

The Week That Was: 2021-06-12 (June 12, 2021)

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The Science and Environmental Policy Project

Quote of the Week: “There are but two ways of forming an opinion in science. One is the scientific method; the other, the scholastic. One can judge from experiment, or one can blindly accept authority. To the scientific mind, experimental proof is all important, and theory merely a convenience in description, to be junked when it no longer fits. To the academic mind, authority is everything and facts are junked when they do not fit theory laid down by authority” – Robert A. Heinlein, Aeronautical Engineer and Science Fiction Writer (1907-1988) [H/t Kip Hansen]

Number of the Week: – 0, Zero

THIS WEEK:

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

Identical Mistakes: Those who taught mathematics or statistics before the wide-spread use of electronic calculators often recognized there was a problem with copying or cheating in tests or homework if several papers had identical mistakes in calculations. In a similar fashion, Steve Koonin recognized a pattern in an article published in *Scientific American*, signed by 12 co-authors, members of the carbon cult. The article made three false assertions about scientific facts in Koonin’s book **Unsettled: What Climate Science Tells Us, What It Doesn’t, and Why It Matters**. The facts pertain to 1) temperatures in the 2017 US National Climate Assessment; 2) hurricanes in the same report; and 3) constant sea level rise. The errors appeared in an earlier column by Marc Thiessen published in the *Washington Post*. It is clear that the 12 co-authors had not bothered to check the book to see whether the assertions in the column were correct.

Also, it is clear that the editors of *Scientific American* did not bother to check the book to see whether the assertions in the column were correct. Such is the status of peer review at *Scientific American*. Worse, the editors of *Scientific American* rejected a rebuttal by Steve Koonin. This demonstrates how far certain journals claiming to be scientific have drifted from the scientific method. “Don’t bother to correct mistakes” instead of rigorously checking all hypotheses against all relevant data and making corrections when necessary. Anthony Watts posted the rejected rebuttal on WUWT, which Ken Haapala received as well. See links under Challenging the Orthodoxy and Defending the Orthodoxy.

A Red Team Review: In his book, Koonin does not wish to abandon the process of the UN Intergovernmental Panel for Climate Change (IPCC) but correct its deficiencies. He proposes a Red Team / Blue Team review of assessment reports before they are published. Koonin writes:

“In such an exercise, a group of scientists (the ‘Red Team’) would be charged with rigorously questioning one of the assessment reports, trying to identify and evaluate its weak spots. In essence, a qualified adversarial group would be asked ‘What’s wrong with this argument?’ And, of course, the ‘Blue Team’ (presumably the report’s authors) would have the opportunity to rebut the Red Team’s findings. Red Team exercises are commonly used to inform high-consequence decisions such as testing national intelligence findings or validating complex engineering projects like aircraft or spacecraft; they’re also common in cybersecurity. Red Teams catch errors or gaps, identify blind spots, and often help to avoid catastrophic failures. In essence, they’re an important

part of a prudent, belt-and-suspenders approach to decision-making. (Note that the use of ‘Red’ and ‘Blue’ is traditional in the military, where these exercises originated; it has nothing to do with US politics.)

“A Red Team review of a climate assessment report could bolster confidence in the assessment, as well as demonstrate the robustness (or lack thereof) of its conclusions. It would both underscore the reliability of the science that stands up to its scrutiny and highlight for non-experts’ uncertainties or ‘inconvenient’ points that had been obscured or downplayed. In short, it would improve and bolster The Science with science.

“Of course, both the UN’s IPCC and the US government claim that their respective assessment reports are authoritative because they’re already subject to rigorous peer review before publication. So why call for yet another level of review? The most direct answer is that—as the previous chapters of this book have highlighted—these reports have some egregious failures. And an important reason for those failures is the way the reports are reviewed. Let me explain.

*“Science is a body of knowledge that grows by testing, one step building on the next. If each step is solid, researchers can get to some amazing places pretty quickly, like rapid vaccine development or modern information technology. To know that a researcher has produced a sound new piece of knowledge, other researchers scrutinize, and often challenge, results from experiments or observations, or formulate new models and theories. **Have the measurements been done properly? Were there adequate controls on the experiments? Are the results consistent with prior understanding? What are the reasons for an unexpected result?** Satisfactory answers to questions like those are the hurdle for accepting new results into the ever-growing body of scientific knowledge. [Boldface was italics in original*

“The peer review of scientific journals is one mechanism for scrutinizing and challenging new research results. In that process, individual independent experts analyze and criticize a draft paper describing the results; the authors’ responses to those criticisms are adjudicated by a third-party referee, who will then recommend publication (or not) to the journal’s editor or suggest how the paper should be revised.”

After a discussion of peer review, Koonin writes:

*“But an assessment report is not a research article—in fact, it’s a very different sort of document with a very different purpose. Journal papers are focused presentations written by experts for experts. **In contrast, assessment authors must judge the validity and importance of many diverse research papers, and then synthesize them into a set of high-level statements meant to inform non-experts. So, an assessment report’s ‘story’ really matters, as does the language used to tell it—especially for something as important as climate.** [Boldface added.]*

“The processes for drafting and reviewing the climate science assessment reports do not promote objectivity. Government officials from scientific and environmental agencies (who might themselves have a point of view) nominate or choose the authors, who are not subject to conflict of interest constraints. That is, an author might work for a fossil fuel company or for an NGO promoting ‘climate action.’ This increases the chances of persuasion being favored over information.

*“A large group of volunteer expert reviewers (including, for the National Climate Assessment, a group convened by the National Academies) reviews the draft. But unlike the peer review of research papers, disagreements among reviewers and lead authors are not resolved by an independent referee; the lead author can choose to reject a criticism simply by saying ‘We disagree.’ The final versions of assessments are then subject to government approval (through an interagency process for the US government and often-contentious meetings of experts and politicians for the IPCC). **And—a very key point—the IPCC’s ‘Summaries for Policymakers’ are heavily influenced, if not written, by governments that have interests in promoting particular policies. In short, there are many opportunities to corrupt the objectivity of the process and product.**” [Boldface added]*

Chapter 11, “Fixing the Broken Science.” Koonin, Steven E. **Unsettled** (pp. 197-199). BenBella Books, Inc. Kindle Edition.

In the view of TWTW, these statements come from someone who cares for the system and wishes to make it work properly, not a politically motivated person who purely wishes to eliminate it. Koonin presented his ideas in early February 2017 at the Fourth Santa Fe Conference on Global and Regional Climate Change, where it received a favorable reaction. He writes that subsequently reactions changed.

“The inaugural March for Science was to take place on April 22 (Earth Day), 2017, with rallies and marches in six hundred cities around the world. Since one of the march’s goals was to call for evidence-based policy in the public’s best interest, I thought it would be a good moment to make an important point about climate science and how it’s communicated to non-experts. The moment seemed especially opportune since a major US government assessment (the first part of NCA2018, the Climate Science Special Report or CSSR) was scheduled to be released in the fall.

*“Two days before the March for Science, the **Wall Street Journal** published an opinion piece in which I advocated for a Red Team review of climate science assessments. I used NCA2014’s misleadingly alarming description of hurricane data to illustrate the need for such a review and outlined how it could be carried out.*

“My opinion piece drew almost 750 online comments from readers, the great majority of them supportive. Some in the Trump administration also took notice and given the administration’s reluctance to publicly accept even the basics of climate understanding, their interest in a climate science Red Team engendered some very strong objections to the proposal. Most prominent were pieces published in late July 2017 by John Holdren (the Obama administration’s science adviser who had been the sponsor of the CSSR), and one published the following week by Eric Davidson (president of the American Geophysical Union) and Marcia McNutt (president of the National Academy of Sciences). Their essential point was that a Red Team exercise was superfluous since climate research, and the assessment reports, were already peer reviewed. As Davidson and McNutt put it, . . .

‘if the idea is to have the red team poke holes in the mainstream scientific community’s (the blue team) consensus on climate change, it discounts that such challenges have already been applied thousands of times while that consensus was gradually developed.’

“Holdren’s language was more pointed:

'Some proponents may believe, naively, that such a rag-tag process could unearth flaws in mainstream climate science that the rigorous, decades-long scrutiny of the global climate-science community, through multiple layers of formal and informal expert peer review, has somehow missed.'

"It's telling that neither article addressed the NCA2014 misrepresentation of hurricane data that I had highlighted nor explained how it had survived the 'decades-long scrutiny' of 'multiple layers of formal and informal expert peer review.' That's especially disappointing since we scientists are trained to focus on specifics. Instead, the opinion pieces offered only vague and anodyne assurances of the rigor with which the reports are written and reviewed. Of course, as I've already noted, while the research contained in them might indeed be subject to the type of peer review the public expects of scientific findings, the reports' summaries and conclusions are not, and the hurricane example was only one of many report errors and misrepresentations, some of which I've described in this book's earlier chapters."

