

# **The Week That Was: 2020-12-05 (December 5, 2020)**

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

**Quote of the Week:** *Don't you see that the whole aim of Newspeak is to narrow the range of thought? In the end we shall make thought-crime literally impossible, because there will be no words in which to express it. Every concept that can ever be needed will be expressed by exactly one word, with its meaning rigidly defined and all its subsidiary meanings rubbed out and forgotten. . . . The process will still be continuing long after you and I are dead. Every year fewer and fewer words, and the range of consciousness always a little smaller. Even now, of course, there's no reason or excuse for committing thought-crime. It's merely a question of self-discipline, reality-control. But in the end there won't be any need even for that. . . . Has it ever occurred to you, Winston, that by the year 2050, at the very latest, not a single human being will be alive who could understand such a conversation as we are having now?"* – George Orwell, 1984  
<https://www.goodreads.com/quotes/450328-don-t-you-see-that-the-whole-aim-of-newspeak-is>

**Number of the Week: 9**

#### **THIS WEEK:**

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

**Self-limiting, Logarithmic:** For the past several weeks, TWTW has been discussing the research on the greenhouse effect done by W. A. van Wijngaarden and W. Happer (W & H) using the HITRAN database that began in the 1960s and is well established and tested. This database of both observations and calculations is used to predict and simulate the transmission and emission of electromagnetic radiation in the atmosphere. Using the calculations of W & H, Professor of Physics, emeritus, Howard Hayden extended their findings.

The earth is cooled by outgoing infrared radiation, which has a longer wavelength than visible light. Greenhouse gases interfere with infrared radiation by absorbing and re-emitting photons at particularly wavelengths. Expressed simply, as the concentration of a specific greenhouse gas, CO<sub>2</sub>, increases, its effectiveness diminishes. In other words, as the amount of CO<sub>2</sub> increases, its ability to further increase temperatures decreases. This is similar to an automobile approaching maximum speed. It will not go much faster no matter how hard the driver presses on the accelerator.

In the highly influential 1979 Charney report, the committee attempted to get around this self-limiting characteristic by claiming, without physical evidence, that water vapor will greatly amplify the influence of CO<sub>2</sub>. But this amplification has not been found in over 40 years of atmospheric research. Thus, the Charney report is another example of one of the many dead-ends that scientists have speculated about greenhouse gases.

There is nothing wrong with such speculation and errors, as long as scientists involved recognize them and correct the errors. As Richard Feynman explained in his famous lectures, scientific theory starts with a guess. The important step is testing that guess against all appropriate physical evidence.

A common analogy is that greenhouse gases in the atmosphere act as a blanket protecting the earth from cooling too rapidly. Using that analogy, one can say that adding carbon dioxide to today's atmosphere is like adding a handkerchief on top of a warm quilt. There is some effect, but it's not noticeable. See links under Challenging the Orthodoxy.

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**Employing the Scientific Method:** Although he does not state so specifically, in a rebuttal published in AL.com, John Christy describes how he and Roy Spencer used the scientific method to correct early, minor errors in atmospheric temperature trends from data gathered by satellites for three atmospheric layers. Spencer and Christy are the co-developers of the method, first published in 1990. The data are based on the finding that the intensity of microwave emissions from atmospheric oxygen is directly related to temperature, thus allowing a conversion of these measurements to temperature. [Note that microwave emissions are of a longer wavelength than infrared emissions.]

These data are the most comprehensive global temperature data existing, published monthly, and verified by independent data gathered by different types of instruments on weather balloons. These are the most comprehensive global temperatures existing. Nothing else comes close.

These data do not show dramatic warming of the atmosphere, where greenhouse gas warming occurs. Thus, the data as well as Christy and Spencer have been bitterly attacked by the "climate science" community. For example, Christy writes:

*"Early on, though, the very clever scientists at Remote Sensing Systems in California discovered two issues with our dataset, both of which were immediately remedied 15 and 20 years ago respectively with only very small impacts."*

Yet, as Haapala has personally witnessed, members of the modeling community claim the dataset has been discredited. It does not meet their models. In the world of physical science, numerical models (hypotheses) must be adjusted to meet data, not the data adjusted to meet the models. Climate modelers appear to be living in an alternative reality.

Further, when applying the scientific method, Christy and Spencer have been accused of being anti-science. Such is the nature of the "climate science" community and the politicians who back them. The work of W & H and Hayden on the observed greenhouse effect by analyzing infrared emissions, discussed above, is consistent with atmospheric temperature trends calculated from microwave emissions of oxygen.

Further, as discussed in the July 25 TWTW, Christy and Ross McKittrick used 12 different datasets of evidence from three different methods to establish that 38 of the new models, CMIP6, prepared for the UN Intergovernmental Panel on Climate Change (IPCC), greatly overestimate the warming of the atmosphere over the time interval tested, 1979 to 2014. In many cases, the 95% confidence intervals of the models are above the 95% confidence intervals for the actual datasets. The conclusion of the McKittrick & Christy paper states:

*"The literature drawing attention to an upward bias in climate model warming responses in the tropical troposphere extends back at least 15 years now (Karl et al., 2006). Rather than being resolved, the problem has become worse, since now every member of the CMIP6 generation of climate models exhibits an upward bias in the entire global troposphere as well as in the tropics. The models with lower ECS [Equilibrium Climate Sensitivity (for a doubling of CO<sub>2</sub>)] values*

*have warming rates somewhat closer to observed but are still significantly biased upward and do not overlap observations. Models with higher ECS values also have higher tropospheric warming rates and applying the emergent constraint concept implies that an ensemble of models with warming rates consistent with observations would likely have to have ECS values at or below the bottom of the CMIP6 range. Our findings mirror recent evidence from inspection of CMIP6 ECSs (Voosen, 2019) and paleoclimate simulations (Zhu et al., 2020), which also reveal a systematic warm bias in the latest generation of climate models.”*

The “climate science” community is producing highly biased research and it appears to be incapable of correcting as required by the scientific method. It appears this community services interests other than objective science and can be termed bureaucratic science. See links under Challenging the Orthodoxy and Measurement Issues – Atmosphere.

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**D-O Events:** In their book *Unstoppable Global Warming*, the late Fred Singer and Dennis Avery discussed a climate cycle of about every 1500 years discovered by Willi Dansgaard of Denmark, Hans Oeschger of Switzerland, and Claude Lorius of France. The discoverers were awarded the Tyler Prize (“environmental Nobel”) in 1996. The cycle is known as the Dansgaard – Oeschger Cycle or D-O events for short. D-O events were found in ice cores taken in Greenland. Others have shown that D-O events appear in Antarctic ice cores as well.

Singer and Avery gave considerable evidence that the cycle was world-wide, not just limited to polar regions. They gave evidence from tree rings, stalagmites, dust plumes, insects, plankton, fossilized pollen, algae skeletons as well as changing human cultures to assert that the events influenced climate world-wide. The most plausible cause was the Svensmark Hypothesis that a dormant sun permits more high-energy cosmic rays to hit the earth, increasing cloudiness.

