that the increase in model accuracy needed for projections / predictions is not 100 times but by 6,000 times. The EPA Endangerment Finding is on shaky ground.

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### NEWS YOU CAN USE:

#### ***Commentary: Is the Sun Rising?***

#### **New Studies Show Solar Activity Has Major Impact On Europe’s Climate, Cannot Be Dismissed**

How the sun impacts European climate

By Die kalte Sonne (German text translated by P Gosselin), No Tricks Zone, Aug 27, 2019

<https://notrickszone.com/2019/08/27/new-studies-show-solar-activity-has-major-impact-on-europes-climate-cannot-be-dismissed/>

We have examined the possible connections among the solar irradiance and some climate indicators, viz., the global temperature anomaly, the global mean sea level, the global sea-ice extent and the global precipitation anomaly occurred during last forty years (1978–2017). In our investigation, **we have observed that the impact of solar irradiance on the global surface temperature level in next decade will increase by ~4.7% while the global mean sea level will increase about 0.67%.**

[SEPP Comment: Double-checked abstract and assume it was incorrectly written. The phrase “we have observed” should be “we project.”]

#### ***Censorship***

#### **AOC-Aligned Climate Group Demands Media Silence 'Climate Deniers'**

By Tyler O’Neil, PJ Media, Aug 18, 2019

<https://pjmedia.com/trending/aoc-aligned-climate-group-demands-media-silence-climate-deniers/>

#### ***Challenging the Orthodoxy -- NIPCC***

### **Climate Change Reconsidered II: Physical Science**

Idso, Carter, and Singer, Lead Authors/Editors, Nongovernmental International Panel on Climate Change (NIPCC), 2013

<https://www.heartland.org/media-library/pdfs/CCR-II/CCR-II-Full.pdf>

Summary: <http://www.nipccreport.org/reports/ccr2a/pdf/Summary-for-Policymakers.pdf>

### **Climate Change Reconsidered II: Biological Impacts**

Idso, Idso, Carter, and Singer, Lead Authors/Editors, Nongovernmental International Panel on Climate Change (NIPCC), 2014

<http://climatechangereconsidered.org/climate-change-reconsidered-ii-biological-impacts/>

Summary: <https://www.heartland.org/media-library/pdfs/CCR-IIb/Summary-for-Policymakers.pdf>

### **Climate Change Reconsidered II: Fossil Fuels**

By Multiple Authors, Bezdek, Idso, Legates, and Singer eds., Nongovernmental International Panel on Climate Change, April 2019

<http://store.heartland.org/shop/ccr-ii-fossil-fuels/>

Download with no charge:

<http://climatechangereconsidered.org/wp-content/uploads/2019/01/Climate-Change-Reconsidered-II-Fossil-Fuels-FULL-Volume-with-covers.pdf>

### **Why Scientists Disagree About Global Warming**

The NIPCC Report on the Scientific Consensus

By Craig D. Idso, Robert M. Carter, and S. Fred Singer, Nongovernmental International Panel on Climate Change (NIPCC), Nov 23, 2015

<http://climatechangereconsidered.org/>

Download with no charge:

<https://www.heartland.org/policy-documents/why-scientists-disagree-about-global-warming>

### **Nature, Not Human Activity, Rules the Climate**

S. Fred Singer, Editor, NIPCC, 2008

[http://www.sepp.org/publications/nipcc\\_final.pdf](http://www.sepp.org/publications/nipcc_final.pdf)

### **Global Sea-Level Rise: An Evaluation of the Data**

By Craig D. Idso, David Legates, and S. Fred Singer, Heartland Policy Brief, May 20, 2019

[https://www.heartland.org/\\_template-assets/documents/publications/SeaLevelRiseCCRII.pdf](https://www.heartland.org/_template-assets/documents/publications/SeaLevelRiseCCRII.pdf)

### ***Challenging the Orthodoxy***

#### **New Studies Show How Climate Models Fail**

By David Whitehouse, GWPF Science Editor, Aug 30, 2019

<https://www.thegwpf.com/new-studies-show-how-climate-models-fail/>

Link to paper: How humans changed the face of Earth

By Neil Roberts, et al. Science, Aug 30, 2019

<https://science.sciencemag.org/content/365/6456/865>

Link to database: ArchaeoGLOBE Dataverse (University of Maryland, Baltimore County)

By Staff, Harvard Dataverse, accessed Aug 30, 2019

<https://dataverse.harvard.edu/dataverse/ArchaeoGLOBE>

Link to phosphate paper: Biogeochemical controls of surface ocean phosphate

By Adam Martiny, et al. Science Advances, Aug 28, 2019

<https://advances.sciencemag.org/content/5/8/eaax0341>

Link to paper on Southern Ocean: Reframing the carbon cycle of the subpolar Southern Ocean  
By Graeme A. MacGilchrist, et al. Science Advances, Aug 28, 2019  
<https://advances.sciencemag.org/content/5/8/eaav6410>

### **Beginning of the end for climate change hysteria?**

By Kathy Gyngell, The Conservative Woman, Aug 26, 2019

<https://www.conservativewoman.co.uk/beginning-of-the-end-for-climate-change-hysteria/>

Link to Christy's findings: The Tropical Skies: Falsifying climate alarm

By John Christy, GWPF, 2019

<https://www.thegwpf.org/content/uploads/2019/05/JohnChristy-Parliament.pdf>

### **It's time to whack greenhouse gas Endangerment Finding**

By Tom Harris, The Heartland Institute, Western Free Press, Aug 30, 2019

<https://westernfreepress.com/its-time-to-whack-greenhouse-gas-endangerment-finding/>

### **More fake five-alarm crises from the IPCC**

“Mainstream” news outlets dutifully feature climate cataclysm claims that have no basis in reality

Guest post by Paul Driessen, WUWT, Aug 25, 2019

<https://wattsupwiththat.com/2019/08/25/more-fake-five-alarm-crises-from-the-ipcc/>

### **Morano's 1-hour interview debunking 'global warming' & explaining how the climate scare became a tool for the regulatory state**

By Charles the moderator, WUWT, Aug 29, 2019

<https://wattsupwiththat.com/2019/08/29/moranos-1-hour-interview-debunking-global-warming-explaining-how-the-climate-scare-became-a-tool-for-the-regulatory-state/>

*[SEPP Comment: # 1 on Nature's blacklist, video with index. Global warming is a justification for political control.]*