Koonin, Steven E. **Unsettled** (pp. 200-202). BenBella Books, Inc. Kindle Edition. [References were deleted.]

TWTW will leave it to its readers as to who is politicizing climate science. Koonin has written an important book discussing the deficiencies in the IPCC process and how to improve the process so that it may more closely conform to the high standards of the scientific method as explained by his teacher, Richard Feynman. He has provided an important part of a Red Team Review. See links under Challenging the Orthodoxy.

Spencer's Rebuttal: The May 29 TWTW linked to a paper by Benjamin Santer with eleven co-authors comparing atmospheric temperature changes in satellite data with model ensembles of the UN IPCC Coupled Model Intercomparison Project (CMIP5 and CMIP6). The abstract concludes:

***If model expectations of these four covariance relationships are realistic, our findings reflect either a systematic low bias in satellite tropospheric temperature trends or an overestimate of the observed atmospheric moistening signal. It is currently difficult to determine which interpretation is more credible.** Nevertheless, our analysis reveals anomalous covariance behavior in several observational data sets and illustrates the diagnostic power of simultaneously considering multiple complementary variables.* [Boldface added]

This is a false dilemma because it assumes the models present a realistic interpretation of what is occurring in the atmosphere. They do not. The atmospheric temperature trends taken by satellites are independently confirmed by 4 sets of measurements by weather balloons and by 4 sets of weather re-analysis data. Since the 1979 Charney Report, modelers have been claiming that increases in temperatures from CO2 will cause dramatic increases in water vapor causing significant warming. This is not occurring, and the modelers are becoming desperate.

On his blog, Roy Spencer writes a more complete explanation of what is wrong with the Santer paper. The executive summary states:

"Executive Summary

"A new paper by Santer et al. in Journal of Climate shows that observed trends during 1988-2019 in sea surface temperature [SST], tropospheric temperature [TLT and TMT], and total tropospheric water vapor [TWV] are generally inconsistent, by varying amounts, with climate

model trends over the same period. The study uses ratios between observed trends in these variables to explore how well the ratios match model expectations, with the presumption that the models provide 'truth' in such comparisons. Special emphasis is placed on the inconsistency between TWV moistening rates and the satellite tropospheric temperature warming rates: the total water vapor has risen faster than one would expect for the weak rate of satellite-observed tropospheric warming (but both are still less than the average climate model trends in either CMIP5 or CMIP6).

“While the paper itself does not single out the tropospheric temperatures as being in error, widespread reporting of the paper used the same biased headline, for instance this from DailyMail.com: ‘Satellites may have been underestimating the planet’s warming for decades’. The reporting largely ignored the bulk of what was in the paper, which was much less critical of the satellite temperature trends, and which should have been more newsworthy. For example: (1) SST warming is shown in the paper to be well below climate model expectations from both CMIP5 and CMIP6, which one might expect could have been a major conclusion; (2) the possibility that the satellite-based TWV is rising too rapidly (admitted in the paper, and addressed below), and especially (3) the possibility that TWV is not a good proxy anyway for mid- and upper-tropospheric warming (discussed below). [That stated “discussed below” is in the text but not in this summary.]

“As others have shown, free-tropospheric vapor (not well captured by TWV) would be the proper proxy for free-tropospheric warming, and the fact that climate models maintain constant relative humidity with altitude during warming is not based upon basic physical processes (as the authors imply), but instead upon arbitrary moistening assumptions implicit in model convective parameterizations. Observational evidence is shown that free-tropospheric humidity does not increase with tropospheric temperature as much as in the GFDL [Geophysical Fluid Dynamics Laboratory, partially funded by NOAA] climate model. Thus, weak tropospheric warming measured by satellites could be evidence of weak water vapor feedback in the free troposphere, which in turn could explain the weaker than (model) expected surface warming. A potential reason for a high bias in TWV trends is also addressed, which is consistent with the other variables’ trend behavior.”

Spencer goes on to show that there is nothing new in the paper *“that would cast doubt on the modest nature of tropospheric warming trends from satellites — unless one believes climate models as proof, in which case we don’t need observations anyway.”*

In the comments section of the post, Roger Pielke Sr. linked to earlier papers with evidence that questioned the assumption by modelers that rising temperatures from CO₂ (or whatever cause) will cause significant increases in water vapor. Without this assumed strong positive feedback in the models it is unlikely that any warming from CO₂ would be considered dangerous. See links under Challenging the Orthodoxy.

Academic Science v. Scientific Method: On her website Climate Etc, Judith Curry, a former academic, posted two essays suggesting academic social sciences may be abandoning the scientific method and are becoming highly politicized. An essay by Patrick Michaels discusses a study by Eric Kaufmann of the University of London produced by a small think tank, California’s Center for the Study of Partisanship and Ideology. Michaels writes:

“In the academy the free interchange of competing ideas creates knowledge through cooperation, disagreement, debate, and dissent. Kaufmann’s landmark study proves that the last three in that list are severely suppressed and punished. The pervasiveness of such repression may be a death sentence for science, free inquiry, and the advancement of knowledge in our universities.

I am led to that dire conclusion because the universities appear to have no way to prevent this fate. No solution can arise from within the academy because it selects its own lifetime faculty, which is largely left wing—increasingly so—and makes the promotion of dissenters highly unlikely. Kaufmann demonstrates profoundly systemic discrimination by leftist faculty against colleagues they find disagreeable.

In an essay discussing an October 2018 conference on Anthropogenic (human-caused) Global Warming (AGW), Geoffrey Weiss and Claude Roessiger expressed surprise at how polarized the conference was in particular the reaction of local university scientists to it. They write:

*“In addressing why academic scientists spurned the conference, we might begin by considering how scientific truth differs from faith—in this case, faith in the AGW consensus. We sought the insights of a scholar of philosophy to guide our thesis. Generally speaking, faith leads from theory to a search for evidence, whereas scientific truth derives from empirical evidence that defines a theory. The distinction suggests philosophy’s query: What is truth? Rather than conflating truth and majority opinion, science pursues a measured truth that, at least for a time, can meet the rigorous test of the scientific method. If we seek any form of absolute truth, we shall find it only in faith—and not in empirical science. As the philosopher Karl Popper suggested in ***The Logic of Scientific Discovery*** (1959), a theory that cannot be falsified is faith, not science.’* [Boldface italics in original.]

As the Quote of the Week states, there may be two views of science. One academic (scholastic), the other based on the scientific method. Paul Homewood posted a brief video of ecologist Allen Savory expressing a similar view on academic peer review and on breakthroughs in science. See links under Seeking a Common Ground.

14th ICCC: The 14th International Conference on Climate Change presented by The Heartland Institute will be October 15 to 17, 2021, at Caesars Palace in Las Vegas. See <https://climateconference.heartland.org/>

SEPP’S APRIL FOOLS AWARD THE JACKSON

SEPP is conducting its annual vote for the recipient of the coveted trophy, The Jackson, a lump of coal. Readers are asked to nominate and vote for who they think is most deserving, following these criteria:

- The nominee has advanced, or proposes to advance, significant expansion of governmental power, regulation, or control over the public or significant sections of the general economy.
- The nominee does so by declaring such measures are necessary to protect public health, welfare, or the environment.
- The nominee declares that physical science supports such measures.
- The physical science supporting the measures is flimsy at best, and possibly non-existent.

The past recipients, Lisa Jackson, Barrack Obama, John Kerry, Ernest Moniz, Michael Mann, Christiana Figueres, Jerry Brown, AOC, and Neil Ferguson are not eligible. Generally, the committee that makes the selection prefers a candidate with a national or international presence. The voting will close on July 31. Please send your nominee and a brief reason why the person is qualified for the honor to Ken@SEPP.org. Thank you. For a list of past recipients and their accomplishments in earning this honor see <http://www.sepp.org/april-fools-award.cfm>

Number of the Week: – 0, Zero. Since 2007, NOAA has been classifying tornadoes by the Enhanced Fujita Scale. An EF Number of 3 or greater has an estimated 3-second wind gust of at least 136 mph (219 kph, 61 m/s) resulting in uprooted trees and walls torn off of traditional homes (mobile homes are more easily damaged with lower wind speeds of a EF-2 tornado).