Interestingly, members of the Niels Bohr Institute published in PNAS a discussion of D-O events. The paragraph on significance states:

*“The last glacial period was marked by abrupt, high-amplitude Greenland warming events, known as Dansgaard–Oeschger (D-O) events, which were likely linked with Nordic Seas sea ice retreat. We reconstruct the sea ice variability during four D-O events ~32–41 ka with unprecedented spatial representation and rigorous temporal constraints, using proxy records from two Norwegian Sea sediment cores and an East Greenland ice core. Our records reveal millennial-scale variations between extended sea ice conditions and reduced seasonal sea ice conditions, with rapid sea ice reductions at the onset of D-O events. Our findings imply that rapid sea ice reduction amplified ocean-atmosphere processes causing the abrupt D-O climate transitions, providing constraints for model simulations of abrupt climate changes and their mechanisms.”*

It is good to see D-O events recognized and that they are unrelated to CO2. However, it probably will be some time before any recognition of their broad effect appears in PNAS. See links under Changing Cryosphere – Land / Sea Ice

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**Climate Modeling:** Researchers from Institute for Atmospheric and Climate Science, ETH Zürich, Zurich, Switzerland; Climate and Global Dynamics Laboratory, National Center for Atmospheric Research, Boulder, USA; Max Planck Institute for Meteorology, Hamburg, Germany; National Centre for Atmospheric Science, Department of Meteorology, University of

Reading, Reading, UK produced a paper titled: “Partitioning climate projection uncertainty with multiple large ensembles and CMIP5/6.” The beginning of the abstract reads:

*“Partitioning uncertainty in projections of future climate change into contributions from internal variability, model response uncertainty and emissions scenarios has historically relied on making assumptions about forced changes in the mean and variability. With the advent of multiple single-model initial-condition large ensembles (SMILEs), these assumptions can be scrutinized, as they allow a more robust separation between sources of uncertainty...”*

The opening of the introduction reads:

*“Climate change projections are uncertain. Characterizing this uncertainty has been helpful not only for scientific interpretation and guiding model development but also for science communication (e.g., Hawkins and Sutton, 2009; Rowell, 2012; Knutti and Sedláček, 2012). With the advent of Coupled Model Intercomparison Projects (CMIPs), a systematic characterization of projection uncertainty became possible, as a number of climate models of similar complexity provided simulations over a consistent time period and with the same set of emissions scenarios. Uncertainties in climate change projections can be attributed to different sources – in context of CMIP to three specific ones (Hawkins and Sutton, 2009), described as follows.*

*“Uncertainty from internal unforced variability: the fact that a projection of climate is uncertain at any given point in the future due to the chaotic and thus unpredictable evolution of the climate system. This uncertainty is inherently irreducible on timescales after which initial condition information has been lost (typically a few years or less for the atmosphere, e.g., Lorenz, 1963, 1996). Internal variability in a climate model can be best estimated from a long control simulation or a large ensemble, including how variability might change under external forcing (Brown et al., 2017; Maher et al., 2018).*

*“Climate response uncertainty (hereafter “model uncertainty”, for consistency with historical terminology...”*

Apparently, the modelers are unaware the main issue the models have is that the models have not been validated – that is rigorously tested against physical evidence showing that they duplicate the physical world, reality. As stated above, they greatly overestimate the warming of the atmosphere over 35 years and they do not duplicate the greenhouse effect. Uncertainty in the models means little compared with the discrepancy between the models and reality. See links under Challenging the Orthodoxy and Defending the Orthodoxy.

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**ENSO:** One of the problems of predicting the weather from year to year is that no one has been able to predict the El Niño Southern Oscillation (ENSO). The shifting of El Niños (warm periods) and La Niñas (cool periods) alters surface and atmospheric temperature trends and precipitation. Writing for the Global Warming Policy Forum, David Whitehouse discusses how ENSO affects surface temperatures. Roy Spencer discusses its effect on atmospheric temperatures. Being able to predict these events would benefit humanity. See Articles and links under Measurement Issues – Atmosphere and Changing Weather.

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**Storms of NOAA:** For whatever the reason, NOAA has taken to naming storms of little significance and which would not have been observed before the satellite era. As a result, headlines scream increasing hurricanes, but they are in name only and have little impact. For the

US, there has been no trend since 1900. NOAA is losing credibility. See links under Changing Weather and Science, Policy, and Evidence for problems with NOAA and the weather service.  
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**Changing Seas of Portland, ME:** The Maine Sea Level Rise Dashboard shows two trends for Portland: 1) “1912-2020 average: 1.90±0.10 mm per year or 0.62 ft (7.47 in) per century” and 2) “1995-2020 average: 3.08±0.93 mm per year or 1.01 ft (12.12 in) per century.” Both rates are shown on the accompanying graphs. Unfortunately, the website does not explain why there are two different rates of rise for the same location for the same period, 1995 to 2020.

TWTW will guess that these different rates of rise come from two different sets of instruments that have not been calibrated. One is from tidal gages and the second from satellites. Unlike their colleagues in Penzance (Newlyn), England, apparently those reporting sea level rise in Maine do not believe the public they serve deserves an explanation. See links under Changing Seas.  
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**How to Begin a Critical Letter:** TWTW is disturbed about politicians using false science to establish policy. The issue is how to write a critical letter. Christopher Monckton of Brenchley provides a guide. The heading of his letter to the Editor of *The Lancet* states:

*“Your suggestion that warmer worldwide weather has caused net loss of life, particularly among the world’s fast-declining population of poor people, is fashionable but misplaced.”*

Monckton follows the opening with facts substantiating his claim. See links under Challenging the Orthodoxy and Lowering Standards.  
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**Tolerance:** Several readers asked about the quotation last week from John Adams: *“Facts are stubborn things; and whatever may be our wishes, our inclination, or the dictates of our passions, they cannot alter the state of facts and evidence.”* (1770) He said it as a defense attorney for the British soldiers involved in the Boston Massacre. The mob wanted revenge. Adams wanted the rule of law and tolerance.

A decade after the Pilgrims settled the Plymouth Colony in 1620, the Puritans, who were intolerant, established the Massachusetts Bay Colony around Boston. In 1636, the Puritans banished Roger Williams who thought independently. Williams established Rhode Island on the basis of tolerance. Now, Paul Driessen reports that Senator Sheldon Whitehouse from Rhode Island wants those who think differently about the causes of global warming be punished. Tolerance has changed in Rhode Island. See link under Communicating Better to the Public – Go Personal.  
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**Number of the Week – 9:** CO2 Science reports on the results on yields from exposing nine durum wheat genotypes to high CO2 and temperatures.

