

The Week That Was: 2021-07-24 (July 24, 2021)

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The Science and Environmental Policy Project

Quote of the Week: *“It’s a beautiful thing, the destruction of words ...Don’t you see that the whole aim of Newspeak is to narrow the range of thought? In the end we shall make thoughtcrime literally impossible, because there will be no words in which to express it.”* –George Orwell, 1984 [H/t Anna Krylov]

Number of the Week: – About 1,200 cubic meters per second in 1804

THIS WEEK:

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

Floods and Droughts: The Ahr River is a relatively short river roughly 89 kilometers (55 mi) arising in the steep terrain of Rhine Land, Germany, which borders Luxembourg and Belgium. It forms the steep Ahr Valley running east, noted for producing red wines from vineyards terraced in the hillside. Before emptying into the Rhine River, the Ahr broadens out providing flatter land for growing fruits and vegetables. Like all steep river valleys, such as those in West Virginia, the Ahr Valley is subject to flash floods. The last catastrophic one was in 1910.

Beginning July 13, major flooding occurred in Germany and Belgium and to a lesser degree in Holland. According to reports, including *The Sunday Times*, officials in “Germany knew the floods were coming, but the warnings didn’t work. Weather scientists say a ‘monumental failure of the system’ is directly to blame for the death and devastation triggered by a month’s worth of rain that fell in two days this week.”

According to a July 23, 2021, post on the European Flood Awareness System (EFAS)

What information did EFAS provide in relation to the recent flood events affecting the Rhine and Meuse river basins?

On 9 and 10 July, flood forecasts by the European Flood Awareness System (EFAS) of the Copernicus Emergency Management Service indicated a high probability of flooding for the Rhine River basin, affecting Switzerland and Germany.

The following day, subsequent forecasts also indicated a high risk of flooding for the Meuse River basin, affecting Belgium. The magnitude of the floods forecasted for the Rhine River basin increased significantly in this period.

The first EFAS notifications for the Rhine River basin were sent to the relevant national authorities starting on 10 July. The first EFAS notifications for the Meuse River basin were sent to the relevant national authorities starting on 12 July. With the continuously updated forecasts, more than 25 notifications were sent for specific regions of the Rhine and Meuse River basins in the following days until 14 July.

After the flood, the climate change chorus immediately sprang into action, blaming carbon dioxide-caused climate change, without evidence. German officials parroted the same excuse, also claiming that EFAS covers only large rivers. The response from EFAS was:

“Does EFAS forecast floods only for large rivers?”

“EFAS aims at predicting floods for large rivers and their tributaries but provides as well flash flood predictions for smaller scale rivers. In the case of the Meuse and Rhine river flood events both, predictions for the large-scale river sections of the Rhine and Meuse as well as the flash flood predictions for many of the small-scale tributaries of these river basins indicated a high probability of flooding or flash flooding, respectively.”

Why did officials ignore warnings from the European Flood Awareness System (EFAS)? One can only speculate, but it may be the same problem as to why New Orleans officials did not order evacuation of the city before hurricane Katrina caused flooding of the city through Lake Pontchartrain. They were afraid of a false positive – evacuating the city and not having a flood. The officials then blamed climate change and the Bush Administration for their failure.

We are seeing similar issues with the drought in the US western states. Four years ago, many western states experienced heavy rains. For example, water flowed over the emergency spillway Oroville Dam in California, even after the main spill was repaired and operating. The water caused flooding of communities downstream. The flooding was blamed on human-caused climate change. Now the drought is blamed on human-caused climate change. For government officials, it is far easier to blame climate change than to accept responsibility for failure to act when appropriate or to acting inappropriately.

These false claims give rise to the false belief that cutting carbon dioxide (CO₂) emissions will prevent extreme weather events. The deception is twofold. First, there is no causal link between CO₂ and extreme weather events. The second deception is that reducing CO₂ would result in cooling, with a subsequent reduction of extreme weather events. In fact, extreme weather events are a characteristic of cooler climate.

See links under Challenging the Orthodoxy, Science, Policy, and Evidence, Changing Weather. Health, Energy, and Climate, and <https://www.efas.eu/en/news/faq-efas-and-recent-flood-events>

Fractional Attribution of Risk (FAR): Cliff Mass has an easy-to-understand explanation why the new fad in Fractional Attribution of Risk (FAR) is largely useless, or worse, greatly misleading. His essay was motivated by the heat wave in the US Northwest and Canadian Southwest, but uses an analogy of flooding, which is appropriate for the flooding in Europe. After explaining the analogy, he states:

This situation is a good example of the golden rule of climate attribution: the more unusual and extreme the event, the greater the proportion of the event is due to natural variability rather than global warming.

That is, climate change is slow and moderate: compare 50 years of slight warming with the 6 months of natural change between July and January. Therefore, fast changes must be due to natural variability. In discussing FAR, he writes:

“Unfortunately, there are serious flaws in their approach: climate models fail to produce sufficient natural variability (they underplay the black swans) and their global climate models don't have enough resolution to correctly simulate critical intense, local precipitation features (from mountain enhancement to thunderstorms). On top of that, they generally use unrealistic greenhouse gas emissions in their models (too much, often using the RCP8.5 extreme emissions scenario). And there is more, but you get the message. (I am weather/climate modeler, by the way, and know the model deficiencies intimately.)”

Currently, black swans apply to financial events. But they were important in the development of the scientific method. At one time philosophers in Europe asserted deductive logic could be used to uncover things about the natural world. The argument went along the lines: All swans are white; therefore, if it is a swan, it must be white.

In 1697, black swans were discovered in Australia. The discovery exposed the mistaken assumption, leading to the realization that the assumption must be thoroughly tested against all physical evidence and even if the assumption is not refuted deductions from it are only tentative.

As Mass states, the extreme emissions scenario of the UN Intergovernmental Panel on Climate Change are unrealistic. The Representative Concentration Pathways 8.5 (RCP 8.5) results in a calculated CO₂-caused warming of the earth's surface of 8.5 watts per meter squared. According to calculations being used for the upcoming IPCC report, this would result in a surface warming of 2.5 to 4.9 degrees C (4.5 to 8.8 degrees F). There are thousands of “climate science” reports based on this unrealistic assumption.

Mass concludes his essay with a practical warning:

“Many of the climate attribution studies are resulting in headlines that are deceptive and result in people coming to incorrect conclusions about the relative roles of global warming and natural variability in current extreme weather. Scary headlines and apocalyptic attribution studies needlessly provoke fear. Furthermore, incorrect, and hyped information results in poor decision-making.

“Here in Washington State, several politicians fixate on climate change as the cause of current environmental events, while neglecting key actions needed to ensure we are adapted to the current climate (such as restoring our forests, dealing with problematic power infrastructure, improving water quality). And some media outlets (like a certain major newspaper in Seattle) are aiding such ineffective leaders by pushing an often uninformed and exaggerated climate-change narrative.

“There is little doubt that the Earth is warming and that human emissions are a contributing factor, but many of the extreme events being blamed on global warming are predominantly the result of natural or other causes (such as changes in land use). If the Earth continues to warm, by the end of the century the impacts of global warming on extremes will increase substantially, something I have shown in my own research.

