

The Week That Was: 2023-09-09 (September 9, 2023)

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The Science and Environmental Policy Project

Quote of the Week: *“What is necessary for the very existence of science and what the characteristics of nature are, are not to be determined by pompous preconditions, they are determined always by the material with which we work, by nature herself.”* — Richard P. Feynman [H/t Art Horn]

Number of the Week: 26 per 100,000 per year v 0.64 per 100,000 per year

THIS WEEK:

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

Scope: Among the topics discussed below, is the interview of Atomic, Molecular, and Optical (AMO) physicist William Happer by Anthony Watts of the Heartland Institute. The focus of the interview is the flourishing of plant life on Earth with additional carbon dioxide (CO₂) emitted by humanity and natural sources. Early on, a strong emphasis was placed on the important concept of diminishing returns that applies to the effectiveness of CO₂ as a greenhouse gas in warming the planet.

Last week, TWTW presented three papers written by Willie Soon and other physicists, some of whom form The Center for Environmental Research and Earth Sciences (CERES) team. The papers were attacked by the blog Real Climate.org, which includes Gavin Schmidt, the head of NASA-GISS who actively promotes the reports of the UN Intergovernmental Panel on Climate Change (IPCC). The rebuttal by CERES is discussed below.

Proper use of the scientific method is a major focus of SEPP and its bulletin, TWTW. Physicist Gordon Fulks has a solid essay explaining this important concept, which is discussed below.

TWTW withheld discussion of the temperature impact of the huge Hunga Tonga eruption until John Christy, Roy Spencer, and other members of the University of Alabama in Huntsville’s Earth System Science Center presented their views. Discussed are their initial findings.

Ph.D. climate scientist Patrick Brown had a climate article published by the journal, Nature, in which he intentionally omitted some key findings to get it published. This sad affair is the result of the intense politicalization of Western Science that is contrary to the scientific method which requires rigorous integrity in reporting all findings. It also explains why the journals in western science are falling behind journals in South Korea and China in reporting new findings.

Also discussed below is another deplorable effort by Washington to reduce the use of fossil fuels, needed by modern civilization. At the same time the promise that offshore wind will produce needed affordable and reliable electricity is falling apart.

Diminishing Returns: Early in his discussion of the benefits that adding CO₂ to the atmosphere will have on plant life, William Happer brought out that a doubling of CO₂ from 400 parts per million volume (ppmv) to 800 ppmv will increase the total greenhouse effect by 1% (assuming the same concentrations of other greenhouse gases). In calculating the influence on Earth’s

temperatures to balance this increase in the greenhouse effect, one must remember that the increase in outgoing radiation is based on the temperature in degrees Kelvin raised to the fourth power. [Chemists use ppm to represent parts per million by weight. For CO₂ in the atmosphere, it is measured in molecules of CO₂ per million molecules of air --- or moles of CO₂ per mole of air --- which turns out to be parts per million by volume since each mole occupies the same volume.]

Assuming Earth's temperature at 300 Kelvin, in his "back of the envelope" calculations, Happer states that this results in an increase in temperatures of 0.75°C (1.35°F). You cannot feel the difference. A graph produced by the CO₂ Coalition demonstrates that the per molecule influence of increasing CO₂ essentially flatlines after 200 ppmv. The increase is miniscule.

This is consistent with the physical evidence presented by Geoscientist Tom Gallagher on the results of deep-sea sediments recording changes in CO₂ and changes in surface temperatures. For example, in Coolhouse Earth, which was warmer than today's Icehouse earth and lasted from about 34 million to 3.3 million years ago. Surface CO₂ concentrations varied greatly, from less than 300 ppmv to more than 800 ppmv, yet the range in temperatures was small.

[In his book, **The Primacy of Doubt**, climate modeling pioneer Tim Palmer advocates the ensemble technique of modeling climate relied upon by the UN IPCC. Palmer comes up with 1°C for CO₂ doubling, then asserts this will double with increasing water vapor and on top of it adds that other physical mechanisms, unidentified, will add to it. Palmer offers no physical evidence, and the detailed HITRAN atmospheric database does not support the claims by climate modelers that atmospheric water vapor is increasing significantly.]

In discussing possible positive temperature feedbacks to an increase in temperatures, Happer invokes Le Chatelier's principle, first applied to chemistry: "if a dynamic equilibrium is disturbed by changing the conditions, the position of equilibrium shifts to counteract the change to reestablish an equilibrium." As Happer states, if this were not the case in atmospheric temperature change, we would have seen far wilder temperature variations during human history.

To Happer, the bulk of surface-air temperature change since 1800 comes from a recovery from the Little Ice Age and the Urban Heat Island Effect. He considers efforts to remove CO₂ from the atmosphere similar to what a leader of Britons said about the Roman conquest: "They create a desert and call it peace."

In discussing the greening of the earth, Happer states that NASA relies on a clever technique to measure the amount of chlorophyll from space. When illuminated by the sun, Chlorophyll emits light in the near infrared (fluorescent) range. This is captured by NASA satellite cameras and directly demonstrates the greening of the Earth. Happer states that increasing CO₂ benefits all plants, including C₄ plants such as maize (corn) and sugarcane, but benefits C₃ plants more. Also, 1500 ppmv may be ideal for greenhouse operators, but even higher concentrations are better for plants on Earth. Further, most feedbacks are negative, not positive, and there has never been a runaway warming. During the Little Ice Age, and the Ice Ages, we saw a desertification of high-altitude regions with significant dust storms. [During the last glaciation, these arid dust storms included the great breadbaskets of the modern world.]

In discussing the important HITRAN database, ignored by climate modelers, he points out that this huge list of data on the absorption of radiation by greenhouse gases was started by the Air Force to systematically study how greenhouse gases interfere with electromagnetic energy. It is a

very good database for main greenhouse gases but not so much for rare greenhouse gases such those containing halogens. [After all, the Air Force has weapons and detection systems that need accurate information about the atmosphere.]

Happer concludes by saying that government policies to limit greenhouse gas emissions are doing enormous harm. Further, most physics is linear, but understanding climate change requires fluid mechanics, which is not linear. According to quantum mechanics pioneer Werner Heisenberg, fluid mechanics is more difficult than nuclear physics or quantum mechanics. See links under Challenging the Orthodoxy, [https://chem.libretexts.org/Bookshelves/Physical_and_Theoretical_Chemistry_Textbook_Maps/Supplemental_Modules_\(Physical_and_Theoretical_Chemistry\)/Equilibria/Le_Chateliers_Principle](https://chem.libretexts.org/Bookshelves/Physical_and_Theoretical_Chemistry_Textbook_Maps/Supplemental_Modules_(Physical_and_Theoretical_Chemistry)/Equilibria/Le_Chateliers_Principle) for Le Chatelier's principle and <http://www.sepp.org/twtwfiles/2023/TWTW%207-15-23.pdf> for Gallagher's discussion of climate history from deep sea sediments.

