

The Week That Was: 2024 06-01 (June 1, 2024)

Brought to You by SEPP (www.SEPP.org)

The Science and Environmental Policy Project

Quote of the Week: “*Nobody understands quantum mechanics.*”— Richard Feynman – Nobel laureate in Quantum Physics

Number of the Week: 55%

THIS WEEK:

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

Scope: A second part of John Clauser’s address to the ICSF and CLINTEL is discussed. Mark Mills discussed the need for reliable and affordable electricity for the growing high-tech industries. A possible new source for lithium, which is needed for electric vehicles batteries is presented. And how Washinton reacts to consumers complaining about high gasoline prices is revealed.

John Clauser II: In his Zoom address to the Irish Climate Science Forum and CLINTEL, Nobel laureate in physics John Clauser delivered the most devastating critique of the science used by the UN Intergovernmental Panel on Climate Change (IPCC) and its collaborators. Clauser’s Nobel is for Quantum Theory, a heavily mathematical field. He is neither intimidated nor impressed by the climate modeling community. TWTW tried to accurately reproduce the slides Clauser presented in the middle third of his presentation (from about 27 minutes to 36.5 minutes) with his emphasis. The following starts with the fudged basic power-imbalance calculations used by the IPCC in its Sixth Assessment Report (AR6, 2021). The power flow diagrams are not presented here.

“Albedo for cloudy skies is estimated to be 0.36, Wilde *et al* (2019), while direct measures indicate about 0.8.

The Wild *et al.* (2019)’s diagram is copied directly by AR6 (2021), except for added **fudges**. The power fluxes and error bounds presented here are copied from the top lines of their nearly identical power-flow diagrams. The **fudged** power imbalances are copied directly from the associated lower left-hand corners.”

[Please note: Clauser realizes that the changing orbit of Earth around the Sun causes a significant error range in any specific estimate of solar intensity hitting Earth, also the Top of Atmosphere calculations have significant variations and that measuring small quantities by subtracting large ones leads to large uncertainties, and that in mathematics, you square the errors, sum them, then take the square root of the sum. None of this is done in the science presented by the IPCC and its followers. Clauser **takes their numbers** and asserts they lead to results showing no warming. Yet, the IPCC shows significant warming. Below, TWTW notes are in brackets.]

“Power imbalance analysis by Wild et al. (2019 and AR6 (2021) – imbalance and error bars fudged – 2 [slide number]

	Wild et al. (2019)	AR6 (2021)
Incident ShortWave power (W/m2) see note**	+340.1±0.5	+340.5±0.5.
Outgoing ShortWave power	-98 ± 2	-98.5 ± 1.5
Outgoing LongWave power	<u>-239± 3</u>	<u>-239± 2.5</u>
Power imbalance reported at bottom (lower left-hand corner of Figures)	+0.6± 0.4 (warming)	+0.7± 0.2. (strong warming)
Net “calculated” power imbalance (jfc)	3.5± 3.6 (no warming)	2.5± 3.0. (no warming)

[Boldface added: note that in jfc’s (Clauser’s) calculations the error range of the warming is greater than the calculated warming.]

- The infamous Loeb *et al.* (2012) global warming BAD PENNY reappears once again in Wild *et al.* (2019) [Note: the bad penny is adding error linearly, not properly: you square the errors, sum them, then take the square root of the sum.]

Power imbalance analysis by Wild et al. (2019 and AR6 (2021) – imbalance and error bars fudged – 3 [slide number]

The arithmetically incorrect **fudged** numbers shown in red are the values reported at bottom of their power flow diagrams. My last line gives the correct summation. [Note: fudged meaning overstating the results to produce the desire results.]

Wild *et al.* (2019) introduce an innovative technique for data fudging: The Incident ShortWave power reported by previous power-flow maps (e.g., by Stephens and L’Ecuyer (2015), is typically 340 ± 0.1 W/m2. Wild et al. (2019) and AR6 (2021) assume 340 ± 0.5 W/m2, round upwardly the center of their asymmetric error-limit range by + 0.5 W/m2 and show both limits correspondingly rounded (upwardly) to the **nearest whole number**, as per 340 (340,341) W/m2. Note that their upward rounding amount, +0.5 W/m2, similarly shifts upwardly their calculated power imbalance by almost all their reported net power imbalances, +0.5 +/-0.4 and 0.7 ± 0.2 .

[New slide]

NOAA’S Scientific disinformation hoax asserting that the frequency of extreme weather events is increasing.

- 2012, Physics Today article “*Predicting and Managing Extreme Weather Events: -- Earth’s climate is warming, and destructive weather is growing more prevalent. Coping with the changes will require collaborative science, forward-thinking policy, and an informed public.*”

- Authors: Jane Lubchenco, undersecretary of oceans and atmosphere at the US Dept. of Commerce, and NOAA administrator, and Thomas Karl, Director of NOAA's climate data center and chair of the US Global Change Program
- The article asserts that there is an increase in extreme weather event frequency that is associated with climate in the three decades ending in 2012.
- The article presents data in Their Fig 2a displaying NOAA's Weather and Climate Extremes Index. That index is NOAA's numerical composite measure of frequency of so-called extreme weather events, including hot-spells, cold-spells, droughts, floods, land-falling hurricanes, etc. (EF3+ tornado frequency is conspicuously absent from the list, presumably because it was actually decreasing. See Koonin, pp. 124-125)
- The authors assert that their climate extremes index has 'obviously' grown steadily over the last three decades. I assert here that their own data in their Fig. 2a disprove their own assertion."

[Clauser takes their data and plots it twice, once forward in time and second backward in time. You cannot tell them apart. There is no trend. One of the authors of this report, Jane Lubchenco, was the administrator of NOAA. Today, she is the Deputy Director for Climate and Energy of the White House Office of Science and Technology Policy (OSTP) which in May 2021 launched the Scientific Integrity Task Force. Her position clearly indicates what Washington thinks of scientific integrity. <https://www.whitehouse.gov/ostp/news-updates/2021/05/10/the-white-house-announces-scientific-integrity-task-force-formal-launch-and-co-chairs/>]

“Part I – Conclusions – Slide 1 & 2

1. The IPCC and its contributors claim the Earth has a net-warming energy imbalance. I show here that those claims are false.
2. The IPCC bases its claims on computer modeling of the Earth's atmosphere, and on observational data from a variety of observational modalities. Both the computer models and the observational data are grossly flawed **and fudged**.
3. The IPCC's computer modeling and its predictions are totally unreliable. There is something clearly very wrong with the physics incorporated within these computer models. Since the computer models can't even explain the past why should anyone trust their predictions for the future?
4. Not one of the observational modalities for measuring the Earth's power imbalance convincingly shows net global warming.
5. **I show where various observers and the IPCC have dishonestly fudged their reported data, and have dishonestly changed it from showing No Warming, to showing Warming. Crucially important data fudges are revealed here and highlighted in red. If you don't believe me, check my arithmetic.**

6. The IPCC and NOAA further claim that the purported power imbalance has already caused an increase in dangerous extreme weather events. **NOAA's own data disprove their own claims.**
7. **I thus offer Great News. Despite what you may have heard from the IPCC and others, there is no real climate crisis! The planet is NOT in peril!**
8. **The IPCC's (and NOAA's) claims are a hoax. Trillions of dollars are being wasted."**

PART II – The cloud thermostat – Slides 1, 2, & 3

1. “So, what is really happening? Why is the earth’s climate actually as stable as it really is?”
2. The cloud thermostat mechanism is clearly the overwhelmingly dominant climate controlling feedback mechanism that controls, stabilizes, the Earth’s climate and temperature. It thereby prevents global warming and climate change.
3. The cloud-thermostat mechanism provides very powerful feedback that stabilizes the Earth’s climate and temperature. Its great strength obtained from [is demonstrated by] the observed large fluctuation of the Earth’s power imbalance.
4. The mechanism gains its strength from the Earth’s observed very large cloud-cover variation. The power imbalance is actually observed to be continuously strongly fluctuating by anywhere between 18 to 55 W/m².
5. Clouds modulate the outgoing Shortwave power and therefore control the Earth’s power imbalance, minimally with an 18 W/m² available power range (ignoring the added 18 W/m² solar-constant variation), which is minimally 26 times the IPCC’s 0.7 W/m² claimed power imbalance, and 45 times the IPCC’s ± 0.2 W/m² power imbalance error range.
6. The above numbers use the IPCC’s assumed data parameters. With more realistic assumptions, the cloud-thermostat mechanism controls the Earth’s power imbalance with a 73 W/m² available power range, which is 100 times bigger than the IPCC’s 0.7 W/m² claimed power imbalance, and 180 times bigger than the IPCC’s ± 0.2 W/m² power imbalance error range.
7. This seemingly random fluctuation of the power imbalance is not random at all but is actually a crucial part of a thermostat-like feedback mechanism that controls and stabilizes the Earth’s climate and temperature. It is observed by King et al. (2013) and by Stephens et al. (2015) to be quasi-periodic.