### **Science Goes Up in Rain Forest Smoke**

By David Whitehouse, GWPF Science Editor, Aug 28, 2019

<https://www.thegwpf.com/science-goes-up-in-rain-forest-smoke/>

### **U.N. 'Solutions' Harm World's Poorest Learn More at Heartland Institute's Livestream Aug. 26**

By Charles the Moderator, WUWT, Aug 26, 2019

<https://wattsupwiththat.com/2019/08/26/u-n-solutions-harm-worlds-poorest-learn-more-at-heartland-institutes-livestream-aug-26/>

### ***Defending the Orthodoxy***

#### **Deep transformations needed to achieve sustainable development goals**

By Staff, International Institute for Applied Systems Analysis, Phys.Org, Aug 26, 2019

<https://phys.org/news/2019-08-deep-sustainable-goals.html> [H/t Dennis Ambler]

Link to paper: Six Transformations to achieve the Sustainable Development Goals

Jeffrey D. Sachs, Guido Schmidt-Traub, Mariana Mazzucato, Dirk Messner, Nebojsa Nakicenovic & Johan Rockström, Nature Sustainability, 2019

<https://www.nature.com/articles/s41893-019-0352-9>

#### **Climate change: Big lifestyle changes 'needed to cut emissions'-DEFRA Chief Scientist**

By Paul Homewood, Not a Lot of People Know That, Aug 29, 2019

<https://notalotofpeopleknowthat.wordpress.com/2019/08/29/climate-change-big-lifestyle-changes-needed-to-cut-emissions-defra-chief-scientist/>

### **The Real Obstacle to Climate Action**

By Kamal Dervis and Sebastian Strauss, Project Syndicate, Aug 20, 2019

<https://www.project-syndicate.org/commentary/climate-rapid-green-transition-losers-by-kamal-dervis-and-sebastian-strauss-2019-08>

“Distributional issues – not aggregate costs – are the real obstacle to the ambitious policies needed to avert possibly catastrophic climate change. Progressives everywhere must therefore unite in support of a rapid green transition that is feasible and desirable for all.”

*[SEPP Comment: Highly questionable.]*

### ***Questioning the Orthodoxy***

#### **Has Nature Communications committed reckless endangerment?**

By Christopher Monckton of Brenchley, WUWT, Aug 28, 2019

<https://wattsupwiththat.com/2019/08/28/has-nature-communications-committed-reckless-endangerment/>

#### **Prepare to retreat before climate change!**

By Larry Kummer, Fabius Maximus website, Aug 27, 2019 [H/t WUWT]

<https://fabiusmaximus.com/2019/08/27/retreat-before-climate-change/>

#### **The most dangerous thing about the Amazon fires is the apocalyptic rhetoric**

Moralising on social media from footballers, actors and politicians is doing harm

By Matt Ridley, The Spectator, Aug 31, 2019 [H/t GWPF]

<https://www.spectator.co.uk/2019/08/the-most-dangerous-thing-about-the-amazon-fires-is-the-apocalyptic-rhetoric/>

#### **Why Everything They Say About The Amazon, Including That It's The 'Lungs Of The World,' Is Wrong**

By Michael Shellenberger, Forbes, Aug 26, 2019

<https://www.forbes.com/sites/michaelshellenberger/2019/08/26/why-everything-they-say-about-the-amazon-including-that-its-the-lungs-of-the-world-is-wrong/#730e8dda5bde>

#### **End of the Peer Show**

By Mark Steyn, The War on Free Speech, August 24, 2019

<https://www.steynonline.com/9663/end-of-the-peer-show>

#### **Aussie Government: UNESCO Should NOT cite Climate Risks to the Great Barrier Reef**

Guest essay by Eric Worrall, WUWT, Aug 29, 2019

<https://wattsupwiththat.com/2019/08/29/aussie-government-unesco-should-not-cite-climate-risks-to-the-great-barrier-reef/>

#### **Climate emergency tour: Montreal edition**

By John Robson, Climate Discussion Nexus, Aug 28, 2019

<https://climatediscussionnexus.com/2019/08/28/climate-emergency-tour-montreal-edition/>

#### **Emmanuel Macron's climate change virtue signaling**

The French president is addicted to the ecstasy of gratuitous self-righteousness

By Roger Kimball, Spectator, US, Aug 25, 2019  
<https://spectator.us/emmanuel-macron-climate-change-virtue/>

### ***After Paris!***

**G7 Success — leaders issue statement 2% of usual length — and climate sidelined**

By Jo Nova, Her Blog, Aug 28, 2019  
<http://joannenova.com.au/2019/08/g7-success-one-page-and-no-new-climate-declaration/>

**Greens call G7 a Failure Because Trump Skipped the Climate Change Meeting**

By Eric Worrall, WUWT, Aug 28, 2019  
<https://wattsupwiththat.com/2019/08/28/greens-call-g7-a-failure-because-trump-skipped-the-climate-change-meeting/>

**The Physical Impossibility of Renewable Energy Meeting the Paris Accord Goals**

By Staff Institute for Energy Research, Canada Free Press, Aug 25, 2019 [H/t Jim Hollingsworth]  
<https://canadafreepress.com/article/the-physical-impossibility-of-renewable-energy-meeting-the-paris-accord-goals>

### ***Change in US Administrations***

**Navy quietly ends climate change task force, reversing Obama initiative**

By: J.D. Simkins, Navy Times, Aug 26, 2019 [H/t Tom Hayward]  
<https://www.navytimes.com/off-duty/military-culture/2019/08/26/navy-quietly-ends-climate-change-task-force-reversing-obama-initiative/>

**Scientists fight Trump EPA 'secret science' proposal to exclude certain research**

By Rebecca Beitsch, The Hill, Aug 27, 2019  
<https://thehill.com/policy/energy-environment/459044-scientists-fight-trump-epa-secret-science-proposal-to-exclude>

*[SEPP Comment: Protecting public health is so important, we cannot possibly let the public know what we do?]*

**Trump Says He's Unwilling to Risk U.S. Energy Wealth for Windmill 'Dreams'**

By Jennifer A. Dlouhy and Christopher Martin, Bloomberg, Aug 26, 2019  
<https://finance.yahoo.com/news/trump-says-unwilling-risk-u-154847426.html>

“In response to Trump’s wind power comment, the Sierra Club called him a “climate denier.” “He outright ignores the existence of the climate crisis, his administration is directed by corporate polluters, he believes windmills cause cancer (they don’t), and he can’t even bring himself to engage in meaningful discussions with other world leaders about how to address the most pressing issue of our time,” the group said.”

