

**The Week That Was: 2015-09-12 (September 12, 2015)**  
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**The Science and Environmental Policy Project**

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**Quote of the Week:** *"They [the global climate models] are full of fudge factors that are fitted to the existing climate, so the models more or less agree with the observed data. But there is no reason to believe that the same fudge factors would give the right behaviour in a world with different chemistry, for example in a world with increased CO2 in the atmosphere."* Freeman Dyson [National Post, Canada, April 23, 2007, H/t A Different Perspective]

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**Number of the Week:** 38%

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**THIS WEEK:**

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

**Model Validation:** The past two TWTWs focused on major issues regarding the EPA's finding that greenhouse gases, carbon dioxide (CO2) in particular, endanger human health and welfare, -- the Endangerment Finding. These issues included the divergence between atmospheric measurements and surface measurements and the absence of the so-called "hot spot," which the EPA erroneously claimed was the distinct human fingerprint of global warming. This TWTW will address the failure of the UN Intergovernmental Panel for Climate Change (IPCC) to validate a global climate model. Future TWTWs will discuss other major issues such as measurement issues and explanations for so-called "missing heat," which may not be missing at all. All these issues are fundamental to the EPA's endangerment finding.

Probably the most persistent critic of the failure of the IPCC, and its supporters, the Climate Establishment, to validate a global climate model is Vincent Gray of The New Zealand Climate Science Coalition, who has been an expert reviewer of the scientific basis for all five IPCC Assessment Reports, from 1990 to 2013. In the process, he has submitted thousands of comments, and, according to reports, was influential having the IPCC change its terminology about the results of the global climate models, now calling the results "projections" rather "predictions." Gray's latest book and excerpts can be found in the links below.

On his web site, A Different Perspective, Tim Ball summarizes Gray's 2002 book: *The Greenhouse Delusion: A Critique of "Climate Change 2001*. Ball writes:

*"We now know that the 2001 Report included the hockey stick and Phil Jones global temperature record, two items of evidence essential to the claim of human causes of global warming. In the summary of that book he [Gray] notes,*

- *There are huge uncertainties in the model outputs which are recognized and unmeasured. They are so large that adjustment of model parameters can give model results which fit almost any climate, including one with no warming, and one that cools.*
- *No model has ever successfully predicted any future climate sequence. Despite this, future "projections" for as far ahead as several hundred years have been presented by the IPCC as plausible future trends, based on largely distorted "storylines", combined with untested models.*

- *The IPCC have provided a wealth of scientific information on the climate, but have not established a case that increases in carbon dioxide are causing any harmful effects.*

*“On page 58 of the book, he identifies what is one of the most serious limitations of the computer models.*

*“No computer model has ever been validated. An early draft of Climate Change 95 had a Chapter titled “Climate Models – Validation. [A]s a response to my comment that no model has ever been validated, they changed the title to “Climate Model – Evaluation” and changed the word “validation” in the text to “evaluation” no less than describing what might need to be done in order to validate a model. Without a successful validation procedure, no model should be considered to be capable of providing a plausible prediction of future behaviour of the climate.”*

In short, the projections (predictions) of climate models are interesting human artifacts, but with no logical validity. As Ball discusses, such validity will require extensive testing, a task largely ignored. SEPP adds that validation would require extensive testing of the assumptions in the models and what Freeman Dyson calls “fudge factors” (quote of the week). Such criticisms of the IPCC’s work were available prior to the EPA’s 2009 endangerment finding – a finding which failed to address these deficiencies. See links under Challenging the Orthodoxy.

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**A Shift in Political Winds?** Writing in the Congressional influential Capitol Hill newspaper, *The Hill*, Representative Lamar Smith from Texas articulates seven reasons why the Administration’s interpretation about climate change and its energy plans to address climate change cannot be accepted at face value. He concludes with:

*“The EPA and other government agencies too often fail to present all the facts. Their agenda comes first, accuracy comes second. Climate change has many explanations — and unanswered questions. The American people need good science, not science fiction promoted by alarmists.”*

No doubt Representative Smith will become a target for the Administration and its supporters from groups that favor raising the costs of energy in the name of environmentalism. It will be interesting to observe how this opposition takes shape. See link under Challenging the Orthodoxy.