*“We need to worry about climate change and take steps in both mitigation (reduce greenhouse gas emissions) and adaptation. **But hype and exaggeration of its impacts only undermine the potential for effective action.**”* [Boldface emphasized in original] See links under Challenging the

Orthodoxy and

https://www.ipcc.ch/site/assets/uploads/sites/3/2019/11/SROCC_FD_TS_Final.pdf

Pogo Stick Power: For the past several weeks, TWTW reported on the changes in wind power generation as reported by the Bonneville Power Administration (BPA), which includes the Columbia River Gorge “where the wind always blows.” The total nameplate generation is 27,879 MW of which 79.5% is hydro and 10.5% (2930 MW) is wind.

This week was another exciting time for those who balance the load having to increase and decrease hydro power with changes in wind power. Midday on the 18th wind power was near zero, went up to 1000 MW for a brief time on the morning of the 19th, then back down to less than 200 MW at midday then up to about 2200 MW at midnight. It has fluctuated between 1000 and 2300 MW from the early morning of July 20 to shortly after midnight on July 21. Since then, it hit zero twice and has not been above 1500 MW (about 50% of nameplate capacity). A rough estimate is that wind has been erratically generating about 20% of nameplate capacity from July 22 to midnight July 24.

In Master Resource, Robert Bradley has a post based on Tom Bethell’s essay “The Electric Windmill.” In a the “Appropriate Community Technology Fair,” sponsored by the Federal Government in 1979, Bethell took a close look at the demonstration of a wind turbine. It was using electricity from the grid to operate, not generating electricity to the grid. Such is the nature of the “alternative energy” zealots in government.

Such actions prompt TWTW to state: The critical issue about wind power is not so much the cost of electricity to the consumer when wind is generating electricity; more importantly, it is the cost of electricity to the consumer when wind is not generating electricity. Why should the taxpayer subsidize expensive machines that raise the cost of reliable electricity when they undermine the financial viability of reliable generation? See links under Challenging the Orthodoxy, Funding Issues, Subsidies and Mandates Forever, and Energy Issues – US.

The Zombie Reef: The UN Educational, Scientific and Cultural Organization (UNESCO) had planned to list Australia’s Great Barrier Reef as “in danger.” Then the “Annual Summary Report of Coral Reef Condition 2020/2021” by the Australian Institute of Marine Science (AIMS) came out. It stated:

“Over the 35 years of monitoring by AIMS, the reefs of the GBR have shown an ability to recover after disturbances.

“In 2021, widespread recovery was underway, largely due to increases in fast growing Acropora corals.

“Survey reefs experienced low levels of acute stressors over the past 12 months with no prolonged high temperatures or major cyclones. Numbers of outbreaks of crown-of-thorns starfish on survey reefs have generally decreased; however, there remain ongoing outbreaks on some reefs in the Southern GBR.”

The reef has the highest coral cover in 36 years of surveys. UNESCO backed down from the “in danger” classification but kept the “critical” classification. It is important that much of the AIMS

research is done in the field, in the water, and not a fly-by which many other “experts” use. See links under Challenging the Orthodoxy.

Life Flourishing in Acidic Oceans? About 400 million years ago, carbon dioxide levels were very high, perhaps 7 to 10 times greater than they are today. In attempting to establish a relationship between a carbon-silicon cycle and temperatures, a study traces a carbon-silicon cycle over three billion years. What is particularly interesting about the study is the sudden profusion of life both on land and in the water that occurred about 400 million years ago.

This research indicates that the claim that increasing CO2 will harm marine life is highly questionable. See links under Changing Seas

Holocene Cooling: A study of the tree line across most of Russia shows a cooling starting about 9000 years ago. The abstract states:

“Over most of Russia, forest advanced to or near the current arctic coastline between 9000 and 7000 yr. B.P. and retreated to its present position by between 4000 and 3000 yr. B.P. Forest establishment and retreat was roughly synchronous across most of northern Russia.”

This finding supports the research of H.H. Lamb and recent assertions by the International Commission on Stratigraphy of cooling starting about 8200 years ago. The finding that forests were at or near the coastline of the Arctic Ocean 9000 years ago prompts the question: How did the polar bears survive? The Arctic sea ice must have been largely melted. Of course, those who do not believe the exaggerations used by the Biden administration to declare a “climate crisis” have no such question. See links under Changing Climate and

<https://stratigraphy.org/ICSchart/ChronostratChart2021-05.pdf>

14th ICCG: The 14th International Conference on Climate Change presented by The Heartland Institute will be October 15 to 17, 2021, at Caesars Palace in Las Vegas. See

<https://climateconference.heartland.org/>

39th Annual Meeting of DDP: The Doctors for Disaster Preparedness will hold their 39th annual meeting “Renew, or ‘Reset’?” in Tucson on July 30 to August 1, 2021 at the Doubletree at Reid Park. Three SEPP directors will be giving presentations: Willie Soon, Sunspots: Hindcasting and Forecasting the Solar Cycle; David Legates, Bloom energy: the Theranos of Thermodynamics; and Howard Hayden, The Magic Trick of Climate Science. Register at <http://www.ddponline.org/>

SEPP’S APRIL FOOLS AWARD THE JACKSON

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

The voting will close on July 30. Please send your nominee and a brief reason why the person is qualified for the honor to Ken@SEPP.org. The awardee will be announced at the DDP meeting on July 31 or August 1. For a list of past recipients and their accomplishments in earning this honor see <http://www.sepp.org/april-fools-award.cfm>

NO TWTW NEXT WEEK – Attending DDP meeting.

Number of the Week: – About 1,200 cubic meters per second in 1804: Writing in No Tricks Zone, Fred Mueller discusses historic records along the Ahr River, where the recent floods in Germany were the worst. Using reconstructed flow rates of the river by local historians he estimates that:

“However, both [the recent flood and a 1910 flood] are far overshadowed by the disaster of 1804, whose water discharge, with a peak discharge of about 1,200 m³/s, was twice as massive as the 1910 event. Compared to the current flood, the factor is almost threefold.

From ice cores, the estimate CO₂ level in 1800 is 283 ppmv (parts per million volume). In 2021, the maximum (May) estimate from Mauna Loa is 419. How does the 48% increase in CO₂ work out in calculating the Fractional Attribution of Risk (FAR) for the 1804 event? See links under Changing Weather and https://www.sealevel.info/co2_and_ch4.html

NEWS YOU CAN USE:

Science: Is the Sun Rising?

Long-period oscillations of the Sun discovered

By Staff Writers, Gottingen, Germany (SPX). Jul 21, 2021

https://www.spacedaily.com/reports/Long_period_oscillations_of_the_Sun_discovered_999.html

Link to paper Solar inertial modes: Observations, identification, and diagnostic promise

By Laurent Gizon, et al. Astronomy & Astrophysics, Forthcoming

<https://www.aanda.org/component/article?access=doi&doi=10.1051/0004-6361/202141462>

New sunspot catalogue to improve space weather predictions

Press Release: Skolkovo Institute of Science and Technology (SKOLTECH), July 19, 2021

https://www.eurekaalert.org/pub_releases/2021-07/sios-nsc071921.php

Link to paper: Hemispheric sunspot numbers 1874-2020

By A. M. Veronig, et al. Astronomy and Astrophysics, accepted June 2, 2021 (Forthcoming)

<https://www.aanda.org/component/article?access=doi&doi=10.1051/0004-6361/202141195>

Censorship

Big Bad Tech: When censorship goes corporate

Press Release, Global Warming Policy Forum, July 20, 2021

<https://www.thegwpf.com/big-bad-tech-when-censorship-goes-corporate/>

Link to report Big Bad Tech: When censorship goes corporate

By Donna Laframboise, GWPF, July 2021

https://www.thegwpf.com/content/uploads/2021/07/Laframboise-Big-Tech-Censorship.pdf?mc_cid=6a4e248157&mc_eid=385f70f4f2

“Large technology companies are now in the ascendant.”