8. Just like the thermostat in your home, the power-imbalance is never zero. The furnace or AC is always either ON or OFF. The thermostat simply modulates the heating/cooling duty cycle.

Features of the cloud thermostat mechanism.

1. In preparation for the introduction of this model, I first describe the important, underappreciated, but conspicuous properties of clouds – their variability and their strong reflectivity of sunlight (SW radiation).
2. I show that the cloud-thermostat mechanism involves the dominant (73%) use of sunlight energy by the planet.
3. I show that when the -cloud-thermostat mechanism is viewed as a form of climate-stabilizing negative feedback, it is by far the most powerful of any such mechanism theretofore considered.
4. The IPCC estimates that the net stabilizing feedback strength or the Earth's climate, including the destabilizing feedback strength of greenhouses [greenhouse gases] is about $-1 \text{ W/m}^2/\text{°C}$.
5. I show that the cloud thermostat feedback increases the net natural stabilizing feedback strength to anywhere between $-7 \text{ W/m}^2/\text{°C}$ and $-17 \text{ W/m}^2/\text{°C}$, depending on the assumptions used.”

Next week TWTW will present Clauser's arguments why he is sure of his cloud-thermostat feedback. This will include some of the important properties of clouds, especially those obtained by observations from satellite photographs. He discusses the importance of oceans which cover over 70% of Earth's surface including satellite observations of cloud-cover and the significant variation between cloud-cover over land and cloud-cover over oceans. Then he discusses what makes his cloud-thermostat model work. He includes an analysis of the atmospheric feedback system which shows the feedback strength of the cloud thermostat model. He points out that the IPCC misnames the Stefan-Boltzmann law and gets it wrong.

[The Stefan-Boltzmann law is emphasized by Howard Hayden in his essays on Basic Climate Physics. Hayden shows great gaps in the results from calculations using the Stefan-Boltzmann law and calculations using IPCC estimates.]

Clauser closes with his conclusions and his recommendations – DO NOTHING. [Nature rules the climate; the IPCC, and its collaborators do not understand it.] Clauser also presents appendices showing his calculations.

See links under Challenging the Orthodoxy and

https://www.sepp.org/science_papers.cfm?whichyear=2022. If Google Chrome does not work, use another internet browser.

Power Hungry: For several decades, the late Peter Huber and Mark Mills have been cautioning us that high-tech industries require abundant, reliable, and affordable electric power. Washington has ignored this need. Writing in the *City Journal*, in his essay, ‘The “Energy Transition” Won’t Happen: Foundational innovation in cloud technology and artificial intelligence will require more energy than ever before — shattering any illusion that we will restrict supplies” Mills explains how naive Washington is in thinking wind and solar can provide the power for high-tech industries need. The essay begins:

“The laptop class has rediscovered a basic truth: foundational innovation, once adoption proceeds at scale, is followed by an epic increase in energy consumption. It’s an iron law of our universe.

To illustrate that law, consider three recent examples, all vectors leading to the ‘shocking’ discovery of radical increases in expected electricity demand, now occupying headlines today. First, there’s the electric car, which, if there were one in every garage, as enthusiasts hope, would roughly double residential neighborhood electricity demands. Next, there’s the idea of repatriating manufacturing, especially for semiconductors. This is arguably a ‘foundational innovation,’ since policymakers are suddenly showing concern over the decades-long exit of such industries from the U.S. Restoring American manufacturing to, say, the global market share of just two decades ago would see industrial electricity demand soar by 50 percent.

And now the scions of software are discovering that both virtual reality and artificial intelligence, which emerge from the ineluctable mathematics of machine-learning algorithms, are anchored in the hard reality that everything uses energy. This is especially true for the blazing-fast and power-hungry chips that make AI possible. Nvidia, the leader of the AI-chip revolution and a Wall Street darling, has over the past three years alone shipped some 5 million high-power AI chips. To put this in perspective, every such AI chip uses roughly as much electricity each year as do three electric vehicles. And while the market appetite for electric vehicles is sagging and ultimately limited, the appetite for AI chips is explosive and essentially unlimited.

Consider a recent headline in the Wall Street Journal: ‘Big Tech’s Latest Obsession Is Finding Enough Energy’—because the ‘AI boom is fueling an insatiable appetite for electricity.’ And, as Reuters reports, ‘U.S. electric utilities predict a tidal wave of new demand . . . Nine of the top 10 U.S. electric utilities said data centers were a main source of customer growth.’ Today’s forecasts see near-term growth in demand for electric power three times as great as in recent years. Rediscovery of the iron law of growth inspired an urgent Senate hearing on May 21 entitled ‘Opportunities, Risks, and Challenges Associated with Growth in Demand for Electric Power in the United States.’ (Full disclosure; a hearing at which I [Mills] testified.)

Data centers, the information ‘powerplants’ at the center of the cloud revolution, are flagged as the primary culprit for this exploding power demand. These warehouse-scale buildings are chock-full of all manner of computer chips, including conventional processors, memory chips, and communications chips. And now datacenters are pouring AI chips into the mix as fast as manufacturing plants can build them. As one researcher notes, adding AI to Google ‘search’

boosts the energy use per search tenfold. And that's only the first, perhaps the least, significant of the many possible applications for AI.

As one senior operative at Friends of the Earth recently put it: 'We can see AI fracturing the information ecosystem just as we need it to pull it back together.' The fracturing is not about AI and child safety, or deep fakes, or the looming threat of new regulations. It's about aspirations for an 'energy transition' in how the world is fueled. It is inconvenient, to put it mildly, to see demand for electricity—especially reliable, 24–7 supply—take off at the same time as regulators are forcing utilities to shut down conventional power plants and spend money on costlier and less reliable power from wind and solar hardware. The epiphany that transition aspirations and the power realities of AI are in conflict was epitomized in a recent New Yorker essay titled, 'The Obscene Energy Demands of A.I.' The article's subtitle asks: 'How can the world reach net zero if it keeps inventing new ways to consume energy?' The question answers itself.

The challenge is not only the need for far more electricity than forecast a mere year or so ago but also the need for it to be both inexpensive and available precisely when needed—and soon. New factories and new datacenters are coming online rapidly with many more coming in a few years, not decades. There aren't many ways to meet the velocity and scale of electric demand coming without a boom in building more natural-gas-fired power plants."

In a separate report, long-time Canadian commentator on energy Vaclav Smil also recognizes that the so-called energy transition (Net Zero) is inconsistent with the energy needs of modern civilization. See links under Challenging the Orthodoxy and Questioning Green Elsewhere.

Irony: With an atomic mass of 6.9, Lithium is the lightest (Alkali) metal on the Periodic Table. A solid, only the gases Hydrogen and Helium are lighter. Due to its light weight, high electrochemical potential, reactivity, and rechargeability; lithium is ideal for batteries in electrical vehicles. But typical EV car batteries still weigh about 1,000 pounds (450 kg). Further, lithium is generally not found in concentrated deposits. The extraction of the metal comes from extensive processing of brine or considerable earth moving. Both methods require extensive energy and water. Last year, TWTW speculated that ExxonMobil was purchasing well rights in Arkansas for the production of lithium, which appears correct.