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**Sink Re-emerges?** After the Fourth IPCC Assessment Report (2007), several researchers claimed that the carbon dioxide absorption of the southern ocean (including the Antarctic Ocean) was declining. However, new research suggests that such a trend stopped around 2002, and the southern sections of all three major oceans (Pacific, Atlantic, and Indian) are absorbing CO<sub>2</sub>, as before, but at different rates. The abstract concludes: “The large decadal variations in the Southern Ocean carbon sink suggest a rather dynamic ocean carbon cycle that varies more in time than previously recognized.” In short, do not assume short-term variation is a long-term trend, especially in climate studies. See links under Changing Seas.

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**AMO:** Along the lines of changing perceived trends, Climate Etc. and WUWT present a discussion on the Atlantic Multidecadal Oscillation (AMO), 60 to 70-year periods of warming and cooling of the sea surface in the Northern Atlantic, for which there is no universally agreed upon single measurement. It may be a bit early to definitively tell, but the AMO may have shifted to a cooling phase. If so, then, as hurricane experts Klotzbach, Gray, and Fogarty state, historic records indicate that, for the near future, Atlantic hurricane frequency and intensity will decline, as compared to the early part of the 21<sup>st</sup> century. Thus, the administration’s claims of severe

weather events from carbon dioxide caused-global warming may be hollow for the US Atlantic region. See links under Changing Weather.

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**Other Weather Events:** The Blob is an area of warmer than usual water, at and near the surface, in the Pacific Ocean off the US Pacific northwest and southwest Canada. No one has been able to identify a cause, or a similar event in the sea records in the same area going back about 100 years. The Blob is causing warming on land near its location and disrupting local and regional weather patterns. As David Whitehouse points out, the Blob can only be identified as an unusual weather pattern, not a climate pattern, unless it persists for a number of years. Meteorologist Cliff Mass of Washington State has an amusing post on an imaginative battle between the Blob and a monster El Niño. A number of groups have predicted such an El Niño, but it has not yet clearly materialized. As in 1998, such an El Niño would cause a warming spike in both surface and atmospheric temperatures; but, not necessarily indicated global warming. See links under Changing Weather.

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**Capacity:** The US Energy Information Agency (EIA) released a report on electric generation from various sources (2008-2012 average) for various countries and regions. For the US, nuclear production was 90% of capacity, fossil fuels was 41% of capacity; hydropower was 40%; and solar and wind was 27%. Fossil fuels are often used for standby and shoulder generation as well as baseload. In general, in the US, petroleum is used for back-up. A more detailed analysis shows that solar generates an average of 15% of capacity and wind generates an average of 27% of capacity.

Promoters of wind and solar often omit such details. Yet, wind and solar usually receive first preference for distribution (use). Thus, when a wind promoter states that his project will generate enough electricity for 100 homes, he is actually saying that, on average, his project will generate enough electricity for 100 homes – 27% of the time! The source and cost of the back-up are immaterial to the promoter. See link under Energy Issues – US.

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**Number of the Week: 38%.** A recent US Government Accountability Office (GAO) report states: “The thermoelectric power industry, for example, accounted for 38 percent of all freshwater withdrawals in the United States in 2010.” The dependence on fresh water for cooling by nuclear, coal, and gas power plants explains why the environmental industry bitterly opposes this use, even though the environmental industry have failed to demonstrate any pollution of the water. Raising the temperature by a minor amount is not pollution in any traditional sense. See link under Energy Issues – US.

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**ARTICLES:**

Please note that articles not linked easily or summarized here are reproduced in the Articles Section of the full TWTW that can be found on the web site under the date of the TWTW.

**1. California’s Climate Change Revolt**

Democrats reject green schemes that raise energy costs for the non-rich.  
Editorial, WSJ, Sep 11, 2015

<http://www.wsj.com/articles/californias-climate-change-revolt-1442014369>

SUMMARY: According to the editorial: “The environmental lobby has tried to turn climate change into a social justice issue even though its anticarbon policies disproportionately harm the

poor. Honest Democrats are starting to admit this, as we saw in this week's stunning revolt in the California legislature."

Governor Jerry Brown "hailed California as a model of green virtue at the Vatican this summer and had hoped to flaunt sweeping new anticarbon regulations at the U.N's climate-change summit in Paris this year.