[SEPP Comment: The financial rankings change depend on who does them, but the financial strength of these companies is supported in general. In the past, the heads of some of these companies would have been called “robber barons.”]

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

Miscommunication in Recent Climate Attribution Studies

By Cliff Mass, Weather Blog, July 21, 2021

<https://cliffmass.blogspot.com/2021/07/miscommunication-of-recent-climate.html>

Statement of Roger Pielke Jr

To Committee on Banking, Housing, and Urban Affairs, US Senate, July 20, 2021 [H/t Climate Etc.]

<https://www.banking.senate.gov/imo/media/doc/Pielke%20Testimony%207-20-21.pdf>

Unsettling the apple cart II: Koonin on climate

By John Robson, Climate Discussion Nexus, July 21, 2021

<https://climatediscussionnexus.com/2021/07/21/unsettling-the-apple-cart-ii-koonin-on-climate/>

Further review of Steve Koonin's book by Ross McKittrick

Link to report: Reflecting Sunlight: Recommendations for Solar Geoengineering Research and Research Governance

By Staff, National Academies of Sciences, Engineering and Medicine, 2021

<https://www.nationalacademies.org/our-work/developing-a-research-agenda-and-research-governance-approaches-for-climate-intervention-strategies-that-reflect-sunlight-to-cool-earth>

“The Electric Windmill” (Part II)

By Robert Bradley Jr, Master Resource, July 21, 2021

<https://www.masterresource.org/renewable-energy-history/electric-windmill-ii/>

“Ed. note: This completes a two-part excerpt from Tom Bethell's ‘inadvertent autobiography,’ The Electric Windmill (1988: pp. 105–06). Part I was yesterday.

Link to: Book Review: The Electric Windmill: An Inadvertent Autobiography by Tom Bethell

By David Stewart, Foundation for Economic Freedom, May 1, 1989

<https://fee.org/articles/book-review-the-electric-windmill-an-inadvertent-autobiography-by-tom-bethell/>

Germany's “Katrina”: Officials Left Dams Full For Weeks Even With Heavy Rains In The Forecast

By P Gosselin, No Tricks Zone, July 18, 2021

<https://notrickszone.com/2021/07/18/germanys-katrina-officials-left-dams-full-for-weeks-even-with-heavy-rains-in-the-forecast/>

The Weather Follies: Is Climate Change To Blame For Germany's Flooding?

By Ross Clark, Climate Change Dispatch, July 19, 2021 [H/t Paul Homewood]

<https://climatechangedispatch.com/the-weather-follies-is-climate-change-to-blame-for-germanys-flooding/>

“If you want to try to blame last week's floods on climate change, it is first necessary to argue that the models have been wrong all along – and that actually Germany will suffer greater summer precipitation.

“But then that might undermine climate models in general.”

What a recovery! Hottest ever year causes... coral reefs to grow

By Jo Nova, Her Blog, July 20, 2021

<https://joannenova.com.au/2021/07/what-a-recovery-hottest-ever-year-causes-coral-reefs-to-grow/>

What climate disaster? The Great Barrier Reef has more coral growing on it than ever recorded

By Jo Nova, Her Blog, July 23, 2021

<https://joannenova.com.au/2021/07/great-barrier-reef-has-more-coral-growing-on-it-than-ever-recorded/>

Link to report: Long-Term Monitoring Program

Annual Summary Report of Coral Reef Condition 2020/2021

Reef in recovery window after decade of disturbances

By Staff, Australian Institute of Marine Science (AIMS), 2021

<https://www.aims.gov.au/reef-monitoring/gbr-condition-summary-2020-2021>

Defending the Orthodoxy

Radical resettlers show their math in new peer-reviewed study

By CFACT, Editorial, July 4, 2021 [H/t Paul Homewood]

<https://www.cfact.org/2021/07/04/radical-resettlers-show-their-math-in-new-peer-reviewed-study/>

Paper reproduced: Socio-economic conditions for satisfying human needs at low energy use: An international analysis of social provisioning

By Jefim Vogel, et al. Global Environmental Change, June 29, 2021

<https://www.sciencedirect.com/journal/global-environmental-change>

From its website: “Global Environmental Change is a peer-reviewed international journal publishing high quality, theoretically and empirically rigorous articles, which advance knowledge about the human and policy dimensions of global environmental change. The journal interprets global environmental change to mean the outcome of processes that are manifest in localities, but with consequences at multiple spatial, temporal and socio-political scales.”

[SEPP Comment: Another “rigorous article” written by those with “advanced knowledge” about global environmental change without the foggiest notion of how greenhouse gases influence global temperatures.]

Defending the Orthodoxy – Bandwagon Science

GAR [Global Assessment Report] Special Report on Drought 2021

By Staff, UN Office for Disaster Risk Reduction, 2021 [H/t Climate Etc.]

<file:///C:/Users/Owner/Downloads/GAR%20Special%20Report%20on%20Drought%202021.pdf>

Comment from Climate Etc: “According to UNDRR report out on drought today, human-caused climate change is expected to have a discernable effect on drought, but that effect is not generally expected to be detectable today.]

<https://judithcurry.com/2021/07/23/week-in-review-science-edition-128/#more-27759>

Questioning the Orthodoxy

Pielke Jr. On Recent Climate Attribution Claims

By Roger Pielke Jr. Via WUWT, July 23, 2021

<https://wattsupwiththat.com/2021/07/23/pielke-jr-on-recent-climate-attribution-claims/>

1970s-’80s ‘Physics’ Said Doubling CO2 Produced Just 0.2°C – 0.8°C Warming. Then ‘Physics’ Changed.

By Kenneth Richard, No Tricks Zone, July 22, 2021

<https://notrickszone.com/2021/07/22/1970s-80s-physics-said-doubling-co2-produced-just-0-2c-0-8c-warming-then-physics-changed/>

Climate change: the West’s energy transition narrative ignores the reality in Asia

BP’s latest review of energy use has been presented as positive developments in carbon reduction. However, the facts remain that fossil fuels continue to provide most of the world’s energy needs and that developing Asia is driving demand

By Tilak K. Doshi, South China Morning Post, July 16, 2021

<https://www.scmp.com/comment/opinion/article/3141197/climate-change-wests-energy-transition-narrative-ignores-reality>

Problems in the Orthodoxy

US urges China to help with climate; As EU fears populist pushback

By AFP Staff Writers, London (AFP), July 20, 2021

https://www.terraviva.com/reports/Kerry_urges_China_to_help_solve_climate_challenge_999.html

“The EU's environment supremo Frans Timmermans defended his proposals and asked member states to remain open-minded.”