*“The significance of the above findings is two-fold. First, in this worse-case climatic scenario for the future, none of the nine cultivars experienced declining yields while four experienced significant increases. This observation demonstrates it is highly unlikely that agriculturally-grown durum wheat grain yields will decline in the future and that they will most likely increase as farmers select and grow the genotypes that are most responsive to rising temperatures and atmospheric CO2 concentrations. Second, this study further illustrates the power and ability of plants to cope with higher temperatures at higher levels of CO2. As demonstrated in numerous*

*studies, higher CO2 levels almost always activate multiple ameliorative mechanisms in plants to help them counter the effects of high temperature stress.” [Boldface was italics in original]*

Forget the claims of global warming damaging US agriculture as stated in the US Fourth National Climate Assessment (2018) <https://nca2018.globalchange.gov/>. See links under Review of Recent Scientific Articles by CO2 Science

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**Dear Reader of The Week That Was,**

**The Science & Environmental Policy Project (SEPP)** is a 501-c-3 organization, incorporated in Virginia. Its Federal I.D. Number is 54-1645372 and donations are US tax deductible. Established in 1990 by the late S. Fred Singer to challenge government environmental policies based on poor science, SEPP stands for objective science, based on physical evidence and rigorous adherence to the scientific method.

No matter how elaborate, results from numerical models that are not thoroughly tested against physical evidence are speculative and cannot be relied upon. Testing the results from using parts of a model against the results from the entire model is a ruse used by the UN Intergovernmental Panel on Climate Change (IPCC). Major government policies based on speculation and misleading “modeling” are a waste of resources.

Physicist Dr. Thomas Sheahan is Chairman. Other distinguished scientists serve on the board of directors. Ken Haapala continues as president and oversees general operations. We continue to be very productive and are striving to carry on the tradition of scientific integrity, together with the priority of data over theory, which Fred Singer always espoused.

Two prevalent myths are damaging our economy and hurting the less fortunate: 1) greenhouse gases, chiefly carbon dioxide, are causing dangerous global warming; and 2) wind and solar can easily replace fossil fuels, nuclear, and hydro in electricity generation. Both are false, yet widely accepted. We continue to contest these myths, and others, with physical evidence.

In collaboration with like-minded groups, we produce hard-hitting comments for the public record and provide scientific testimony on Federal government climate and energy policy. We are actively attempting to eliminate or change the EPA's endangerment finding that despite a lack of physical evidence, carbon dioxide (CO2) poses a danger to public health.

In 2007, SEPP established NIPCC (Non-governmental International Panel on Climate Change) to respond to the false claims of the UN-IPCC and its followers. They claim, without physical evidence, that the use of fossil fuels and CO2 emissions, will lead to climate disasters. The Heartland Institute continues the NIPCC efforts with well-attended sessions of the International Conference on Climate Change and the NIPCC reports at [www.NIPCCreport.org](http://www.NIPCCreport.org).

Contrary to frequent attacks, SEPP does not receive support from oil, tobacco, or chemical companies – or government organizations. SEPP accepts donations from private individuals and small contributions from foundations. The appropriate IRS tax filings are made by an independent CPA and are “Open to Public Inspection.”

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### **NEWS YOU CAN USE:**

#### ***Climategate Continued***

#### **Climategate Revised: Quotations from the Major Players**

By Robert Bradley Jr. Master Resource, Nov 30, 2020

<https://www.masterresource.org/climategate/climategate-quotations-major-players/>

#### ***Censorship***

#### **Censoring Jordan Peterson’s New Book**

By Donna Laframboise, Big Picture News, Nov 30, 2020

<https://nofrackingconsensus.com/2020/11/30/censoring-jordan-petersons-new-book/>

#### ***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:* <https://www.heartland.org/template-assets/documents/CCR/CCR-II/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***

#### **Dependence of Earth's Thermal Radiation on Five Most Abundant Greenhouse Gases**

By W. A. van Wijngaarden and W. Happer, Atmospheric and Oceanic Physics, submitted June 4, 2020

<https://arxiv.org/abs/2006.03098>

Link to prepublication version: <https://arxiv.org/pdf/2006.03098.pdf>

### **CO2 and Climate: A Tutorial**

By Howard "Cork" Hayden, Energy Advocate, Accessed Nov 27, 2020

[http://www.energyadvocate.com/co2\\_clim.pdf](http://www.energyadvocate.com/co2_clim.pdf)

### **Pervasive Warming Bias in CMIP6 Tropospheric Layers**

By R. McKittrick and J. Christy, Earth and Space Science, July 15, 2020

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2020EA001281>

### **John Christy: We don't 'attack science'**

By John Christy, Alabama State Climatologist, AL.com, Nov 25, 2020

<https://www.al.com/opinion/2020/11/john-christy-we-dont-attack-science.html>

### **The Unstoppable Momentum of Outdated Science**

Much of climate research is focused on implausible scenarios of the future, but implementing a course correction will be difficult

By Roger Pielke Jr. The Honest Broker Newsletter, Nov 30, 2020

<https://rogerpielkejr.substack.com/p/the-unstoppable-momentum-of-outdated>

Link to one paper: Achievements and needs for the climate change scenario framework

By Brian C. O'Neill, Nature Climate Change, Nov 25, 2020



<https://www.nature.com/articles/s41558-020-00952-0>

### **Monckton Letter to The Lancet on the 'Climate Crisis'**

By Christopher Monckton of Brenchley, The Heartland Institute, Dec 4, 2020

<https://www.heartland.org/news-opinion/news/monckton-letter-to-the-lancet-on-the-climate-crisis---december-2020>

“Your suggestion that warmer worldwide weather has caused net loss of life, particularly among the world’s fast-declining population of poor people, is fashionable but misplaced.”

### **GWPF/ AEF Webinar: Reforming Environmental Science**

Featuring Dr Peter Ridd, Joanna Nova and Alan Moran, By Staff, The Global Warming Policy Forum & Australian Environment Foundation, Dec 4, 2020

<https://www.thegwpf.com/gwpf-ae-f-webinar-reforming-environmental-science/>

### **No Evidence for Dramatic Loss of Great Barrier Reef Corals**

By Ralph Alexander, Science Under Attack, Nov 30, 2020 [H/t GWPF]

<https://www.scienceunderattack.com/blog/2020/11/30/no-evidence-for-dramatic-loss-of-great-barrier-reef-corals-66>

### **Five Reasons Why Internal Combustion Engines Are Here to Stay**

By Robert Bryce, Real Clear Energy, Nov 29, 2020

[https://www.realclearenergy.org/articles/2020/11/29/five\\_reasons\\_why\\_internal\\_combustion\\_engines\\_are\\_here\\_to\\_stay\\_651051.html](https://www.realclearenergy.org/articles/2020/11/29/five_reasons_why_internal_combustion_engines_are_here_to_stay_651051.html)

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

#### **Partitioning climate projection uncertainty with multiple large ensembles and CMIP5/6**

By Flavio Lehner, et al. Earth System Dynamics, May 29, 2020 [H/t Climate etc.]