**Trump Gives Businesses Deregulation Whether They Want It or Not**

By Jennifer A Dlouhy, Bloomberg, Aug 30, 2019 [H/t Cooler Heads]  
<https://www.bloomberg.com/news/articles/2019-08-30/trump-gives-businesses-deregulation-whether-they-want-it-or-not>

“Deregulatory zeal sometimes draws ire of regulated industries  
“Supporters say president’s moves are unleashing U.S. economy”

### ***Problems in the Orthodoxy***

## **NASA: We Can't Model Clouds, So Climate Models Are 100 Times Less Accurate Than Needed For Projections**

By Kenneth Richard, No Tricks Zone, Aug 29, 2019

<https://notrickszone.com/2019/08/29/nasa-we-cant-model-clouds-so-climate-models-are-100-times-less-accurate-than-needed-for-projections/>

Link to website: International Satellite Cloud Climatology Project

By Staff, ISCCP and NASA, Accessed Aug 30, 2019

<https://isccp.giss.nasa.gov/>

Cloud Climatology: Computer Climate Models

[https://isccp.giss.nasa.gov/role.html#COMP\\_MODS](https://isccp.giss.nasa.gov/role.html#COMP_MODS)

[SEPP Comment: The number may be questionable, but the problem is real.]

## **NCAR's New Climate Model Is Running Hot**

Study examines possible reasons

By Laura Snider, NCAR & UCAR News, Aug 5, 2019

<https://news.ucar.edu/132678/ncars-new-climate-model-running-hot>

Link to paper: High Climate Sensitivity in the Community Earth System Model Version 2 (CESM2)

By A. Gettelman, et al., Geophysical Research Letters, July 16, 2019

<https://agupubs.onlinelibrary.wiley.com/doi/abs/10.1029/2019GL083978>

“A warmer climate also allows the atmosphere to hold more water vapor, which acts as a greenhouse gas and causes more warming.”

## ***Seeking a Common Ground***

### **How the Media Help to Destroy Rational Climate Debate**

By Roy Spencer, His Blog, Aug 25, 2019

<http://www.drroyspencer.com/2019/08/how-the-media-help-to-destroy-rational-climate-debate/>

## **Real Leadership vs Climate Grandstanding**

If the crisis is real, why don't prominent individuals act like it?

By Donna Laframboise, Big Picture News, Aug 26, 2019

<https://nofrackingconsensus.com/2019/08/26/real-leadership-vs-climate-grandstanding/>

## **When Harry met hypocrisy**

By John Robson, Climate Discussion Nexus, Aug 28, 2019

<https://climatediscussionnexus.com/2019/08/28/when-harry-met-hypocrisy/>

“Hypocrisy, according to La Rochefoucauld, is the tribute vice pays to virtue. But that formulation implies that those who are saying one thing and doing another are aware of the contradiction and at least somewhat embarrassed by it. What's really striking is the extent to which climate crusaders genuinely don't understand that what they're recommending is impossible.”

## ***Review of Recent Scientific Articles by CO2 Science***

### **The Phenotypic Plasticity of a South American Lizard**

Piantoni, C., Navas, C.A. and Ibarguengoytia, N.R. 2019. A real tale of Godzilla: impact of climate warming on the growth of a lizard. *Biological Journal of the Linnean Society* 126: 768-782. Aug 29, 2019

<http://www.co2science.org/articles/V22/aug/a11.php>

### **The Interactive Effect of CO<sub>2</sub> and Nitrogen on Wheat Grain Yield**

Hazra, S., Swain, D.K. and Bhadoria, P.B.S. 2019. Wheat grown under elevated CO<sub>2</sub> was more responsive to nitrogen fertilizer in Eastern India. *European Journal of Agronomy* 105: 1-12. Aug 28, 2019

<http://www.co2science.org/articles/V22/aug/a10.php>

### **Physiological Responses of a Giant Mussel to Ocean Acidification**

Benítez, S., Lagos, N.A., Osóres, S., Opitz, T., Duarte, C., Navarro, J.M. and Lardies, M.A. 2018. High pCO<sub>2</sub> levels affect metabolic rate, but not feeding behavior and fitness, of farmed giant mussel *Choromytilus chorus*. *Aquaculture Environment Interactions* 10: 267-278. Aug 26, 2019

<http://www.co2science.org/articles/V22/aug/a9.php>

### ***Model Issues***

#### **The great failure of the climate models**

By Patrick Michaels and Caleb Stewart Rossiter, Washington Examiner, Aug 25, 2019

<https://www.washingtonexaminer.com/opinion/op-eds/the-great-failure-of-the-climate-models>

### ***Measurement Issues -- Surface***

#### **NASA : Hiding The Heat Of 1878**

By Tony Heller, Real Climate Science, Aug 30, 2019

<https://realclimatescience.com/2019/08/nasa-hiding-the-heat-of-1878/>

“There was no winter in the Midwest in 1878”

#### **A sceptic’s guide to global temperatures**

By Clive Best, His Blog, Aug 29, 2019 [H/t GWPF]

<http://clivebest.com/blog/?p=9125>

*[SEPP Comment: Lengthy post with a number of graphs, including a global map of weather stations before 1900 shows how sparse (thin) the historic record is.]*

#### **NOAA Official : 124 Degrees In The Tasmanian Mountains**

By Tony Heller, Real Climate Science, Aug 29, 2019

<https://realclimatescience.com/2019/08/noaa-official-124-degrees-in-the-tasmanian-mountains/>

#### **America is cool**

By John Robson, Climate Discussion Nexus, Aug 28, 2019

<https://climatediscussionnexus.com/2019/08/28/america-is-cool/>

#### **It's official: No U.S. warming since at least 2005**

New NOAA measuring system complies with federal standards

By World Net Daily Staff, Aug 29, 2019 [H/t Bernie Kekpshire]

<https://www.wnd.com/2019/08/official-no-u-s-warming-since-least-2005/>

#### **Climate Alarmists Foiled: No U.S. Warming Since 2005**

By James Taylor, Real Clear Energy, Aug 23, 2019

[https://www.realclearenergy.org/articles/2019/08/23/climate\\_alarmists\\_foiled\\_no\\_us\\_warming\\_since\\_2005\\_110470.html](https://www.realclearenergy.org/articles/2019/08/23/climate_alarmists_foiled_no_us_warming_since_2005_110470.html)

*[SEPP Comment: Taylor’s comments prompt a puzzle created by NOAA and NASA-GISS adjustments to the US surface record: How can increased urbanization cause historic temperatures to cool – particularly the 1930s temperatures?]*