[SEPP Comment: Remain open-minded to plans by the closed-minded?]

Seeking a Common Ground

The Peril of Politicizing Science

By Anna I. Krylov, Journal of Physical Chemistry, Letters, June 10, 2021 [H/t Climate Etc.]

<https://pubs.acs.org/doi/10.1021/acs.jpcllett.1c01475#>

Science, Policy, and Evidence

‘Welt’ Commentary: Germany Flood Catastrophe Made Possible By “Inconceivable Ignorance”...“Unbelievable Scandal”

By P Gosselin, No Tricks Zone, July 20, 2021

<https://notrickszone.com/2021/07/20/welt-commentary-germany-flood-catastrophe-made-possible-by-inconceivable-ignorance-unbelievable-scandal/>

“For too many years a crusty old bureaucracy focused on climate protection while ignoring protection from the whims of the weather. Their strategy, as unbelievable as it may sound, was to try to produce good weather by cutting CO2 emissions. It’s that stupid.”

Chinese Virus Retrospective: The Shame Of Our Public Health "Experts"

By Francis Menton, Manhattan Contrarian, July 22, 2021

<https://www.manhattancontrarian.com/blog/2021-7-22-chinese-virus-retrospective>

“The people 44 and under constitute the substantial majority of the population, and for them Covid-19 has either been no worse than, or not nearly as bad as, a regular bad flu season. Why again were their lives turned inside out?”

[SEPP Comment: The COVID-19 experience illustrated the vanity of “experts” claiming to understand things they don’t.]

Ditching Plastic For Aluminum Is Worse For The Planet

By Will Coggin, Issues & Insights, July 21, 2021

<https://issuesinsights.com/2021/07/21/ditching-plastic-for-aluminum-is-worse-for-the-planet/>

Nevada Democrat introduces bill requiring feds to develop fire management plan

By Zack Budryk, The Hill, July 22, 2021

<https://thehill.com/policy/energy-environment/564361-nevada-democrat-introduces-bill-requiring-feds-to-develop-fire>

[SEPP Comment: “Let it burn” is not working?]

Models v. Observations

Outsize Influence of Central American Orography on Global Climate

By Jane W. Baldwin, AGU Advances, June 9, 2021

https://agupubs.onlinelibrary.wiley.com/doi/10.1029/2020AV000343#.YMI6Ugjsb_U.twitter

From the plain language summary: “Climate models break the earth up into grid boxes to simulate atmosphere and ocean circulations. Since mountain peaks are smaller than these grid boxes, mountains in climate models, including the Sierra Madre, are shorter than in reality. The low bias in these mountains makes the simulation of climate in the tropical East Pacific different than that observed on earth. We show that these differences can be resolved by making mountains in climate models as high as in reality.”

[SEPP Comment: Given the way the Central American Mountains disturb atmospheric circulations; one can only speculate how much the closing of the Central American Seaway about 3 million years ago changed the ocean circulations. But those making claims of CO2 causing warming earlier than 3 million years ago ignore such details.]

Model Issues

Climate regulation changed with the proliferation of marine animals and terrestrial plants

Geoscientific study traces carbon-silicon cycle over three billion years on the basis of lithium isotope levels

Press Release, Johannes Gutenberg Universitaet Mainz, July 15, 2021 [H/t WUWT]

https://www.eurekalert.org/pub_releases/2021-07/jgum-crc071521.php

Link to paper: A lithium-isotope perspective on the evolution of carbon and silicon cycles

By Boriana Kalderon-Asael, et al. Nature, July 14, 2021

<https://www.nature.com/articles/s41586-021-03612-1>

From abstract: “Using a mass-balance modelling approach, we propose that the observed trend in lithium-isotope values reflects a transition from Precambrian carbon and silicon cycles to those characteristic of the modern. We speculate that this transition was linked to a gradual shift to a biologically controlled marine silicon cycle and the evolutionary radiation of land plants,”

Measurement Issues -- Surface

Fact-free

By John Robson, Climate Discussion Nexus, July 21, 2021

<https://climatediscussionnexus.com/2021/07/21/fact-free/>

“So here we point not just to Muir’s work but, again, to the American Climate Reference Network designed to avoid the UHI problem by depending on rural stations, which shows slight cooling in the continental United States since 2005 (about 0.4°C). And as Ronald Barmby observes in his Sunlight on Climate Change (p. 141) ‘It seems odd that the only part of the world that is not warming is where the most advanced temperature recordings are being taken, and in the rest of the world where there are poor data, it is warming.’”

The HadCRUT4 Global Temperature Dataset Now Unveils A Cooling Trend For The Last 7.5 Years

By Kenneth Richard, No Tricks Zone, July 19, 2021

<https://notrickszone.com/2021/07/19/the-hadcrut4-global-temperature-dataset-now-unveils-a-cooling-trend-for-the-last-7-5-years/>

[SEPP Comment: Too short a time for any significant trend.]

Measurement Issues -- Atmosphere

Global satellite data shows clouds will amplify global heating

By Staff Writers, London, UK (SPX), Jul 20, 2021

https://www.spacedaily.com/reports/Global_satellite_data_shows_clouds_will_amplify_global_heating_999.html

Link to paper: Observational evidence that cloud feedback amplifies global warming

By Paulo Ceppi and Peer Nowack, PNAS, July 27, 2021

<https://www.pnas.org/content/118/30/e2026290118>

From the abstract: “Using data from Earth observations and climate model simulations, we here develop a statistical learning analysis of how clouds respond to changes in the environment.”

[SEPP Comment: Model simulations are meaningless science if the models have not been validated using atmospheric data. If warming amplification exists, why hasn't the planet cooked before?]

Changing Weather

Current European flood-rich period exceptional compared with past 500 years

By Günter Blöschl, et al. Nature, July 22, 2021 [H/t Climate Etc.]

<https://www.nature.com/articles/s41586-020-2478-3>

From the abstract: “We identified nine flood-rich periods and associated regions. Among the periods richest in floods are 1560–1580 (western and central Europe), 1760–1800 (most of Europe), 1840–1870 (western and southern Europe) and 1990–2016 (western and central Europe). In most parts of Europe, previous flood-rich periods occurred during cooler-than-usual phases, but the current flood-rich period has been much warmer. Flood seasonality is also more pronounced in the recent period.”

[SEPP Comment: Apparently the “exceptional” is that now floods are occurring during warmer seasons than previously.]

Long-term variability and trends in meteorological droughts in Western Europe (1851–2018)

By Sergio M. Vicente-Serrano, et al. International Journal of Climatology, June 22, 2020 [H/t Climate Etc.]

<https://rmets.onlinelibrary.wiley.com/doi/10.1002/joc.6719>

“Results reveal a general absence of statistically significant long-term trends in the study domain, with the exception of significant trends at some stations, generally covering short periods.”