*"But now his party has mutinied. Democrats hold near supermajorities in both legislative chambers with 52 of 80 seats in the Assembly. Yet this week 21 Democratic Assembly members representing middle- and low-income communities—including 11 blacks and Latinos—joined Republicans to kill a bill mandating a cut in state greenhouse gas emissions to 80% below 1990 levels by 2050.*

*"Democrats also forced Mr. Brown to scrap a measure that would have given the California Air Resources Board plenary authority to reduce statewide oil consumption in vehicles by half by 2030. Imagine the EPA without the accountability. 'One of the implications probably would have been higher gas prices,' noted Democratic Assemblyman Jim Cooper. 'Who does it impact the most? The middle class and low-income folks.'*

*"The most morally destructive product in California these days is green government. Take the 33% renewable electricity mandate. Since 2011 solar energy has increased more than 10-fold while wind has nearly doubled. But during this period electricity rates have jumped 2.18 cents per kilowatt hour—four times the national average. Inland residents and energy-intensive businesses have been walloped the most.*

*"California's cap-and-trade program has also hurt manufacturers, power plants and oil refiners, which are required to purchase permits to emit carbon. Between 2011 and 2014, California's manufacturing employment increased by 2% compared to 6% nationwide, according to the federal Bureau of Labor Statistics.*

*"The chief beneficiaries of the Golden State's green government have been the well-to-do, while low- and middle-income Californians have borne most of the regulatory costs. The Bay Area and Los Angeles regions account for 80% of the state's electric car rebates compared to the San Joaquin Valley's 2%.*

*"Meantime, while job growth in the Bay Area is booming, unemployment remains high in the rest of the state. The unemployment rate is 3.8% in San Francisco and 2.9% in Palo Alto. It's 10.4% in Fresno, 8.8% in San Bernardino and 9.6% in the refining hub of Carson—nearly four percentage points higher than in December 2007.*

*"After this week's defeat, Mr. Brown vowed to use regulation to end-run the legislature. 'We don't have a declaration in statute, but we have absolutely the same authority,' he declared. President Obama has taught him well. 'We're going forward. The only thing different is my zeal has been intensified to a maximum degree.' Vengeance is his, and the Governor will make hard-up Californians pay for their sins of emission."*

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## **2. Congress Can Sue Obama**

A D.C. judge rules in favor of the House in a separation of powers case.  
Editorial, WSJ, Sep 9, 2015

<http://www.wsj.com/articles/congress-can-sue-obama-1441839753>

SUMMARY: The litigation concerns ObamaCare, which is not a topic of TWTW, but the results may be. The House Republicans sued President Obama for rewriting regulations without proper legislative authority. The Administration sought to dismiss the case on the grounds it was a classic political debate. But, the judge ruled: “When the appropriations process is itself circumvented, Congress finds itself deprived of its constitutional role.”

*“This has implications well beyond ObamaCare. More than any President in decades or longer, Mr. Obama has sought to rewrite legislation that guts Congress’s Article I spending power under the Constitution. If Judge Collyer rules for the House on the merits, expect the case to go all the way to the Supreme Court in what could be a historic ruling on the separation of powers.”*

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**NEWS YOU CAN USE:**

***Commentary: Is the Sun Rising?***

**Major Implications! Study Shows Climate Dominance By The 200-Year Solar Cycle ...Cooling 21st Century!**

By P Gosselin, No Tricks Zone, Sep 6, 2015

<http://notrickszone.com/2015/09/06/huge-implications-study-shows-climate-dominance-of-200-year-solar-cycle-cooling-21st-century/#sthash.KVb4Z9G9.dpbs>

[SEPP Comment: Much needs to be worked out.]

***Challenging the Orthodoxy***

**Fighting climate ‘fluff’**

By Lawrence Solomon, National Post (Canada), Apr 23, 2007

<http://www.canada.com/nationalpost/news/story.html?id=985641c9-8594-43c2-802d-947d65555e8e>

**The Global Warming Scam and the Climate Change Superscam**

By Vincent Gray, The New Zealand Climate Science Coalition, Jun 26, 2015

[http://nzclimatescience.net/index.php?option=com\\_content&task=view&id=1205&Itemid=1](http://nzclimatescience.net/index.php?option=com_content&task=view&id=1205&Itemid=1)