Standing Up: According to its web site:

“The Center for Environmental Research and Earth Sciences (CERES) is a multi-disciplinary and independent research group. The aims of CERES are to address important issues in the fields of environmental and earth sciences. The group strives to foster original and timely scientific understanding, in addition to re-examining old analyses with fresh insights. We hope to illuminate, enhance, and resolve new and open issues.

We believe scientific research should be driven by curiosity and open-minded efforts to match experimental results with theoretical understanding.”

Its Mission Statement is:

“In recent years, the scientific community appears to have prioritized defining a ‘scientific consensus’ on any scientific topic - especially politically charged topics. We believe this obsession with ‘forming a consensus’ contradicts the ethos of true scientific inquiry and open-ended scientific research.

Instead, our approach to scientific research is driven by a deep curiosity to continually expand and revisit our understanding of important scientific topics.”

This organization is not to be confused with the NASA's Clouds and the Earth's Radiant Energy System (CERES) series of instruments on some of NASA's satellite missions.

Gavin Schmidt, writing in the blog RealClimate.org, criticized some papers by the CERES group. The CERES rebuttal of that criticism begins with:

“In the last month, we have co-authored three papers in scientific peer-reviewed journals collectively dealing with the twin problems of (1) urbanization bias and (2) the ongoing debates over Total Solar Irradiance (TSI) datasets:

1. Soon et al. (2023). *Climate*. <https://doi.org/10.3390/cli11090179>. (Open access)

2. Connolly et al. (2023). *Research in Astronomy and Astrophysics*.

<https://doi.org/10.1088/1674-4527/acf18e>. (Still in press, but pre-print available here)

3. Katata, Connolly and O'Neill (2023). *Journal of Applied Meteorology and Climatology*. <https://doi.org/10.1175/JAMC-D-22-0122.1>. (Open access)

All three papers have implications for the scientifically challenging problem of the detection and attribution (D&A) of climate change. Many of our insights were overlooked by the UN's Intergovernmental Panel on Climate Change (IPCC) in their last three Assessment Reports (AR), i.e., IPCC AR4 (2007), IPCC AR5 (2013) and IPCC AR6 (2021). This means that the IPCC's highly influential claims in those reports that the long-term global warming since the 19th century was "mostly human-caused" and predominantly due to greenhouse gas emissions were scientifically premature and the scientific community will need to revisit them.

So far, the feedback on these papers has been very encouraging. In particular, Soon et al. (2023) seems to be generating considerable interest, with the article being viewed more than 20,000 times on the journal website in the first 10 days since it was published.

However, some scientists who have been actively promoting the IPCC's attribution statements over the years appear to be quite upset by the interest in our new scientific papers.

This week (September 6th, 2023), a website called RealClimate.org published a blog post by one of their contributors, Dr. Gavin Schmidt, the director of the NASA Goddard Institute for Space Studies (NASA GISS). In this post, Dr. Schmidt is trying to discredit our analysis in Soon et al. (2023), one of our three new papers, using "strawman" arguments and demonstrably false claims.

*As we summarize in Connolly et al. (2023),
'A 'straw man' argument is a logical fallacy where someone sets up and then disputes a position that was not actually made by the group being criticized. Instead, the group's arguments or points are either exaggerated, misrepresented, or completely fabricated by the critics.'*

In our opinion, while this rhetorical technique might be good for marketing, political campaigning, 'hit pieces', etc., it is not helpful for either science or developing informed opinions. Instead, we strive in our communications to take a 'steel-manning' approach. As we point out in Connolly et al. (2023),"

For the remainder of the press release, see link under Challenging the Orthodoxy.

Problems in Education: Writing in Real Clear Energy, physicist Gordon Fulks expresses significant problems in the US education system. His essay starts:

"Scientists are worried, as well they should be.

The latest recipient of the Nobel Prize in Physics, John Clauser warns that climate science has become pseudoscience. Meanwhile, Jim Skea, the new Chairman of the United Nations Intergovernmental Panel on Climate Change criticizes climate hyperbole as his boss UN Secretary-General Antonio Guterres promotes 'Global Boiling.' Additionally, high profile billionaires from Bezos and Soros to Zuckerberg and Gates throw their wealth into climate alarm. Mainstream media outlets are recruiting highly politicized young journalists to promote hysteria.

The fate of science is at stake, and consequently the fate of the civilization it supports.

The problems are not limited to climate science, where they are most obvious but affect many other areas where politics and careerism drive many to do sloppy or dishonest work. Pressure to

succeed has driven scientists to stray from the strictly objective requirements of science to Faustian Bargains that promise fame and fortune to those who bend or break the rules.

When the Climategate email scandal erupted more than a decade ago, revealing how prominent scientists were gaming the publications system to promote their ideas over competitors, we caught a glimpse of what was happening. A group, calling themselves 'climate scientists,' were profoundly cheating.

While the scientific community was deeply concerned about the corruption, many 'climate scientists' were perfectly happy to continue receiving government grants that made their lifestyles possible. And the public was largely unaware."

After citing specific examples of what can be called outright fraud, Fulks concludes:

"As the respected British journalist Matt Ridley reports, 'Outright fraud is but the tip of the iceberg. Exaggerating results is a far commoner reason why scientific publications cannot be treated as holy writ.'

Much tighter standards and better training are obviously necessary to combat this epidemic of bad science.

Yet many educators who teach young people the basics of science are moving in the opposite direction, dropping any requirement for teaching the Scientific Method. In almost every state, children no longer learn what separates science from all other human endeavors, namely rigorous objectivity and what the great physicist Richard Feynman called 'utter honesty.'

The blending of science into politics and religion should alarm everyone because it is a throwback to the Dark Ages.

Science surely involves the uncertainty of guessing what might explain something. But it is so much more than a good story. It has to be a true story. The Scientific Method involves painstaking and honest investigation of a hypothesis by gathering data to evaluate it. The agreement of one's peers is helpful but proves nothing. As Albert Einstein said, 'One man can prove me wrong.'

The use of elaborate computer models or complex mathematics is not proof unless the models can be verified against real world data. And scientific results are always subject to reevaluation as better evidence becomes available. Those claiming that 'the science is settled' are politicians and journalists, not scientists.

Students need to learn and appreciate the Scientific Method as the very foundation of science. Exaggeration, fabrication, and fraud are not science and will not sustain civilization."

See link under Challenging the Orthodoxy.

Atmospheric Temperature Trends: In commenting on the August UAH temperature trends, John Christy and Roy Spencer write:

"As mentioned last month, along with the natural warming of the current El Niño event, we are analyzing the potential (and natural) warming impacts of the 2022 eruption of the Hunga Tonga submarine volcano and its injection of water vapor into the stratosphere. Normally, a major

*tropical eruption would send large amounts of gasses such as sulfur dioxide up that high which form sun-reflecting aerosols leading to a cooling of the Earth's lower atmosphere. However, the Hunga Tonga submarine volcano eruption injected large amounts of water vapor into the stratosphere which may be overriding any aerosol cooling effects and lead to a net warming of the atmosphere. **At this point, it appears this influence will be minor, perhaps a few hundredths of degree.***" [Boldface added]

It may be that the water vapor was quickly dispersed by the solar wind. Unless it sees physical evidence indicating otherwise, TWTW accepts this view that the temperature effect on the Earth's troposphere from this increase in stratospheric water vapor will be very minor. Also, the report states:

"A note about the global temperature trend. For several years now, the trend has been extremely close to +0.135 °C/decade. This past July, the threshold of 0.135 was crossed at +0.1352 °C/decade. The global trend is now +0.14 °C/decade by rounding up."