Now a rich new source of lithium has been found – in the brine produced by drilling for natural gas in the Marcellus Shale Formation deposits of Pennsylvania. The formation extends to southern New York state, the politicians of which are highly opposed to fossil fuels as are the politicians of other states in the Northeast. See links under Problems in the Orthodoxy and <https://www.thewellnews.com/transportation/exxonmobil-drilling-first-lithium-well-in-arkansas/#:~:text=In%20early%202023%2C%20ExxonMobil%20acquired,its%20type%20in%20North%20America.>

Two Faced? Since 2021 Washington has actively sought to suppress the oil and gas industries in the US., falsely claiming a climate crisis. Among other measures, Washington stopped an oil pipeline intended to bring crude from Canada to refineries in the Midwest. Now, consumers are complaining about high gasoline prices. As the beginning of an editorial in the Wall Street Journal explains, some in Washington respond in a too typical fashion. It states:

“Donald Trump likes to say that Democrats aren’t only coming after him—they’re also coming after you. He has a point. Look at how Senate Democrats are demanding that the Biden Administration prosecute oil and gas executives for high gasoline prices caused in part by President Biden’s policies.

Senate Majority Leader Chuck Schumer, joined by 22 fellow Democrats, sent a letter on Thursday to the Justice Department accusing U.S. oil producers of colluding to keep prices high and inflate their profits. ‘Only the DOJ can prosecute and fully redress the alleged anticompetitive behavior in the oil sector,’ the Senators write.

On what evidence? Their letter cites the Federal Trade Commission’s recent allegation that former Pioneer Natural Resources CEO Scott Sheffield attempted to collude with the Organization of the Petroleum Exporting Countries to restrain production. We explained recently how the FTC twisted Mr. Sheffield’s public statements that producers would show ‘capital discipline.’

His 23-page response this week makes the agency’s blackball look even slimier. The FTC claimed that Mr. Sheffield had regular contact with OPEC through which he learned the machinations of OPEC and gleaned insight to non-public information regarding the existence of internal OPEC deals. His putative OPEC contact? A U.S. analyst who studied the industry.”

After discussing the claim in some detail, the editorial concludes:

“U.S. producers have countered OPEC’s supply cuts. Gasoline prices now average \$3.70 a gallon nationwide, up a buck or so since the Trump Presidency. The reason is that global demand still outpaces supply. OPEC forecasts that demand will keep rising over the next two decades as poorer countries develop.

Higher interest rates and inflation are increasing the cost of production and causing investors to demand a higher return on capital. Companies are thus pumping fewer profits back into new production than they did a decade ago. Still, American production could increase more if Mr. Biden halted his assault on the industry.

The Senators point to no evidence of wrongdoing, let alone criminal acts, other than the FTC’s dubious allegations. But Democrats need an inflation scapegoat heading into the November election. Today’s Democratic justice: Choose a political target, then look for a crime.” See Article # 1

DDP 2024: The 42nd Annual Meeting of Doctors for Disaster Preparedness is scheduled for July 5-7, 2024, in El Paso, Texas. The speakers include a number of outstanding scientists such as John Clauser, the 2022 Nobel Laureate in Physics for contribution to the foundations of quantum mechanics; Stephen McIntyre and Ross McKittrick, recipients of the 2023 Fredrick Seitz award by SEPP for upholding integrity in using the scientific method; Willie Soon, Michael Connolly, and Ronan Connolly of the Center for Environmental Research & Earth Science (CERES); and Patrick Moore, former Greenpeace co-founder. See link under Challenging the Orthodoxy.

April Fools Award: TWTW intends to announce the winner of the 2024 April Fools award at the July 5 meeting of the DDP. Please submit your nominee by June 30.

Number of the Week: 55% According to the study by Vaclav Smil, published by the Fraser Institute, 2023 was the midpoint of the date of the Kyoto Protocol calling for a reduction of greenhouse gases, particularly carbon dioxide, and 2050 when “Net Zero” will magically appear. Since then, CO2 emissions have increased by 55%. See links under Questioning Green Elsewhere.

[Like many other UN actions, the Kyoto Protocol ignores the most important greenhouse gas, water vapor.]

NEWS YOU CAN USE:

Science: Is the Sun Rising?

The Solar Cycles: A New Physical Model

By Andy May, WUWT, May 27, 2024

<https://wattsupwiththat.com/2024/05/27/the-solar-cycles-a-new-physical-model/>

Link to paper: **Rieger, Schwabe, Suess-de Vries: The Sunny Beats of Resonance**

By F. Stefani, et al., Solar Physics, Apr 19, 2024

<https://link.springer.com/article/10.1007/s11207-024-02295-x>

Commentary: Is the Sun Rising?

Auroras anyone? The big sunspot cluster returns and it is grumpy

By Jo Nova, Her Blog, May 30, 2024

<https://joannenova.com.au/2024/05/auroras-anyone-the-big-sunspot-cluster-returns-and-its-grumpy/>

Censorship

Fact checking the fact checkers on my Prager U video

By Judith Curry, Climate Etc. May 26, 2024

<https://judithcurry.com/2024/05/26/fact-checking-the-fact-checkers-on-my-prager-u-video/#more-31263>

“While humans do influence the climate, we can’t control the climate. To think we can is the height of hubris, the Greek word for overconfidence.”

“What we can do is adapt to whatever mother nature throws our way. Human beings have a long history of being very good at that. We can build sea walls, we can better manage our water resources, and implement better disaster warning and management protocols.”

Suppressing Scientific Inquiry

The Ideological Capture of Academia: Scientific Censorship Motivated by Prosocial Concerns

By Charles Rotter, WUWT, May 28, 2024

<https://wattsupwiththat.com/2024/05/28/the-ideological-capture-of-academia-scientific-censorship-motivated-by-prosocial-concerns/>

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/>

Climate Change Reconsidered II: Fossil Fuels

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

<http://climatechangereconsidered.org/climate-change-reconsidered-ii-fossil-fuels/>

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/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

Challenging the Orthodoxy – Radiation Transfer

The Role of Greenhouse Gases in Energy Transfer in the Earth's Atmosphere

By W.A. van Wijngaarden and W. Happer, Preprint, Mar 3, 2023

<https://co2coalition.org/wp-content/uploads/2023/11/The-Role-of-Greenhouse-Gases-in-Energy-Transfer-in-the-Earths-Atmosphere.pdf>

Challenging the Orthodoxy

The cloud thermostat is the dominant climate controlling mechanism

Video by Nobel Laureate John F Clauser, Irish Climate Science Forum & Climate Intelligence, May 8, 2024

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

The “Energy Transition” Won’t Happen

Foundational innovation in cloud technology and artificial intelligence will require more energy than ever before — shattering any illusion that we will restrict supplies.

By Mark Mills, City Journal, May 23, 2024

<https://www.city-journal.org/article/the-energy-transition-wont-happen>

The laptop class has rediscovered a basic truth: foundational innovation, once adoption proceeds at scale, is followed by an epic increase in energy consumption. It's an iron law of our universe.

Good News About Our Climate

Video By Judith Curry, Transcript Via Ron Clutz, May 28, 2024

<https://rclutz.com/2024/05/28/good-news-about-our-climate/>

All things considered; planet Earth is doing fine. In fact, humans are doing better than at any other time in history. Over the last hundred years, when temperatures have warmed by about two degrees Fahrenheit:

Green activists don't care how many people will die from zero fossil fuel use

By Bjorn Lomborg, New York Post, May 23, 2024 [H/t Paul Homewood]

<https://nypost.com/2024/05/23/opinion/green-activists-dont-care-that-people-will-die-from-zero-fossil-fuel-use/>

Carbon Dioxide and a Warming Climate are not problem

By Andy May and Marcel Crok, WUWT, May 30, 2024

<https://wattsupwiththat.com/2024/05/30/carbon-dioxide-and-a-warming-climate-are-not-problems/>

Climate Stupidity

By James T. Moodey, American Thinker, May 24, 2024 [H/t ICECAP]

https://www.americanthinker.com/articles/2024/05/climate_stupidity.html

Photosynthesis (CO₂ + Sunlight + H₂O) cannot exist without carbon dioxide. Photosynthesis uses sunlight to transform carbon dioxide into glucose and other organic compounds that make plants, and it transforms water into oxygen, which is exuded.

Jan and Ulf's Nature Trick: The Hottest Summer in 2000 Years

By Stephen McIntyre, Climate Audit, May 24, 2024

<https://climateaudit.org/2024/05/24/jan-and-ulfs-nature-trick-the-hottest-summer-in-2000-years/>

[SEPP Comment: Another trivial graph claimed to be significant. Attaching two different sets of data together in one graph without a control period showing they measure the same thing the same way is deliberately misleading.]