Traditionally in the US, May is the most dangerous month for tornadoes. 2021 was the first year since record-keeping began in 1950 in which no EF-3 storms, or greater, were reported. No doubt some in the media will claim that a big storm must have hit a cornfield somewhere. But this is like fish stories of the big one that got away. Given the popularity of storm chasing in the US, highly unlikely. See links under Changing Weather.

NEWS YOU CAN USE:

Commentary: Is the Sun Rising?

Magnitude Of Recent Surface Solar Radiation Forcing Over US Is Tens Of Times Greater Than From CO2

By Kenneth Richard, No Tricks Zone, June 7, 2021

<https://notrickszone.com/2021/06/07/magnitude-of-recent-surface-solar-radiation-forcing-over-us-is-tens-of-times-greater-than-from-co2/>

Link to US paper: Variability of Surface Radiation Budget Components Over the U.S. From 1996 to 2019—Has Brightening Ceased?

By John A. Augustine and Gary B. Hodges, JGR Atmospheres, Mar 20, 2021

<https://agupubs.onlinelibrary.wiley.com/doi/full/10.1029/2020JD033590>

Back to Basics

By Donn Dears, Power For USA, June 4, 2021

<https://ddears.com/2021/06/04/back-to-basics/>

Climategate Continued

BBC – Twelve Years Of Covering Up Climategate

By Tony Heller, His Blog, June 10, 2021

<https://realclimatescience.com/2021/06/bbc-twelve-years-of-covering-up-climategate/>

Censorship

Facebook goes after Koonin

By John Robson, Climate Discussion Nexus, June 2, 2021

<https://climatediscussionnexus.com/2021/06/02/facebook-goes-after-koonin/>

Dare you to post it on Facebook

By John Robson, Climate Discussion Nexus, June 9, 2021

<https://climatediscussionnexus.com/2021/06/09/dare-you-to-post-it-on-facebook-8/>

John Stossel Pushes Back Against FB Censorship

By Charles Rotter, Video, WUWT, June 8, 2021

<https://wattsupwiththat.com/2021/06/08/john-stossel-pushes-back-against-fb-censorship/>

NoTricksZone Twitter Account Sent To The Gulag...Dissent, Criticism Of Authorities Unwelcome

By P Gosselin, No Tricks Zone, June 5, 2021

<https://notrickszone.com/2021/06/05/notrickszone-twitter-account-sent-to-social-media-gulag-dissent-unwelcome/>

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

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

Challenging the Orthodoxy

Unsettled: What Climate Science Tells Us, What It Doesn't, and Why It Matters

By Steven E. Koonin, BenBella Books, May 4, 2021

<https://www.amazon.com/Unsettled-Climate-Science-Doesnt-Matters-ebook/dp/B08JQKQGD5/>

[TWTW used the Kindle version, the Hardcover was sold out.]

Biased Media Reporting on the New Santer et al. Study Regarding Satellite Tropospheric Temperature Trends

By Roy Spencer, His Blog, June 9, 2021

<http://www.drroyspencer.com/2021/06/biased-media-reporting-on-the-new-santer-et-al-study-regarding-satellite-tropospheric-temperature-trends/>

Link to paper: Using Climate Model Simulations to Constrain Observations

By Benjamin D. Santer, et al. Journal of Climate, May 20, 2021

<https://journals.ametsoc.org/view/journals/clim/aop/JCLI-D-20-0768.1/JCLI-D-20-0768.1.xml>

Gas of Life; The EPA Disappears More Inconvenient Climate Data, Including 1930s U.S. Dust Bowl

CO2 not Pollution but the Gas of Life

By Joseph D'Aleo, CCM, ICECAP, June 4, 2021

http://icecap.us/index.php/go/new-and-cool/co2_gas_of_life_and_the_real_temperature_story1/

Oreskes and the climate gang penned a smear in Scientific American @sciam refuses to print response by Koonin

By Anthony Watts, WUWT, June 3, 2021

<https://wattsupwiththat.com/2021/06/03/oreskes-and-the-climate-gang-penned-a-smear-in-scientific-american-sciam-refuses-to-print-response-by-koonin/>

Steve Koonin responds to an article in SciAm

By Lubos Motl, The Reference Frame, June 3, 2021

<https://motls.blogspot.com/2021/06/steve-koonin-responds-to-article-in.html#more>

Koonin gets it

By John Robson, Climate Discussion Nexus, June 9, 2021

<https://climatediscussionnexus.com/2021/06/09/koonin-gets-it/>

No sign of a climate emergency

Press Release, GWPF, May 29, 2021

<https://www.thegwpf.com/no-sign-of-a-climate-emergency/>

Link to report: The State of the Climate: 2020

By Ole Humlum, GWPF, 2021

<https://www.thegwpf.org/content/uploads/2021/05/State-of-the-Climate-2020.pdf>

Memory Holes Are Greatly Improved

By Sam Kazman, Real Clear Energy, June 08, 2021

https://www.realclearenergy.org/articles/2021/06/08/memory_holes_are_greatly_improved_780440.html

“When George Orwell first introduced memory holes in his novel 1984, published 72 years ago today, these machines for erasing the past were filthy incinerators in the bowels of ominous government ministries.”

UN Climate Message: “We are rapidly reaching the point of no return”

By Eric Worrall, WUWT, June 5, 2021

<https://wattsupwiththat.com/2021/06/05/un-climate-message-we-are-rapidly-reaching-the-point-of-no-return/>

Defending the Orthodoxy

That ‘Obama Scientist’ Climate Skeptic You’ve Been Hearing About ...

His track record on getting climate science right is extremely poor

By Naomi Oreskes, Michael E. Mann, Gernot Wagner, Don Wuebbles, Andrew Dessler, Andrea Dutton, Geoffrey Supran, Matthew Huber, Thomas Lovejoy, Ilissa Ocko, Peter C. Frumhoff, Joel Clement. Scientific American, June 1, 2021 [H/t William Happer]

<https://www.scientificamerican.com/article/that-obama-scientist-climate-skeptic-youve-been-hearing-about/>

Global warming already responsible for one in three heat-related deaths

New estimates suggest Central and South America and South-East Asia most affected regions
Press Release, London School of Hygiene & Tropical Medicine, May 31, 2021 [H/t Bernie Kepshire]

<https://www.sciencedaily.com/releases/2021/05/210531120932.htm>

Link to paper: The burden of heat-related mortality attributable to recent human-induced climate change

By A. M. Vicedo-Cabrera, et al. Nature Climate Change, May 31, 2021

<https://www.nature.com/articles/s41558-021-01058-x>

[SEPP Comment: Since it is claimed that humans are causing recent warming, without physical evidence, any deaths from recent warming must be human caused! The human species which evolved in the tropics cannot tolerate heat? The article does not give temperature data showing by how much the tropics have warmed.]

G7 summit: Broken promises of rich nations casts shadow over climate deal, says UN chief António Guterres

By Daily Briefing Staff, Carbon Brief, June 10, 2021

https://www.carbonbrief.org/daily-brief/g7-summit-broken-promises-of-rich-nations-casts-shadow-over-climate-deal-says-un-chief-antonio-guterres?utm_campaign=Carbon%20Brief%20Weekly%20Briefing&utm_content=20210611&utm_medium=email&utm_source=Revue%20Weekly

“UN secretary general António Guterres has criticised the G7 group of major economies for their part in the failure to meet a \$100bn target for international climate finance by 2020, in comments to the Times.”

[SEPP Comment: Send \$100 Billion in cash quick!]

New Zealand Climate Commission Report Recommends Fewer Cars, More Electric, Fewer Cows

By Eric Worrall, WUWT, June 9, 2021

<https://wattsupwiththat.com/2021/06/09/new-zealand-climate-commission-report-recommends-fewer-cars-more-electric-fewer-cows/>

Antarctica wasn't quite as cold during the last ice age as previously thought

Press Release, Oregon State University, June 3, 2021 [H/t WUWT]

https://www.eurekaalert.org/pub_releases/2021-06/osu-awq060221.php

Link to paper: Antarctic surface temperature and elevation during the Last Glacial Maximum

By Christo Buizert, et al. AAAS Science, June 4, 2021

<https://science.sciencemag.org/content/372/6546/1097>

“Buizert et al. used borehole thermometry, firn density reconstructions, and **climate modeling** to show that the temperature in East Antarctica was actually only ~4° to 7°C cooler during the Last Glacial Maximum. This result has important consequences for our understanding of Antarctic climate, polar amplification, and global climate change.”

[SEPP Comment: Seeking to demonstrate what is assumed? Boldface added.]