In Fahrenheit, the trend is 0.25°F per decade which can be 5 minutes of warming on a sunny spring morning in Northern Virginia. See links under Challenging the Orthodoxy.

Utter Honesty: For the scientific method to work, and for science to advance our understanding of the world, scrupulous honesty is required. PhD climate scientist and co-director of the Climate and Energy Team at The Breakthrough Institute recognizes this but admits that to get published in the Nature journal, he ignored it. Brown writes:

*"The first thing the astute climate researcher knows is that his or her work should support the mainstream narrative—namely, that the effects of climate change are both pervasive and catastrophic and that the primary way to deal with them is not by employing practical adaptation measures like stronger, more resilient infrastructure, better zoning and building codes, more air conditioning—or in the case of wildfires, better forest management or undergrounding power lines—but through policies like the **Inflation Reduction Act**, aimed at reducing greenhouse gas emissions."* [Boldface added]

The purpose of science is to better understand, not to persuade. But political dishonesty has infected scientific institutions that depend on government grants. For Brown's essay and other comments see links under Lowering Standards.

Reliable Energy: Reliable energy at an affordable cost has brought great prosperity and human longevity to modern civilization, sometime used poorly. In claiming a false climate emergency, Washington is actively campaigning against reliable hydrocarbons (fossil fuels) offering unreliable and expensive alternatives, especially solar and wind. Several articles in this week's Wall Street Journal highlight this campaign. In "Biden Freezes U.S. Arctic Oil" the editors write:

"Oil prices have climbed this week after Saudi Arabia and Russia extended their production cuts. The Biden Administration's response? Restrict U.S. oil and gas development.

The Interior Department on Wednesday canceled seven oil and gas leases in Alaska's Arctic National Wildlife Refuge (ANWR) and moved to limit development to 13 million acres in the state's National Petroleum Reserve. 'President Biden is delivering on the most ambitious climate and conservation agenda in history,' Secretary Deb Haaland boasted.

Its climate agenda is also the most lawless and economically destructive in history. The 2017 GOP tax reform mandated two lease sales within the Coastal Plain of ANWR. The first occurred in January 2021, and the second is required to be held before Dec. 22, 2024.

Mr. Biden on his first day in office imposed a leasing moratorium in ANWR. Now Ms. Haaland is revoking seven ANWR leases issued by the Trump Administration in January 2021. She claims to have ‘the authority to cancel or suspend oil and gas leases issued in violation of a statute or regulation,’ and that the ANWR leases include ‘fundamental legal deficiencies.’

She points to ‘insufficient analysis under the National Environmental Policy Act, including failure to adequately analyze a reasonable range of alternatives and properly quantify downstream greenhouse gas emissions.’ NEPA doesn’t require a climate analysis. The Administration has written new requirements into NEPA to scotch [cancel] fossil-fuel projects.

*Speaking of deficiencies, Ms. Haaland says the Administration’s actions are ‘based on the best available science and in recognition of the Indigenous Knowledge.’ **Last year the White House Office of Science and Technology Policy issued a memo directing agencies to ‘include Indigenous Knowledge as an aspect of the best available science.’ No joke.**” [Boldface added]*

The memo encouraged agencies to consult ‘spiritual leaders’ and condemned ‘methodological dogma.’ The ‘best available science’ is whatever the climate lobby’s high priests declare. Alaska Industrial Development and Export Authority plans to challenge Interior’s cancellation of its ANWR leases, and its religious climate dogma may not hold up in court.

In “America’s Wind-Farm Revolution Is Broken” journalist Carol Ryan begins:

“Offshore wind farms should be one of the best solutions to the climate crisis but are turning out to be a lousy business. Getting the struggling industry back on its feet will require a new approach from companies and politicians alike.

The public face of the dilemma is Ørsted, a former oil and gas producer that became the world’s largest offshore wind-farm developer. The Danish company’s stock has lost more than \$10 billion, or a third of its market value since warning last week that it may take impairments of up to \$2.3 billion on its U.S. projects. On Tuesday, ratings provider Moody’s downgraded the stock, a further challenge for a company that, like a property developer, needs debt to fund its plans.

Ørsted won contracts to develop wind farms off the coasts of Connecticut, New York, and New Jersey in late 2018 and 2019. Since committing to sell the power from these projects at a fixed price, permitting delays, rising costs and higher interest rates have torched the returns it expected to make.

The Biden administration wants to have 30 gigawatts of offshore wind capacity by 2030, from less than 50 megawatts today. Generous subsidies in the Inflation Reduction Act are meant to turbocharge investment. Ørsted hoped bonus tax credits in the climate bill for using locally produced components would paper over financial cracks, but now says its wind farms may not qualify.

The company says it will abandon projects if it doesn't get more government support, and rivals are also rethinking their U.S. plans. Shell and Avangrid face multimillion-dollar fines for calling it quits on offshore wind-farm developments in Massachusetts that they can no longer justify. There is trouble further up the supply chain, too. Siemens Gamesa and Vestas, which together make roughly 80% of all turbine blades and nacelles for projects outside China, are losing money.

Of all renewable energy projects, offshore wind farms may be the most vulnerable to rising interest rates as they take longer to build and have higher upfront costs. According to George Bilicic, global head of power, energy, and infrastructure at Lazard, building a U.S. offshore wind farm can cost \$4,000 per kilowatt at the midpoint of estimates, compared with \$1,360 for onshore farms and \$1,050 for solar facilities. Average costs to build an offshore wind farm have shot up 36% since 2019, compared with 5% for land-based ones, in part because of pricier debt.

Offshore wind is a promising clean-power technology because it should be highly productive once the capital is invested. As the ocean is windy, the capacity factor of offshore farms—a measure of how efficiently they generate electricity—is higher than both onshore wind farms and solar power. Installing wind turbines out at sea is also less controversial than on land, so the politics should be easier, in theory.” Then the journalist demonstrates an ignorance of the erratic nature of offshore winds.

In “The Coming Green Energy Bailout” the WSJ editorial board writes:

“The Inflation Reduction Act (IRA) includes hundreds of billions of dollars in subsidies for green energy, yet now renewable developers want utility ratepayers in New York and other states to bail them out.

According to a report late last month by the New York State Energy Research and Development Authority (NYSERDA), large offshore wind developers are asking for an average 48% price adjustment in their contracts to cover rising costs. The Alliance for Clean Energy NY is also requesting an average 64% price increase on 86 solar and wind projects.