ClimateMovie fact check: Different warming rates

By John Robson, Climate Discussion Nexus, May 29, 2024

<https://climatediscussionnexus.com/2024/05/29/climate-movie-fact-check-different-warming-rates/>

DDP 2024 Annual Meeting

42nd Annual Meeting of Doctors for Disaster Preparedness, July 5-7, 2024

<https://www.ddponline.org/2024/04/24/ddp-2024-annual-meeting/>

Defending the Orthodoxy – Bandwagon Science

Child mortality and ‘realignment of societal values’

By John Constable, Net Zero Watch, May 29, 2024

<https://www.netzerowatch.com/all-news/david-king-realigning-values>

“We must realign our political will, economic priorities and societal values to recognize that ecological wellbeing is matched to human wellbeing.”

Climate change is already impacting transportation: Buttigieg

By Lauren Sforza, The Hill, May 26, 2024

<https://thehill.com/homenews/administration/4687103-climate-change-is-already-impacting-transportation-buttigieg/>

Link to report: **Evidence for Large Increases in Clear-Air Turbulence Over the Past Four Decades**

By Mark C. Prose, et al, Geophysical Research Letter, June 8, 2023

<https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2023GL103814>

From abstract: Here we analyze CAT trends globally during 1979–2020 in a modern reanalysis data set using 21 diagnostics. We find clear evidence of large increases around the midlatitudes at aircraft cruising altitudes.

Key point: The increases are largest over the USA and North Atlantic, which are both busy flight regions.

[SEPP Comment: How much turbulence was there above the troposphere (9 km, 30,000 feet) in the 1930s when unpressurized planes were limited to about 10,000 feet? Does the Transportation Secretary understand the report US National Transportation Safety Board (immediately below)?]

Real World Data Proves That Air Turbulence Is Not Getting Worse

By Paul Homewood, Not a Lot of People Know That, May 23, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/23/real-world-data-proves-that-air-turbulence-is-not-getting-worse/>

Link to: **Safety Research Report, Preventing Turbulence-Related Injuries in Air Carrier Operations Conducted Under Title 14 Code of Federal Regulations Part 121**

By Staff, National Transportation Safety Board, Aug. 10, 2021

<https://www.nts.gov/safety/safety-studies/Documents/SS2101.pdf>

[SEPP Comment: See links immediately above.]

Please stay in your seat

By John Robson, Climate Discussion Nexus, May 29, 2024

<https://climatediscussionnexus.com/2024/05/29/please-stay-in-your-seat/>

True, the United States has good records of stuff that actually blasts its way ashore, and their records going back over 100 years show... no change in the frequency or intensity of hurricanes making landfall. Which doesn't mean there hasn't been a big increase in the frequency or intensity of storms way high up in the sky (the Singapore Airlines turbulence hit around 37,000 feet), where nobody has any records worth the wind they blew in on. But it certainly doesn't mean there has been. Only the computer models think so, and they were told to.

Steady threefold Arctic amplification of externally forced warming masked by natural variability

By Wenyu Zhou, L. Ruby Leung & Jian Lu, Nature Geoscience, May 22, 2024

<https://www.nature.com/articles/s41561-024-01441-1>

Questioning the Orthodoxy

Met Office Should Put 2.5°C ‘Uncertainties’ Warning on All Future Temperature Claims

By Chris Morrison, The Daily Sceptic, May 30, 2024

<https://dailysceptic.org/2024/05/30/met-office-should-put-2-5c-uncertainties-warning-on-all-future-temperature-claims/>

His [Paul Homewood’s] comments follow recent disclosures in the Daily Sceptic that nearly eight out of ten of the Met’s 380 measuring stations come with official ‘uncertainties’ of between 2-5°C. In addition, given the poor siting of the stations now and possibly in the past, the Met Office has no means of knowing whether it is comparing like with like when it publishes temperature trends going back to 1884.

[SEPP Comment: Blows a hole in the IPCC’s claimed goal of preventing a 1.5°C rise since 1880.]

The Fossil-fuel Era: Still Young

By Robert Bradley Jr., Master Resource, May 29, 2024

<https://www.masterresource.org/resourceship/the-fossil-fuel-era-still-young/>

¿Dónde están los glaciares de antaño?

By John Robson, Climate Discussion Nexus, May 29, 2024

<https://climatediscussionnexus.com/2024/05/29/donde-estan-los-glaciares-de-antano/>

We are in a long-term warming trend that is overwhelmingly natural, unless you believe that human CO2 not only causes artificial heating but shuts off the natural kind through some hitherto unknown process incompatible with the laws of physics and chemistry as we know them.

Climate Hysterics Keep Saying The Quiet Part Out Loud

I & I Editorial Board, May 30, 2024

<https://issuesinsights.com/category/global-warming/>

It Gets Rainier

By Willis Eschenbach, WUWT, May 27, 2024

<https://wattsupwiththat.com/2024/05/27/it-gets-rainier/>

Energy & Environmental Review: May 28, 2024

By John Droz, Jr., Master Resource, May 28, 2024

<https://www.masterresource.org/alliance-for-wise-energy-decisions/energy-environmental-review-05-28-2024/>

Social Benefits of Carbon Dioxide

Earlier Springs? Don’t Panic!

By Kip Hansen, WUWT, May 25, 2024

<https://wattsupwiththat.com/2024/05/25/earlier-springs-dont-panic/>

Problems in the Orthodoxy

Researchers make massive lithium discovery in Pennsylvania

By Lauren Sforza, The Hill, May 29, 2024

<https://thehill.com/policy/energy-environment/4691990-lithium-discovery-pennsylvania-natural-gas-wells/>

Link to paper: **Estimates of lithium mass yields from produced water sourced from the Devonian-aged Marcellus Shale**

By Justin Mackey, et al., Nature, Scientific Reports, Apr 16, 2024

<https://www.nature.com/articles/s41598-024-58887-x#Abs1>

Brazil's Economic Future Hinges On Fossil Fuels

By Vijay Jayaraj, Real Clear Markets, May 27, 2024

https://www.realclearmarkets.com/articles/2024/05/27/brazils_economic_future_hinges_on_fossil_fuels_1034078.html

Seeking a Common Ground

Who Gets To Say What the Rules Are?

By Dan Greenberg, WUWT, May 29, 2024

<https://wattsupwiththat.com/2024/05/29/who-gets-to-say-what-the-rules-are/>

[SEPP Comment: The legal ruling called the Chevron deference has created disastrous power-mad bureaucracies such as the EPA.]

So much for “peer review” — Wiley shuts down 19 science journals and retracts 11,000 gobbledygook papers

By Jo Nova, Her Blog, May 25, 2024

<https://joannenova.com.au/2024/05/so-much-for-peer-review-wiley-shuts-down-19-science-journals-and-retracts-11000-fraudulent-or-gobblygook-papers/>

Link to: **“Bosom peril” is not “breast cancer”: How weird computer-generated phrases help researchers find scientific publishing fraud**

By Guillaume Cabanac, et al., Bulletin of the Atomic Scientists, Jan 13, 2024

<https://thebulletin.org/2022/01/bosom-peril-is-not-breast-cancer-how-weird-computer-generated-phrases-help-researchers-find-scientific-publishing-fraud/>

What are tortured phrases? A tortured phrase is an established scientific concept paraphrased into a nonsensical sequence of words. “Artificial intelligence” becomes “counterfeit consciousness.” “Mean square error” becomes “mean square blunder.” “Signal to noise” becomes “flag to clamor.” “Breast cancer” becomes “Bosom peril.” Teachers may have noticed some of these phrases in students’ attempts to get good grades by using paraphrasing tools to evade plagiarism. “The 19 journals were all previously owned by Hindawi, an Egyptian publishing company with a portfolio of about 250 journals that Wiley purchased in 2021.”

<https://www.insidehighered.com/news/quick-takes/2024/05/15/wiley-shutter-19-journals#:~:text=Wiley%2C%20an%20academic%20publisher%2C%20has,over%20the%20past%20two%20years.>

“Why Scientific Fraud Is Suddenly Everywhere”

By Tony Heller, His Blog, May 25, 2024

<https://realclimatescience.com/2024/05/why-scientific-fraud-is-suddenly-everywhere/#gsc.tab=0>

Link to: **Why Scientific Fraud Is Suddenly Everywhere**

By Kevin T. Dugan, Intelligencer, May 21, 2024

<https://nymag.com/intelligencer/article/why-scientific-fraud-is-suddenly-everywhere.html>

Science, Policy, and Evidence

Shanghaied

A new IEA report spotlights China's stranglehold on supply chains for EVs, wind turbines, and solar panels.