Alarmists Scaremongering, Ignore Germany’s Long History Of Massive Flooding

CO2 scaremongering and the truth about German floods

By Fred F. Mueller, No Tricks Zone, July 23, 2021

<https://notrickszone.com/2021/07/23/alarmists-scaremongering-ignore-germanys-long-history-of-massive-flooding/>

A world protected by windmills? In 1717 Christmas Floods in Germany killed 14,000

By Jo Nova, Her Blog, July 19, 2021

<https://joannenova.com.au/2021/07/a-world-protected-by-windmills-in-1717-christmas-floods-in-germany-killed-14000/>

Chinese army warns dam battered by storms could collapse

By AFP Staff Writers, Beijing (AFP), July 20, 2021

https://www.terradaily.com/reports/Chinese_army_warns_dam_battered_by_storms_could_collapse_999.html

The Untouchables

By Tony Heller, His Blog, July 21, 2021

<https://realclimatescience.com/2021/07/the-untouchables/>

Link to: Review and Update of the 1995 Federal Wildland Fire Management Policy

By Staff, Departments of Interior, Agriculture, Energy, Defense, Commerce, EPA, FEMA, National Association of State Foresters, January 2001

https://web.archive.org/web/20201101021334/https://www.nifc.gov/PIO_bb/Policy/FederalWildlandFireManagementPolicy_2001.pdf

“Twenty-four states have been over 115F, and all occurred with CO2 below 350 PPM.”
[SEPP Comment: List of states, with highest temperatures and when the Wildland Fire Management Policy went to “let it burn.”]

What Controls the Movement of Wildfire Smoke? And a Perfect Forecast for the Next Week.

By Cliff Mass, Weather Blog, July 23, 2021

<https://cliffmass.blogspot.com/2021/07/what-controls-movement-of-wildfire.html>

Podcast

Fires on the West Coast Produce Smoke and Bad Air on the East Coast

By Cliff Mass, Weather Blog, July 20, 2021

<https://cliffmass.blogspot.com/2021/07/fires-on-west-coast-produce-smoke-and.html>

[SEPP Comment: Will East Coast power plants be fined for violating Clean Air regulations?]

Signs of a resurgence in La Nina and the potential implications on global temperatures and the upcoming winter season

By Meteorologist Paul Dorian, Peraton, Via WUWT, July 20, 2021

<https://wattsupwiththat.com/2021/07/20/signs-of-a-resurgence-in-la-nina-and-the-potential-implications-on-global-temperatures-and-the-upcoming-winter-season/>

Changing Climate

Northern Russia Summers 2.5 to 7.0C Warmer 7000 Years Ago

By Paul Homewood, Not a Lot of People Know That, July 21, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/21/northern-russia-summers-2-5-to-7-0c-warmer-7000-years-ago/>

Link to paper: Holocene Treeline History and Climate Change Across Northern Eurasia

By Glen M. MacDonald, et al. Quaternary Research, May 3, 2000

<https://www.sciencedirect.com/science/article/abs/pii/S0033589499921233>

Evidence of RWP In Florida

By Paul Homewood, Not a Lot of People Know That, July 22, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/22/evidence-of-rwp-in-florida/>

Link to paper: Seasonal climate change across the Roman Warm Period/Vandal Minimum transition using isotope sclerochronology in archaeological shells and otoliths, southwest Florida, USA

By Ting Wang, Donna Surge, & Karen Jo Walker Quaternary International, November 19, 2012

https://www.academia.edu/19377134/Seasonal_climate_change_across_the_Roman_Warm_Period_Vandal_Minimum_transition_using_isotope_sclerochronology_in_archaeological_shells_and_otoliths_southwest_Florida_USA?email_work_card=view-paper

They are all going to die, although...

By John Robson, Climate Discussion Nexus, July 21, 2021

<https://climatediscussionnexus.com/2021/07/21/they-are-all-going-to-die-although/>

Changing Climate – Cultures & Civilizations

Long-term decrease in Asian monsoon rainfall and abrupt climate change events over the past 6,700 years

By Bao Yang, et al. PNAS, July 27, 2021

<https://www.pnas.org/content/118/30/e2102007118>

[SEPP Comment: *When the Asian summer monsoon does not water the Mongolian grasslands, nomads make thing difficult for those living in northern China.*]

Changing Seas

Climate regulation changed with the proliferation of marine animals and terrestrial plants

Geoscientific study traces carbon-silicon cycle over three billion years on the basis of lithium isotope levels

Press Release, Johannes Gutenberg Universitaet Mainz, July 15, 2021 [H/t WUWT]

https://www.eurekalert.org/pub_releases/2021-07/jgum-crc071521.php

Link to paper: A lithium-isotope perspective on the evolution of carbon and silicon cycles

By Boriana Kalderon-Asael, et al. Nature, July 14, 2021

<https://www.nature.com/articles/s41586-021-03612-1>

Here comes the moon

By John Robson, Climate Discussion Nexus, July 21, 2021

<https://climatediscussionnexus.com/2021/07/21/here-comes-the-moon/>

Islands of Truth Emerging from the Murky Depths of “Sea Level Science”

By Jim Steele, WUWT, July 19, 2021

<https://wattsupwiththat.com/2021/07/19/islands-of-truth-emerging-from-the-murky-depths-of-sea-level-science/>

Changing Cryosphere – Land / Sea Ice

Record Heat In Antarctica, Claims The Absurd Jonathan Amos

By Paul Homewood, Not a Lot of People Know That, July 20, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/20/record-heat-in-antarctica-claims-the-absurd-jonathan-amos/>

“I personally cannot get worked up about a rise of 0.4C in 41 years! And I certainly would not call 18.4C ‘heat’.”

[SEPP Comment: *Homewood shows the history of “warming” at the Antarctic weather station with “record heat.”*]

Western Hudson Bay polar bears: still some out on the sea ice, some causing trouble

By Susan Crockford, Polar Bear Science, July 22, 2021

<https://polarbearscience.com/2021/07/22/western-hudson-bay-polar-bears-still-some-out-on-the-sea-ice-some-causing-trouble/>

[SEPP Comment: *Without the lockdown, prime tourist season for Churchill on the bay.*]

Changing Earth

Hiawatha Crater: Bracketing the Age

By David Middleton, WUWT, July 23, 2021

<https://wattsupwiththat.com/2021/07/23/hiawatha-crater-bracketing-the-age/>

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

Here came the flood

By John Robson, Climate Discussion Nexus, July 21, 2021

<https://climatediscussionnexus.com/2021/07/21/here-came-the-flood/>

From Reuters: ““The devastation of the floods, attributed by meteorologists to a climate-change driven shift in the jet stream that has brought inland water that once stayed at sea, could shake up an election that has until now seen little discussion of climate.””

[SEPP Comment: Just like the drought in the Western US, the predictions come after the event, cherry-picking at it best!]

BBC & The Sunderbans

By Paul Homewood, Not a Lot of People Know That, July 23, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/23/bbc-the-sunderbans/>

“The report highlights islands which are gradually disappearing under the sea. But this shows a total ignorance of how deltas form and evolve. Low lying islands and mud flats are forever shifting as they erode and grow back, caught between the forces of tides, storms, sedimentation and flooding. There is no reason why any island there should be permanent.

Henan Floods

By Paul Homewood, Not a Lot of People Know That, July 21, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/21/henan-floods/>

[SEPP Comment: Ignoring the past!]