The IRA includes federal tax credits that can offset 50% of a project's costs. But renewable developers say their costs are increasing faster than inflation and that the projects will ‘not be economically viable and would be unable to proceed to construction and operation under their existing pricing,’ says NYSERDA.

After discussing several false claims by the climate lobby, the editorial continues:

The climate lobby says power from wind and solar is cheaper than from fossil fuels, but that's true only with generous subsidies and near-zero interest rates. Price adjustments that renewable developers want in New York would make solar and wind two- to five-times more expensive than natural gas power.

Another irony: The IRA's prevailing wage and domestic content conditions for bonus tax credits, which are necessary to make projects viable, inflate costs. That means U.S. taxpayers will pay more for the green corporate welfare, and utility ratepayers will pay more for renewable power. The climate lobby hits you coming and going.

Nyserda adds that ‘requests for inflationary relief on clean energy projects’ have also been submitted in California, Connecticut, Hawaii, Indiana, Maine, Maryland, Massachusetts, Michigan, New Jersey, New Mexico, and Rhode Island, among other states. Electric customers will get no such relief when their bills increase.

Meantime, the computer chip maker Micron Technology recently disclosed that its planned factories in upstate New York, which are set to receive up to \$5.5 billion in state subsidies, will consume as much power as New Hampshire and Vermont combined. Where will all the power come from?”

In short, it appears that many in Washington are actively promoting a huge industry that is contrary to the interests of the public. See Articles # 1, 2, & 3, and links under Alternative, Green (“Clean”) Solar and Wind

Number of the Week: 26 per 100,000 per year v 0.64 per 100,000 per year. According to Our World in Data, the decadal average death rate of natural disasters peaked in the 1920s, at 26 deaths per 100,000. [Prior data is not as complete and not considered here.] Of the 26 deaths per 100,000 23.45 came from droughts. The following decade the death rate fell to 21.5/100,000 in the 1930s with floods accounting for 20.3/100,000. The rates continued to fall until the decade of 2000 when Earthquakes accounted for 0.7/100,000 with a total of 1.2/100,000.

In the 2010s, the last full decade, the rate was 0.6/100,000 with Earthquakes accounting for 0.4/100,000. In that decade Droughts accounted for 0.03, Floods for 0.07 and Extreme weather for 0.04/100,000. These numbers reflect that prosperity has led to great resilience in addressing natural disasters. The prosperity is created in part by reliable and affordable hydrocarbons (fossil fuels).

And the UN and Washington are declaring a climate emergency?

See: <https://ourworldindata.org/grapher/decadal-average-death-rates-from-natural-disasters>

NEWS YOU CAN USE:

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

William Happer on the Environmental Benefits of CO₂

Interviewed by Anthony Watts, The Heartland Institute, Sep 2, 2023

<https://www.youtube.com/watch?v=wbzVKVbj0A>

Link to article and graph: **Diminishing returns of CO₂ on temperature**

By Staff, CO₂ Coalition, Accessed Sep 4, 2023

[https://co2coalition.org/facts/the-warming-effect-of-each-molecule-of-co2-declines-as-its-concentration-](https://co2coalition.org/facts/the-warming-effect-of-each-molecule-of-co2-declines-as-its-concentration-increases/#:~:text=Climate%20scientists%20have%20determined%2C%20and,20%20times%20that%20of%20today.)

[increases/#:~:text=Climate%20scientists%20have%20determined%2C%20and,20%20times%20that%20of%20today.](https://co2coalition.org/facts/the-warming-effect-of-each-molecule-of-co2-declines-as-its-concentration-increases/#:~:text=Climate%20scientists%20have%20determined%2C%20and,20%20times%20that%20of%20today.)

Reply to erroneous claims by RealClimate.org on our research into the Sun's role in climate change

Press Release, CERES-Science, Sep 8, 2023

<https://www.ceres-science.com/post/reply-to-erroneous-claims-by-realclimate-org-on-our-research-into-the-sun-s-role-in-climate-change>

Restoring the Scientific Method and Saving Civilization

By Gordon J. Fulks, Real Clear Energy, Sep 5, 2023

https://www.realclearenergy.org/articles/2023/09/05/restoring_the_scientific_method_and_saving_civilization_977439.html

Climate Alarmist Claim Fact Checks

By Joseph D'Aleo, CCM, ICECAP, Sep 6, 2023

http://icecap.us/index.php/go/political-climate/alarmist_claim_rebuttals_updated/

New Study: ‘Natural Climate Drivers Dominate In The Current Warming’

By Kenneth Richard, No Tricks Zone, Sep 7, 2023

<https://notrickszone.com/2023/09/07/new-study-natural-climate-drivers-dominate-in-the-current-warming/>

Link to paper; **Natural Climate Drivers Dominate in the Current Warming**

By Antero Ollila, Science of Climate Change, Vol 3.3 (2023)

<https://scienceofclimatechange.org/wp-content/uploads/Ollila-2023-Global-Warming-Review.pdf>

From abstract: The synthesis of these natural climate drivers together with anthropogenic drivers constitutes an alternative theory called Natural Anthropogenic Global Warming (NAGW), in which natural drivers have a major role in dominating the warming during the current warm period. These results mean that there is no climate crisis and a need for prompt CO2 reduction programs.”

[SEPP Comment: Author uses shortwave radiation anomaly detected by CERES satellite measurements (probably from clouds, total solar Irradiance, and Borehole temperature proxies to come to his conclusions.]

The astonishingly woke Australian Academy of Science

By Peter Ridd, Spectator Australia, Aug 3, 2023 [H/t WUWT]

<https://www.spectator.com.au/2023/08/the-astonishingly-woke-australian-academy-of-science/>

Defending the Orthodoxy

UN: The Climate Breakdown has Begun

By Eric Worrall, WUWT, Sep 8, 2023

<https://wattsupwiththat.com/2023/09/08/un-the-climate-breakdown-has-begun/>

UN Mandates of the Working Group on the issue of human rights and transnational corporations and other business enterprises.

To: Dear Mr. Nasser, Saudi Arabian Oil Co., June 26, 2023

https://spcommreports.ohchr.org/TMResultsBase/DownloadPublicCommunicationFile?gId=28094&utm_source=substack&utm_medium=email

“We have the honor to address you in our capacities as Working Group on the issue of human rights and transnational corporations and other business enterprises; Special Rapporteur on the promotion and protection of human rights in the context of climate change; Special Rapporteur on the issue of human rights obligations relating to the enjoyment of a safe, clean, healthy and sustainable environment; Special Rapporteur on the implications for human rights of the environmentally sound management and disposal of hazardous substances and wastes and Special Rapporteur on the human rights to safe drinking water and sanitation, pursuant to Human Rights Council resolutions”

Defending the Orthodoxy – Bandwagon Science

IMF Mad Hatters’ Notion of Hydrocarbon “Subsidies”

By Ron Clutz, Science Matters, Sep 7, 2023

<https://rclutz.com/2023/09/07/imf-mad-hatters-notion-of-hydrocarbon-subsidies/>

The Conversation: Today’s International Free Trade Rules are Not Suited for the Climate Crisis

By Eric Worrall, WUWT, Sep 6, 2023

<https://wattsupwiththat.com/2023/09/06/the-conversation-todays-international-free-trade-rules-are-not-suited-for-the-climate-crisis/>

Climate subsidies like the Biden Inflation Reduction Act violated international free trade rules.
The green solution: Get rid of free trade.