Defending the Orthodoxy – Bandwagon Science

Heat stress in U.S. may double by century's end

Areas with increasing populations at higher risk

Press Release, NSF, June 7, 2021

https://www.nsf.gov/discoveries/disc_summ.jsp?cntn_id=302847&WT.mc_id=USNSF_1

Link to paper: Anthropogenic Warming and Population Growth May Double US Heat Stress by the Late 21st Century

By Sourav Mukherjee, Ashok Kumar Mishra, Michael E. Mann, Colin Raymond, Earth's Future, April 26, 2021

<https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2020EF001886>

From abstract: “Using observations, climate projections from the CMIP5 model ensemble, and historical and future population estimates, we apply the IPCC risk framework to examine present and projected future potential impact (PI) of summer heat stress for the contiguous United States (CONUS) as a function of non-stationary HS characteristics and population exposure”

[SEPP Comment: In the US, people are moving south to die early?]

Heat related deaths since 1991 propaganda study just alarmist climate science incompetence

By Larry Hamlin, WUWT, June 5, 2021

<https://wattsupwiththat.com/2021/06/05/heat-related-deaths-since-1991-propaganda-study-just-alarmist-climate-science-incompetence/>

Questioning the Orthodoxy

Language Corrupting Thought (Part 2)

By Tony Heller, His Blog, June 9, 2021

<https://realclimatescience.com/2021/06/language-corrupting-thought-part-2/>

Cold climate droughts

The Economic Costs Of Climate Change–Swiss Re

By Paul Homewood, Not a Lot of People Know That, June 10, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/10/the-economic-costs-of-climate-change-swiss-re/>

The Forest Prime-Evil

By Willis Eschenbach, WUWT, June 7, 2021

<https://wattsupwiththat.com/2021/06/07/the-forest-prime-evil/>

Change in US Administrations

Biden warns climate change is 'greatest threat' to US security: 'This is not a joke'

The president said he would speak to key European allies about a unified approach to combating climate change

By |Thomas Barrabi, Fox News, June 9, 2021 [H/t William Readdy]

[Biden warns climate change is 'greatest threat' to US security: 'This is not a joke' | Fox News](#)

[SEPP Comment: *Where do we deploy the troops to fight nature?*]

Lies, Damned Lies, And Biden Fire Statistics

By Tony Heller, His Blog, June 6, 2021

https://www.youtube.com/watch?v=raR_IkUD7is

[SEPP Comment: *Video. Hiding decades of data!*]

Russia Laughing All The Way To The Bank!

By Paul Homewood, Not a Lot of People Know That, June 2, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/02/russia-laughing-all-the-way-to-the-bank/>

“As Dan Foster put it, ‘Killing energy jobs in Oklahoma and creating them in St. Petersburg is so comically inept and villainous you could never even try it without the entire press in your back pocket.’”

Climate Order Will Undermine U.S. Financial Stability

By Peter Murphy, Real Clear Energy, June 03, 2021

https://www.realclearenergy.org/articles/2021/06/03/climate_order_will_undermine_us_financial_stability_779957.html

Joe Biden’s Climate Plan Will Make Us Even More Dependent on China

By Steve Milloy, Real Clear Energy, June 02, 2021

https://www.realclearenergy.org/articles/2021/06/02/joe_bidens_climate_plan_will_make_us_even_more_dependent_on_china_779801.html

Joe Biden’s energy gift to dictators

China, Russia and Iran will exploit the U.S. retreat on fossil fuels.

Editorial, WSJ, Via GWPF, June 10, 2021

<https://www.thegwpf.com/joe-bidens-energy-gift-to-dictators/>

Social Benefits of Carbon Dioxide

Social Cost (Benefit) of Carbon Dioxide from FUND with Corrected Temperatures, Energy and CO2 Fertilization

By Ken Gregory, P.Eng., WUWT, May 26, 2021

<https://wattsupwiththat.com/2021/05/29/social-cost-benefit-of-carbon-dioxide-from-fund-with-corrected-temperatures-energy-and-co2-fertilization/>

Problems in the Orthodoxy

More money than brains

By John Robson, Climate Discussion Nexus, June 2, 2021

<https://climatediscussionnexus.com/2021/06/02/more-money-than-brains/>

India, Australia, China, Russia pushing ‘massive’ coal expansion

They are collectively responsible for 77% of new mining activity.

By Staff, Economic Times of India, June 5, 2021

<https://energy.economictimes.indiatimes.com/news/coal/india-australia-china-russia-pushing-massive-coal-expansion/83248723>

Russia bets big on coal, gas, fossil fuels, and not on renewables

By Jo Nova, Her Blog, June 3, 2021

<https://joannenova.com.au/2021/06/russia-bets-big-on-coal-gas-fossil-fuels-and-not-on-renewables/>

China, India, US & EU spur rebounding global CO2 emissions

By Staff, E & E News, Via GWPF, June 4, 2021

<https://www.thegwpf.com/china-india-us-spur-rebounding-global-co2-output/>

Building back blacker, China drives rise in coal-fired power plants

By Staff, The Daily Telegraph, Via GWPF, June 2, 2021

<https://www.thegwpf.com/building-back-blacker-china-drives-rise-in-coal-fired-power-plants/>

Seeking a Common Ground

Death spiral of American academia

By Patrick Michaels, Climate etc. June 9, 2021

<https://judithcurry.com/2021/06/09/death-spiral-of-american-academia/#more-27684>

Truth or consequences: global warming consensus thinking and the decline of public debate

By Geoffrey Weiss and Claude Roessiger. Climate Etc. June 1, 2021

<https://judithcurry.com/2021/06/01/truth-or-consequences-global-warming-consensus-thinking-and-the-decline-of-public-debate/#comments>

Book Review: Bill Gates' How to Avoid a Climate Disaster

By David Legates, Washington Times, Via Independent Institute, June 9, 2021

<https://www.independent.org/news/article.asp?id=13608&omhide=true>

Allen Savory Exposes Consensus Science

By Paul Homewood, Not a Lot of People Know That, June 3, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/03/allen-savory-exposes-consensus-science/>

A few common bacteria account for majority of carbon use in soil

Press Release, Northern Arizona University, June 7, 2021

https://www.eurekalert.org/pub_releases/2021-06/nau-afc060421.php

Science, Policy, and Evidence

The Covid lab leak theory is looking increasingly plausible

By Matt Ridley, Rational Optimist, May 29, 2021

<https://www.rationaloptimist.com/blog/the-covid-lab-leak-theory-is-looking-increasingly-plausible/>

Climate and Covid: beware of Experts Selling 'Settled Science'

By Larry Bell, America Out Loud, June 7, 2021

https://americaoutloud.com/climate-and-covid-beware-of-experts-selling-settled-science/page/10/?utm_source=rss&utm_medium=rss&utm_campaign=climate-and-covid-beware-of-experts-selling-settled-science&et_blog

Review of Recent Scientific Articles by CO2 Science

The Response of Seven African and Ten Asian Rice Genotypes to Atmospheric CO2 Enrichment

Masuya, Y., Kumagai, E., Matsunami, M. and Shimono, H. 2021. Dry matter partitioning to leaves differentiates African and Asian rice genotypes exposed to elevated CO2. *Journal of Agronomy and Crop Science* 207: 120-027, doi: 10.1111/jac.12445. June 2, 2021

<http://www.co2science.org/articles/V24/jun/a1.php>

Plant Growth Database

By CO2 Science, Accessed June 11, 2021

http://www.co2science.org/data/plant_growth/plantgrowth.php

“In this section of our web site we maintain an ever-expanding archive of the results of peer-reviewed scientific studies that report the growth responses of plants to atmospheric CO2 enrichment. Results are tabulated according to two types of growth response (Dry Weight [Biomass] and Photosynthesis [Net CO2 Exchange Rate])’.