## **Rare! Sudden Stratospheric Warming in the Southern Hemisphere — cold weather coming?**

By Jo Nova, Her Blog, Aug 30, 2019

<http://joannenova.com.au/2019/08/rare-sudden-stratospheric-warming-in-the-southern-hemisphere-cold-weather-coming/>

### ***Changing Weather***

## **If Dorian Hits as a Cat4, Still No Long-term Trends in Florida Major Hurricanes**

By Roy Spencer, His Blog, Aug 29, 2019

<http://www.drroyspencer.com/2019/08/if-dorian-hits-as-a-cat4-still-no-long-term-trends-in-florida-major-hurricanes/>

## **New Study: Pre-1900 Rainfall Events In Sydney, Melbourne “More Extreme” Than Modern Times**

By P Gosselin, No Tricks Zone, Aug 25, 2019

<https://notrickszone.com/2019/08/25/new-study-pre-1900-rainfall-events-in-sydney-melbourne-more-extreme-than-modern-times/>

## **Near 100F in Portland But Low to Mid 80s in Seattle. Why the Difference?**

By Cliff Mass, Weather and Climate Blog, Aug 25, 2019

<https://cliffmass.blogspot.com/2019/08/near-100f-in-portland-but-low-to-mid.html>

## **About 2.5 Million Acres in Alaska Have Burned. The State's Wildfire Seasons Are Getting Worse, Experts Say**

By Tara Law, Time, Aug 22, 2019 [H/t Bernie Kepshire]

<https://time.com/5657188/alaska-fires-long-climate-change/>

## **Heatwaves longer, more deadly even in a 2C world**

By Marlowe Hood, Paris (AFP) Aug 19, 2019

[http://www.terradaily.com/reports/Heatwaves\\_longer\\_more\\_deadly\\_even\\_in\\_a\\_2C\\_world\\_999.html](http://www.terradaily.com/reports/Heatwaves_longer_more_deadly_even_in_a_2C_world_999.html)

### ***Changing Climate***

## **Switching on the Atlantic heat pump**

Press Release, Stockholm University, Aug 22, 2019 [H/t WUWT]

[https://www.eurekalert.org/pub\\_releases/2019-08/su-sot082119.php](https://www.eurekalert.org/pub_releases/2019-08/su-sot082119.php)

Link to paper: Arctic closure as a trigger for Atlantic overturning at the Eocene-Oligocene Transition

By David K. Hutchinson, et al. Nature Communications, Aug 22, 2019

<https://www.nature.com/articles/s41467-019-11828-z>

### ***Changing Climate – Cultures & Civilizations***

## **Slaughter of the Innocents: ‘World’s largest child sacrifice site’ discovered in Peru where 227 kids were ‘killed to stop bad weather’**

By Jenny Awford, The Sun, Aug 28, 2019

<https://www.thesun.co.uk/news/9810446/worlds-largest-child-sacrifice-peru-mass-grave-el-nino/>

### ***Changing Seas***

**A Stone Age boat building site has been discovered underwater**

By Staff Writers, Southampton UK (SPX), Aug 23, 2019

[http://www.spacewar.com/reports/A\\_Stone\\_Age\\_boat\\_building\\_site\\_has\\_been\\_discovered\\_under\\_water\\_999.html](http://www.spacewar.com/reports/A_Stone_Age_boat_building_site_has_been_discovered_under_water_999.html)

“The site is now 11 meters [36 feet] below sea level and during the period there was human activity on the site, it was dry land with lush vegetation. Importantly, it was at a time before the North Sea was fully formed and the Isle of Wight was still connected to mainland Europe.”

### **Extreme mangrove corals found on the Great Barrier Reef**

The first documented discovery of 'extreme corals' in mangrove lagoons around Australia's Great Barrier Reef is yielding important information about how corals deal with environmental stress  
Press Release by Staff, University of Technology, Sydney, Aug 29, 2019 [H/t WUWT]

[https://www.eurekaalert.org/pub\\_releases/2019-08/uots-emc082619.php](https://www.eurekaalert.org/pub_releases/2019-08/uots-emc082619.php)

### **Great Barrier Reef outlook lowered to 'very poor'**

By Aris Folley, The Hill, Aug 30, 2019

<https://thehill.com/policy/energy-environment/459389-great-barrier-reef-outlook-lowered-to-very-poor>

*[SEPP Comment: Since The Great Barrier Reef Marine Park Authority cannot protect the reef, why not disband it?]*

### **Sea Level Rise Dooms Obama's New Martha's Vineyard Mansion**

By David Middleton, WUWT, Aug 28, 2019

<https://wattsupwiththat.com/2019/08/28/sea-level-rise-dooms-obamas-new-martha-vineyard-mansion/>

*[SEPP Comment: Believe not what I say but what I do. The elevation above sea level of the property was not given in the reports.]*

### **Alaska salmon deaths blamed on record warm temperatures**

By Dan Joling, AP, Aug 23, 2019

<https://apnews.com/08840c3f8efb49ba8a994a5aa740c74c>

### ***Changing Cryosphere – Land / Sea Ice***

#### **Ice Nucleating Particles Carried From Below a Phytoplankton Bloom to the Arctic Atmosphere**

By J. M. Creamean, et al. Geophysical Research Letters, July 15, 2019

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2019GL083039>

### **Sea ice melt in the Arctic Basin leaves an area for polar bears larger than Greenland**

By Susan Crockford, Polar Bear Science, Aug 29, 2019

<https://polarbearscience.com/2019/08/29/sea-ice-melt-in-the-arctic-basin-leaves-an-area-for-polar-bears-larger-than-greenland/>

### ***Changing Earth***

#### **Toba Supereruption: Perfect Analogy to the “Climate Crisis”**

By David Middleton, WUWT, Aug 27, 2019

<https://wattsupwiththat.com/2019/08/27/toba-supereruption-perfect-analogy-to-climate-crisis/>

### **Environmental change is triggering an identity switch in grasslands**

Scientists discover species turnover in more than 100 grassland experiments

By Staff, NSF, Aug 27, 2019

[https://www.nsf.gov/discoveries/disc\\_summ.jsp?cntn\\_id=299102&WT.mc\\_id=USNSF\\_1](https://www.nsf.gov/discoveries/disc_summ.jsp?cntn_id=299102&WT.mc_id=USNSF_1)

Link to paper: Global change effects on plant communities are magnified by time and the number of global change factors imposed

By Kimberly J. Komatsu, et al., PNAS, Aug 19, 2019

<https://www.pnas.org/content/early/2019/08/14/1819027116>

### ***Acidic Waters***

#### **New threat from ocean acidification emerges in the Southern Ocean**

Press Release By University of Technology, Sydney, Aug 26, 2019 [H/t Bernie

<https://phys.org/news/2019-08-threat-ocean-acidification-emerges-southern.html>

Link to paper: Acidification diminishes diatom silica production in the Southern Ocean

By Katherina Petrou, et al., Nature, Climate Change, Aug 26, 2019 [H/t Bernie Kepshire]

<https://www.nature.com/articles/s41558-019-0557-y>

“Using large 650 L experimental tanks, a temperature controlled 40-foot container and natural coastal water, their research was designed to investigate the effects of predicted future changes in ocean acidity on the community structure of the Antarctic phytoplankton.”