Questioning the Orthodoxy

Climate Change Hasn't Set the World on Fire—Bjorn Lomborg

By Paul Homewood, Not a Lot of People Know That, Sep 2, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/02/climate-change-hasnt-set-the-world-on-fire-bjorn-lomborg/>

[SEPP Comment: From a WSJ article on July 31.]

Lomborg on the 21st century part 2: impacts of warming

By John Robson, Climate Discussion Nexus, Sep 6, 2023

<https://climatediscussionnexus.com/2023/09/06/lomborg-on-the-21st-century-part-2-impacts-of-warming/>

“The key to resiliency is wealth and prosperity, as proven by the dramatic decline in climate-related deaths over the past century...”

Why CO2 is Not a Pollutant

By Robert Bradley Jr., Master Resource, Sep 8, 2023

<https://www.masterresource.org/carbon-dioxide/why-co2-is-not-a-pollutant/>

Why value investors should doubt “climate science”

By nature they're sceptics, and at key junctures become contrarians. I show why they should disbelieve the orthodoxy – and why it matters.

By Chris Leithner, Leithner & Company, Sep 4, 2023 [H/t WUWT]

<https://www.livewiremarkets.com/wires/why-value-investors-should-doubt-climate-science>

“Five years after Guterres' risible outburst ('global boiling' is his latest; it surely won't be his last), and three years after his deadline, actual and eminent scientists like John Christy, John Clauser, Judith Curry, William Happer, Steven Koonin and Richard Lindzen remain far closer to the truth.”

Manmade Climate Change Remains Unproven, Dutch, German Scientists Say

By P Gosselin, No Tricks Zone, Sep 8, 2023

<https://notrickszone.com/2023/09/08/manmade-climate-change-remains-unproven-dutch-german-scientists-say/>

[SEPP Comment: Discussion of the Soon, et al. paper presented last week.]

After Paris!

African Climate Summit Demands a Slice of All Western Movements of Goods or Money

By Eric Worrall, WUWT, Sep 7, 2023

<https://wattsupwiththat.com/2023/09/07/african-climate-summit-demands-a-slice-of-all-western-movements-of-goods-or-money/>

Seeking a Common Ground

The Effect of a Short Observational Record on the Statistics of Temperature Extremes

By Joel Zeder, et al., Geophysical Research Letters, Aug 25, 2023 [H/t WUWT]

<https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2023GL104090?campaign=topicalert&topicscope=2dc820d3-3443-3933-98f0-0c9f57556905.a7f0ceaa-0767-3738-a27c-587bbc95b268>

Among the key points: “Future analysis should account for the statistical implications of the selection bias if the analysis is triggered by an extreme event.”

Farms that create habitat key to food security and biodiversity

Press Release, Stanford University, Sep 4, 2023

<https://www.eurekalert.org/news-releases/1000247>

Link to paper: **Diversified farms bolster forest-bird populations despite ongoing declines in tropical forests**

By J. Nicholas Hendershot, et al., PNAS, Sep 5, 2023 [H/t WUWT]

<https://www.pnas.org/doi/10.1073/pnas.2303937120>

[SEPP Comment: *Old growth forests in any climate are a monoculture with fewer animals than forest edges.*]

New Podcast: My Views on Global Warming and Climate Change

By Cliff Mass, Weather Blog, Sep 4, 2023

<https://cliffmass.blogspot.com/2023/09/new-podcast-my-views-on-global-warming.html>

Science, Policy, and Evidence

Property owners who don't comply with new energy rules may face prison

By Paul Homewood, Not a Lot of People Know That, Sep 2, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/02/property-owners-who-dont-comply-with-new-energy-rules-may-face-prison/>

Models v. Observations

Do CMIP5 models skillfully match actual warming?

Why matching of CMIP5 model-simulated to observed warming does not indicate model skill

By Nic Lewis, Climate Etc. Sep 5, 2023

<https://judithcurry.com/2023/09/05/do-cmip5-models-skillfully-match-actual-warming/>

[SEPP Comment: *Changing the model results to reflect accepted surface temperature records does not increase the skill of the models to make predictions.*]

Measurement Issues -- Surface

The Earth Has No Average Temperature

By Guy K. Mitchell, Jr., American Thinker, Sep 8, 2023

https://www.americanthinker.com/articles/2023/09/the_earth_has_no_average_temperature.html

Measurement Issues -- Atmosphere

UAH Global Temperature Update for August 2023: +0.69 deg. C

By Roy Spencer, His Blog, Sep 4, 2023

<https://www.drroyspencer.com/2023/09/uah-global-temperature-update-for-august-2023-0-69-deg-c/>

Global Temperature Report, August 2023

By Staff, Earth System Science Center, UAH, Sep 5, 2023

Map: https://www.nsstc.uah.edu/climate/2023/august2023/202308_Map.png

Graph: https://www.nsstc.uah.edu/climate/2023/august2023/202308_Bar.png

Text: https://www.nsstc.uah.edu/climate/2023/august2023/GTR_202308AUG_v1.pdf

Changing Weather

Climate Change causes a remarkable decline in cyclones in the Indian Ocean

By Jo Nova, Her Blog, Sep 8, 2023

<https://joannenova.com.au/2023/09/climate-change-causes-a-remarkable-decline-in-cyclones-in-the-indian-ocean/>

Link to paper: Pacific decadal oscillation causes fewer near-equatorial cyclones in the North Indian Ocean

By Shinto Roose, et al., Nature Communications, Aug 28, 2023

<https://www.nature.com/articles/s41467-023-40642-x#Fig1>

Major El Nino Developing

By Cliff Mass, Weather Blog, Sep 8, 2023

<https://cliffmass.blogspot.com/2023/09/major-el-nino-developing.html>

Pacific Typhoon Frequency Trending Down, Contradicting Earlier Climate Predictions

By P Gosselin, No Tricks Zone, Sep 5, 2023

<https://notrickszone.com/2023/09/05/pacific-typhoon-frequency-trending-down-contradicting-earlier-climate-predictions/>

Stuff you're not allowed to know #3: extreme rainfall

By John Robson, Climate Discussion Nexus, Sep 6, 2023

<https://climatediscussionnexus.com/2023/09/06/stuff-youre-not-allowed-to-know-3-extreme-rainfall/>

The Safe Climate Of 1896

By Tony Heller, His Blog, Sep 4, 2023

<https://realclimatescience.com/the-safe-climate-of-1896/>

Our Global Boiling Summer Was As Hot As 1857!

By Paul Homewood, Not a Lot of People Know That, Sep 4, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/04/our-global-boiling-summer-was-as-hot-as-1857/>

Changing Climate

Floods of the Namib Desert of Africa

By John Robson, Climate Discussion Nexus, Sep 6, 2023

<https://climatediscussionnexus.com/2023/09/06/floods-of-the-namib-desert-of-africa/>

From the CO2Science archive.