<https://esd.copernicus.org/articles/11/491/2020/esd-11-491-2020.html>

### **UN chief slams 'suicidal' failure to combat global warming**

By Staff Writers, United Nations, United States (AFP), Dec 2, 2020

[https://www.spacedaily.com/reports/UN\\_chief\\_slams\\_suicidal\\_failure\\_to\\_combat\\_global\\_warming\\_999.html](https://www.spacedaily.com/reports/UN_chief_slams_suicidal_failure_to_combat_global_warming_999.html)

### **Guest post: How declining ice in clouds makes high ‘climate sensitivity’ plausible**

By Multiple Authors, Carbon Brief, Oct 30, 2020

[https://www.carbonbrief.org/guest-post-how-declining-ice-in-clouds-makes-high-climate-sensitivity-](https://www.carbonbrief.org/guest-post-how-declining-ice-in-clouds-makes-high-climate-sensitivity-plausible?utm_content=buffer66852&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer)

[plausible?utm\\_content=buffer66852&utm\\_medium=social&utm\\_source=twitter.com&utm\\_campaign=buffer](https://www.carbonbrief.org/guest-post-how-declining-ice-in-clouds-makes-high-climate-sensitivity-plausible?utm_content=buffer66852&utm_medium=social&utm_source=twitter.com&utm_campaign=buffer)

Link to paper: Equilibrium climate sensitivity above 5 °C plausible due to state-dependent cloud feedback

By Jenny Bjordal, et al. Nature Geoscience, Oct 26, 2020

<https://www.nature.com/articles/s41561-020-00649-1>

[SEPP Comment: Plausible does not mean real!]

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

#### **Sustainable Newspeak by 2050**

By Peter Foster, Law and Liberty, Nov 30, 2020 [H/t GWPF]

<https://lawliberty.org/sustainable-newspeak-by-2050/>

### **CAGW failed ‘Predictions’**

By Rud Istvan, WUWT, Dec 4, 2020

<https://wattsupwiththat.com/2020/12/04/cagw-failed-predictions/>

### **Study reveals IPCC’s worst-case climate scenarios are already off-track**

By Staff, University of Colorado at Boulder, Via GWPF, Dec 3, 2020

<https://www.thegwpf.com/study-reveals-ipccs-worst-case-climate-scenarios-are-already-off-track/>

Link to accepted manuscript: IPCC baseline scenarios have over-projected CO2 emissions and economic growth

By Matthew G. Burgess, et al. Environmental Research Letters, Nov 25, 2020

<https://iopscience.iop.org/article/10.1088/1748-9326/abcd2>

*[SEPP Comment: A secondary issue to the primary issue, the global climate models have not been validated using physical data of the atmosphere.]*

### **CO2 Has To Be Suppressing Tropical Storms, If CO2 Is A Formation Factor Like NASA Scientists Suggest**

By P Gosselin, No Tricks Zone, Dec 4, 2020

<https://notrickszone.com/2020/12/04/co2-has-to-be-suppressing-tropical-storms-if-co2-a-factor-in-their-formation-like-nasa-scientists-suggest/>

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

#### **Will Trump send the Paris Agreement to the US Senate?**

By Benny Peiser, GWPF, Nov 30, 2020

<https://www.thegwpf.com/will-trump-send-the-paris-agreement-to-the-us-senate/>

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

#### **UN Climate Agency Slapped With Corruption Allegations**

By Tyler Durden, Zero Hedge, Dec 1, 2020 [H/t Bernie Kepshire]

<https://www.zerohedge.com/political/un-climate-agency-slapped-corruption-allegations>

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

#### **Preventing Ecosystem Collapse: Alaska’s Kelp Forests**

By Jim Steele, Landscapes and Cycles, Dec 4, 2020

<http://landscapesandcycles.net/preventing-ecosystem-collapse-alaska-kelp-forests.html>

*[SEPP Comment: Part I of a series examining “threatened” ecosystems. As Steele writes, only Asia’s Aral Sea ecosystem has “collapsed” largely from massive increases in irrigation stopping the inflow of water.]*

### **Radio-Canada Ombudsman Finds Standards Violations in Inaccurate Reporting on Extreme Rainfall Trends in Canada**

By Paul Homewood, Not a Lot of People Know That, Nov 28, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/11/28/radio-canada-ombudsman-finds-standards-violations-in-inaccurate-reporting-on-extreme-rainfall-trends-in-canada/>

### ***Science, Policy, and Evidence***

**U.S. Numerical Weather Prediction is Crippled by the Division between NOAA and the Academic Community. But a Rare Opportunity Beckons.**

By Cliff Mass, Weather Blog, Dec 3, 2020

<https://cliffmass.blogspot.com/2020/12/us-numerical-weather-prediction-is.html>

“Turf Battles, Ego, and the Inefficiency of Big Bureaucracies”

### **Vanishing Congress cedes too much power to regulators**

Founders feared legislature would dominate executive branch

By Andrew Wheeler, The Washington Times, Dec 2, 2020

<https://www.washingtontimes.com/news/2020/dec/2/vanishing-congress-cedes-too-much-power-to-regulat/>

### **Conservatives will regret Boris Johnson’s radical Net Zero targets**

Press Release, GWPF, Dec 4, 2020

<https://www.thegwpf.com/conservatives-will-regret-boris-johnsons-radical-net-zero-targets/>

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

#### **Effects of CO2 and Warming on a Tropical Pasture Species**

Carvalho, J.M., Barreto, R.F., Prado, R.M., Habermann, E., Martinez, C.A. and Branco, R.B.F. 2020. Elevated [CO2] and warming increase the macronutrient use efficiency and biomass of *Stylosanthes capitate* Vogel under field conditions. *Journal of Agronomy and Crop Science* 206: 597-606. Dec 4, 2020

<http://www.co2science.org/articles/V23/dec/a2.php>

#### **Ocean Acidification Impacts on the Early Life Stages of the Orange-spotted Grouper**

Lonthair, J., Hwang, P.-P. and Esbaugh, A.J. 2020. The early life stages of the orange-spotted grouper, *Epinephelus coioides*, exhibit robustness to hypercapnia. *ICES Journal of Marine Science* 77: 1066-1074. Dec 2, 2020

<http://www.co2science.org/articles/V23/dec/a1.php>

#### **Interactive Effects of CO2 and High Temperature on Nine Wheat Genotypes**

Sabella, E., Aprile, A., Negro, C., Nicoli, F., Nutricati, E., Vergine, M., Luvisi, A., De Bellis, L. 2020. Impact of climate change on durum wheat yield. *Agronomy* 10, 793; doi:10.3390/agronomy10060793. Nov 30, 2020

<http://www.co2science.org/articles/V23/nov/a13.php>

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

#### **GHCN V3 Unadjusted Data Shows Bahia Blanca, Argentina Had A Cooling Trend Since 1880**

By Kirye, Tony Heller’s Blog, Nov 30, 2020

<https://realclimatescience.com/2020/11/ghcn-v3-unadjusted-data-shows-bahia-blanca-argentina-had-a-cooling-trend-since-1880/>

[SEPP Comment: 25% of the stations in South America had a cooling trend since 1880!]