[SEPP Comment: No discussion of measured pH or what is the “predicted pH.”]

#### **Ocean Acidification Study: CO2 Damages Algae**

By Eric Worrall, WUWT, Aug 28, 2019

<https://wattsupwiththat.com/2019/08/28/global-warming-study-co2-damages-algae/>

Link to paper: Acidification diminishes diatom silica production in the Southern Ocean

By Katherina Petrou, et al., Nature Climate Change, Aug 26, 2019

<https://www.nature.com/articles/s41558-019-0557-y>

[SEPP Comment: The test results may not survive in real world conditions. The ocean is likely to remain alkaline.]

### ***Agriculture Issues & Fear of Famine***

#### **Everyone starves, film at 2100**

By John Robson, Climate Discussion Nexus, Aug 28, 2019

<https://climatediscussionnexus.com/2019/08/28/everyone-starves-film-at-2100/>

#### **Denmark halts aquaculture development over environment concerns**

By Staff Writers, Copenhagen (AFP), Aug 27, 2019

[http://www.seeddaily.com/reports/Denmark\\_halts\\_aquaculture\\_development\\_over\\_environment\\_concerns\\_999.html](http://www.seeddaily.com/reports/Denmark_halts_aquaculture_development_over_environment_concerns_999.html)

### ***Lowering Standards***

#### **Climate Catastrophe News Cabal Ramps Up**

Guest Essay by Kip Hansen, WUWT, Aug 29, 2019

<https://wattsupwiththat.com/2019/08/29/climate-catastrophe-news-cabal-ramps-up/>

### ***Communicating Better to the Public – Exaggerate, or be Vague?***

#### **If climate change controls Amazon forest fires...**

By John Robson, Climate Discussion Nexus, Aug 28, 2019

<https://climatediscussionnexus.com/2019/08/28/if-climate-change-controls-amazon-forest-fires/>

“The pressure, needless to say, is coming from countries in North America and Europe which long ago chopped down their own forests to make way for agriculture and city-building, the fruits of

which now include sufficient leisure for western finger-waggers to sit around demanding Brazil stop clearing its forests for agriculture and city-building. Which, to its credit, it has done rather successfully.”

### **Selective and Misplaced Outrage at Brazil’s President Bolsonaro over Amazonian Fires**

By Roy Spencer, His Blog, Aug 28, 2019

<http://www.drroyspencer.com/2019/08/selective-and-misplaced-outrage-at-brazils-president-bolsonaro-over-amazonian-fires/>

### **There’s no doubt that Brazil’s fires are caused by deforestation, scientists say**

By Hertton Escobar, Science, Aug 26, 2019 [H/t Toshio Fujita]

<https://www.sciencemag.org/news/2019/08/theres-no-doubt-brazils-fires-are-caused-deforestation-scientists-say>

*[SEPP Comment: When did the deforestation take place?]*

### **Annual Amazon farmland burn sets records for international outrage**

By Valerie Richardson, The Washington Times, Aug 26, 2019

<https://www.washingtontimes.com/news/2019/aug/26/amazon-fires-normal-agriculture-despite-internatio/>

### **Don’t Panic: Amazon Burning Is Mostly Farms, Not Forests**

Problematic deforestation continues, but the "lungs of the earth" are still breathing.

By Ronald Bailey, Reason, Aug 23, 2019

<https://reason.com/2019/08/23/dont-panic-amazon-burning-is-mostly-farms-not-forests/>

### **The Amazon is burning because the world eats so much meat**

By Eliza Mackintosh, CNN, Aug 23, 2019

<https://www.cnn.com/2019/08/23/americas/brazil-beef-amazon-rainforest-fire-intl/index.html>

*[SEPP Comment: The article emphasizes beef exports to Hong Kong (24%), China (19%), Egypt (11%), etc.]*

### **Caution: Pretty Pictures Can Fool You**

Guest Essay by Kip Hansen, WUWT, Aug 27, 2019

<https://wattsupwiththat.com/2019/08/27/caution-pretty-pictures-can-fool-you/>

### **“Hottest Bank Holiday” Is Just Normal Weather**

By Paul Homewood, Not a Lot of People Know That, Aug 27, 2019

<https://notalotofpeopleknowthat.wordpress.com/2019/08/27/hottest-bank-holiday-is-just-normal-weather/>

### ***Communicating Better to the Public – Make things up.***

#### **How each country’s share of global CO2 emissions changes over time**

By Johnny Wood, World Economic Forum, Jan 2019 [H/t Dennis Ambler]

<https://www.weforum.org/agenda/2019/01/how-each-country-s-share-of-global-co2-emissions-changes-over-time/>

“Less than 200 years ago there was hardly any CO2 in the atmosphere. In the mid-1700s, the Industrial Revolution, driven by the burning of fossil fuels, started a process that would have serious repercussions for the world we live in today.”

### **Fake News and Fires in the Amazon**

Media outlets are supposed to be more reliable than your brother-in-law, but that seems less true every day.