Models v. Observations

Climate models fail in key test region

By David Whitehouse, GWPF, June 7, 2021

<https://www.thegwpf.com/climate-models-fail-in-key-test-region/>

Link to earlier paper: Comparing climate time series – Part 1: Univariate test

By Timothy DelSole and Michael K. Tippett, *Adv. Stat. Clim. Meteorol. Oceanogr.*, Oct 12, 2020

<https://ascmo.copernicus.org/articles/6/159/2020/ascmo-6-159-2020.pdf>

Link to current paper: Comparing Climate Time Series. Part II: A Multivariate Test

By Timothy DelSole and Michael K. Tippet, Preprint

ftp://cola.gmu.edu/pub/delsole/papers/dt_compareTS2.pdf

Only off by a factor of 3

By John Robson, *Climate Discussion Nexus*, June 9, 2021

<https://climatediscussionnexus.com/2021/06/09/only-off-by-a-factor-of-3/>

Model Issues

Simplified climate modelling. Part 1: The role of CO2 in paleoclimate

By Thomas Anderl, *Climate Etc.* May 29, 2021

<https://judithcurry.com/2021/05/29/simplified-climate-modelling-part-1-the-role-of-co2-in-paleoclimate/>

Measurement Issues -- Atmosphere

UAH Global Temperature Update for May 2021: +0.08 deg. C

By Roy Spencer, *His Blog*, June 1, 2021

<http://www.drroyspencer.com/2021/06/uah-global-temperature-update-for-may-2021-0-08-deg-c/>

Link to Global Temperature Report

Earth System Science Center, The University of Alabama in Huntsville, May 2021

Report: <https://www.nsstc.uah.edu/climate/>

Maps: https://www.nsstc.uah.edu/climate/2021/May2021/202105_Map.png

Graph: https://www.nsstc.uah.edu/climate/2021/May2021/202105_Bar.png

NASA Map Gives Most Accurate Space-Based View of LA's Carbon Dioxide

Press Release, NASA, June 7, 2021 [H/t WUWT]

<https://www.nasa.gov/feature/jpl/nasa-map-gives-most-accurate-space-based-view-of-la-s-carbon-dioxide>

Changing Weather

May snaps long-standing streak for strong tornadoes in US

By Paul Homewood, Not a Lot of People Know That, June 11, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/11/may-snaps-long-standing-streak-for-strong-tornadoes-in-us/>

The 2021 Hurricane Season Has Begun

By Ryan Maue, WUWT, June 2, 2021

<https://wattsupwiththat.com/2021/06/02/the-2021-hurricane-season-has-begun/>

Wildfire Outlook for the Pacific Northwest

By Cliff Mass, Weather Blog, June 10, 2021

<https://cliffmass.blogspot.com/2021/06/wildfire-outlook-for-pacific-northwest.html>

High-magnitude flooding across Britain since AD 1750

By Paul Homewood, Not a Lot of People Know That, June 8, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/08/high-magnitude-flooding-across-britain-since-ad-1750/>

“Perhaps if the Environment Agency really want to understand the changing risks of flooding to dams and other infrastructure, they should look to the past instead of the Met Office’s computer models.”

UK Extreme Rainfall Trends

By Paul Homewood, Not a Lot of People Know That, June 7, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/07/uk-extreme-rainfall-trends/>

[SEPP Comment: Truncating the data to establish a new trend by getting rid of the old trend.]

It's Drought Hype Season Again

By H. Sterling Burnett, The Heartland Institute, June 10, 2021

<https://www.heartland.org/news-opinion/news/its-drought-hype-season-again>

While “Experts” Like To Have Us Believe Germany Is Still In Drought – Real Observations Tell Us Another Story

By P Gosselin, No Tricks Zone, June 6, 2021

<https://notrickszone.com/2021/06/06/64978/>

Changing Climate

Younger Dryas Impact Hypothesis Takes Another Self-Inflicted Gunshot Wound

By David Middleton, WUWT, June 12, 2021

<https://wattsupwiththat.com/2021/06/12/younger-dryas-impact-hypothesis-takes-another-self-inflicted-gunshot-wound/>

Changing Seas

Geologist's New Book: Climate Change "Natural"... "Still An Archaic Fear Of Natural Weather Phenomena"

By P Gosselin, No Tricks Zone, June 2, 2021

<https://notrickszone.com/2021/06/02/geologists-new-book-climate-change-natural-still-an-archaic-fear-of-natural-weather-phenomena/>

"The temperatures of the Earth's atmosphere have been steadily increasing since the end of the last ice age about 12,000 years ago, albeit with interruptions, associated with a rise in global sea level. If the current warming reached the level of the last Eemian warm period about 120,000 years ago, sea levels would also rise another 6-9 meters. In response to steadily rising sea levels, dike and dam construction has been forced in the Netherlands, for example, since the High Middle Ages. This will also have to be stepped up in other regions of the world."

[SEPP Comment: Sea level rise is a long-term concern. The current warm period started about 20,000 years ago interrupted by the Younger Dryas, about 13,000 years ago lasting to about 11,500 years ago. There is no generally accepted explanation for the Younger Dryas.]

Miami-Dade Back Bay Coastal Storm Risk Management Feasibility Study

By Staff, US Army Corps of Engineers, Jacksonville District, May 29, 2020

<https://www.saj.usace.army.mil/MiamiDadeBackBayCSRMFfeasibilityStudy/>

Link to report: <https://usace.contentdm.oclc.org/utis/getfile/collection/p16021coll7/id/14453>

[SEPP Comment: The purpose of the study was to examine the feasibility of storm surge barriers such as used in Holland, The Thames, etc. Not to protect against sea level rise.]

Study pinpoints key causes of ocean circulation change

Press Release by University of Exeter, June 1, 2021 [H/t WUWT]

https://www.eurekalert.org/pub_releases/2021-06/uoep-sp060121.php

Link to paper: Distinct sources of interannual subtropical and subpolar Atlantic overturning variability

By Yavor Kostov, et al. Nature Geoscience, May 31, 2021

<https://www.nature.com/articles/s41561-021-00759-4>

Changing Cryosphere – Land / Sea Ice

June Arctic Ice Returns to Mean

By Ron Clutz, Science Matters, June 9, 2021

<https://rclutz.com/2021/06/09/june-arctic-ice-returns-to-mean/>

[SEPP Comment: After a cold April-May.]

Pine Island Glacier's ice shelf is ripping apart, speeding up key Antarctic glacier

Press Release, University of Washington, June 11, 2021 [H/t WUWT]

https://www.eurekalert.org/pub_releases/2021-06/uow-pig060421.php

"'Sediment records in front of and beneath the Pine Island ice shelf indicate that the glacier front has remained relatively stable over a few thousand years,' Dutrieux said. 'Regular advance and break-ups happened at approximately the same location until 2017, and then successively worsened each year until 2020.'"

[SEPP Comment: A three-year, long-term trend happening at glacial speed? More scientists caught in a false dilemma and who cannot tell the difference between facts and exaggerations.]

New survey estimates 10x as many polar bears in Russian section of Chukchi Sea as in USA portion

By Susan Crockford, Polar Bear Science, June 2, 2021

<https://polarbearscience.com/2021/06/02/new-survey-estimates-10x-as-many-polar-bears-in-russian-section-of-chukchi-sea-as-in-usa-portion/>

“This study required rather more models and associated assumptions than usual to come up with its population estimates.”

Acidic Waters

Fish adapt to ocean acidification by modifying gene expression

Press Release, The University of Hong Kong, May 29, 2021 [H/t WUWT]

https://www.eurekalert.org/pub_releases/2021-05/tuoh-fat052621.php

Link to paper: Natural CO₂ seeps reveal adaptive potential to ocean acidification in fish

By Natalia Petit-Marty, et al. Evolutionary Applications, Apr 8, 2021

<https://onlinelibrary.wiley.com/doi/10.1111/eva.13239>

Agriculture Issues & Fear of Famine

Solar geoengineering may be effective in alleviating impacts of global warming on crops

By Staff Writers, Boston MA (SPX), June 04, 2021

https://www.seeddaily.com/reports/Solar_geoengineering_may_be_effective_in_alleviating_impacts_of_global_warming_on_crops_999.html

Link to paper: Solar geoengineering can alleviate climate change pressures on crop yields

By Yuanchao Fan, et al. Nature food, May 20, 2021

<https://www.nature.com/articles/s43016-021-00278-w>

[SEPP Comment: Especially since tropical Brazil has become a dominant exporter during the current “climate crisis.”]

Un-Science or Non-Science?

Granholm launches 'Earthshot' goal of reducing hydrogen energy cost to \$1

By Rachel Frazin, The Hill, June 7, 2021

<https://thehill.com/policy/energy-environment/557156-granholm-launches-earthshot-goal-of-reducing-hydrogen-energy-cost>

[SEPP Comment: No matter what the Secretary of the DOE calls the program, making hydrogen on earth requires energy.]

Lowering Standards

Or the manatee gets it

By John Robson, Climate Discussion Nexus, June 9, 2021

<https://climatediscussionnexus.com/2021/06/09/or-the-manatee-gets-it/>

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

A fiery past sheds new light on the future of global climate change

By Paul Homewood, Not a Lot of People Know That, May 31, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/05/31/a-fiery-past-sheds-new-light-on-the-future-of-global-climate-change/>

Link to paper: Improved estimates of preindustrial biomass burning reduce the magnitude of aerosol climate forcing in the Southern Hemisphere

By Pengfei Liu, et al. AAAS Science Advances, May 28, 2021

<https://advances.sciencemag.org/content/7/22/eabc1379>

“In fact the science points the other way. As [HH] Lamb knew years ago, Australia was a much wetter place when the world was warmer a few thousand years ago. It was this same epoch when the Sahara was also fertile. And there is a very good reason; a warmer world is a moister one.