### ***Measurement Issues -- Atmosphere***

#### **UAH Global Temperature Update for November 2020: +0.53 deg. C**

By Roy Spencer, His Blog, Dec 1, 2020

<http://www.drroyspencer.com/2020/12/uah-global-temperature-update-for-november-2020-0-53-deg-c/>

Map: [https://www.nsstc.uah.edu/climate/2020/november2020/202011\\_map.png](https://www.nsstc.uah.edu/climate/2020/november2020/202011_map.png)

Graph: [https://www.nsstc.uah.edu/climate/2020/november2020/202011\\_bar.png](https://www.nsstc.uah.edu/climate/2020/november2020/202011_bar.png)

## ***Changing Weather***

### **Roger Pielke Jr.'s 2020 Hurricane Season Recap**

By Charles Rotter, WUWT, Dec 1, 2020

<https://wattsupwiththat.com/2020/12/01/roger-pielke-jr-s-2020-hurricane-season-recap/>

Link to one paper: Normalized hurricane damage in the continental United States 1900–2017

By Jessica Weinkle, et al. Nature Sustainability, Nov 26, 2018

<https://www.nature.com/articles/s41893-018-0165-2>

### **No, It Was Not A Record Hurricane Season!**

By Paul Homewood, Not a Lot of People Know That, Dec 3, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/12/03/no-it-was-not-a-record-hurricane-season/>

### **Another warm El Nino year**

By David Whitehouse, GWPF, Dec 3, 2020

<https://www.thegwpf.com/another-warm-el-nino-year/>

Link to WMO Press Release: 2020 on track to be one of three warmest years on record

By Staff, WMO, Dec 2, 2020

<https://public.wmo.int/en/media/press-release/2020-track-be-one-of-three-warmest-years-record>

“The World Meteorological Organization is the United Nations System’s authoritative voice on Weather, Climate and Water.”???

*[SEPP Comment: The organization is also a parent organization to the UN IPCC, which is highly politicized.]*

### **The new Dust Bowl that even the BBC blames on green climate policies**

By Geoff Hill, The Conservative Woman, Dec 2, 2020

<https://www.conservativewoman.co.uk/the-new-dust-bowl-that-even-the-bbc-blames-on-green-climate-policies/>

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

### **6,000 years of arrows emerge from melting Norwegian ice patch**

By Paul Homewood, Not a Lot of People Know That, Nov 29, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/11/29/6000-years-of-arrows-emerge-from-melting-norwegian-ice-patch/>

## ***Changing Seas***

### **Maine Sea Level Rise Dashboard**

By Staff, Maine Geological Survey, Department of Agriculture, Conservation and Forestry, Accessed Dec 2, 2020

[https://mgs-collect.site/slr\\_ticker/slr\\_dashboard.html](https://mgs-collect.site/slr_ticker/slr_dashboard.html)

### **The Pacific islands which are growing, despite sea level rise**

By Michael Daly, Stuff, Dec 2, 2020

<https://www.stuff.co.nz/science/123559259/the-pacific-islands-which-are-growing-despite-sea-level-rise>

### **Another New Study Determines Sea Surface Temperatures Were 1-5°C Warmer Than Now During The Last ICE AGE**

By Kenneth Richard, No Tricks Zone, Nov 30, 2020

<https://notrickszone.com/2020/11/30/another-new-study-determines-sea-surface-temperatures-were-1-5c-warmer-than-now-during-the-last-ice-age/>

Link to one paper: Forcing of western tropical South Atlantic sea surface temperature across three glacial-interglacial cycles

By Alicia Hou, et al. Global and Planetary Change, May 2020

<https://www.sciencedirect.com/science/article/abs/pii/S0921818120300400>

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

#### **The climate changed rapidly alongside sea ice decline in the north**

News Release by Niels Bohr Institute, Dec 4, 2020 [H/t Bernie Kephshire]

<https://phys.org/news/2020-12-climate-rapidly-sea-ice-decline.html>

Link to paper: Rapid reductions and millennial-scale variability in Nordic Seas sea ice cover during abrupt glacial climate changes

By Henrik Sadatzki, et al. PNAS, Sep 23, 2020

<https://www.pnas.org/content/117/47/29478>

#### **There's a lot of ice in the Arctic (Part III)**

By John Robson, Climate Discussion Nexus, Dec 2, 2020

<https://climatediscussionnexus.com/2020/12/02/theres-a-lot-of-ice-in-the-arctic-part-iii/>

#### **Upheaval – A Short Novel [By Susan Crockford]**

Book Review by Kip Hansen, WUWT, Dec 1, 2020

<https://wattsupwiththat.com/2020/12/01/upheaval-a-short-novel/>

### ***Lowering Standards***

#### **Lancet's Heat-Related Deaths Con Trick**

By Paul Homewood, Not a Lot of People Know That, Dec 4, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/12/04/lancets-heat-related-deaths-con-trick/>

### ***Communicating Better to the Public – Use Yellow (Green) Journalism?***

#### **Trump administration approves controversial oil testing method in Gulf of Mexico**

By Rachel Frazin, The Hill, Dec 3, 2020

<https://thehill.com/policy/energy-environment/528649-trump-administration-approves-controversial-oil-testing-method-in>

“However, critics argued that the agency didn’t do enough to protect endangered species like the Bryde’s whale, of which there were fewer than 100 remaining as of last year.”

*[SEPP Comment: A red herring argument. The number of whales has nothing to do with the issue: Does the method harm whales?]*

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

#### **40,000 years of progress overnight**

By John Robson, Climate Discussion Nexus, Dec 2, 2020

<https://climatediscussionnexus.com/2020/12/02/40000-years-of-progress-overnight/>

#### **Global Warming No Longer Out Of Control**

By Tony Heller, His Blog, Dec 1, 2020

<https://realclimatescience.com/2020/12/global-warming-no-longer-out-of-control/>

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

#### **New Zealand declares a climate change emergency**

Jacinda Ardern calls climate change ‘one of the greatest challenges of our time’ and pledges carbon-neutral government by 2025

By Phil Taylor, The Guardian, Dec 1, 2020 [H/t Bernie Kepshire]

<https://www.theguardian.com/world/2020/dec/02/new-zealand-declares-a-climate-change-emergency>

*[SEPP Comment: The islands are about to be overwhelmed with vegetation from increasing CO2-caused photosynthesis?]*

#### **New Zealand PM has just given permission for climate zealots to break laws: “it’s an emergency”!**

By Jo Nova, Her Blog, Dec 3, 2020

<https://joannenova.com.au/2020/12/new-zealand-pm-has-just-given-permission-for-climate-zealots-to-break-laws-its-an-emergency/>

*[SEPP Comment: See link immediately above.]*

#### **City Of London To Go Solar!**

By Paul Homewood, Not a Lot of People Know That, Dec 2, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/12/02/city-of-london-to-go-solar/>

“Needless to say, the City won’t actually be using electricity from the new solar farm, which is in Dorset. And they will be totally reliant on grid power, including fossil fuels at night,”

#### **Dear Mr. Ambassador**

By John Robson, Climate Discussion Nexus, Dec 2, 2020

<https://climatediscussionnexus.com/2020/12/02/dear-mr-ambassador/>

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

#### **Sheldon Whitehouse’s Climate Inquisition Continues**

By Paul Driessen, The Heartland Institute, Dec 1, 2020

<https://www.heartland.org/news-opinion/news/sheldon-whitehouses-climate-inquisition-continues>

#### **Trump appoints NOAA climate skeptic to panel selecting National Medal of Science winners**

By Rebecca Beitsch, The Hill, Dec 3, 2020

<https://thehill.com/policy/energy-environment/528652-trump-appoints-climate-denying-noaa-staffer-to-panel-selecting>

“In Senate testimony in 2014, he [Legates] argued that the U.N. Intergovernmental Panel on Climate Change was wrong in its assertion the humans are a main driver behind climate change.”