By Donna Laframboise, Big Picture News, Aug 28, 2019

<https://nofrackingconsensus.com/2019/08/28/fake-news-and-fires-in-the-amazon/>

### **Firestorm of Fake News: “convenient” global hysteria about Amazon based on nothing but twitter pics**

By Jo Nova, Her Blog, Aug 25, 2019

<http://joannenova.com.au/2019/08/firestorm-of-fake-news-convenient-global-hysteria-about-amazon-based-on-nothing-but-twitter-pics/>

### **[Journalist] AEP’s Latest Flight Of Fancy–Cryogenic Air!**

By Paul Homewood, Not a Lot of People Know That, Aug 27, 2019

<https://notalotofpeopleknowthat.wordpress.com/2019/08/27/aeps-latest-flight-of-fancy-cryogenic-air/>

### **Climate change melts 12.5bn tons of ice in Greenland 50 years earlier than predicted– Telegraph**

By Paul Homewood, Not a Lot of People Know That, Aug 29, 2019

<https://notalotofpeopleknowthat.wordpress.com/2019/08/29/climate-change-melts-12-5bn-tons-of-ice-in-greenland-50-years-earlier-than-predicted-telegraph/#more-41160>

### ***Communicating Better to the Public – Go Personal.***

#### **CNN: Trump is Worse than Hitler, Mao and Stalin Combined Because Climate Change**

By Eric Worrall, WUWT, Aug 25, 2019

<https://wattsupwiththat.com/2019/08/25/cnn-trump-is-worse-than-hitler-mao-and-stalin-combined-because-climate-change/>

### ***Communicating Better to the Public – Use Propaganda***

#### **UN Climate Action Summit 2019**

Press Release, UN Staff, Accessed Aug 28, 2019

<https://www.un.org/en/climatechange/un-climate-summit-2019.shtml>

### **3 weeks to go til Climate Propaganda Week starts**

By Jo Nova, Her Blog, Aug 26, 2019

<http://joannenova.com.au/2019/08/3-weeks-to-go-til-climate-propaganda-week-starts/>

### **The Coming Climate Change Propaganda Tsunami**

By Tom Harris and Jay Lehr, The Australian Climate Sceptics Blog, Aug 30, 2019

<http://theclimatescepticsparty.blogspot.com/2019/08/the-coming-climate-change-propaganda.html>

### **'Eco-anxiety' over climate change causing stress, panic in millions, experts say**

By Josephine Chu, Medill News Service, UPI, Aug 28, 2019

[https://www.upi.com/Top\\_News/US/2019/08/28/Eco-anxiety-over-climate-change-causing-stress-panic-in-millions-experts-say/8931566927917/](https://www.upi.com/Top_News/US/2019/08/28/Eco-anxiety-over-climate-change-causing-stress-panic-in-millions-experts-say/8931566927917/)

### ***Communicating Better to the Public – Use Propaganda on Children***

**Climate hysteria is a great opportunity to teach children to ask questions**

By Sanjeev Sabhlok in Seeing the Invisible, Via Times of India, Aug 25, 2019  
<https://timesofindia.indiatimes.com/blogs/seeing-the-invisible/climate-hysteria-is-a-great-opportunity-to-teach-children-to-ask-questions/>

### **BBC Using Proms to Frighten Children about Climate Change**

By Hannah Furness, The Telegraph, Via GWPF, Aug 27, 2019  
<https://www.thegwpf.com/bbc-using-proms-to-frighten-children-about-climate-change/>  
[SEPP Comment: Building the most cynical generation ever?]

### ***Communicating Better to the Public – Use Children for Propaganda***

#### **Climate Crusading Youngsters Erupt After DNC Officials Reject Global Warming Debate**

By Chris White, Daly Caller, Aug 22, 2019  
<https://www.dailycaller.com/2019/08/22/climate-change-dnc-biden/>

### ***Questioning European Green***

#### **Is Hydrogen A Solution?**

By Paul Homewood, Not a Lot of People Know That, Aug 26, 2019  
<https://notalotofpeopleknowthat.wordpress.com/2019/08/26/is-hydrogen-a-solution/>

#### **Now you can pay to bury charcoal in a quarry to allay your ‘green guilt’ – but first it has to be imported from Namibia**

By Paul Homewood, Not a Lot of People Know That, Aug 30, 2019  
<https://notalotofpeopleknowthat.wordpress.com/2019/08/30/now-you-can-pay-to-bury-charcoal-in-a-quarry-to-allay-your-green-guilt-but-first-it-has-to-be-imported-from-namibia/>

### ***Questioning Green Elsewhere***

#### **Rare earths are contested ground between US and China**

By Staff Writers, Sino Daily, Aug 25, 2019 [H/t Toshio Fujita]  
<http://www.sinodaily.com/afp/190825031645.939ms1ug.html>

#### **Sustainability: Ideology versus Reality (Part III: The Big Picture)**

By Paul Driessen, Master Resource, Aug 28, 2019  
<https://www.masterresource.org/sustainable-development/sustainability-ideology-versus-reality-part-iii-the-big-picture/>

##### Part II: Wind Turbines,

By Paul Driessen, Master Resource, Aug 27, 2019  
<https://www.masterresource.org/sustainable-development/sustainability-ideology-versus-reality-part-ii-wind-turbines/>

##### Part I: Biofields and Solar

By Paul Driessen, Master Resource, Aug 26, 2019  
<https://www.masterresource.org/sustainable-development/sustainability-ideology-versus-reality-part-i-biofuels-and-solar/>

#### **Fire retardants are great at killing forest fires, fish**

By Philip Bump, GRIST, Jun 19, 2012  
<https://grist.org/pollution/fire-retardants-are-great-at-killing-forest-fires-fish/>

### ***Litigation Issues***

## **Stormy Weather In Solarville: Amazon Joins Walmart In Saying Its Tesla Solar Panels Spontaneously Ignited**

By Charles the Moderator, WUWT, Aug 26, 2019

<https://wattsupwiththat.com/2019/08/26/stormy-weather-in-solarville-amazon-joins-walmart-in-saying-its-tesla-solar-panels-spontaneously-ignited/>

## ***EPA and other Regulators on the March***

**Trump administration proposes weaker monitoring of major greenhouse gas**

By Miranda Green and Rebecca Beitsch, The Hill, Aug 29, 2019

<https://thehill.com/policy/energy-environment/459285-trump-administration-proposes-weaker-methane-regulations>

## **CEI and other free market groups submit comments on CEQ's NEPA Guidance**

By Marlo Lewis, CEI, Aug 27, 2019

<https://cei.org/blog/cei-and-other-free-market-groups%C2%A0submit-comments%C2%A0ceqs-nepa-guidance>

## ***Energy Issues – Non-US***

**Venezuela, China, Russia – Oh My**

By Rick Manning, Real Clear Energy, Aug 14, 2019

[https://www.realclearenergy.org/articles/2019/08/14/venezuela\\_china\\_russia\\_oh\\_my\\_110466.html](https://www.realclearenergy.org/articles/2019/08/14/venezuela_china_russia_oh_my_110466.html)

## ***Energy Issues – Australia***

**Basslink cable out again, costing Victorians more as prices rise**

By Jo Nova, Her Blog, Aug 28, 2019

<http://joannenova.com.au/2019/08/basslink-cable-out-again-costing-victorians-more-as-prices-rise/>

## **Submission due for the West Australian EPA on Monday**

By Jo Nova, Her Blog, Aug 30, 2019

<http://joannenova.com.au/2019/08/submission-due-for-the-west-australian-epa-on-monday/>

“It must ‘regard’ three principles:

“The precautionary principle — the wholly unscientific idea that dangers we can’t be sure of must be avoided, and which is only selectively applied to politically convenient issues.