Jun 5, 2015

<http://globalwarmingscamandccsuperscam.blogspot.com.au/>

**Validation Of A Climate Model Is Mandatory: The Invaluable work of Dr. Vincent Gray.**

By Tim Ball, A Different Perspective, Aug 27, 2015

<http://drtimball.com/2015/validation-of-a-climate-model-is-mandatory-the-invaluable-work-of-dr-vincent-gray/>

**Climate change: Seven indisputable facts**

By Rep. Lamar Smith, The Hill, Sep 8, 2015

<http://thehill.com/opinion/op-ed/252989-climate-change-seven-indisputable-facts>

**Are the recent hot days a sign of global warming or just weather?**

By Joseph D’Aleo, CCM, AMS Fellow, ICECAP, Sep 11, 2015

<http://icecap.us/index.php/go/joes->

[blog/is-the-recent-hot-days-a-sign-of-global-warming-or-just-weather2/](http://icecap.us/index.php/go/joes-blog/is-the-recent-hot-days-a-sign-of-global-warming-or-just-weather2/)

## **The Pause is driving down the long-term warming trend**

Guest essay by Christopher Monckton, WUWT, Sep 8, 2015

<http://wattsupwiththat.com/2015/09/08/the-pause-is-driving-down-the-long-term-warming-trend/>

## ***Defending the Orthodoxy***

### **Eye roller study: Should countries honor their climate debts?**

By Anthony Watts, WUWT, Sep 8, 2015

<http://wattsupwiththat.com/2015/09/08/eye-roller-study-should-countries-honor-their-climate-debts/>

Link to paper: Quantifying historical carbon and climate debts among nations

By H. Damon Matthews, Nature Climate Change, Sep 7, 2015

<http://www.nature.com/nclimate/journal/vaop/ncurrent/full/nclimate2774.html>

*[SEPP Comment: And what are the climate debts – taking the world out of the last ice age, if CO2 is the driver? The paper starts with 1900, avoiding the cold.]*

## ***Questioning the Orthodoxy***

### **Spiegel Slams Sorrowful State Of Climate Science Communication! “Reports Hardly Trustworthy” ...”Arrogant Scientists”**

By P Gosselin, No Tricks Zone, Sep 9, 2015

<http://notrickszone.com/2015/09/09/spiegel-slams-sorrowful-state-of-climate-science-communication-reports-hardly-trustworthy-arrogant-scientists/#sthash.3JH6FJD3.dpbs>

### **Shrill Alarmism Backfires...Squandered Credibility, Potsdam Institute Scientist Wonders Why No One Heeds Daily Climate Alarms**

Stefan Rahmstorf's Nightmare

By Dr. Sebastian Lüning and Prof. Fritz Vahrenholt, No Tricks Zone, Sep 11, 2015

<http://notrickszone.com/2015/09/11/shrill-alarmism-backfires-squandered-credibility-potsdam-institute-scientist-wonders-why-nobody-heeds-daily-climate-alarms/#sthash.V09omDhB.dpbs>

## ***On to Paris!***

### **Comment: climate change and the madness of crowds**

By Staff Writers, Climate Change Predictions.org, Sep 10, 2015

<http://climatechangepredictions.org/uncategorized/4240>

*[SEPP Comment: Proposing ‘Extraordinary Popular Delusions and the Madness of Crowds’ be required reading for those attending COP-21 in Paris.]*

### **The Fantasy World of UN Climate Negotiations**

By Alan Carlin, Carlin Economics and Science, Sep 10, 2015

<http://www.carlineconomics.com/archives/2141>

### **Climate talks are stuck in the slow lane to Paris**

By Henner Weithöner, Climate News Network, Sep 7, 2015 [H/t GWPF]

<http://www.climate-news-network.net/climate-talks-are-stuck-in-the-slow-lane-to-paris/>

### **Headlines contradictory. Pressure intense. Meetings in Bonn, NY, Lima. It's Paris Paris Paris**

By Jo Nova, Her Blog, Sep 6, 2015

<http://joannenova.com.au/2015/09/headlines-contradictory-pressure-intense-meetings-in-bonn-ny-lima-its-paris-paris-paris/#more-44380>

### ***The Administration's Plan – Push-Back***

#### **EPA's crumbling case for new regs on fracking**

By Katie Brown, The Hill, Sep 9, 2015

<http://thehill.com/blogs/congress-blog/energy-environment/252959-epas-crumbling-case-for-new-regs-on-fracking#.VfCUFrhB5RM.twitter>