Changing Seas

History Shows Today's Ocean at Cool End of Range

By Ron Clutz, Science Matters, Sep 5, 2023

<https://rclutz.com/2023/09/05/history-shows-todays-ocean-at-cool-end-of-range/>

Link to paper: **Combining Modern and Paleoclimatographic Perspectives on Ocean Heat Uptake**

By Goeffrey Gebbie, Annual Review of Marine Science, 2021

<https://www.annualreviews.org/doi/full/10.1146/annurev-marine-010419-010844>

From the abstract: "The large climatic shifts that started with the melting of the great ice sheets have involved significant ocean heat uptake that was sustained over centuries and millennia, and modern-ocean heat content changes are small by comparison."

Changing Cryosphere – Land / Sea Ice

Greenland Icecap – 2023

By Paul Homewood, Not a Lot of People Know That, Sep 2, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/02/greenland-icecap-2023/>

“In the end, it [the Arctic] will just melt away quite suddenly”

By Tony Heller, His Blog, Sep 6, 2023

<https://realclimatescience.com/in-the-end-it-will-just-melt-away-quite-suddenly/>

1930: “Alpine glaciers are in full retreat.”

By Tony Heller, His Blog, Sep 4, 2023

<https://realclimatescience.com/1930-alpine-glaciers-are-in-full-retreat/>

Lowering Standards

I Left Out the Full Truth to Get My Climate Change Paper Published

I just got published in Nature because I stuck to a narrative, I knew the editors would like. That’s not the way science should work.

By Patrick T Brown, The Free Press, Sep 5, 2023

https://www.thefp.com/p/i-overhyped-climate-change-to-get-published?publication_id=260347&post_id=136648096&isFreemail=true

Scientists avoid key facts to get published

Weather Rant by Professor Art Horn, Meteorologist AMS, Via ICECAP, Sep 7, 2023

http://icecap.us/index.php/go/joes-blog/scientists_avoid_key_facts_to_get_published/

How to Publish a High-Profile Climate Change Research Paper

By Rober Caiazza, WUWT, Sep 5, 2023

<https://wattsupwiththat.com/2023/09/05/how-to-publish-a-high-profile-climate-change-research-paper/>

Carbon Language in Global Error

By Steve Goreham, Master Resource, Sep 5, 2023

<https://www.masterresource.org/debate-issues/carbon-language-global-error/>

“Labeling carbon dioxide ‘carbon’ is as foolish as calling salt ‘chlorine.’ Carbon and carbon dioxide (CO₂) are completely different substances.... Suppose we start calling CO₂ ‘carbon dioxide’ and quit referring to it as a pollutant?”

Science deniers

By John Robson, Climate Discussion Nexus, Sep 6, 2023

<https://climatediscussionnexus.com/2023/09/06/science-deniers/>

“If we ‘deniers’ talked like this, our credibility would be in a heap of trouble. People would say we exaggerated hysterically when we weren’t just making stuff up and stonewalled when caught. But when you get to just imagine world peace or no religion, or no net emissions, the rules are different.”

Rewriting History At NASA

By Tony Heller, His Blog, Sep 4, 2023

<https://realclimatescience.com/rewriting-history-at-nasa/>

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

Clueless Marlow Thinks More Intermittent Energy Is The Answer To The Problems Of Intermittency!!

By Paul Homewood, Not a Lot of People Know That, Sep 2, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/02/clueless-marlow-thinks-more-intermittent-energy-is-the-answer-to-the-problems-of-intermittency/>

Anatomy of a hurricane scare

By John Robson, Climate Discussion Nexus, Sep 6, 2023

<https://climatediscussionnexus.com/2023/09/06/anatomy-of-a-hurricane-scare/>

Media Ignores Story of Unjustified Retraction of a Climate Skeptical Paper Due to Bullying

By Anthony Watts, WUWT, Sep 3, 2023

<https://wattsupwiththat.com/2023/09/03/media-ignores-story-of-unjustified-retraction-of-a-climate-skeptical-paper-due-to-bullying/>

Now rain is dangerous

By John Robson, Climate Discussion Nexus, Sep 6, 2023

<https://climatediscussionnexus.com/2023/09/06/now-rain-is-dangerous/>

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

How would you tell?

By John Robson, Climate Discussion Nexus, Sep 6, 2023

<https://climatediscussionnexus.com/2023/09/06/how-would-you-tell/>

“Which is problematic given that if there’s a drought, alarmists say climate change caused it, and if there’s a flood, alarmists say climate change caused it, and if there are both or neither ditto. And because they often fail to check those boring historical records to see whether a place has typically been prone to either or both. But now ‘Scientists show’.”

Communicating Better to the Public – Make things up.

Geologist Dr. Ian Plimer counters USA Today’s ‘fact-check’ on CO2 levels: Media’s ‘fact-checking resorted to lies & omissions’

By Marc Morano, Climate Depot, Sep 4, 2023

<https://www.climatedepot.com/2023/09/04/geologist-dr-ian-plimer-counters-usa-todays-fact-check-on-co2-levels-medias-fact-checking-resorted-to-lies-omissions/>

The penguins get it

By John Robson, Climate Discussion Nexus, Sep 6, 2023

<https://climatediscussionnexus.com/2023/09/06/the-penguins-get-it/>

“That perennial alarmist favorite, the end of Antarctica as we know it, is back.”

Communicating Better to the Public – Use Propaganda

BBC’s Extreme Summer Weather Propaganda

By Paul Homewood, Not a Lot of People Know That, Sep 5, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/05/bbcs-extreme-summer-weather-propaganda/>

Despite Extreme Heat Claims, Germany’s Summer Not Even Warm Enough For Public Swimming Pools

By P Gosselin, No Tricks Zone, Sep 2, 2023

<https://notrickszone.com/2023/09/02/despite-extreme-heat-claims-germanys-summer-not-even-warm-enough-for-public-swimming-pools/>

“To reach this conclusion [of hottest ever], the DWD uses the 1961-1990 temperature reference period – a period we know was the among the very coolest over the 20th century.]

LA Times Again Hypes Mandated Relocation of Coastal Properties Based on Flawed Sea Level Rise Propaganda

By Larry Hamlin, WUWT, Sep 8, 2023

<https://wattsupwiththat.com/2023/09/08/1-a-times-again-hypes-mandated-relocation-of-coastal-properties-based-on-flawed-sea-level-rise-propaganda/>

“The L A Times does a terrible job at addressing the huge and extraordinary world of the California coastline regions and the monumental value, benefits and success that changes to its coastline have brought to the state and all who live here.

“The Times simply ignores the massive scale of extraordinary benefits and accomplishments that have been achieved along the California coastline and proceeds with its purely politically contrived and scientifically unsupported cause of ‘fighting climate change’ while making false and ridiculous claims that a 166-year-old coastal wharf didn’t last longer because of the Times unsupported hype alleging stronger storms.”