By Robert Bryce, His Blog, May 29, 2024

<https://robertbryce.substack.com/p/shanghaied-chinas-stranglehold-on-alt-energy>

In other words, by trying to force automakers to produce EVs, Buttigieg and the EPA want to trade reliance on domestically produced gasoline and diesel fuel for near-total reliance on Chinese metals, minerals, and magnets.

It's difficult to imagine a more foolish trade.

Model Issues

Good and Bad Climate Models Simply Put

By Ron Clutz, Science Matters, May 28, 2024

<https://rclutz.com/2024/05/28/good-and-bad-climate-models-simply-put/>

[SEPP Comment: Uses an analysis by the late Patrick Michaels, a member of the SEPP Board. Rather than good and bad, better adjectives are poor and worse.]

Nonstop Rain In 2034, Say Weather Attribution Models

By Paul Homewood, Not a Lot of People Know That, May 27, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/27/nonstop-rain-in-2034-say-weather-attribution-models/>

Homewood: These weather attribution scamsters are now just making it up as they go along: Sadly, we live in a world where computer models seem to carry more weight than actual data.

Measurement Issues -- Surface

Poorly Sited Stations Undermine Met Office's UK Temperature Claims

By Paul Homewood, Not a Lot of People Know That, May 27, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/27/poorly-sited-stations-undermine-met-offices-uk-temperature-claims/>

And they therefore cannot say with any degree of scientific certainty that the last two years were the warmest on record, nor quantify how much, if any, the climate has warmed since 1884.

Changing Weather

EF5 Tornadoes: History And Impacts Of The Nation's Most Violent Storms

By Jonathan Erdman, The Weather Channel, May 22, 2024

<https://weather.com/storms/tornado/news/2024-05-22-ef5-tornadoes-us-since-1950>

As we covered in a [previous article](#), tornadoes rated EF3 or lower accounted for just over half of all tornado deaths in the U.S. from 2000 through 2023.

It's been a long time since the last one: The nation's last EF5 tornado was on May 20, 2013.

If climate change is making turbulence worse, pilots and planes haven't noticed...

By Jo Nova, Her Blog, May 31, 2024

<https://joannenova.com.au/2024/05/if-climate-change-is-making-turbulence-worse-pilots-and-planes-havent-noticed/>

The monster called “climate change turbulence” is an imaginary phantom

Is Global Warming Causing Aircraft Turbulence to Increase?

By Cliff Mass, Weather Blog, May 27, 2024

<https://cliffmass.blogspot.com/2024/05/is-global-warming-causing-aircraft.html>

Of Heat Engines and Refrigerators

By Kevin Kilty, WUWT, May 26, 2024

<https://wattsupwiththat.com/2024/05/26/of-heat-engines-and-refrigerators/>

Flooding of the Snoqualmie River and Record Rainfall

By Cliff Mass, Weather Blog, May 31, 2024

<https://cliffmass.blogspot.com/2024/05/flooding-of-snoqualmie-river-and-record.html>

An extraordinarily intense atmospheric river, one quite rare for early June, will slam into the region. The water vapor transport map for Sunday afternoon illustrates this. This would be impressive in November. In June, startling.

Shockingly, this plume of moisture can be traced all the way back to southeast Asia!!

Changing Climate

New Study: China’s Loess Plateau 7-8°C Warmer Than Today For Much Of The Last 4000 Years

By Kenneth Richard, No Tricks Zone, May 27, 2024

<https://notrickszone.com/2024/05/27/new-study-chinas-loess-plateau-7-8c-warmer-than-today-for-much-of-the-last-4000-years/>

Link to paper: **The Quantitative Reconstruction of Paleoclimate in the Huangling Region of the Chinese Loess Plateau during the Middle and Late Holocene**

By Jiao Guo, et al., Atmosphere, Apr 11, 2024

<https://www.mdpi.com/2073-4433/15/4/476>

Megafossil Carbon Dating Indicates Sweden Was 2-3°C Warmer Than Today During The Last Glacial

By Kenneth Richard, No Tricks Zone, May 30, 2024

<https://notrickszone.com/2024/05/30/megafossil-carbon-dating-indicates-sweden-was-2-3c-warmer-than-today-during-the-last-glacial/>

Link to paper: **Mt. Åreskutan Nunatak: An Arboreal "Roadmap" to the Paleobiogeography of the Swedish Scandes and a Possible Pointer Towards a Future Revival of a Richer and More Biodiverse Mountainscape**

By Leif Kullman and Lisa Oberg, European Journal of Applied Sciences, Feb 25, 2024

https://www.researchgate.net/publication/378151040_Mt_Areskutan_Nunatak_An_Arboreal_Roadmap_to_the_Paleobiogeography_of_the_Swedish_Scandes_and_a_Possible_Pointer_Towards_a_Future_Revival_of_a_Richer_and_More_Biodiverse_Mountainscape

From the abstract: “It is increasingly evident that common boreal tree species grew close to this summit in a climate, 2-3 °C warmer than at present, during the Late glacial and early Holocene periods 16 800-6000 years ago. Based on minimal temperature requirements for tree growth,

future warming of the same magnitude would be sufficient for trees to reclaim their lost ground close to this peak.”

Link to second paper: **Uncovering Holocene climate fluctuations and ancient conifer populations: Insights from a high-resolution multi-proxy record from Northern Finland**

By J. Sakari Salonen, et al., Global and Planetary Change, June 2024

<https://www.sciencedirect.com/science/article/pii/S0921818124001097>

Changing Climate – Cultures & Civilizations

Historically warmer climates supported more settlements in northeast China

By John Robson, Climate Discussion Nexus, May 29, 2024

<https://climatediscussionnexus.com/2024/05/29/historically-warmer-climates-supported-more-settlements-in-northeast-china/>

From the CO2Science archive:

Robson: Their analysis covered the period AD 961 to 1911, which included two dynasties during the warm climate of the Medieval Warm Period (Liao and Jin) and three dynasties during the cold period of the Little Ice Age (Yuan, Ming and Qing).

Changing Seas

Reduced Sulphur Content In Shipping Fuel Has Caused Most Of Recent Ocean Warming

By Paul Homewood, Not a Lot of People Know That, May 30, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/30/reduced-sulphur-content-in-shipping-fuel-has-caused-most-of-recent-ocean-warming/>

Link to paper: **Abrupt reduction in shipping emission as an inadvertent geoengineering termination shock produces substantial radiative warming**

By Tianle Yuan, et al., Nature, Communications Earth & Environment, May 30, 2024

<https://www.nature.com/articles/s43247-024-01442-3>

From the abstract: In 2020, fuel regulations abruptly reduced the emission of sulfur dioxide from international shipping by about 80% and created an inadvertent geoengineering termination shock with global impact.... The amount of radiative forcing could lead to a **doubling (or more) of the warming rate in the 2020** is compared with the rate since 1980 with strong spatiotemporal heterogeneity. [Boldface added]

[SEPP Comment: Does not explain the changing regional trends in Top of Atmosphere radiation and sea Surface from 2000 to 2023 as measured by the CERES team (Loeb, et al.) discussed in last week's TWTW.]

Downplaying Light Stress To Hype Global Warming Misinforms The Public About Coral Bleaching

By Jim Steele, WUWT, May 28, 2024

<https://wattsupwiththat.com/2024/05/28/downplaying-light-stress-to-hype-global-warming-misinforms-the-public-about-coral-bleaching/>

#GettingWorse: Sea level rise edition

By John Robson, Climate Discussion Nexus, May 29, 2024

<https://climatediscussionnexus.com/2024/05/29/gettingworse-sea-level-rise-edition/>

“Projections of 21st century sea level rise are not getting worse. The bureaucratic abuse of science, on the other hand, is.”