#### **A clear power grab on climate**

By David Kreutzer, Merced Sun-Star, (California) Sep 8, 2015

<http://www.mercedsunstar.com/news/local/environment/article34329969.html>

#### **Glacier, bay, glacier, bay, glacier, Glacier Bay**

By Ned Rosell, Sit News, Ketchikan Alaska, Mar 11, 2015 [H/t Dennis Ambler]

[http://www.sitnews.us/0306news/031106/031106\\_ak\\_science.html](http://www.sitnews.us/0306news/031106/031106_ak_science.html)

#### **Obama's Climate Alarmism Tour (contradictory data + tuned-out public = failure)**

By James Rust, Master Resource, Sep 8, 2015

[https://www.masterresource.org/obama-energy-policy/obama-climate-alarmism-tour/?utm\\_source=twitterfeed&utm\\_medium=twitter](https://www.masterresource.org/obama-energy-policy/obama-climate-alarmism-tour/?utm_source=twitterfeed&utm_medium=twitter)

#### **Who's Afraid of the EPA?**

By Staff Writers, NCPA, Sep 8, 2015

[http://www.ncpa.org/sub/dpd/index.php?Article\\_ID=26038&utm\\_source=newsletter&utm\\_medium=email&utm\\_campaign=DPD](http://www.ncpa.org/sub/dpd/index.php?Article_ID=26038&utm_source=newsletter&utm_medium=email&utm_campaign=DPD)

Link to report: "EPA's Clean Power Plan Overreach"

By William Yeatman, CEI, Jul 28, 2015

<https://cei.org/sites/default/files/William%20Yeatman%20-%20EPA's%20Clean%20Power%20Plan%20Overreach.pdf>

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

#### **New strategy to boost flagging climate talks**

By Staff Writers, AFP, Sep 5, 2015 [H/t Toshio Fujita]

[http://www.business-standard.com/article/pti-stories/new-strategy-to-boost-flagging-climate-talks-115090500033\\_1.html](http://www.business-standard.com/article/pti-stories/new-strategy-to-boost-flagging-climate-talks-115090500033_1.html)

#### **US Envoy to Visit India, China for Climate Talks Next Week**

By Staff Writers, Press Trust of India, Sep 5, 2015 [H/t GWPF]

<http://www.ndtv.com/india-news/us-envoy-to-visit-india-china-for-climate-talks-next-week-1214515>

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

#### **Managing uncertainty in predictions of climate change and impacts**

By Judith Curry, Climate Etc. Sep 7, 2015

<http://judithcurry.com/2015/09/07/managing-uncertainty-in-predictions-of-climate-change-and-impacts/>

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

#### **Ocean Acidification (Effects on Marine Animals: Echinoderms) – Summary**

By Staff Writers, CO2 Science, Sep 9, 2015

<http://www.co2science.org/subject/o/summaries/acidechinoderms.php>

“In summation, with the passage of time, more and more evidence is accumulating that suggests the impacts of ocean acidification on echinoderms may not be as bad as many initially thought. Indeed, for many echinoderm species, the impacts will likely be minimal, if not altogether positive.”

### **Changes in Daily Extreme Temperatures on China's Loess Plateau during 1960-2013**

By Yan, G., Qi, F., Wei, L., Aigang, L., Yu, W., Jing, Y., Aifang, C., Yamin, W., Yubo, S., Li, L. and Qianqian, M. *Quaternary International*, Sep 9, 2015

<http://www.co2science.org/articles/V18/sep/a7.php>

“The great significance of these findings is highlighted by the fact that (1) Ma *et al.* (2015) have recently demonstrated that typically-experienced extreme *cold* throughout China is much more deadly than is typically-experienced extreme *heat*, and that (2) Gasparrini *et al.* (2015) have shown the same to be true for literally *hundreds* of locations throughout *the entire world*.”