“The principle of intergenerational equity.

“The polluter pays principle.”

*[SEPP Comment: What about “mental pollution”? Such as government entities misleading the public with unvalidated models and unsubstantiated “science?”]*

## ***Oil and Natural Gas – the Future or the Past?***

**How Much Crude Oil Has The World Really Consumed?**

By Julianne Geiger, Oil Price.com, Aug 20, 2019

<https://oilprice.com/Energy/Crude-Oil/How-Much-Crude-Oil-Has-The-World-Really-Consumed.html>

## **Pipeline Deal Means More U.S. Natural Gas for Mexico Power Plants**

By Darrell Proctor, Power Mag. Aug 28, 2019

[https://www.powermag.com/pipeline-deal-means-more-u-s-natural-gas-for-mexico-power-plants/?mkt\\_tok=eyJpIjoiTmpjM1ptRTNOV0pqTW1OaCIiInQiOiJBUEU4OZk51K0RveGNFTlZtckxaNmduWUWZrUIRCR1RlOHVwNXpiN3lyTzZtN0QyaEI0T0NYbjBHXC95YlZnbdDdcTIEK2duOEExudjFuZm5GbVXUdCzVWUzZmhFdFZCY1Y2WkRrcitlaEdMddILUjV0SytaMzVVOWVNQ3pUblIwT2oifQ%3D%3D](https://www.powermag.com/pipeline-deal-means-more-u-s-natural-gas-for-mexico-power-plants/?mkt_tok=eyJpIjoiTmpjM1ptRTNOV0pqTW1OaCIiInQiOiJBUEU4OZk51K0RveGNFTlZtckxaNmduWUWZrUIRCR1RlOHVwNXpiN3lyTzZtN0QyaEI0T0NYbjBHXC95YlZnbdDdcTIEK2duOEExudjFuZm5GbVXUdCzVWUzZmhFdFZCY1Y2WkRrcitlaEdMddILUjV0SytaMzVVOWVNQ3pUblIwT2oifQ%3D%3D)

### ***Nuclear Energy and Fears***

#### **Russia launches floating nuclear reactor in Arctic despite warnings**

By Andrea Palasciano, Moscow (AFP), Aug 23, 2019

[http://www.nuclearpowerdaily.com/reports/Russia\\_launches\\_floating\\_nuclear\\_reactor\\_in\\_Arctic\\_despite\\_warnings\\_999.html](http://www.nuclearpowerdaily.com/reports/Russia_launches_floating_nuclear_reactor_in_Arctic_despite_warnings_999.html)

### **Trump, Nuclear Bombs and Hurricanes**

By Cliff Mass, Weather and Climate Blog, Aug 27, 2019

<https://cliffmass.blogspot.com/search?updated-max=2019-08-29T07:34:00-07:00&max-results=1>

### **Nuking Hurricanes**

By Roy Spencer, His blog, Aug 26, 2019

<http://www.drroyspencer.com/2019/08/nuking-hurricanes/>

### ***Alternative, Green (“Clean”) Solar and Wind***

#### **Body-Slamming The Poor! New Studies Show Renewable Energies “Have Virtually Doubled The Price Of Electricity”**

By P Gosselin, No Tricks Zone, Aug 28, 2019

<https://notrickszone.com/2019/08/28/hitting-the-poor-hard-new-studies-show-renewable-energies-have-virtually-doubled-the-price-of-electricity/>

Link to paper: Are renewables affecting income distribution and increasing the risk of household poverty?

By Diogo Santos Pereira, et al. Energy, March 1, 2019

<https://www.sciencedirect.com/science/article/abs/pii/S0360544218325738>

### **Energy & Environmental Newsletter: August 29, 2019**

By John Droz, Jr. Master Resource, Aug 29, 2019

<https://www.masterresource.org/alliance-for-wise-energy-decisions/energy-environmental-newsletter-september-3-2019/>

### **Harvard study finds that wind turbines create MORE global warming than the fossil fuels they eliminate – and the same is true for scooters and electric cars**

By Ethan Huff, Natural News, Aug 26, 2019

<https://www.naturalnews.com/2019-08-26-wind-turbines-create-more-global-warming.html>

Link to paper: Climatic Impacts of Wind Power

By Lee Miller and David Keith, Joule, Oct 4, 2018

[https://www.cell.com/joule/fulltext/S2542-4351\(18\)30446-X](https://www.cell.com/joule/fulltext/S2542-4351(18)30446-X)

[SEPP Comment: By mixing layers of air near the surface.]

### ***Alternative, Green (“Clean”) Energy -- Other***

#### **Has Flying Become More Eco-Friendly Than Driving?**

It depends on the traveler.

By Daniel Gross, Slate, July 15, 2014 [H/t Roy Spencer]

<https://slate.com/business/2014/07/driving-vs-flying-which-is-more-harmful-to-the-environment.html>

Link to report: Making driving less energy intensive than flying

By Michael Sivak, U. Michigan, Transportation Research Institute, No Date (2014?)

<http://www.umtri.umich.edu/our-results/publications/making-driving-less-energy-intensive-flying>

### **France climbs aboard hydrogen train revolution**

By Staff Writers, Toulouse, France (AFP), Aug 29, 2019

[http://www.terraily.com/reports/France\\_climbs\\_around\\_hydrogen\\_train\\_revolution\\_999.html](http://www.terraily.com/reports/France_climbs_around_hydrogen_train_revolution_999.html)

### ***Alternative, Green ("Clean") Vehicles***

#### **Ditch cars to meet climate change targets, say MPs**

By Paul Homewood, Not a Lot of People Know That, Aug 26, 2019

<https://notalotofpeopleknowthat.wordpress.com/2019/08/26/ditch-cars-to-meet-climate-change-targets-say-mps/>