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

#### **Climate ‘apocalypse’ fears stopping people having children – study**

Survey of 600 people finds some parents regret having offspring for same reason

By Damian Carrington, The Guardian, Nov 27, 2020

<https://www.theguardian.com/environment/2020/nov/27/climate-apocalypse-fears-stopping-people-having-children-study>

“There is also growing evidence of climate anxiety affecting mental health and earlier in 2020 more than 1,000 clinical psychologists signed an open letter warning of ‘acute trauma on a global scale’. Last week, a survey revealed that more than half of child and adolescent psychiatrists in England were seeing patients distressed about the state of the environment.”

*[SEPP Comment: Can the UN IPCC be sued for creating “climate anxiety” with false propaganda?]*

### ***Expanding the Orthodoxy***

#### **Environment award for man who stopped new coal power plant in Ghana**

Video produced by Huong Ly and Trystan Young, BBC, Dec 1, 2020

<https://www.bbc.com/news/av/world-africa-55105224>

*[SEPP Comment: According to worldometers, Ghana ranks 139<sup>th</sup> in 2017 by GDP at Purchasing Power Parity (PPP) per capita estimated to be \$4500, or 26% of the world average. Keep it burning sticks and dung! <https://www.worldometers.info/gdp/gdp-per-capita/>]*

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

#### **Unreliable, Most Expensive: Green Energies Make Germany’s Electricity Prices Highest In Europe!**

By P Gosselin, No Tricks Zone, Nov 28, 2020

<https://notrickszone.com/2020/11/28/unreliable-most-expensive-green-energies-make-germanys-electricity-prices-highest-in-europe/>

*[SEPP Comment: The big green race: Which country can bankrupt its citizens the fastest?]*

### **A handy guide to going Green**

By Andy Shaw, Spectator Life, Nov 27, 2020

<https://life.spectator.co.uk/articles/a-handy-guide-to-going-green/>

“The government has announced their Plan for a Green Industrial Revolution. It will bring electricity to light homes, gas for cooking and cars to drive! You may think that we already have these things, but this is a Green revolution, everything that we have got used to will be re-invented.”

### **CCGTs On Death Row [Combined Cycle Gas Turbines]**

By Paul Homewood, Not a Lot of People Know That, Dec 1, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/12/01/ccgts-on-death-row/>

Link to report: A CCGT window of opportunity

As the queue of UK CCGTs for sale grows, we analyse generation margins & challenge the current investment opportunity.

By Staff, Timera Energy, Nov 30, 2020

<https://timera-energy.com/a-ccgt-window-of-opportunity/>

“None of this has anything to do with the efficiency of CCGTs. It is a situation entirely created by public policy, which has interfered with the normal operation of a well-established energy market.”

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

#### **Climate News – December 2020**

By Alan Moran, The Australian Climate Sceptics Blog, Dec 2, 2020

<http://theclimatescepticsparty.blogspot.com/2020/12/climate-news-december-2020.html>

*[SEPP Comment: Includes a collection of revealing graphs: Ten countries with the largest reductions and ten countries with the largest increases in CO2 emission, 2019; Number of Workers to Produce the Same Amount (13.3M Kilowatt hours of Electricity, 2019; Two-century Trend in Global Life Expectancy, Fossil Fuel Consumption and Atmospheric CO2 (from CO2 Science).]*

## **Green Jobs**

### **Losing the green bet**

By John Robson, Climate Discussion Nexus, Dec 2, 2020

<https://climatediscussionnexus.com/2020/12/02/losing-the-green-bet/>

“Our friends at the Global Warming Policy Forum complained that Britain’s alternative energy policy involves contracts going to foreign firms. But on this point we must demur in part. It would not improve a green-energy scheme to make it mercantilist or protectionist. If windmills are the answer to power generation, get the best value you can regardless of source.”

### **Biden’s plan to create millions of energy jobs might work, but only because renewables are so labor-intensive and only at a very high cost**

By Mark Perry, AEI, Nov 26, 2020

<https://www.aei.org/carpe-diem/bidens-plan-to-create-millions-of-energy-jobs-might-work-but-only-because-renewables-are-so-labor-intensive/>

“Unfortunately, Biden has fallen hard for the “jobism” fallacy that clouds and distorts the thinking and policy proposals of so many politicians and government officials. Biden’s “jobism” thinking mistakenly treats energy jobs as an economic benefit rather than as an economic cost. The goal should never be to maximize jobs; rather the goal should be to maximize energy production (or farm or factory output) with the FEWEST workers, not the MOST workers.”

*[SEPP Comment: Great graph on how many workers needed to produce the same amount electricity by type of generation. See link above.]*

## **Funding Issues**

### **Betting other people's money on green**

By John Robson, Climate Discussion Nexus, Dec 2, 2020

<https://climatediscussionnexus.com/2020/12/02/betting-other-peoples-money-on-green/>

“The CPP, the Chief Actuary of Canada has said, must earn a real rate of return of 4% for 75 years to cover projected payouts [for government pension funds]. Good luck with that mate.”

“There is this meme out there that big companies are extra-right-wing entities that send lavish cheques to deniers and oppose regulation. But it’s not true. Like GM, which just switched from Trump’s position on California’s strict new emissions to Biden’s, many are smooth operators convinced they can game the system. They may find, as carmakers in Europe are already finding, that feeding the crocodile in the hope of being eaten last is just exactly as bad an idea as it sounds. But in any case private companies no longer dominate financial markets. Public and parapublic entities do.”

*[SEPP Comment: The green dream may become a nightmare.]*

## **Litigation Issues**

### **DOJ, State Officials Among Supporters of Energy Producers in Supreme Court Case as Oral Arguments Scheduled.**

By William Allison, Energy in Depth, Dec 2, 2020

<https://eidclimate.org/doj-state-officials-among-supporters-of-energy-producers-in-supreme-court-case-as-oral-arguments-scheduled/>

### **Dutch Climate Activists Take Shell to Court Over Emissions**

A group of environmental organizations backed by thousands of Dutch citizens is launching a civil case against the energy giant Shell.

By Staff, AP, Dec 1, 2020



<https://www.usnews.com/news/business/articles/2020-12-01/dutch-climate-activists-take-shell-to-court-over-emissions>

### ***Cap-and-Trade and Carbon Taxes***

#### **There Is No Revenue-Neutral Carbon-Dioxide Tax**

By H. Sterling Burnett, The Heartland Institute, Dec 4, 2020

<https://www.heartland.org/news-opinion/news/there-is-no-revenue-neutral-carbon-dioxide-tax>

### ***Subsidies and Mandates Forever***

#### **Britain's First Electric Forecourt (Paid For By Taxpayers)**

By Paul Homewood, Not a Lot of People Know That, Dec 1, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/12/01/britains-first-electric-forecourt-paid-for-by-taxpayers/>

Established area for charging EVs.