Heavy water: How melting ice sheets and pumped groundwater can lower local sea levels—and boost them elsewhere

By Rebecca McGirr, Anthony Purcell, Herbert McQueen and Paul Tregoning, The Conversation, May 24, 2024

https://phys.org/news/2024-05-heavy-ice-sheets-groundwater-local.html#google_vignette

Link to paper: Significant Local Sea Level Variations Caused by Continental Hydrology Signals

By Rebecca McGirr, Paul Tregoning, Anthony Purcell, Herb McQueen, Geophysical Research Letters, May 23, 2024

<https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2024GL108394>

Changing Cryosphere – Land / Sea Ice

Doomsday Glacier 2024 Hot News (again)

By Ron Clutz, Science Matters, May 25, 2024

<https://rclutz.com/2024/05/25/doomsday-glacier-2024-hot-news-again/>

The colossal West Antarctic ice sheet hides what appears to be the largest volcanic region on the planet, according to the results of a study carried out by researchers at the University of Edinburgh (UK) and reported in the journal Geological Society.

Experts have discovered as many as 91 volcanoes under Antarctic ice, the largest of which is as high as Switzerland's Eiger volcano, rising 3,970 meters above sea level.

Agriculture Issues & Fear of Famine

Farmers are being booted off their land in a drive for more solar power, former union chief warns

By Paul Homewood, Not a Lot of People Know That, May 30, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/30/farmers-are-being-booted-off-their-land-in-a-drive-for-more-solar-power-former-union-chief-warns/>

Lowering Standards

Concerns Mount as Met Office Fiddles With Historic Temperature Record in Exact Way Planned in Leaked 'Climategate' Emails

By Chris Morrison, The Daily Sceptic, May 24, 2024

<https://dailysceptic.org/2024/05/25/concerns-mount-as-met-office-fiddles-with-historic-temperature-record-in-exact-way-planned-in-leaked-climategate-emails/>

The Milankovitch mystery, or, wobbly science

By John Robson, Climate Discussion Nexus, May 29, 2024

<https://climatediscussionnexus.com/2024/05/29/the-milankovitch-mystery-or-wobbly-science/>

Link to: Milankovitch (Orbital) Cycles and Their Role in Earth's Climate

Editorial, NASA, Feb 27, 2020 [Accessed May 29, 2024]

<https://science.nasa.gov/science-research/earth-science/milankovitch-orbital-cycles-and-their-role-in-earths-climate/>

Robson on a quote from NASA: QED. They also say the cycles operate over the long term and this warming happened fast. But who knows what tipping points a long-term cycle might trigger?

After all, when the glaciers retreat, they do it fast as part of a long-term cycle. So, for our part we're more open-minded.

Noah's Ark Weather, Or A Normal British Summer? Will The Met Office Make Its Mind Up Please?

By Paul Homewood, Not a Lot of People Know That, May 30, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/30/noahs-ark-weather-or-a-normal-british-summer-can-the-met-office-make-its-mind-up/>

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

Bad prediction rising

By John Robson, Climate Discussion Nexus, May 29, 2024

<https://climatediscussionnexus.com/2024/05/29/bad-prediction-rising/>

Comment from Thomas M Farley: Ever since The Weather Channel started putting their reporters on the beach during the landfall of a tropical storm this hurricane thing has been a ratings bonanza! Sadly, the tropical storms are not cooperating, even the ones that do form often stay out in the middle of the Atlantic Ocean...very saaad.

Communicating Better to the Public – Make things up.

Met Office Creates Warming Out Of Thin Air

By Paul Homewood, Not a Lot of People Know That, May 26, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/26/met-office-creates-warming-out-of-thin-air/>

Communicating Better to the Public – Do a Poll?

Claim: “Most people fear climate change will end the world during their lifetime”

By Eric Worrall, WUWT, May 25, 2024

<https://wattsupwiththat.com/2024/05/25/claim-most-people-fear-climate-change-will-end-the-world-during-their-lifetime/>

Expanding the Orthodoxy

The International Tribunal for the Law of the Sea rules carbon dioxide is an ocean pollutant

By Staff, AFP/Reuters/ABC, May 21, 2024

<https://www.abc.net.au/news/2024-05-22/un-maritime-court-rules-carbon-dioxide-is-a-sea-pollutant/103876578>

[SEPP Comment: The US is not a member, and this is more reason for the US to avoid any international organization associated with the UN.]

Business Roundtable Does a 180 on Stakeholder Capitalism in ExxonMobil Lawsuit

By Brent Bennett, Real Clear Energy, May 28, 2024

https://www.realclearenergy.org/2024/05/29/business_roundtable_does_a_180_in_exxonmobil_lawsuit_1034427.html

Exxon argues that its lawsuit is necessary because the Securities and Exchange Commission, which by law is supposed to act as a neutral arbiter in determining whether shareholder resolutions can be dismissed or must be put to a vote, changed its policy to allow resolutions

unrelated to the company's ordinary business purposes but that had "broad societal impact." Without the SEC as a gatekeeper, Exxon will have to spend millions every year to defeat activist proposals that would destroy billions of dollars of shareholder value if implemented.

Climate Friendly War

By Tony Heller, His Blog, May 23, 2024

<https://realclimatescience.com/2024/05/climate-friendly-war/#gsc.tab=0>

How is he planning on transporting electricity to the front lines?

[SEPP Comment: Can't wait to see solar and wind powered main battle tanks.]

Questioning European Green

"We're Going To Push Up Energy Bills To Stratospheric Levels": Climate Change Author SLAMS Net Zero

By Paul Homewood, Not a Lot of People Know That, May 31, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/28/were-going-to-push-up-energy-bills-to-stratospheric-levels-climate-change-author-slams-net-zero/>

Excellent interview with Rupert Darwall: Video

Expense Of People And Nature

German Green Movement "A Run Amok At The Expense Of People And Nature"

By Georg Etschelt Via P Gosselin, No Tricks Zone, May 26, 2024

<https://notrickszone.com/2024/05/26/german-green-movement-a-run-amok-at-the-expense-of-people-and-nature/>

Heat pumps 'too expensive for ordinary families'

By Paul Homewood, Not a Lot of People Know That, May 27, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/27/heat-pumps-too-expensive-for-ordinary-families/>

Heat pumps are too expensive for ordinary families to install and run, the Energy Secretary Claire Coutinho has been warned by MPs.

Home insulation is the latest net zero farce

By Ross Clark, The Spectator, UK, May 30, 2024

<https://www.spectator.co.uk/article/home-insulation-is-the-latest-net-zero-farce/>

Within weeks of having it fitted [with government recommended insulation] Godrich says her walls started to run with water, and black mold started to form on her walls. She can no longer use two of her bedrooms, and she and her children now have to slum it on mattresses in the one remaining habitable room.

Questioning Green Elsewhere

G7's Awkward Climate Finance Secret

By Alex Kimani, Oil Price.com, May 26, 2024,

<https://oilprice.com/Alternative-Energy/Renewable-Energy/G7s-Awkward-Climate-Finance-Secret.html>

Reuters: Germany, Japan, France, and the United States are among the wealthy countries that offered developing nations loans and transition deals that ultimately benefited companies and organizations in those same wealthy countries.

Opinion: Achieving net zero targets neither feasible nor realistic

Earlier energy transitions, though smaller and less demanding and costly than the net-zero transition, took place much more gradually

By Vaclav Smil and Elmira Aliakbari. Financial Post (Canada), May 29, 2024

<https://financialpost.com/opinion/net-zero-targets-neither-feasible-nor-realistic>

Link to Video: **Halfway Between Kyoto and 2050: Zero Carbon Is a Highly Unlikely Outcome**

By Vaclav Smil, Fraser Institute, 2024

<https://www.fraserinstitute.org/studies/halfway-between-kyoto-and-2050>

Full report: <https://www.fraserinstitute.org/sites/default/files/halfway-between-kyoto-and-2050.pdf>

Funding Issues

Green Outrage: Aussie Retirement Savings Funds Pumping Big Money into Fossil Fuel

By Eric Worrall, WUWT, May 29, 2024

<https://wattsupwiththat.com/2024/05/29/green-outrage-aussie-retirement-savings-funds-pumping-big-money-into-fossil-fuel/>

Give Us Your Money, Says Maldives President

By Paul Homewood, Not a Lot of People Know That, May 25, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/25/give-us-your-money-says-maldives-president/>

And no doubt they will be issuing the same warnings/demands for money in another thirty years' time!

[SEPP Comment: They need to build more airports and luxury resorts on the beach.]