### **Problems Associated with Modelling South Asian Monsoon Rainfall**

Sabeerali, C.T., Rao, S.A., Dhakate, A.R., Salunke, K. and Goswami, B.N. 2015. Why ensemble mean projection of south Asian monsoon rainfall by CMIP5 models is not reliable? *Climate Dynamics* 45: 161-174. Sep 8, 2015

<http://www.co2science.org/articles/V18/sep/a6.php>

### **The Equatorially-Asymmetric Mode of the Hadley Circulation**

Feng, J., Li, J., Zhu, J., Li, F. and Sun, C. 2015. Simulation of the equatorially asymmetric mode of the Hadley Circulation in CMIP5 models. *Advances in Atmospheric Sciences* 32: 1129-1142. Sep 4, 2015

<http://www.co2science.org/articles/V18/sep/a4.php>

The five Chinese scientists report that: "none of the models can successfully capture the differences in the warming rate between the tropical Southern Hemisphere (SH) and Northern Hemisphere (NH) ..."

### ***Models v. Observations***

#### **Validation Of A Climate Model Is Mandatory: The Invaluable work of Dr. Vincent Gray.**

By Dr. Tim Ball, A Different Perspective, August 27, 2015

<http://drtimball.com/2015/validation-of-a-climate-model-is-mandatory-the-invaluable-work-of-dr-vincent-gray/>

### ***Changing Weather***

#### **The Pacific “Blob” and the Pause**

By David Whitehouse, GWPF, Sep 6, 2015

<http://www.thegwpf.com/the-pacific-blob-and-the-pause/>

#### **Godzilla El Nino Versus The BLOB: Who Will Win?**

By Cliff Mass, Weather Blog, Sep 2, 2015

<http://cliffmass.blogspot.com/2015/09/godzilla-el-nino-versus-blob-who-will.html>

#### **Has the AMO flipped to the cool phase?**

By Judith Curry, Climate Etc. Sep 11, 2015

<http://judithcurry.com/2015/09/11/has-the-amo-flipped-to-the-cool-phase/#more-19890>



## **Klotzbach and Gray say hurricane trend fizzling; Meanwhile Fred is fading**

By Anthony Watts, WUWT, Sep 8, 2015

<http://wattsupwiththat.com/2015/09/08/klotzbach-and-gray-says-hurricane-trend-fizzling-while-fred-is-fading/>

Link to paper: Active Atlantic hurricane era at its end?

By P. Klotzbach, W. Gray, & C. Fogarty, Letter to Editor, Nature Geoscience, Sep 7, 2015

<http://www.nature.com/ngeo/journal/vaop/ncurrent/full/ngeo2529.html>

## **El Niño of the 21st century so far: a warm 2016?**

By Luboš Motl, The Reference Frame, Sep 8, 2015

<http://motls.blogspot.com/2015/09/el-nino-of-21st-century-so-far-warm-2016.html#more>

## **Is Britain experiencing extreme weather? Yes. Extremely mild...**

The Met Office is offering us the chance to name storms. But our climate is not as dramatic as we think

By Michael Hanlon, Telegraph, UK, Sep 8, 2015

<http://www.telegraph.co.uk/news/weather/11852073/Is-Britain-experiencing-extreme-weather-Yes.-Extremely-mild....html>

## ***Changing Seas***

### **Weak sink sunk**

By Andrew Montford, Bishop Hill, Sep 11, 2015

<http://bishophill.squarespace.com/blog/2015/9/11/weak-sink-sunk.html>

Link to paper: The reinvigoration of the Southern Ocean carbon sink

By Landschützer, et al, Science, Sep 11, 2015

<http://www.sciencemag.org/content/349/6253/1221>

## **Southern Ocean ‘Sink’ Turns the Tide on Climate Alarm**

By Graham Lloyd, The Australian, Sep 11, 2015

<http://www.thegwpf.com/27590/>

“No one knows why the Southern Oceans are doing this, and no one can say what will happen next. It seems the Southern Ocean, along with a little bit of help from the sun, means that future climate projections, especially decadal ones, have become far more uncertain.