#### **The Story Behind The Loss Making “Subsidy Free” Solar Farm**

By Paul Homewood, Not a Lot of People Know That, Dec 1, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/12/01/the-story-behind-the-loss-making-subsidy-free-solar-farm/>

### ***Energy Issues – Non-US***

#### **UK insists can achieve 68 percent emissions cut by 2030**

By Joe Jackson , London (AFP), Dec 4, 2020

[https://www.spacedaily.com/reports/UK\\_insists\\_can\\_achieve\\_68\\_percent\\_emissions\\_cut\\_by\\_2030\\_999.html](https://www.spacedaily.com/reports/UK_insists_can_achieve_68_percent_emissions_cut_by_2030_999.html)

#### **UK Power Station Capacity**

By Paul Homewood, Not a Lot of People Know That, Nov 29, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/11/29/uk-power-station-capacity/>

“Even with all of these planned CCGTs, UK capacity looks extremely tight, given the extra demand on the grid in years to come.

“Without them, the situation looks dire.”

*[SEPP Comment: And the Prime Minister's plan proposed shutting down CCGTs, Combined Cycle Gas Turbines?]*

#### **German Renewable Energy Insanity: Shutting Down a 5 Year Old Coal Plant, No Plan to Fill the Energy Gap**

By Eric Worrall, WUWT, Dec 4, 2020

<https://wattsupwiththat.com/2020/12/04/german-renewable-energy-insanity-shutting-down-a-5-year-old-coal-plant-no-plan-to-fill-the-energy-gap/>

#### **FES Costings [UK]**

By Paul Homewood, Not a Lot of People Know That, Dec 4, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/12/02/fes-costings/>

Link to report: Analysing the costs of our Future Energy Scenarios

By Staff, The National Grid, ESO, Dec 1, 2020

<https://www.nationalgrideso.com/news/analysing-costs-our-future-energy-scenarios>

### ***Energy Issues – Australia***

## **Aussie Brown Coal to Clean Hydrogen Plant will Address Carbon Capture “Eventually”**

By Eric Worrall, WUWT, Dec 4, 2020

<https://wattsupwiththat.com/2020/12/04/aussie-brown-coal-to-clean-hydrogen-plant-will-address-carbon-capture-eventually/>

## ***Energy Issues -- US***

### **NERC: Pandemic, regional fuel shortages threaten winter grid operations in California, New England**

By Robert Walton, Utility Dive, Nov 23, 2020

<https://www.utilitydive.com/news/nerc-pandemic-regional-fuel-shortages-threaten-winter-grid-operations-in/589462/>

### **Get Ready for Nationwide Blackouts Under Biden**

By Jay Lehr & Tom Harris, Somewhat Reasonable, Dec 4, 2020

<https://blog.heartland.org/2020/12/get-ready-for-nationwide-blackouts-under-biden/>

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

### **Why Oil Won't “Go Gentle Into That Good Night”**

By Jude Clemente, Real Clear Energy, Nov 29, 2020

[https://www.realclearenergy.org/articles/2020/11/29/why\\_oil\\_wont\\_go\\_gentle\\_into\\_that\\_good\\_night\\_650896.html](https://www.realclearenergy.org/articles/2020/11/29/why_oil_wont_go_gentle_into_that_good_night_650896.html)

“The quiet reality is that, leaving transportation aside, there are over 6,000 everyday products made from oil.”

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

### **China's first domestically made nuclear reactor goes online**

By Staff Writers, Beijing (AFP), Nov 28, 2020

[https://www.spacedaily.com/reports/Chinas\\_first\\_domestically\\_made\\_nuclear\\_reactor\\_goes\\_online\\_999.html](https://www.spacedaily.com/reports/Chinas_first_domestically_made_nuclear_reactor_goes_online_999.html)

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

### **Germany's Enviro-Dystopia: Wind Parks Devastating Rural Regions At Catastrophic Proportions**

By P Gosselin, No Tricks Zone, Dec 1, 2020

<https://notrickszone.com/2020/12/01/germanys-enviro-dystopia-wind-parks-devastating-rural-regions-at-catastrophic-proportions/>

## **Recent Energy and Environmental News November 30, 2020**

By John Droz, The Australian Climate Sceptics Blog, Dec 1, 2020

<http://theclimatescepticsparty.blogspot.com/2020/12/recent-energy-and-environmental-news.html>

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

### **Hydrogen Powered Planes**

By Donn Dears, Power For USA, Dec 1, 2020

<https://ddears.com/2020/12/01/hydrogen-powered-planes/>

## **What is the real cost of green hydrogen?**

By Paul Homewood, Not a Lot of People Know That, Nov 28, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/11/28/what-is-the-real-cost-of-green-hydrogen/>

### **In-depth Q&A: Does the world need hydrogen to solve climate change?**

By Multiple Authors, Carbon Brief, Nov 30, 2020

[https://www.carbonbrief.org/in-depth-qa-does-the-world-need-hydrogen-to-solve-climate-change?utm\\_campaign=Carbon%20Brief%20Weekly%20Briefing&utm\\_content=20201204&utm\\_medium=email&utm\\_source=Revue%20newsletter](https://www.carbonbrief.org/in-depth-qa-does-the-world-need-hydrogen-to-solve-climate-change?utm_campaign=Carbon%20Brief%20Weekly%20Briefing&utm_content=20201204&utm_medium=email&utm_source=Revue%20newsletter)

Very long post.

### **Forward To The Past!**

By Paul Homewood, Not a Lot of People Know That, Nov 29, 2020

<https://notalotofpeopleknowthat.wordpress.com/2020/11/29/forward-to-the-past/>

“‘The problem that we have is that fossil fuels are still too damn cheap.’ – Lucy Gilliam”

“So, let’s get this straight. You would need more than 2000 of these wooden ships to replace one conventional container ship. And it would travel at a quarter of the speed.

“And for that, the BBC think it’s a good idea to cut down millions of trees!”

### ***Alternative, Green (“Clean”) Vehicles***

#### **UK's sole hydrogen car maker bets on green revolution**

By William Edwards with Veronique Dupont, Abergavenny, United Kingdom (AFP) Nov 28, 2020

[https://www.spacedaily.com/reports/UKs\\_ole\\_hydrogen\\_car\\_maker\\_bets\\_on\\_green\\_revolution\\_999.html](https://www.spacedaily.com/reports/UKs_ole_hydrogen_car_maker_bets_on_green_revolution_999.html)

#### **German Drives e-Motorhome 7500 Km To The Top Of Europe And Back – But Had To Charge 95 Times!**

By P Gosselin, No Tricks Zone, Dec 2, 2020

<https://notrickszone.com/2020/12/02/german-drives-e-motorhome-7500-km-to-the-top-of-europe-and-back-but-had-to-charge-95-times/>

“Average charging time: 90 mins

“2 hours charging for driving 1 hour”

“Although Eusterholz’s adventure may have been fascinating, it shows that cargo transport using e-cargo trucks are a long way off.”