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

Climate change: Rise in Brecon Beacons landslips ‘a clear warning’

By Paul Homewood, Not a Lot of People Know That, June 1, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/01/climate-change-rise-in-brecon-beacons-landslips-a-clear-warning/>

“And, of course, a couple of cherry-picked weather events are not evidence of ‘climate change’, and certainly not man made.”

The insurance company gets it

By John Robson, Climate Discussion Nexus, June 9, 2021

<https://climatediscussionnexus.com/2021/06/09/the-insurance-company-gets-it/>

“Just as you are advised not to ask your barber if you need a haircut or your vet whether your dog looks sick, you should not ask your insurer if you really should increase your coverage in case there’s more flooding, more fires, a Martian invasion or something.”

Communicating Better to the Public – Make things up.

IEA, Roadmap To Net Zero

By Paul Homewood, Not a Lot of People Know That, June 2, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/02/iea-roadmap-to-net-zero/>

IEA’s Unrealistic Energy Roadmap Sends Wrong Message for Agency, Developing Nations

By Guy F. Caruso, Real Clear Energy, June 03, 2021

[https://www.realclearenergy.org/articles/2021/06/03/ieas_unrealistic_energy_roadmap_sends_wro
ng_message_for_agency_developing_nations_779958.html](https://www.realclearenergy.org/articles/2021/06/03/ieas_unrealistic_energy_roadmap_sends_wrong_message_for_agency_developing_nations_779958.html)

Climate change: Thousands of people in the UK have already died because of global warming

By Paul Homewood, Not a Lot of People Know That, May 31, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/05/31/climate-change-thousands-of-people-in-the-uk-have-already-died-because-of-global-warming/>

BBC Victoria Falls Complaint Escalated

By Paul Homewood, Not a Lot of People Know That, June 10, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/10/bbc-victoria-falls-complaint-escalated/>

“The aforesaid ‘drying up’ is a normal annual event, which occurs every dry season because the eastern side of the falls is at a higher elevation, and not because the river dries up to a trickle.”

Climate scientist admits key climate change metric is just something experts ‘chose’: ‘Symbolic marker’

By Chris Enloe, The Blaze, May 29, 2021

https://www.theblaze.com/news/climate-specialist-admits-key-climate-change-metric-is-just-something-people-chose-symbolic-marker?utm_source=theblaze-dailyPM&utm_medium=email&utm_campaign=Daily-Newsletter_PM%202021-05-29&utm_term=ACTIVE%20LIST%20-%20TheBlaze%20Daily%20PM

Communicating Better to the Public – Go Personal.

The People With Something To Hide

By Tony Heller, His Blog, June 4, 2021

https://www.youtube.com/watch?v=sQ0WX-_XkzQ

Communicating Better to the Public – Use Propaganda

CO2 concentration levels hit record high, show no impact from pandemic

By Zack Budryk, The Hill, June 6, 2021

<https://thehill.com/policy/energy-environment/557137-co2-concentration-levels-hit-record-high-show-no-impact-from>

[SEPP Comment: Great propaganda photo of chimneys emitting invisible greenhouse gases.]

CJR [Columbia Journalism Review]: Climate Reporting is Like Covering the Invasion of Poland

By Eric Worrall, June 4, 2021

<https://wattsupwiththat.com/2021/06/04/cjr-climate-reporting-is-like-covering-the-invasion-of-poland/>

Greenhouse gases: Causes, sources and environmental effects

By Tiffany Means, Marc Lallanilla - Live Science, June 9, 2021 [H/t Bernie Kepshire]

Greenhouse gases help keep the Earth at a habitable temperature — until there is too much of them.

<https://www.livescience.com/37821-greenhouse-gases.html>

“Global warming isn’t a recent scientific concept. The basics of the phenomenon were worked out well over a century ago by Swedish physicist and chemist Svante Arrhenius, in 1896. His paper, published in the Philosophical Magazine and Journal of Science, was the first to quantify the contribution of carbon dioxide to what scientists now call the ‘greenhouse effect.’”

[SEPP Comment: The authors got this key paragraph wrong. The concept was worked out by Tyndall, 35 years before the Arrhenius paper. In 1906 Arrhenius replaced his 1896 paper for erroneous calculations.]

Energy Infrastructure Terrorism Taking Root in Germany, Europe As Radical Activists Carry Out Attacks

By P Gosselin, No Tricks Zone, June 9, 2021

<https://notrickszone.com/2021/06/09/energy-infrastructure-terrorism-taking-root-in-germany-europe-as-radical-activists-carry-out-attacks/>

Communicating Better to the Public – Use Children for Propaganda

Greta’s Dishonest Alarmist Rubbish

By Paul Homewood, Not a Lot of People Know That, June 10, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/03/gretas-dishonest-alarmist-rubbish/>

Video

Questioning European Green

Garry White: We’re going to pay a high price for the Net Zero agenda

By Garry White, The Daily Telegraph, Via GWPF, June 8, 2021

<https://www.thegwpf.com/were-going-to-pay-a-high-price-for-the-net-zero-agenda/>

The crippling cost of Net Zero

Green technocrats are utterly indifferent to the lives of ordinary people.

By Ben Pile, Spiked, May 26, 2021 [H/t Paul Homewood]

<https://www.spiked-online.com/2021/05/26/the-crippling-cost-of-net-zero/>

The EU's Net Zero plan faces political blowback

By Paul Homewood, Not a Lot of People Know That, June 1, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/01/the-eus-net-zero-plan-faces-political-blowback/>

Non-Green Jobs

Climate Targets Could Shutter UK Steel Industry

By Paul Homewood, Not a Lot of People Know That, June 8, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/08/climate-targets-could-shutter-uk-steel-industry/>

Funding Issues

Chief scientist: NOAA is '\$12 billion agency trapped in a \$5.5 billion budget'

By Zack Budryk, The Hill, June 7, 2021

<https://thehill.com/policy/energy-environment/557165-chief-scientist-noaa-is-12-billion-agency-trapped-in-a-55-billion>

Litigation Issues

The Current Legal Onslaught Is Unlikely To Limit World Oil Production Significantly

By Francis Menton, Manhattan Contrarian, May 30, 2021

<https://www.manhattancontrarian.com/blog/2021-5-30-dont-count-big-oil-out-just-yet>

EPA and other Regulators on the March

EPA Scientific Integrity Stakeholder and Partner Meeting

By Francesca Grifo, EPA Scientific Integrity Official, June 4, 2021

<https://region10rtoc.net/2021/06/04/posted-6-4-21-epas-scientific-integrity-biennial-stakeholder-and-partner-meeting-on-6-15-21/>

EPA, Army Announce Intent to Revise Definition of WOTUS

Press Release, Office of Public Engagement, EPA, June 9, 2021

<http://mail.haapala.com/interface/root#/email>

[SEPP Comment: See Article # 1.]

EPA Heavily Redacts Official's Recusal Information

By Christopher Horner, Government Accountability & Oversight, June 9, 2021

<https://govoversight.org/epa-heavily-redacts-officials-recusal-information/>

Energy Issues – Non-US

Power shortage: Chinese factories forced to shut down

By Staff, Financial Times, Via GWPF, June 5, 2021

<https://www.thegwpf.com/not-enough-coal-power-chinese-factories-forced-to-shut-down/>

[SEPP Comment: Need more coal-fired power plants!]

A viable alternative to Chinese minerals hegemony

The long and winding road to building a Free-World rare-earths supply chain

By Duggan Flanakin, WUWT, May 31, 2021

<https://wattsupwiththat.com/2021/05/31/a-viable-alternative-to-chinese-minerals-hegemony/>

Energy Issues -- US

The Future Of Energy: One Of These Things Is Not Real

By Francis Menton, June 7, 2021

<https://www.manhattancontrarian.com/blog/2021-6-7-the-future-of-energy-one-of-these-things-is-not-real>

“OK, but the Europeans have built thousands of offshore wind turbines and have lots of these specialized construction ships. Why not just hire them? There’s a simple answer: it is prohibited by something called the Jones Act, a U.S. statute that forbids use of foreign flag ships for any intra-U.S. shipping.”