## **Southern Ocean back in business as a carbon sink (models were wrong)**

By Jo Nova, Her Blog, Sep 12, 2015

<http://joannenova.com.au/2015/09/southern-ocean-back-in-business-as-a-carbon-sink-models-were-wrong/#more-44537>

## **Study reverses climate science position that the ‘Southern Ocean carbon dioxide sink was weakening’**

By Anthony Watts, WUWT, Sep 10, 2015

<http://wattsupwiththat.com/2015/09/10/study-reverses-climate-science-position-that-the-southern-ocean-carbon-dioxide-sink-was-weakening/>

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

### **New studies promote Arctic cooling fears**

By Eric Worrall, WUWT, Sep 8, 2015

<http://wattsupwiththat.com/2015/09/08/new-studies-promote-arctic-cooling-fears/>

Link to papers: Response of Atlantic overturning to future warming in a coupled atmosphere-ocean-ice sheet model

By Glirz, Lohmann, and Wei, Geophysical Research Letters, Aug 31, 2015

<http://onlinelibrary.wiley.com/doi/10.1002/2015GL065276/abstract>

Gradual onset and recovery of the Younger Dryas abrupt climate event in the tropics

By Partin, et al. Nature Communications, Sep 2, 2015

<http://www.nature.com/ncomms/2015/150902/ncomms9061/full/ncomms9061.html>

### **[Arctic] Death spiral stops**

By Andrew Montford, Bishop Hill, Sep 11, 2015

<http://bishophill.squarespace.com/blog/2015/9/11/death-spiral-stops.html>

### **Mendenhall Glacier's Retreat and Obama**

By Donn Dears, Power For USA, Sep 11, 2015

<https://dddusmma.wordpress.com/2015/09/11/mendenhall-glaciers-retreat-and-obama/>

### **Study: Polar bears may survive ice melt, with or without seals**

By Anthony Watts, WUWT, Sep 7, 2015

<http://wattsupwiththat.com/2015/09/07/study-polar-bears-may-survive-ice-melt-with-or-without-seals/>

*[SEPP Comment: The bears survived before, such as during the last interglacial!]*

### ***Changing Earth***

#### **CT scan of Earth links deep mantle plumes with volcanic hotspots**

Scans prove that plumes of hot rock anchored at core-mantle boundary rise to form island chains

By Staff Writers, Science Daily, Sep 2, 2015

<http://www.sciencedaily.com/releases/2015/09/150902134939.htm>

Link to paper: Broad plumes rooted at the base of the Earth's mantle beneath major hotspots

By Frency & Romanowicz, Nature, Sep 2, 2015

<http://www.nature.com/nature/journal/v525/n7567/full/nature14876.html>

### ***Acidic Waters***

#### **Dr. Christopher Cornwall Responds to "Ocean Acidification: Trying to Get the Science Right"**

Guest Essay by Kip Hansen, WUWT, Sep 9, 2015

<http://wattsupwiththat.com/2015/09/09/dr-christopher-cornwall-responds-to-ocean-acidification-trying-to-get-the-science-right/>

### ***Un-Science or Non-Science?***

#### **Claim: Climate change could leave Pacific Northwest amphibians high and dry**

By Anthony Watts: WUWT, Sep 7, 2015

<http://wattsupwiththat.com/2015/09/07/claim-climate-change-could-leave-pacific-northwest-amphibians-high-and-dry/>

#### **New studies deepen concerns about a climate-change 'wild card'**

By Joby Warrick, Washington Post, Sep 7, 2015

<http://www.washingtonpost.com/news/energy-environment/wp/2015/09/07/new-studies-deepen-concerns-about-a-climate-change-wild-card/>

### ***Lowering Standards***

#### **Exclusive: Search Page for Realist Side of the Climate Change Debate**

Guest essay by Ari Halperin, WUWT, Sep 9, 2015

<http://wattsupwiththat.com/2015/09/09/exclusive-search-page-for-realist-side-of-the-climate-change-debate-2/>

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

#### **Seattle Times Glacier Disaster**

By Cliff Mass Weather Blog, Sep 8, 2015

<http://cliffmass.blogspot.com/2015/09/seattle-times-glacier-disaster.html>

[SEPP Comment: Amusing comments on an over-the-top story.]

#### **Climate scientists undermine their own science by avoiding the best case scenario**

By Allison Schrager, Quartz, Sep 10, 2015 [H/t Clyde Spencer]

[http://qz.com/491748/climate-change-and-uncertainty/?utm\\_source=YPL](http://qz.com/491748/climate-change-and-uncertainty/?utm_source=YPL)

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

#### **Demography does not explain the migration crisis**

It's about violence and religious extremism, not population pressure

By Matt Ridley, Rational Optimist, Sep 6, 2015

<http://www.rationaloptimist.com/blog/demography-does-not-explain-the-migration-crisis.aspx>

#### **Failure to act on climate change means an even bigger refugee crisis**

Global warming does not cause the conflicts that have caused mass movement of people, but it would be wrong to say it does not contribute

By Graig Bennett, Guardian, UK, Sep 7, 2015 [H/t Timothy Wise]

<http://www.theguardian.com/environment/2015/sep/07/climate-change-global-warming-refugee-crisis>

“But if the government continues to move backwards on climate change, then we should get ready for a much bigger refugee crisis before very long.”