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

#### **Who do you Trust? (Michael Mann and Climategate)**

By Robert Bradley Jr., Master Resource, Dec 1, 2020

<https://www.masterresource.org/climategate/michael-mann-climategate/>

### ***Other Scientific News***

#### **Space worms experiment reveals gravity affects genes**

By Staff Writers, Exeter UK (SPX) Nov 26, 2020

[https://www.spacedaily.com/reports/Space\\_worms\\_experiment\\_reveals\\_gravity\\_affects\\_genes\\_999.html](https://www.spacedaily.com/reports/Space_worms_experiment_reveals_gravity_affects_genes_999.html)

Link to paper: Comparative Transcriptomics Identifies Neuronal and Metabolic Adaptations to Hypergravity and Microgravity in *Caenorhabditis elegans*

By Craig R.G. Willis, et al. iScience, Nov 25, 2020

[https://www.cell.com/iscience/fulltext/S2589-0042\(20\)30931-7?\\_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS2589004220309317%3Fshowall%3Dtrue](https://www.cell.com/iscience/fulltext/S2589-0042(20)30931-7?_returnURL=https%3A%2F%2Flinkinghub.elsevier.com%2Fretrieve%2Fpii%2FS2589004220309317%3Fshowall%3Dtrue)

### ***Other News that May Be of Interest***

#### **Walter E. Williams 1936-2020**

By Thomas Sowell, Townhall, Dec 2, 2020

[https://townhall.com/columnists/thomassowell/2020/12/02/walter-e-williams-19362020-n2580965?mc\\_cid=71ec5b22cb&mc\\_eid=f45f72e7d7](https://townhall.com/columnists/thomassowell/2020/12/02/walter-e-williams-19362020-n2580965?mc_cid=71ec5b22cb&mc_eid=f45f72e7d7)

#### **Dr. Walter E. Williams, R.I.P**

By Joseph Bast, The Heartland Institute, Dec 2, 2020

<https://www.heartland.org/news-opinion/news/dr-walter-e-williams-rip>

#### **What I Learned From My Brush With Trump**

Journalists should never again allow someone to create an alternative reality in order to seize the presidency.

By Jorge Ramos, NYT, Dec 4, 2020

[https://www.nytimes.com/2020/12/04/opinion/international-world/trump-ramos-authoritarianism-media.html?campaign\\_id=2&emc=edit\\_th\\_20201205&instance\\_id=24754&nl=todaysheadlines&regi\\_id=59831859&segment\\_id=46166&user\\_id=600713400c5e414103c69dc935baaf47](https://www.nytimes.com/2020/12/04/opinion/international-world/trump-ramos-authoritarianism-media.html?campaign_id=2&emc=edit_th_20201205&instance_id=24754&nl=todaysheadlines&regi_id=59831859&segment_id=46166&user_id=600713400c5e414103c69dc935baaf47)

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## **BELOW THE BOTTOM LINE**

#### **Send a greenboat**

By John Robson, Climate Discussion Nexus, Dec 2, 2020

<https://climatediscussionnexus.com/2020/12/02/send-a-greenboat/>

*[SEPP Comment: Not a gunboat?]*

#### **Prince Harry Makes Climate Plea; ‘What If Every One of Us Was a Raindrop.]**

By Simon Kent, Breitbart, Dec 1, 2020

<https://www.breitbart.com/environment/2020/12/01/prince-harry-makes-climate-plea-what-if-every-one-of-us-was-a-raindrop/>

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## **ARTICLES**

#### **Weather-Upending La Niña Is a Headache for Farmers Around the World**

Characterized by cooler-than-normal waters in the Pacific, it causes dry conditions in some parts of the globe, heavy rains in others

By Lucy Craymer, WSJ, Dec 4, 2020

[https://www.wsj.com/articles/weather-upending-la-nina-is-a-headache-for-farmers-around-the-world-11607077803?mod=hp\\_lead\\_pos12](https://www.wsj.com/articles/weather-upending-la-nina-is-a-headache-for-farmers-around-the-world-11607077803?mod=hp_lead_pos12)

**TWTW Summary:** The journalist writes:

*“La Niña is shaking up agriculture in an already-tumultuous year for commodity markets.*

*“The natural weather phenomenon, known as the cool sister of the better-known El Niño, occurs every few years. It is characterized by cooler-than-normal waters in the Pacific Ocean, causing dry weather in some parts of the globe and heavy rainfall in others.*

*“Past La Niñas have created significant market volatility and raised prices for many foods, and the current edition is already pushing up prices of crops such as corn and reducing supplies of pineapples and mangos. This event has the potential to last till the Northern Hemisphere spring, according to government forecasters in the U.S., Japan and Australia who monitor sea conditions.*

*“So far, dry conditions have been reported in Brazil, Argentina, and parts of the U.S., and bouts of excessive rain in Australia and parts of Southeast Asia.*

*“‘La Niña 2020 has evolved quicker and with stronger intensity than many leading climate models predicted,’ analysts from J.P. Morgan said in November, calling the phenomenon the ‘primary supply-side wild card’ for agricultural markets going into 2021.*

*“Prices of some U.S. crops have climbed this year, thanks in part to increased demand from China and a pandemic fueled baking craze. Futures prices for soybeans, corn and hard red winter wheat—the kind used in bread—have risen by as much as a third since a rally began on Aug. 10.*

*“As well as affecting prices, volatile weather could interfere with farmers’ ability to harvest and sell their crops. Australian farmer Mark Swift, now harvesting one of the best winter crops he has ever had, is hoping there won’t be much more rain in the coming weeks.*

*“‘We expect some rain but La Niña can turn it right on. It’s either Garden of Eden or Mordor,’ said Mr. Swift, referring to a grim realm in ‘The Lord of the Rings.’ ‘At the moment it’s Garden of Eden, so I’m wondering when Mordor is on its way back.’ La Niña also comes with the risk of increased hail and wind that, like the rain, could hurt the quality of his canola and wheat.*

*“Australian winter wheat production is expected to more than double in the current season, according to government data, following a widespread, yearslong drought. But heavy rains before harvest could reduce the quality and the amount of wheat produced.*

*“Even if production meets forecasts, it might not make up for declines in wheat output that could hit parts of South America, the Black Sea region and the southern U.S. unless they get rain soon. The regions are going through dry spells, and grain prices are facing upward pressure as a result.*

*“The last La Niña formed in November 2017 and lasted till April 2018. The biggest recent La Niña impact on the global food market came when one developed in July 2010, lasted through May 2011, and was followed by another later that year. The United Nations Food and Agriculture food price index—which includes globally traded commodities including meat, grains and dairy—hit a record high in 2011.*

*“In November, that index was near a six-year high.*

*“La Niña can lift prices for specialty products as well as widely traded global commodities, according to market-intelligence firm Tridge. Unseasonably heavy rain in Costa Rica has hurt*

*pineapple production, it says, though U.S. restaurant closures during the pandemic has reduced demand and held down prices.”*

The article concludes with discussing specific specialty products.