PUCT Leaders in Denial: Erasing Renewables from Blackout Causality

By Robert Bradley Jr. Master Resource, June 10, 2021

<https://www.masterresource.org/texas-blackout-2021/puct-leaders-in-denial/>

[SEPP Comment: Exposing the Texas cover-up.]

Texas governor signs bills to improve power grid after deadly winter storm

By Tal Axelrod, The Hill, June 8, 2021

<https://thehill.com/homenews/state-watch/557415-texas-governor-signs-bills-to-improve-power-grid-after-deadly-winter>

“One of the bills Abbott signed would require the weatherization of power generation facilities, natural gas facilities and transmission facilities to be better prepared for severe weather...”

Beijing Power Players Poised to Pull Plug on Prospects to Go 'All-Electric'

By Larry Bell, Newsmax, June 7, 2021

<https://www.newsmax.com/larrybell/green-new-deal-green-energy-beijing-chinese-communist-party/2021/06/07/id/1024174/>

Don't Get Discouraged About The Preposterous Plans To Eliminate Fossil Fuels

By Francis Menton, Manhattan Contrarian, June 5, 2021

<https://www.manhattancontrarian.com/blog/2021-6-5-dont-get-discouraged-about-the-preposterous-climate-scare>

Let's Accelerate, Not Reverse, Energy Progress Since 1970s Gas Station Lines

By Mike Sommers, Real Clear Energy, June 01, 2021

https://www.realclearenergy.org/articles/2021/06/01/lets_accelerate_not_reverse_energy_progress_since_1970s_gas_station_lines_779571.html

Washington's Control of Energy

Lessons from the Demise of ANWR and Keystone XL

By Ben Lieberman, CEI, June 11, 2021

<https://cei.org/blog/lessons-from-the-demise-of-anwr-and-keystone-xl/>

Terence Corcoran: Keystone XL shutdown signals the real climate risk facing Canada and the world

What if the actions of global policy makers to cut carbon emissions pose equal or even greater risks than the ones they are trying to eliminate?

By Terence Corcoran, Financial Post (Canada), June 11, 2021

<https://financialpost.com/opinion/terence-corcoran-keystone-xl-shutdown-signals-the-real-climate-risk-facing-canada-and-the-world>

“The result of this upside-down bottoms up approach is the creation of real green swan risks, with Keystone XL being a little fluttering example of bigger swans to come.”

Oil and Natural Gas – the Future or the Past?

Russia Begins Development on Arctic Oil Project That Will Produce 25 Million Tons of Oil Per Year

By Molly Taft, Gizmodo, May 28, 2021

<https://gizmodo.com/russia-s-new-arctic-oil-development-is-a-nightmare-1846991892>

Climate Activists Are Setting Up Oil Prices For New Boom

By Paul Homewood, Not a Lot of People Know That, June 3, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/03/climate-activists-are-setting-up-oil-prices-for-new-boom/>

Return of King Coal?

China’s coal shortage may lead to more power rationing

More Chinese provinces are considering electricity rationing because of a surge in consumption and tighter coal supplies for power generation.

By Kelvin Leong, Argus Coal, June 8, 2021

<https://www.argusmedia.com/en/news/2222575-chinas-coal-shortage-may-lead-to-more-power-rationing>

Vijay Jayaraj: Despite COP26 pressure, Asia and Africa remain committed to coal

By Vijay Jayaraj, India, GWPF, June 2, 2021

<https://www.thegwgf.com/despite-cop26-pressure-asia-and-africa-remain-committed-to-coal/>

Guest post: Hundreds of planned coal mines ‘incompatible with 1.5C target’

By Ryan Tate, Carbon Brief, June 10, 2021

https://www.carbonbrief.org/guest-post-hundreds-of-planned-coal-mines-incompatible-with-1-5c-target?utm_campaign=Carbon%20Brief%20Weekly%20Briefing&utm_content=20210611&utm_medium=email&utm_source=Revue%20Weekly

Nuclear Energy and Fears

Gates to the rescue

By John Robson, Climate Discussion Nexus, June 9, 2021

<https://climatediscussionnexus.com/2021/06/09/gates-to-the-rescue/>

“By the way, this splendid announcement was tarnished by the intrusion of a politician, Wyoming governor Mark Gordon, who apparently wants to have his oil and eat it too. ‘Earlier this year, I set a goal for Wyoming to be a carbon negative state and continue to use fossil fuels.’ Evidently ‘carbon negative’ means the state will capture more CO₂ than it emits through some sort of magic power, while continuing to spew the stuff out:”

Let’s Talk About Radioactive Waste

By Andrew Karam, Ph.D., CHP, ACSH, June 10, 2021

<https://www.acsh.org/news/2021/06/10/let%E2%80%99s-talk-about-radioactive-waste-15591>

Alternative, Green (“Clean”) Solar and Wind

The Dirty Secret of ‘Clean’ Energy

By Helen Raleigh, National Review, June 1, 2021

<https://www.nationalreview.com/2021/06/the-dirty-secret-of-clean-energy/>

“In 2010, China attempted to weaponize its monopoly in rare earth against Japan. The Japanese Ministry of Economy, Trade and Industry responded by introducing an initiative to escape China’s chokehold on rare earth. The initiative included three components: expanding rare-earth suppliers outside of China, investing in countries that have rare earth but lacked financial and technological ability to extract and process them, and reducing rare-earth use in end products through technological innovations.”

This blessed plot, this earth, this realm, this solar farm

By John Robson, Climate Discussion Nexus, June 2, 2021

<https://climatediscussionnexus.com/2021/06/02/this-blessed-plot-this-earth-this-realm-this-solar-farm/>

“Environmental Racism” as Second-class Energy (E&E News article)

By Robert Bradley Jr. Master Resource, June 9, 2021

<https://www.masterresource.org/environmental-movement/environmental-racism-second-class-energy/>

[SEPP Comment: In Virginia, real estate developers were intensely opposed by environmentalists in developing in Civil War areas where industrial wind and solar now propose to go.]

Blocking The Wind

By Willis Eschenbach, WUWT, June 8, 2021

<https://wattsupwiththat.com/2021/06/08/blocking-the-wind/>

“The wind is free ... but everything else costs money”.

Darker shades of green

By John Robson, Climate Discussion Nexus, June 9, 2021

<https://climatediscussionnexus.com/2021/06/09/darker-shades-of-green/>

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

Hydrogen and Climate Change,

By Donn Dears, Special Report, Power for USA, June 8, 2021

<https://secureservercdn.net/198.71.233.150/lgc.2e9.myftpupload.com/wp-content/uploads/2021/06/Special-Report-Hydrogen-Rev-1.pdf>

Revisiting Hydrogen and the Hindenburg

By Donn Dears, Power For USA, June 11, 2021

<https://ddears.com/2021/06/11/revisiting-hydrogen-and-the-hindenburg/>

Water Required to Produce Hydrogen

By Donn Dears, Power For USA, June 8, 2021

<https://ddears.com/2021/06/08/water-required-to-produce-hydrogen/>

Construction beginning for \$80 million wave energy testing facility

By Michelle Klampe The World Guest Article, Jun 3 6, 2021

https://theworldlink.com/news/local/construction-beginning-for-80-million-wave-energy-testing-facility/article_a710210a-c3f8-11eb-b301-b7dfa9643070.html

Alternative, Green ("Clean") Energy -- Storage

Hawaii Five-Oy!

By Clarice Feldman, The Pipeline, June 1, 2021

<https://the-pipeline.org/hawaii-five-oy/>

“This means that to replace its soon-to-be retired coal plant, Hawaii Electric will soon be charging its giant battery ... with oil. In other words, Hawaiians will be trading one fossil fuel (coal) for another, albeit one far more expensive.”

Why is Energy so Difficult to Store? Why is Stored Energy so Difficult to Use?