Guardian’s Latest Amazon Scare Story

By Paul Homewood, Not a Lot of People Know That, July 21, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/21/guardians-latest-amazon-scare-story/>

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

In Pennsylvania, Scientific and Economic Realities Unsettle Climate Change Morality Plays

By Kevin Mooney, Real Clear Energy, July 21, 2021

https://www.realclearenergy.org/articles/2021/07/21/in_pennsylvania_scientific_and_economic_realities_unsettle_climate_change_morality_plays_786544.html

Press Release: Gov. Wolf 2021 Climate Impacts Report Projects Pennsylvania Will Be 5.9° F Warmer by Midcentury, Targets Areas to Reduce Risk

By Staff, Pennsylvania Climate Impacts Assessment 2021, May 05, 2021

<https://www.governor.pa.gov/newsroom/gov-wolf-2021-climate-impacts-report-projects-pennsylvania-will-be-5-9-f-warmer-by-midcentury-targets-areas-to-reduce-risk/>

Report by ICF, May 2021

<http://www.depgreenport.state.pa.us/elibrary/GetDocument?docId=3667348&DocName=PENNSYLVANIA%20CLIMATE%20IMPACTS%20ASSESSMENT%202021.PDF%20%20%3cspan%20style%3D%22color:green%3b%22%3e%3c/span%3e%20%3cspan%20style%3D%22color:blue%3b%22%3e%28NEW%29%3c/span%3e%204/30/2023>

[SEPP Comment: No exaggeration is too great if the purpose is “to save the planet.”]

Of words and deeds

By John Robson, Climate Discussion Nexus, July 21, 2021

<https://climatediscussionnexus.com/2021/07/21/of-words-and-deeds/>

[SEPP Comment: Waiting to see industrial wind without concrete and steel footings!]

Unsustainable Arctic shipping risks accelerating damage to the Arctic environment

By Staff Writers, London, UK (SPX), Jul 20, 2021

https://www.spacedaily.com/reports/Unsustainable_Arctic_shipping_risks_accelerating_damage_to_the_Arctic_environment_999.html

Link to paper: A techno-economic environmental cost model for Arctic shipping
By Lambert, Joseph, et al. Transportation Research Part A: Policy and Practice, September 2021
<https://www.sciencedirect.com/science/article/pii/S0965856421001701?via%3Dihub>

Communicating Better to the Public – Make things up.

The current drought is worldwide. Here's how different places are fighting it

By Celina Tebor, Phys.Org, July 19, 2021 [H/t Bernie Kepshire]

<https://phys.org/news/2021-07-current-drought-worldwide.html>

Link to: SPEI Global Drought Monitor, June 2021, Accessed July 20, 2021

<https://spei.csic.es/map/maps.html#months=1#month=5#year=2021>

[SEPP Comment: Except where it is raining, such as Canada, Europe, South and East Asia, etc.]

Climate 'mysteries' still puzzle scientists, despite progress

By Amélie Bottollier-Depois, Paris (AFP) July 23, 2021

https://www.terraviva.com/reports/Climate_mysteries_still_puzzle_scientists_despite_progress_99.html

“In almost real time, researchers can pinpoint the role of climate change in a given disaster, something they were unable to do at all until very recently.

“Now, so-called ‘attribution’ science means we can say how probable an extreme weather event would have been had the climate not been changing at all.

[SEPP Comment: Going deeper into fantasyland. Able to attribute after the fact, but unable to predict, even using probabilities.]

Communicating Better to the Public – Do a Poll?

Communicating About Climate Change: What’s Politics Got To Do With It?

By Charles Rotter, WUWT, July 21, 2021

<https://wattsupwiththat.com/2021/07/21/communicating-about-climate-change-whats-politics-got-to-do-with-it/>

Expanding the Orthodoxy

Yellen to lead investigation into climate change risk to financial system

By Caroline Vakil, The Hill, July 11, 2021

<https://thehill.com/policy/finance/562432-yellen-to-lead-investigation-into-climate-change-risk-to-financial-system>

“The Financial Stability Oversight Council (FSOC), which is chaired by Treasury secretary and comprised of U.S. regulators from the Federal Reserve System, Securities and Exchange Commission (SEC) and others, will do an analysis as part of an executive order that the president signed regarding the financial risks related to climate, ‘outlining a whole-of-government process to assess climate risk to the U.S. financial system and federal government,’ Yellen said.”

[SEPP Comment: What is the financial risk of destructive government policy? Who pays for its failure?]

The Fallacy of Climate Financial Risk

By John Cochran, Project Syndicate, July 21, 2021 [H/t Bernie Kepshire]

<https://www.project-syndicate.org/commentary/climate-financial-risk-fallacy-by-john-h-cochrane-2021-07>

Democrats Lay Out Vision for Civilian Climate Corps

By Rachel Frazin, The Hill, July 20, 2021

<https://thehill.com/policy/equilibrium-sustainability/563848-dozens-of-democrats-lay-out-vision-for-civilian-climate-corps>

Link to letter: Dear Speaker Pelosi and Leader Schumer

By various Senators and Representatives, July 20, 2021

[https://neguse.house.gov/imo/media/doc/CCC%20Letter%20-%20Final%20Signed%20\(004\).pdf](https://neguse.house.gov/imo/media/doc/CCC%20Letter%20-%20Final%20Signed%20(004).pdf)

“The Civilian Climate Corps will invest in natural climate solutions...”

[SEPP Comment: What if nature is the problem?]

Questioning European Green

Four Flaws With the EU’s New Climate Plans

By Pieter Cleppe, Real Clear Energy, July 19, 2021

https://www.realclearenergy.org/articles/2021/07/19/four_flaws_with_the_eus_new_climate_plans_786188.html

CCC Says We Must Spend £9000 To Stop Homes “Overheating” In Thirty Years Time!

By Paul Homewood, Not a Lot of People Know That, July 22, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/22/ccc-says-we-must-spend-9000-to-stop-homes-overheating-in-thirty-years-time/>

Funding Issues

How to Leverage Regional Wind and Solar Power for the Entire U.S.

By Robert Hebner, Real Clear Energy, July 20, 2021

https://www.realclearenergy.org/articles/2021/07/20/how_to_leverage_regional_wind_and_solar_power_for_the_entire_us_786341.html

“Finally, agencies must significantly fund research to drive down the cost of each option and ramp up clean energy technologies to scale.”

“At least 50% of the funding should go to universities as, by conducting the research, they are also educating the next generation of U.S. leaders.”

[SEPP Comment: How the “Director of the Center for Electromechanics at the University of Texas at Austin” hopes to cash in from the false fear of carbon dioxide.]

Other People’s Money — Gambling on Net Zero

By Andrew Stuttaford, National Review, Capital Matters, July 13, 2021

<https://www.nationalreview.com/2021/07/other-peoples-money-gambling-on-net-zero/>

“Translation: Neither corporations nor those that, directly or indirectly, invest in them will be allowed to weigh climate risk for themselves. Nor will the decision of how much, if anything, they should spend on dealing with it be left to them alone.

“But they will be made to pick up the tab. Other people’s money, you see.”