Hurricane Idalia could be US’s costliest climate disaster this year – Independent

By Paul Homewood, Not a Lot of People Know That, Sep 2, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/02/hurricane-idalia-could-be-uss-costliest-climate-disaster-this-year-independent/>

“Does anybody actually believe the Independent?”

Communicating Better to the Public – Protest

The “Ocean State” or the “Windmill State”? A Resignation that Speaks Volumes

By Charles Rotter, WUWT, Sep 2, 2023

<https://wattsupwiththat.com/2023/09/02/the-ocean-state-or-the-windmill-state-a-resignation-that-speaks-volumes/>

Link to letter: **Fishermen’s Advisory Board Done Playing Role in CRMC’s Political Theater**

To Jeff Willis, the executive director of the [Rhode Island] Coastal Resources Management Council, Sep 1, 2023

<https://ecori.org/fishermens-advisory-board-done-playing-role-in-crmcs-political-theater/>

Link to Rhode Island Ocean Special Area Management Plan (Ocean SAMP)

<https://www.seagrant.gso.uri.edu/oceansamp/index.html>

“The Ocean SAMP catalyzed Rhode Island’s leadership as the only state with an offshore wind operation, with the Block Island Wind Farm now generating clean and renewable energy for Rhode Island. The Ocean SAMP both drew upon, and contributed to, the Offshore Renewable Energy efforts of the European Union, and inspired the creation of a URI marine spatial planning practitioners’ global network attracting ocean planners from as far away as China and New Zealand.”

Questioning Green Elsewhere

Green Energy Grinding to a Halt

By Ron Clutz, Science Matters, Sep 3, 2023

<https://rclutz.com/2023/09/03/green-energy-grinding-to-a-halt/>

The Latrobe Valley's Doomed Green Dreams

By John Cameron, Quadrant Online, Sep 7, 2023

<https://quadrant.org.au/opinion/doomed-planet/2023/09/the-latrobe-valleys-doomed-green-dreams/>

Funding Issues

The RBA's Cock and Bullock Climate Myth

By Alan Moran, Quadrant, Sep 8, 2023

<https://quadrant.org.au/opinion/doomed-planet/2023/09/the-rbas-cock-and-bullock-climate-myth/>

[SEPP Comment: Apparently, RBA is the Reserve Bank of Australia.]

Litigation Issues

Alaska sues Biden over protections for Tongass National Forest

By Rachel Frazin, The Hill, Sep 8, 2023

<https://thehill.com/policy/energy-environment/4194888-alaska-sues-biden-over-protections-tongass-forest/>

“The Biden administration restored the protections on more than 9 million acres that were rolled back under the Trump administration in January, citing biodiversity and climate change in its reasoning.”

Subsidies and Mandates Forever

New Report Reveals Costly Shift In Green Energy Landscape

By Zero Hedge, Oil Price.com, Sep 6, 2023

<https://oilprice.com/Energy/General/New-Report-Reveals-Costly-Shift-In-Green-Energy-Landscape.html>

“The Inflation Reduction Act (IRA) includes hundreds of billions of dollars in subsidies for green energy, yet now renewable developers want utility ratepayers in New York and other states to bail them out.”

EPA and other Regulators on the March

PFAS: EPA's Campaign To Promote Fear Over Facts

By Susan Goldhaber MPH, ACSH, Aug 29, 2023

<https://www.acsh.org/news/2023/08/29/pfas-epa%E2%80%99s-campaign-promote-fear-over-facts-17284>

Energy Issues – Non-US

Dismal UK CFD auction results may be a landmark moment

Press release, Net Zero Watch, Sep 8, 2023

<https://www.netzerowatch.com/ar5-cfd-auction-results/>

“Government seems to have believed the spin about falling offshore wind costs, and set a low cap on bids for new contracts, thus calling the wind industry's bluff by accident. Doubtless, the industry will now beg for new and higher subsidies, blaming inflation and supply chain problems. The government should not believe this spin. As global experience shows, wind power is extremely and intrinsically expensive.”

Net Zero Watch says Government “hopelessly divided” over climate issues

Press Release, Net Zero Watch, Sep 4, 2023

<https://www.netzerowatch.com/government-divided-over-climate-issues/>

UK Now "Hopelessly Divided" Over The Net Zero Program

By Francis Menton, Manhattan Contrarian, Sep 4, 2023

<https://www.manhattancontrarian.com/blog/2023-9-4-uk-now-hopelessly-divided-over-the-net-zero-program>

“Eventually, reality will defeat the fantasy. The only question is how much senseless damage will be done in the meantime.”

Net Zero Offshore Wind

By Paul Homewood, Not a Lot of People Know That, Sep 8, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/08/net-zero-offshore-wind/#more-67074>

Turn on your heat pump when wind is blowing, Government pleads

By Paul Homewood, Not a Lot of People Know That, Sep 5, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/05/turn-on-your-heat-pump-when-wind-is-blowing-government-pleads/>

[SEPP Comment: And keep it off when it is still, regardless of how hot or cold it becomes.]

Now the UK government wants to control your kitchen fridge or send you to jail

By Jo Nova, Her Blog, Sep 6, 2023

<https://joannenova.com.au/2023/09/now-the-uk-government-wants-to-control-your-kitchen-fridge-or-send-you-to-jail/>

North Sea oil production falls at fastest pace in a decade as Labour fears deter investment

By Paul Homewood, Not a Lot of People Know That, Sep 6, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/06/north-sea-oil-production-falls-at-fastest-pace-in-a-decade-as-labour-fears-deter-investment/>

The Energy Bill is an attack on freedom and home ownership

By Paul Homewood, Not a Lot of People Know That, Sep 6, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/06/the-energy-bill-is-an-attack-on-freedom-and-home-ownership/>

Energy Issues -- US

The Elites Directing The Energy Transition Really Have No Idea What They Are Doing

By Francis Menton, Manhattan Contrarian, Sep 6, 2023

<https://www.manhattancontrarian.com/blog/2023-9-6-the-elites-directing-the-energy-transition-really-have-no-idea-what-they-are-doing>

Link to: **How battery energy storage can power us to Net Zero**

By Dr Amit Jain, Energy Storage Program Lead, World Bank, et al., World Economic Forum, Sep 5, 2023

<https://www.weforum.org/agenda/2023/09/battery-energy-storage-renewable-energy-net-zero/>

Washington's Control of Energy

Protecting 'Sacred' Lands As Part of 'Managed Decline'

By Duggan Flanakin, Cornwall Alliance, Sep 6, 2023

<https://cornwallalliance.org/2023/09/protecting-sacred-lands-as-part-of-managed-decline/>

Why Is Joe Biden Blocking U.S. Energy Development?

By Daniel Turner, Real Clear Energy, Sep 6, 2023

https://www.realclearenergy.org/articles/2023/09/06/why_is_joe_biden_blocking_us_energy_development_977744.html

The Shocking Truth About Biden's Proposed Energy Fuel Standards

By Mike Shedlock, Mish Talk, Aug 26, 2023

<https://mishtalk.com/economics/the-shocking-truth-about-bidens-proposed-energy-fuel-standards/>

Oil and Natural Gas – the Future or the Past?