#### **New Report: Electric Cars have 'Higher CO2 Emissions'**

By Staff, The Australian, Via GWPF, Aug 26, 2019

<https://www.thegwgf.com/new-report-electric-cars-have-higher-co2-emissions/>

### ***Oh Mann!***

#### **Michael Mann Refusers To Produce Data, Loses Case**

By John Hinderaker, Power Line, Aug 24, 2019

[https://www.powerlineblog.com/archives/2019/08/michael-mann-refuses-to-produce-data-loses-case.php?utm\\_source=CCNet+Newsletter&utm\\_campaign=37a981d048-EMAIL\\_CAMPAIGN\\_2019\\_08\\_26\\_11\\_41&utm\\_medium=email&utm\\_term=0\\_fe4b2f45ef-37a981d048-20144013](https://www.powerlineblog.com/archives/2019/08/michael-mann-refuses-to-produce-data-loses-case.php?utm_source=CCNet+Newsletter&utm_campaign=37a981d048-EMAIL_CAMPAIGN_2019_08_26_11_41&utm_medium=email&utm_term=0_fe4b2f45ef-37a981d048-20144013)

#### **Michael Mann "Hockey Stick" Update: Now Definitively Established To Be Fraud**

By Francis Menton, Manhattan Contrarian, Aug 26, 2019

<https://www.manhattancontrarian.com/blog/2019-8-26-michael-mann-hockey-stick-update-now-definitively-proven-to-be-fraud>

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### **BELOW THE BOTTOM LINE:**

#### **Scientific American Says Vegetables Are Toxic, Sugary Snacks**

By Alex Berezow, ACSH, Aug 20, 2019

<https://www.acsh.org/news/2019/08/20/scientific-american-says-vegetables-are-toxic-sugary-snacks-14234>

#### **Tears for the climate (or to boost their social status?)**

By Jo Nova, Her Blog, Aug 29, 2019

<http://joannenova.com.au/2019/08/tears-for-the-climate-or-to-boost-their-social-status/>

"...the \$2.5 million-dollar study of The Emotional Labor of Climate Scientists."

*[SEPP Comment; Do climate scientists think like teenagers?]*

#### **The Tear-Stained Flogs of Climate Science**

By Tony Thomas, Quadrant, Aug 28, 2019

## ARTICLES

### 1. A Famine of Fact at U.N. Climate Panel

The IPCC sounds an alarm about food production, but another U.N. agency's data show it's a false one.

By James Taylor, WSJ, Aug 30, 2019

<https://www.wsj.com/articles/a-famine-of-fact-at-u-n-climate-panel-11567201352>

SUMMARY: The director of The Heartland Institute's Arthur B. Robinson Center on Climate and Environmental Policy writes:

*“Global crop production sets new records virtually every year. That didn't stop the United Nations Intergovernmental Panel on Climate Change from publishing an alarmist report Aug. 8 that suggests global warming has devastated crop production and threatens food shortages.*

*“Climate change . . . has adversely impacted food security and terrestrial ecosystems as well as contributed to desertification and land degradation in many regions,’ the report asserts. ‘Warming compounded by drying has caused yield declines in parts of Southern Europe. Based on indigenous and local knowledge, climate change is affecting food security in drylands, particularly those in Africa, and high mountain regions of Asia and South America.’*

*“At the same time, the U.N. Food and Agriculture Organization reports that new records were set for global corn, wheat and rice production five years running through 2017, the most recent year for which data are available. How is that possible?*

*“The IPCC report parses words and engages in semantic tricks to give readers a false impression of declining global crop production. Note the reference to declining yields in ‘parts’ of Southern Europe. The report doesn't mention that yields are increasing in Southern Europe as a whole. What sense does it make to blame declining yields in a small portion of the world on global warming without crediting global warming for global gains?*

*“The IPCC claims that ‘indigenous and local knowledge’—as distinct from objectively quantifiable data—supports its claim of declining food production in ‘drylands’ of Africa, Asia and South America. Yet data show crop yields are increasing throughout all three continents and in almost all the nations characterized by drylands.”*

Mr. Taylor concludes with organizations making false claims.

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### 2. Bernie's Green Leap Forward

Cost: \$16 trillion. Fracking: banned. Oil CEOs: in jail.

Editorial, WSJ, Aug 25, 2019

[https://www.wsj.com/articles/bernies-green-leap-forward-11566761328?mod=hp\\_opin\\_pos\\_2](https://www.wsj.com/articles/bernies-green-leap-forward-11566761328?mod=hp_opin_pos_2)

SUMMARY: The editorial starts:

*“Bernie Sanders published his version of the Green New Deal last week, and it's written with all the realism voters have come to expect. Start with its price: ‘an historic \$16.3 trillion.’ That's 10*

*times Joe Biden 's climate plan, which is wild already. For the record, America's annual economy is about \$21 trillion.*

*"Mr. Sanders says climate change 'shares similarities with the crisis faced by President Franklin Delano Roosevelt in the 1940s,' when the U.S. 'within three short years restructured the entire economy.' Oh, the good old days of coffee and meat rationing. Maybe that isn't what Mr. Sanders has in mind, but he pledges to declare a national emergency and push through 'a wholesale transformation of our society.'*

*"To start, he'd switch electricity and transportation to 100% renewables by 2030. He would ban fracking; ban drilling offshore and on federal lands; ban 'imports and exports of fossil fuels'; cancel oil pipelines already being built; and halt permitting of 'new fossil fuel extraction, transportation, and refining infrastructure.'*

The key points are [summarized]:

*"Nuclear power would be phased out. ..."*

*"Mr. Sanders will make railroads retrofit their 'coal and oil bomb trains.' "*

*"To keep the rest of business in line, the Treasury and the Environmental Protection Agency would 'monitor investments and actions made around the globe.' "*

*"Workers in the fossil-fuel industry would be given a 'just transition,' "*

*"Let's not ignore the many spending line-items in Mr. Sanders's agenda:*

- \$2.2 trillion to help small businesses and families in 'weatherizing and retrofitting.'*
- \$2.1 trillion to help companies and families 'trade in their fossil fuel-dependent vehicles for new electric vehicles.'*
- \$607 billion for a 'regional high-speed rail system.'*
- \$527 billion to offer 'free, universal school meals,' as well as to expand food stamps. This is part of his Green New Deal 'because the cost of energy and food are so intertwined.'*
- \$407 billion to 'replace all school and transit buses with electric buses.'*
- \$216 billion for truckers to 'replace all diesel tractor trailer trucks.'*
- \$36 billion to help people 'transform their lawns into food-producing or reforested spaces.'*

The editorial continues:

*"At some point the eyes glaze over. Yet there's much more, from spending on broadband internet to money for 'farmers of color.' Bernie's plan, at least on our office printer, runs to 37 pages. (Sorry, trees.)*

*“The virtue of all this for Democratic voters is that it shows what Bernie’s Manichaeian socialism would entail as he unleashes the federal government to fine-tune every aspect of American life. Joe Biden’s \$1.7 trillion climate plan is a fever dream. Mr. Sanders makes him look almost reasonable.”*