Cap-and-Trade and Carbon Taxes

Why the EU’s Carbon Border Tax will Fail to Stop Carbon Leakage

By Eric Worrall, WUWT, July 20, 2021

<https://wattsupwiththat.com/2021/07/20/why-the-eus-carbon-border-tax-will-fail-to-stop-carbon-leakage/>

Subsidies and Mandates Forever

Offshore Wind Subsidies Topped £4 Billion Last Year

By Paul Homewood, Not a Lot of People Know That, July 22, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/22/3-4-billion-subsidy-for-offshore-wind-industry-last-year/>

EPA and other Regulators on the March

Granholm announces new building energy codes

By Zack Budryk, The Hill, July 21, 2021

<https://thehill.com/policy/energy-environment/564134-granholm-announces-new-building-energy-codes>

Link to report: Energy Savings Analysis: 2021 IECC for Residential Buildings

By V. Robert Salcido, et al, Pacific Northwest National Laboratory, July 2021

[https://www.energycodes.gov/sites/default/files/2021-](https://www.energycodes.gov/sites/default/files/2021-07/2021_IECC_Final_Determination_AnalysisTSD.pdf)

[07/2021_IECC_Final_Determination_AnalysisTSD.pdf](https://www.energycodes.gov/sites/default/files/2021-07/2021_IECC_Final_Determination_AnalysisTSD.pdf)

[SEPP Comment: Has estimates of Social Cost of CO2 with 4 arbitrary values. Then, weighs costs based on CO2 “savings – benefits.” No estimates of actual monetary costs of implementation!]

Energy Issues – Non-US

Why We Can't Afford To Turn Our Backs On Fossil Fuels

By Irina Slav, Oil Price.com, Jul 19, 2021

<https://oilprice.com/Energy/General/Why-We-Cant-Afford-To-Turn-Our-Backs-On-Fossil-Fuels.html>

National Grid to lose Great Britain electricity role to independent operator

By Paul Homewood, Not a Lot of People Know That, July 20, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/20/national-grid-to-lose-great-britain-electricity-role-to-independent-operator/>

“Government will therefore throw out the knowledge and skills built up over many years by electrical engineers who know what they are doing. In their place, we will probably end up with the sort of eco loons who infest the Committee on Climate Change.

“Heaven help us all!”

Energy Issues – Australia

Aussie Coal Miner Accused of Violating Climate Change Disclosure Rules

By Eric Worrall, WUWT, July 21, 2021

<https://wattsupwiththat.com/2021/07/21/aussie-coal-miner-accused-of-violating-climate-change-disclosure-rules/>

“New Hope Mining have done what we have all been waiting for – they have quietly challenged the entire renewables industry, by explicitly pointing out the falsehood of claims that renewables are a viable replacement for fossil fuel in an official company document.”

Energy Issues -- US

Rick Perry Was Right...

By David Middleton, WUWT, July 21, 2021

<https://wattsupwiththat.com/2021/07/21/rick-perry-was-right/>

“Rick Perry went on to become the best Secretary of Energy in the department’s 43 year history. For the first time since its establishment, the DOE focused on enabling the private sector to deliver reliable and affordable energy and established American Energy Dominance.”

Ohio Eviscerates Preferred Siting, Accelerated Permission for Wind/Solar Developers (communities win!)

By Sherri Lange, Master Resource, July 22, 2021

<https://www.masterresource.org/ohio/ohio-sb52-wind-solar-setback/>

“Requires developers to submit decommissioning plans when applying to OPSB.” [Ohio Power Siting Board.]

Bonneville Power Administration

By Staff, BPA.Gov/transmission, Accessed July 17

BPA Balancing Authority Total Wind Generation, Near-Real-Time

<https://transmission.bpa.gov/Business/Operations/Wind/twndbspt.aspx>

BPA Balancing Authority Load and Total Wind, Hydro, Fossil/Biomass, and Nuclear Generation, Near-Real-Time

<https://transmission.bpa.gov/Business/Operations/Wind/baltwg.aspx>

Oil and Natural Gas – the Future or the Past?

US Crude Oil Exports: Record High in 2020, Despite Lockdown

By David Middleton, WUWT, July 22, 2021

<https://wattsupwiththat.com/2021/07/22/us-crude-oil-exports-record-high-in-2020-despite-lockdown/>

State Report: PA Extracted More Natural Gas Than Ever During Pandemic

By Madison Goldberg, WSKG NPR, July 8, 2021

<https://wskg.org/news/state-report-pa-extracted-more-natural-gas-than-ever-during-pandemic/>

Link to: 2020 Oil and Gas Annual Report

By Staff, Pennsylvania Department of Environmental Protection, 2021

<https://storymaps.arcgis.com/stories/af368dfb17bd4f219ea0ee22bd4c514a>

Alternative, Green (“Clean”) Solar and Wind

Expanding the Supply Chain for Rare Earth Materials

By Lewis Black, Real Clear Energy, July 22, 2021

https://www.realclearenergy.org/articles/2021/07/22/expanding_the_supply_chain_for_rare_earth_materials_786711.html

“While people around the world rely on these minerals in their everyday lives, China produces 80% of the U.S. rare earths, and has been doing so for quite some time.”

[SEPP Comment: The Chinese are economically benefiting from the fear in the US that carbon dioxide is causing dangerous global warming for which there is limited physical evidence.]

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

Hot Rocks Resurrected

By Donn Dears, Power For USA, July 20, 2021

<https://ddears.com/2021/07/20/hot-rocks-resurrected/>

[SEPP Comment: Perhaps New Zealand offers the best solution. Build your most populous city, Auckland, on a volcanic field and wait for the heat to come up.]

Making clean hydrogen is hard, but researchers just solved a major hurdle

Press Release, University of Texas at Austin, July 19, 2021 [H/t WUWT]

https://www.eurekalert.org/pub_releases/2021-07/uota-mch071921.php

Link to paper: Scalable, highly stable Si-based metal-insulator-semiconductor photoanodes for water oxidation fabricated using thin-film reactions and electrodeposition
By Soonil Lee, Li Ji, Alex C. De Palma & Edward T. Yu, Nature Communications, June 25, 2021
<https://www.nature.com/articles/s41467-021-24229-y>

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

The economic and reliability impacts of grid-scale storage in a high penetration renewable energy system

By Samuel C. Johnson, Advances in Applied Energy, Aug 25, 2021 [H/t Climate Etc.]

<https://www.sciencedirect.com/science/article/pii/S2666792421000445>

“Compressed air energy storage systems generate the highest system value.”

Alternative, Green (“Clean”) Vehicles

Take the electric motorway, then continue on the road to ruin

By Henry Getley, The Conservative Woman, July 18, 2021 [H/t Paul Homewood]

<https://www.conservativewoman.co.uk/take-the-electric-motorway-then-continue-on-the-road-to-ruin/>

Mercedes-Benz going all-electric by 2025

By Celine Castronuovo, The Hill, July 22, 2021

<https://thehill.com/policy/equilibrium-sustainability/564311-mercedes-benz-going-all-electric-by-2025>

[SEPP Comment: *Why should luxury carmakers get subsidies to change their products?*]

Carbon Schemes

Chevron concedes CCS failures at Gorgon, seeks deal with WA [Western Australian] regulators

By Michael Mazengarb, Renew Economy, July 19, 2021

<https://reneweconomy.com.au/chevron-concedes-ccs-failures-at-gorgon-seeks-deal-with-wa-regulators/>

“Chevron is understood to have spent more than \$3 billion building the carbon capture facility, but it took several years after the start of gas production for the Gorgon CCS project even to begin operation due to delays and technical difficulties.”