The Political Games Continue

Labour's energy claims are 'divorced from reality'

Press release, Net Zero Watch, May 31, 2024

<https://www.netzerowatch.com/all-news/labour-divorced-from-reality>

Net Zero Watch says SNP [Scottish National Party] U-turn would leave Labour looking like 'eco-extremists'

Press release, Net Zero Watch, May 28, 2024

<https://www.netzerowatch.com/all-news/zlozfreiv6hdawwtjh68nssvi3tf53>

Litigation Issues

Vermont becomes first state to require oil companies to pay for climate change damage

By Zack Budryk, The Hill, May 31, 2024

<https://thehill.com/homenews/4696216-vermont-becomes-first-state-to-require-oil-companies-to-pay-for-climate-change-damage/>

[SEPP Comment: What about the government entities and people who use fossil fuels?]

LA Times Editorial Hypes Massive “Climate Recovery Act” Penalties on Fossil Fuel Energy Suppliers that Account for 70% of California’s Annual GDP

By Larry Hamlin, WUWT, May 29, 2024

<https://wattsupwiththat.com/2024/05/29/1-a-times-editorial-hypes-massive-climate-recovery-act-penalties-on-fossil-fuel-energy-suppliers-that-account-for-70-of-californias-annual-gdp/>

Subsidies and Mandates Forever

Offshore wind needs bigger subsidies, warns government adviser

By Paul Homewood, Not a Lot of People Know That, May 28, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/28/offshore-wind-needs-bigger-subsidies-warns-government-adviser/>

EPA and other Regulators on the March

Supreme Court to consider challenge to Clean Water Act’s San Francisco rules

By Zack Budryk, The Hill, May 28, 2024

<https://thehill.com/policy/energy-environment/4689715-supreme-court-san-francisco-challenge-clean-water-act/>

[SEPP Comment: EPA rules too vague?]

Republican Exposes EPA Grant to Radical Climate Group

By Charles Rotter, WUWT, May 30, 2024

<https://wattsupwiththat.com/2024/05/30/republican-exposes-epa-grant-to-radical-climate-group/>
Video, \$50 million to Climate Justice Alliance

Water systems warn Americans could soon see major rate hikes to filter out toxic ‘forever chemicals’

By Rachel Frazin, The Hill, May 26, 2024

<https://thehill.com/policy/energy-environment/4685181-pfas-forever-chemicals-water-systems-rate-hikes-filtration-epa-rule/>

[SEPP Comment: No evidence of harm done but EPA does not care.]

Energy Issues – Non-US

Bill payers to fund £60bn Net Zero overhaul of National Grid

By Paul Homewood, Not a Lot of People Know That, May 23, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/23/bill-payers-to-fund-60bn-net-zero-overhaul-of-national-grid/>

Gas bills could rise by £1,000 to pay for wind power

By Paul Homewood, Not a Lot of People Know That, May 26, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/26/gas-bills-could-rise-by-1000-to-pay-for-wind-power/>

Labour’s Great British Energy Sham

By Paul Homewood, Not a Lot of People Know That, May 31, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/31/labours-great-british-energy-sham/>

It sounds like it is the SNP [Scottish National Party] who have really rumbled Starmer's Great British Energy sham:

Energy Issues – Australia

We have World Class windless weather: Today 95% of wind turbines on the continent of Australia are failing

By Jo Nova, Her Blog, May 27, 2024

<https://joannenova.com.au/2024/05/we-have-world-class-windless-weather-today-95-of-wind-turbines-on-the-continent-of-australia-are-failing/>

There is no saving the Australian wind industry from a high-pressure cell.

Energy Issues -- US

GAO Information on Peaking Power Plants Report

By Roger Caiazza, WUWT, May 29, 2024

<https://wattsupwiththat.com/2024/05/29/gao-information-on-peaking-power-plants-report/>

Link to report: **Electricity: Information on Peak Demand Power Plants**

By Staff, US Government Accountability Office (GAO), May 21, 2024

<https://www.gao.gov/assets/gao-24-106145.pdf>

I conclude that this analysis and the report were intended to confirm the biases of the congressional representatives that requested the report and the EJ activists who promote it. It is only possible through a complete reading of the entire report to discover contrary evidence eviscerating this as an issue. The bigger picture problem is the potential threat that political and activist pressure will force premature retirement of peaking power plants with a marked increase in potential reliability risks. **A blackout will have real ramifications as opposed to the over-hyped risks claimed.** [Boldface added]

A bright future for U.S. blackouts

By John Robson, Climate Discussion Nexus, May 29, 2024

<https://climatediscussionnexus.com/2024/05/29/a-bright-future-for-u-s-blackouts/>

The New York Times blares that “New Rules to Overhaul Electric Grids Could Boost Wind and Solar Power; Federal regulators on Monday approved sweeping changes to how America’s electric grids are planned and funded, in a move that supporters hope could spur thousands of miles of new high-voltage power lines and make it easier to add more wind and solar energy.” And get rid of the types of generators that actually work.

Washington's Control of Energy

Claim: Biden's Clean Energy Policies are Failing Because Everyone Else's Fault

By Eric Worrall, WUWT, May 28, 2024

<https://wattsupwiththat.com/2024/05/28/claim-bidens-clean-energy-policies-are-faltering-because-it-is-everyone-elses-fault/>

Biden administration issues guidelines on carbon credit integrity

By Rachel Frazin, The Hill, May 28, 2024

<https://thehill.com/policy/energy-environment/4685276-biden-administration-issues-guidelines-on-carbon-credit-integrity/>

[SEPP Comment: From an administration with zero scientific integrity.]

Joe Biden's Dangerous Natural Gas Game

By Tristan Abbey, Real Clear Energy, May 30, 2024

https://www.realclearenergy.org/articles/2024/05/30/joe_bidens_dangerous_natural_gas_game_1034965.html

Previous administrations have already published macroeconomic impact studies on the question of LNG exports from the U.S. The Obama administration paused its authorizations until its first study was released in December 2012, for example—curious timing, considering the election the previous month and the study's actual completion in July of that year. Virtually every scenario in every study, including additional analysis in 2015 and 2018, has found net benefits to accrue.

It's possible reopening the Obama playbook was the Biden team's plan all along. After all, Secretary Granholm didn't commission a new study in 2021, or in 2022, or in 2023. By waiting so long, the DOE can now claim that the cumulative volume of its authorizations is approaching the upper limit of the range that the 2018 study examined. Under the duplicity theory, approvals resume under a second Biden term as soon as the study is released and the election fades away.

White House and 21 states to announce grid modernization program

By Zack Budryk, The Hill, May 28, 2024

<https://thehill.com/policy/energy-environment/4689058-power-grid-modernization-program-white-house-21-states/>

Link to report: **Grid connection backlog grows by 30% in 2023, dominated by requests for solar, wind, and energy storage**

By Staff, Berkeley Lab, Energy Markets & Policy, Apr 10, 2024

<https://emp.lbl.gov/news/grid-connection-backlog-grows-30-2023-dominated-requests-solar-wind-and-energy-storage>

[SEPP Comment: The hidden costs of unreliable "renewables" and the deceitfully named Inflation Reduction Act.]

Senate Democrats call for DOJ to probe Big Oil over price-fixing allegations

By Zack Budryk, The Hill, May 30, 2024

<https://thehill.com/policy/energy-environment/4693610-schumer-democrats-doj-big-oil-exxonmobil-ftc-price-fixing-pioneer-natural-resources/>

Oil and Natural Gas – the Future or the Past?

You Don't Know Me - There's A Lot More Happening In The Bakken Than You Might Think

By Housley Carr, RBN Energy, May 24, 2024

<https://rbnenergy.com/you-dont-know-me-theres-a-lot-more-happening-in-the-bakken-than-you-might-think>

Nuclear Energy and Fears

Building the Global Nuclear Energy Order Book

By Niko McMurray and David Gattie, WUWT, May 28, 2024

<https://wattsupwiththat.com/2024/05/28/building-the-global-nuclear-energy-order-book/>

Alternative, Green ("Clean") Solar and Wind

“How Many Birds Do Wind Farms Kill?” (pro-wind concern)

By Robert Bradley Jr., Master Resource, May 31, 2024

<https://www.masterresource.org/cuisinarts-of-the-air/wind-bird-kill-ritchie/>

[SEPP Comment: The real issue is the threat to bats and soaring birds such as eagles.]