One Week - A Record Seven Days For Gulf Coast Crude Exports, And A Lot More

By Housley Carr, RBN Energy, Sep 1, 2023

<https://rbnenergy.com/one-week-a-record-seven-days-for-gulf-coast-exports-and-a-lot-more>

Alternative, Green (“Clean”) Solar and Wind

No bids for offshore wind in government auction

By Michael Race, BBC, Sep 8, 2023

<https://www.bbc.com/news/business-66749344>

What, No Offshore Wind?

By Paul Homewood, Not a Lot of People Know That, Sep 7, 2023

<https://notalotofpeopleknowthat.wordpress.com/2023/09/07/what-no-offshore-wind/>

Why wind and solar power are running out of juice

By Jonathan Lesser, New York Post, Sep 2, 2023

<https://nypost.com/2023/09/02/why-the-promise-of-green-energy-has-yet-to-deliver/>

'It's just a big rattlesnake farm': Wind-farm waste creates 'hazardous' new problem

'The county doesn't have and cannot find millions of dollars to clean this up'

By WND News Services, Sep 5, 2023 [H/t Bernie Kepshire]

https://www.wnd.com/2023/09/just-big-rattlesnake-farm-wind-farm-waste-piling-new-hazard/?utm_source=Email&utm_medium=wnd-breaking&utm_campaign=breaking&utm_content=breaking&ats_es=d038faf921d148445d09e65f22c382c5&ats_ess=98d551973ebd41dc0f60c6779089d8d635fddd35017b47a4e9d6ef2e759aad4b

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

The Elites Directing The Energy Transition Really Have No Idea What They Are Doing

By Francis Menton, Manhattan Contrarian, Sep 6, 2023

<https://www.manhattancontrarian.com/blog/2023-9-6-the-elites-directing-the-energy-transition-really-have-no-idea-what-they-are-doing>

Link to: **How battery energy storage can power us to Net Zero**

By Dr Amit Jain, Energy Storage Program Lead, World Bank, et al., World Economic Forum, Sep 5, 2023

<https://www.weforum.org/agenda/2023/09/battery-energy-storage-renewable-energy-net-zero/>

Alternative, Green (“Clean”) Vehicles

Zero Net EV Economic, Climate Benefits and Gov't Admits It

By Larry Bell, Newsmax, Sep 6, 2023

<https://www.newsmax.com/larrybell/ev-climate-zero-net/2023/09/06/id/1133429/>

“After factoring in a 2% increase in mandated requirements each year with an estimated \$5.8 billion reduction in public welfare spread across the life of total drivers' cars — including wildly speculative climate change benefits — net costs of transportation "alternatives" proposed by DOT are estimated at very nearly twice that amount (\$11 billion).

“Another revelation is that even by DOT's estimates, the proposed legislation would reduce average global temperatures in 2060 by 0.000%.”

Electric vehicles catch fire after being exposed to saltwater from Hurricane Idalia

By Eric Worrall, WUWT, Sep 3, 2023

<https://wattsupwiththat.com/2023/09/03/electric-vehicles-catch-fire-after-being-exposed-to-saltwater-from-hurricane-idalia/>

Carbon Schemes

Heirloom and Microsoft sign one of the largest permanent CO2 removal deals to-date

The purchase unlocks key project financing mechanism to dramatically scale and reduce the cost of Heirloom's Direct Air Capture facilities

Press Release, Heirloom, Sep 7, 2023

<https://www.heirloomcarbon.com/news/heirloom-and-microsoft-sign-permanent-co2-removal-deal>

“Heirloom builds low-cost Direct Air Capture technology that will permanently remove CO2 at a billion-ton scale. Our technology rapidly accelerates the natural processes that enable limestone to absorb CO2 from the air from a timespan of years to days.”

Microsoft funding new approach for carbon removal

By Nick Roberston, The Hill, Sep 7, 2023

<https://thehill.com/business/4193168-microsoft-funding-new-approach-for-carbon-removal/>

“Microsoft agreed to fund a carbon capture technology that uses the natural properties of limestone to take carbon dioxide out of the atmosphere, the startup firm Heirloom Carbon announced Thursday.

“Heirloom's Louisiana facility was selected to receive up to **\$600 million** from the Department of Energy last month, funding provided by the Bipartisan Infrastructure Law passed under the Biden administration.” [Boldface added]

Carbon Capture Can Enable Realistic Path to Net Zero Emissions

By Hugh Daigle, Real Clear Energy, Sep 5, 2023

https://www.realclearenergy.org/articles/2023/09/05/carbon_capture_can_enable_realistic_path_to_net_zero_emissions_977589.html

“In use since the 1970s, CCS is a proven technology, deployed worldwide today by some 40 commercial facilities to reduce the carbon intensity of largescale industrial processes. Another 500 CCS projects are already in development, including 50 announced in the past year alone that are on track to capture around 125 megatons of carbon dioxide per year by 2030...”

“To achieve net zero goals, however, the IEA says we'll need to significantly increase this capture capacity to 7.6 billion tons of carbon per year by 2050.”

[SEPP Comment: *What about the rest of the world with total emissions of 37 billion metric tonnes?*]

BELOW THE BOTTOM LINE

WEF: CO2 And Methane Emissions Cause Pandemics

By Tony Heller, His Blog, Sep 6, 2023

<https://realclimatescience.com/wef-co2-and-methane-emissions-cause-pandemics/>

[SEPP Comment: A World Economic Forum Spokesperson saying greenhouse gases are causing viruses? What happened when urban areas were full of horses and their manure?]

Tidbits

By John Robson, Climate Discussion Nexus, Sep 6, 2023

<https://climatediscussionnexus.com/2023/09/06/tidbits-28/>

“From the ‘retreat into verbose fantasy’ file, Reuters Sustainable Switch misinforms its readers that ‘The countdown to Africa Climate Week, set to expand its transformative agenda next week, has begun.’ Which apparently involves more pointless bickering over distributing large sums the West won’t be forking over.

Six bn tonnes of sand extracted from world's oceans each year: UN

By Agnès Pedrerp, Geneva (AFP) Sept 5, 2023

https://www.terraily.com/reports/Six_bn_tonnes_of_sand_extracted_from_worlds_oceans_each_year_UN_999.html

Retcon Climate Science Blames Humans For Fires 13,000 Years Ago

By Jeff Reynolds, The Federalist, Sep 1, 2023

<https://thefederalist.com/2023/09/01/retcon-climate-science-blames-humans-for-fires-13000-years-ago/>

Link to paper: **Pre–Younger Dryas megafaunal extirpation at Rancho La Brea linked to fire-driven state shift**

By F. Robin O’Keefe, AAAS Science, Aug 18, 2023

<https://www.science.org/doi/10.1126/science.abo3594>

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1. Biden Freezes U.S. Arctic Oil

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Even with generous green subsidies, offshore wind projects are being called off as developers struggle to make a profit

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