Carbon Capture: The Key Answer on Climate Change

By Dan Ervin, Real Clear Energy, July 18, 2021

https://www.realclearenergy.org/articles/2021/07/18/carbon_capture_the_key_answer_on_climate_change_785998.html

“There is simply no credible way to address the climate challenge without becoming more practical about the way we generate electricity and the need for carbon capture. This shouldn’t be a secondary piece of the solution to reduce global emissions but rather right at the heart of the effort.”

A Tale of Two CCS Worlds

By David Middleton, WUWT, July 20, 2021

<https://wattsupwiththat.com/2021/07/20/a-tale-of-two-ccs-worlds/>

See link immediately above.

Smokestack Fighting: Carbon Capture Promises to Slash Emissions, and Greens Hate It

By Vince Bielski Real Clear Investigations July 21, 2021

https://www.realclearenergy.org/2021/07/21/smokestack_fighting_carbon_capture_promises_to_slash_emissions_and_greens_hate_it_786366.html

California Dreaming

Treadmill Decarbonization Doesn't Help

By Adam Stein, The Breakthrough Institute, July 9, 2021 [H/t Climate Etc.]

<https://thebreakthrough.org/blog/treadmill-decarbonization-doesnt-help>

“Some proponents of renewables claim that closing nuclear power plants will get them out of the way of cheaper renewables, saving money for the ratepayers. That claim has not been realized. Just for the closure of Diablo Canyon, ratepayers will have to shoulder \$437 million in the form of higher electricity prices to support the local economy, community support programs, and more than 1,300 lost jobs.”

Health, Energy, and Climate

Bjorn Lomborg: Climate change and deaths from extreme heat and cold

For now, global warming reduces more deaths than it causes, saving possibly 100,000 lives each year

By Bjorn Lomborg, Financial Post, July 20, 2021

<https://financialpost.com/opinion/bjorn-lomborg-climate-change-and-deaths-from-extreme-heat-and-cold>

2020 Drug Deaths Spiked 30%. And Pain Pills Had NOTHING To Do With It

New data have been published on drug overdose deaths in 2020. Although you won't find it anywhere obvious, prescription opioid analgesics remain only a minor (and stable) contributor to the record 93,000 people who died from drug overdoses last year.

By Josh Bloom, ACSH, July 19, 2021

<https://www.acsh.org/news/2021/07/19/2020-drug-deaths-spiked-30-and-pain-pills-had-nothing-do-it-15669>

Other News that May Be of Interest

Bill Gates's stranglehold on the MSM: Part 2 – Britain

By Karen Harradine, The Conservative Woman, July 16, 2021 [H/t Paul Homewood]

<https://www.conservativewoman.co.uk/bill-gatess-stranglehold-on-the-msm-part-2-britain/>

Journalism's Gates keepers

By Tim Schwab, Columbia Journalism Review, Aug 21, 2020

<https://www.cjr.org/criticism/gates-foundation-journalism-funding.php>

“I recently examined nearly twenty thousand charitable grants the Gates Foundation had made through the end of June and found more than \$250 million going toward journalism.”

Woke Language Is Changing the Meaning of Words

By John Stossel, The Daily Signal, July 21, 2021

https://www.dailysignal.com/2021/07/21/woke-language-is-changing-the-meaning-of-words/?utm_source=TDS_Email&utm_medium=email&utm_campaign=MorningBell&mkt_tok=ODI0LU1IVC0zMDQAAAF-dq9tpWahhNVwkMFyV0MvdwAuDd9A2wneNpJ-jmQkX4c8J-xO7SBaOc0nNAf0zIt48qipqFnjAEu85terDnXxDvkWwLhqIM9CENLfNKVtl_oxqg

For the First Time Ever, Scientists Witness Chimps Killing Gorillas

The surprising observation could yield new insights into early human evolution.

By George Dvorsky, Gizmodo, July 21, 2021 [H/t Climate Depot]

<https://gizmodo.com/for-the-first-time-ever-scientists-witness-chimps-kill-1847330442>

Link to paper: Lethal coalitionary attacks of chimpanzees (Pan troglodytes troglodytes) on gorillas (Gorilla gorilla gorilla) in the wild

By Lara M. Southern, Tobias Deschner & Simone Pika, Nature Scientific Reports, July 19, 2021

<https://www.nature.com/articles/s41598-021-93829-x>

From the abstract: “In both events, the chimpanzees significantly outnumbered the gorillas and victims were infant gorillas.”

BELOW THE BOTTOM LINE

Men worse for climate change than women (so if enough transition, will that stop the floods?)

By Jo Nova, Her Blog, July 23, 2021

<https://joannenova.com.au/2021/07/men-worse-for-climate-change-than-women-so-if-enough-transition-will-that-stop-the-floods/>

Link to paper: Shifting expenditure on food, holidays, and furnishings could lower greenhouse gas emissions by almost 40%

By Annika Carlsson Kanyama, et al. Journal of Industrial Ecology, July 19, 2021

<https://onlinelibrary.wiley.com/doi/10.1111/jiec.13176>

“Men cause all the bad things (except for this study which mostly written by women):”

Concha rips 'woke' leftists over MLB name-change: 'New York Jets are toast' because of global warming

The Jets -- named for their former stadium's proximity to La Guardia -- could be next.

By Charles Creitz, Fox News, July

<https://www.foxnews.com/media/concha-rips-woke-leftists-over-mlb-indians-name-change-new-york-jets-are-toast-vec>

Facebook Flags the Name of a Gardening Tool When Used in a Gardening Group

By Bryan Preston, PJ Media, JUL 22, 2021

https://pjmedia.com/news-and-politics/bryan-preston/2021/07/22/facebook-flags-the-name-of-a-gardening-tool-when-used-in-a-gardening-group-n1463887?utm_source=pjmedia&utm_medium=email&utm_campaign=nl_pm&newsletterad=&cid=600713400c5e414103c69dc935baaf47&recip=4143601

Faster Than Predicted

John Kerry says global warming is happening faster than predicted.

By Tony Heller, His Blog, July 21, 2021

<https://realclimatescience.com/2021/07/faster-than-predicted/>

“He also says the Arctic will be ice-free [in the summer] by 2014. [In 2009]

It's The Pigs Fault!

By Paul Homewood, Not a Lot of People Know That, July 20, 2021

<https://notalotofpeopleknowthat.wordpress.com/2021/07/20/its-the-pigs-fault/>

“I've got an idea. Why don't they just wipe out every animal on earth?”

Uniting Church: “The climate emergency has come about because of our sinfulness”

By Eric Worrall, WUWT, July 21, 2021

<https://wattsupwiththat.com/2021/07/21/uniting-church-the-climate-emergency-has-come-about-because-of-our-sinfulness/>

We just panel the Sahara and...

By John Robson, Climate Discussion Nexus, July 21, 2021

<https://climatediscussionnexus.com/2021/07/21/we-just-panel-the-sahara-and/>

[SEPP Comment: Think of all those green jobs cleaning the panels after a sandstorm!]

ARTICLES

NO ARTICLES THIS WEEK: Recommend “The Peril of Politicizing Science” under Seeking a Common Ground