By Kelvin Kilty, WUWT, May 29, 2021

<https://wattsupwiththat.com/2021/05/29/why-is-energy-so-difficult-to-store-why-is-stored-energy-so-difficult-to-use/>

Alternative, Green ("Clean") Vehicles

Are EVs as ‘Green’ as They Appear

By Paul Homewood, Not a Lot of People Know That, June 5, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/05/are-evs-as-green-as-they-appear/>

An Inconvenient Truth: EVs May Offer A "Negligible" CO2 Difference From ICE Vehicles

By Tyler Durden, Zero Hedge, June 5, 2021 [H/t Bernie Kepshire]

https://www.zerohedge.com/markets/inconvenient-truth-due-li-ions-heavy-carbon-footprint-evs-may-offer-negligible-co2?utm_campaign=&utm_content=Zerohedge%3A+The+Durdens+Dispatch&utm_medium=email&utm_source=zh_newsletter

Vehicle to Grid “Savings” Based On Subsidised Trials—Not Real World Data

By Paul Homewood, Not a Lot of People Know That, June 3, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/06/03/vehicle-to-grid-savings-based-on-subsidised-trials-not-real-world-data/>

Carbon Schemes

Underground storage of carbon captured directly from air

By Staff Writers, Fukuoka, Japan (SPX). Jun 04, 2021

https://www.spacedaily.com/reports/Underground_storage_of_carbon_captured_directly_from_air_999.html

Link to research paper: Geological storage of CO₂-N₂-O₂ mixtures produced by membrane-based direct air capture (DAC)

By Takeshi Tsuji, Greenhouse Gases: Science and Technology, June 1, 2021

<https://onlinelibrary.wiley.com/doi/10.1002/ghg.2099>

California Dreaming

California May Be Crazy In Its "Climate" Initiatives, But New York Wants To Be Even Crazier

By Francis Menton, Manhattan Contrarian, June 3, 2021

<https://www.manhattancontrarian.com/blog/2021-6-3-california-may-be-crazy-in-its-climate-initiatives-but-new-york-wants-to-be-even-crazier>

Infinity-Woke: Is there anything more racist than pushing anti-racist maths?

By Jo Nova, Her Blog, June 12, 2021

<https://joannenova.com.au/2021/06/infinity-woke-is-there-anything-more-racist-than-pushing-anti-racist-maths/>

[SEPP Comment: California's new counting: Three numbers: one, two, and many?]

California's Costly "Cap and Trade" Forest Emission Offsets Program Just Climate Alarmism Incompetence

By Larry Hamlin, WUWT, June 1, 2021

<https://wattsupwiththat.com/2021/06/01/californias-costly-cap-and-trade-forest-emission-offsets-program-just-climate-alarmism-incompetence/>

Health, Energy, and Climate

3 New Studies Conclude 21st Century Cold Temps Led To 7-10 Times More Deaths Than Warm Temps

By Kenneth Richard, No Tricks Zone, June 10, 2021

<https://notrickszone.com/2021/06/10/3-new-studies-conclude-21st-century-cold-temps-led-to-7-10-times-more-deaths-than-warm-temps/>

Biden's coming war on farmers

Team Biden will reassert that PM2.5 kills hundreds of thousands annually and that there's no safe level of exposure

By Steve Milloy, Washington Times, May 31, 2021

<https://www.washingtontimes.com/news/2021/may/31/bidens-coming-war-on-farmers/>

The burden of heat-related mortality attributable to poor modeling

By Pasi Autio, WUWT, June 3, 2021

<https://wattsupwiththat.com/2021/06/03/the-burden-of-heat-related-mortality-attributable-to-poor-modeling/>

Environmental Industry

ExxonMobil's Appeasement Strategy Backfires (Milloy has had enough)

By Robert Bradley Jr. Master Resource, June 1, 2021

<https://www.masterresource.org/exxon-mobil/exxonmobil-appeasement-milloy-2021/>

ESG Movement Threatens Us All

By Ron Clutz, Science Matters, June 10, 2021

<https://rclutz.com/2021/06/10/esg-movement-threatens-us-all/>

Other News that May Be of Interest

Remembering The Critical D-Day Forecast

By Cliff Mass, Weather Blog, June 6, 2021

<https://cliffmass.blogspot.com/2021/06/remembering-critical-d-day-forecast.html>

“The forecast team [hesitated?] until Stagg predicted the low would continue to move northward, producing conditions just good enough for D-Day on June 6th. The actual weather map for June 6th (below) suggests that Stagg and associates made the right forecast for the wrong reason.”

Biden's Jan. 6 Narrative Just Got Even More Ridiculous

By T.R. Clancy, American Thinker, June 9, 2021

https://www.americanthinker.com/articles/2021/06/bidens_jan_6_narrative_just_got_even_more_ridiculous.html

[SEPP Comment: The \$1.5 million cost discussed in the essay is an estimate of damages. In addition, the Architect of the Capitol has estimated an increase of subsequent security expenses, such temporary perimeter fencing, to be more than \$30 million. There was no wide-spread rioting.]

Suddenly, ‘The Population Bomb’ Is a Population Bust

By Stephen Moore, The Patriot Post, Via GWPF, June 2, 2021

<https://www.thegwpf.com/suddenly-the-population-bomb-is-a-population-bust/>

Remembering Robert A. Heinlein [1907 to 1988]

By Kip Hansen, WUWT, June 2, 2021

<https://wattsupwiththat.com/2021/05/31/remembering-robert-a-heinlein/>

BELOW THE BOTTOM LINE

Claim: Climate change is making ocean waves more powerful, threatening to erode many coastlines

By Thomas Mortlock, Macquarie University; et al. The Conversation, Via WUWT, June 8, 2021

<https://wattsupwiththat.com/2021/06/08/claim-climate-change-is-making-ocean-waves-more-powerful-threatening-to-erode-many-coastlines/>

In The 1700s It Was Said Women Cause ‘Unnatural’ Weather. Now Mainstream Science Says Men Do Too.

By Kenneth Richard, No Tricks Zone, June 4, 2021

<https://notrickszone.com/2021/06/04/in-the-1700s-it-was-said-women-cause-unnatural-weather-now-mainstream-science-says-men-do-too/>

New study says endangered whales have shrunk in size three feet over 20 years

By Joseph Choi, The Hill, June 3, 2021

<https://thehill.com/policy/energy-environment/556769-new-study-says-endangered-whales-have-shrunk-in-size-three-feet>

[SEPP Comment: Unable to find the study which was conducted by airplanes and drones.]

Walrus Makes A Wally Of Olivia Rudgard

By Paul Homewood, Not a Lot of People Know That, May 29, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/05/29/walrus-makes-a-wally-of-olivia-rudgard/>

[SEPP Comment: The warming of the Arctic drove the walrus to France? Will he summer in the South of France?]

The Guardian: Climate Tipping Points “Could Topple Like Dominoes”

By Eric Worrall, WUWT, June 3, 2021

<https://wattsupwiththat.com/2021/06/03/the-guardian-climate-tipping-points-could-topple-like-dominoes/>

Link to the paper: Interacting tipping elements increase risk of climate domino effects under global warming

By Nico Wunderling, Earth System Dynamics, June 3, 2021

<https://esd.copernicus.org/articles/12/601/2021/>

[SEPP Comment: Tipping points like sailing too far from the sight of land?]

ARTICLES

An Anti-Development Water Rule

Biden's EPA is back with a rule that won't help build infrastructure.

By The Editorial Board, WSJ, June 11, 2021

https://www.wsj.com/articles/an-anti-development-water-rule-11623449163?mod=opinion_lead_pos2

TWTW Summary: After discussing the infrastructure bill, the editorial states:

“The EPA this week announced plans to revise the Trump Wotus rule ‘to better protect our nation’s vital water resources that support public health, environmental protection, agricultural activity, and economic growth.’ Translation: The EPA is preparing a private land grab that will limit farming, fracking, home building and economic activity.

“Recall how the Obama -era Wotus rule expanded federal jurisdiction over ‘waters of the U.S.’ under the 1972 Clean Water Act, which authorized the feds to regulate ‘navigable waterways’ like the Hudson River. The Obama EPA claimed jurisdiction over any waterways with a ‘significant nexus’ to ‘waters of the U.S.’

“This included all land within a 100-year floodplain and 1,500 feet of the high-water mark or 4,000 feet of waters already under its jurisdiction, as well as ‘ephemeral’ ponds, ditches and creeks that occasionally filled with storm runoff. The rule was intended to give the feds a veto over fossil-fuel development on private land.

“But it also meant that farmers would have to get permits to fill ditches. Road and highway construction projects would need to undergo federal review if their storm runoff could affect waterways a mile or so away. The Trump EPA sensibly revised the rule to exclude unnavigable bodies of waters, including those that fill with water after a rainfall.

“Now the Biden EPA complains the Trump regulatory rollback constrained its regulatory power too much, particularly in arid states like New Mexico and Arizona, and eliminated federal permitting requirements for 333 projects. Ergo, the agency plans to launch another amphibious assault on private land.

“To recap: President Biden wants Congress to shovel out hundreds of billions of dollars for infrastructure, which the EPA then will tie up in a permitting morass—unless, of course, the projects advance climate or social-justice goals. Republicans shouldn’t agree to any infrastructure deal that doesn’t include permitting and regulatory efficiencies.”

TWTW Comment: How much of the proposed \$1 Trillion infrastructure bill will go to lawyers arguing what are navigable waters of the US/