Offshore Wind “Wake Effect”

By Robert Bradley Jr., Master Resource, May 30, 2024

<https://www.masterresource.org/offshore-windpower-issues/offshore-wind-wake-effect/>

Offshore Wind Turbines Could Mess With Ships’ Radar Signals

By Jo Nova, Her Blog, May 29, 2024

<https://joannenova.com.au/2024/05/offshore-wind-turbines-could-mess-with-ships-radar-signals/>

Link to: **Offshore Wind Energy: A Rising Challenge to Coast Guard Operations**

By Lieutenant (junior grade) Lowen M. Hobbs, U.S. Coast Guard, US Naval Institute, July 2023

<https://www.usni.org/magazines/proceedings/2023/july/offshore-wind-energy-rising-challenge-coast-guard-operations>

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

The Many Problems With Batteries

By Iddo Wernick, Real Clear Energy, May 30, 2024

https://www.realclearenergy.org/articles/2024/05/30/the_many_problems_with_batteries_103500_0.html

Link to report: **Batteries and Secure Energy Transitions**

By Staff, International Energy Agency (IEA), April 2024

<https://www.iea.org/reports/batteries-and-secure-energy-transitions>

The energy density of a storage technology is defined by its ability to store energy in a given volume or with a given mass. It is relevant and more than ironic that the energy density of biomass fuels like straw and animal dung is twenty times greater than the today’s best lithium-ion batteries, and gasoline has an energy density over 50 times greater.

Alternative, Green (“Clean”) Vehicles

The amount of copper needed to build EVs is ‘impossible for mining companies to produce’

By Paul Homewood, Not a Lot of People Know That, May 28, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/28/the-amount-of-copper-needed-to-build-evs-is-impossible-for-mining-companies-to-produce/>

Link to article: **The amount of copper needed to build EVs is ‘impossible for mining companies to produce’**

By Tanya Weaver, E plus T Engineering and Technology, May 16, 2024

<https://eandt.theiet.org/2024/05/16/study-finds-amount-copper-required-evs-impossible-mining-companies-produce>

The Real Environmental Cost of EVs!

By Paul Homewood, Not a Lot of People Know That, May 25, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/25/the-real-environmental-cost-of-evs/>

Video giving 6 reasons why EV’s are not a green as claimed, ICE cars are a small part on CO2 emissions.

London To Buy 100 Electric Buses From China

By Paul Homewood, Not a Lot of People Know That, May 26, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/26/london-to-buy-100-electric-buses-from-china/>

“Each of the buses will apparently cost around £400,000, which is supposedly around £100,000 cheaper than what can be offered by UK suppliers.”

Electric car drivers face astronomical costs to replace tyres

By Paul Homewood, Not a Lot of People Know That, May 26, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/26/electric-car-drivers-face-astronomical-costs-to-replace-tyres/>

Carbon Schemes

Far From Cutting Power Plant Emissions, New EPA Rule May Make Things Worse

The rule relies on “carbon capture” technology that hasn’t been proven to work — and may introduce other dangers.

By Basav Sen , TRUTHOUT, May 27, 2024

<https://truthout.org/articles/far-from-cutting-power-plant-emissions-new-epa-rule-may-make-things-worse/>

Health, Energy, and Climate

How weather extremes worsened by climate change are now a major national public health threat—New stud

By Paul Homewood, Not a Lot of People Know That, May 29, 2024

<https://notalotofpeopleknowthat.wordpress.com/2024/05/28/how-weather-extremes-worsened-by-climate-change-are-now-a-major-national-public-health-threat-new-study/>

Link to press release: **Research reveals more people died from hot or cold weather conditions than COVID-19 in parts of UK**

By Staff, University of Bristol, May 23, 2024

<https://www.bristol.ac.uk/news/2024/may/hot-and-cold-weather-extreme-deaths-paper.html>

“The researchers sprang into action after Sir Patrick Vallance, the UK Government’s former Chief Scientific Adviser, highlighted at COP26 that the climate crisis was a far bigger problem than COVID-19, which would prove more fatal without immediate changes.”

Link to paper: **Compound mortality impacts from extreme temperatures and the COVID-19 pandemic**

By Y. T. Eunice Lo, et al., Nature, Communications, May 23, 2024

<https://www.nature.com/articles/s41467-024-48207-2>

Homewood: I’ve come across plenty of junk climate studies, but this has to be one of the most amateurish:

BELOW THE BOTTOM LINE

Looking For Their Lost Keys

By Tony Heller, His Blog, May 28, 2024

<https://realclimatescience.com/2024/05/looking-for-their-lost-keys/#gsc.tab=0>

Nothing which governments are doing under the name of climate makes any sense. It is all a smokescreen to hide other agendas.

Video Virtue signaling more important than evidence.

Rapid Climate Change

Video by Tony Heller, His Blog, May 26, 2024

<https://realclimatescience.com/2024/05/rapid-climate-change-4/#gsc.tab=0>

The seamless transition from global cooling to global warming fearmongering was rather impressive.

The climate crisis is coming for ‘the CEO of the family’s health’

By Sharon Udasin, The Hill, May 30, 2024

<https://thehill.com/policy/healthcare/4617753-climate-change-family-maternal-mental-health/>

The increasing incidence of climate change-induced heat spikes, wildfires and life-threatening flash floods is engulfing pregnant and postpartum individuals in a wave of eco-anxiety and depression.

Tidbits

By John Robson, Climate Discussion Nexus, May 29, 2024

<https://climatediscussionnexus.com/2024/05/29/tidbits-64/>

And then he [a bureaucrat] added that with climate breakdown urgent they’re sauntering ahead: “The major emissions reductions will be sort of toward 2050 as opposed to in the next few years.” Sort of. Because they finally figured out that trees start small and grow over a while. Sort of. (They now claim they’ve planted 553 million, including ones they haven’t planted yet, which even the Environment Commissioner doubts, and Canada has 318 billion sort of so who cares anyway?)

ARTICLES

1. Hang the Oil and Gas CEOs

Chuck Schumer and Senate Democrats call for prosecuting fossil-fuel executives.

By The Editorial Board, WSJ, May 31, 2024

https://www.wsj.com/articles/senate-democrats-oil-and-gas-ceos-scott-sheffield-ftc-chuck-schumer-e3ba4dfb?mod=hp_opin_pos_1

TWTW Summary: Discussed in the This Week section above.

2. Anatomy of an EV Policy Error

The U.S. carefully researched a ‘poor’ strategy and then followed it.

By Holman W. Jenkins, Jr., WSJ, May 28, 2024

https://www.wsj.com/articles/anatomy-of-an-ev-policy-error-poor-strategy-the-us-researched-and-followed-anyway-a24e5e98?mod=opinion_lead_pos9

TWTW Summary: The journalist begins with:

“In an observation attributed to many, a recurrent human failing is to forget what we’re trying to accomplish. Less than two years have elapsed since the Inflation Reduction Act was passed, as Joe Biden put it, to ward off the ‘existential risk of climate change.’

The policy has already morphed into one of protecting American industry from cheaper green-energy technology available abroad.

You won’t find it mentioned in your newspaper or cable news (we’ll get to why) [omitted here], but it was never seriously thought that subsidizing green-energy consumption was a way to reduce emissions. Subsidizing green-energy consumption simply subsidizes more energy consumption—including fossil energy to churn out electric-vehicle batteries, wind turbines, solar panels, etc.

It adds to the unlimited amount of energy humans will consume if the price is right.

Tellingly, Mr. Biden’s own White House budget office, in an unsigned, undated ‘analysis,’ begs off defending Biden policy by declining to make any emissions-reduction forecast. Instead, it cites ‘complicated economic interactions’ while regurgitating what it knows are the flawed estimates of outside groups.

Long-time NASA climate scientist James Hansen, in a recent paper, dismissively points out that ‘thousands of pages of giveaways to special interests lard . . . the climate bill titled ‘Inflation Reduction Act’—Orwellian double-speak.’

From this, you might think no serious policy analysis preceded the Biden program. In fact, a 2013 congressionally sponsored National Research Council study, led by the father of climate economics and future Nobel laureate, Yale’s William Nordhaus, concluded that green handouts and tax breaks are ‘a poor tool for reducing greenhouse gases and achieving climate change objectives.’

This became the essence of Biden policy.”

The journalist then goes into details not needed here except to say that the policy will be ineffective.