[SEPP Comment: The author claims to know the causes and that governments can alleviate them.]

#### **Minor drying in Iran causes farmers to flee Syria [??]**

By Andrew Montford, Bishop Hill, Sep 8, 2015

<http://bishophill.squarespace.com/blog/2015/9/8/minor-drying-in-iran-causes-farmers-to-flee-syria.html>

#### **More Syria shamefulness**

By Andrew Montford, Bishop Hill, Sep 7, 2015

<http://bishophill.squarespace.com/blog/2015/9/7/more-syria-shamefulness.html>

#### **NASA – global Warming Threatens Space Agency Here on Earth**

By Scott Falkner, Inquisitr, Sep 6, 2015

<http://www.inquisitr.com/2397453/nasa-global-warming-threatens-space-agency-here-on-earth/#B8lGbfA4oxDqbWa3.99>

**The new poster child for ‘correlation is not causation’: industrial revolution ended 1800 years of volcanic induced cooling**

By Anthony Watts, WUWT, Sep 9, 2015

<http://wattsupwiththat.com/2015/09/09/the-new-poster-child-for-correlation-is-not-causation-industrial-revolution-ended-1800-years-of-volcanic-induced-cooling/>

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

#### **Oxfam running climate propaganda into classrooms**

By Jo Nova, Her Blog, Sep 8, 2015

<http://joannenova.com.au/2015/09/oxfam-running-climate-propaganda-into-classrooms/#more-44327>

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

#### **Bavaria says Germany must curb renewable energy costs**

By Vera Eckert, Reuters, Sep 8, 2015 [H/t GWPF]

<http://uk.reuters.com/article/2015/09/08/bavaria-energy-idUKL5N11A3G220150908>

#### **EU Renewable Energy Targets: The Compliance Statistics are Suspect**

By Roger Andrews, Energy Matters, Sep 4, 2015

<http://euanmearns.com/eu-renewable-energy-targets-the-compliance-statistics-are-suspect/>

### ***Funding Issues***

#### **UN climate change body suffers mammoth European carbon fraud**

By George Russell, Fox News, Sep 8, 2015 [H/t GWPF]

<http://www.foxnews.com/world/2015/09/08/un-climate-change-body-suffers-mammoth-european-carbon-fraud/>

[SEPP Comment: The Stockholm Environment Institute paper linked in the August 29 TWTW.]

Link to paper: Has Joint Implementation reduced GHG Emissions? Lessons learned from the design of carbon market mechanisms

By Anja Kollmuss and Lambert Schneider Stockholm Environment Institute, 2015

<http://www.sei-international.org/publications?pid=2803>

#### **Grant money panic! Murdoch buys the National Geographic**

Guest essay by Eric Worrall, WUWT, Sep 9, 2015

<http://wattsupwiththat.com/2015/09/09/grant-money-panic-murdoch-buys-the-national-geographic/>

### ***Litigation Issues***

#### **The Urgenda ruling in the Netherlands**

By Lukas Bergkamp, Climate Etc. Sep 9, 2015

<http://judithcurry.com/2015/09/09/the-urgenda-ruling-in-the-netherlands/>

[SEPP Comment: Lengthy explanation of the ruling by a Dutch Court that the government needs to do more to reduce CO2 emissions.]

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

#### **Wind power growth faces sharp decline without federal aid, report says**

By Jordan Blum, Fuel Fix, Sep 9, 2015

<http://fuelfix.com/blog/2015/09/09/wind-power-growth-faces-sharp-decline-without-federal-aid-report->

[says/?mkt\\_tok=3RkMMJWWfF9wsRojvaTIdO%2FhmjTEU5z16OUuWqCylMI%2F0ER3fOvrPUfGjI4CRcZrMq%2BTFAwTG5toziV8R7DNLMI1wy8YQWhPh](http://fuelfix.com/blog/2015/09/09/wind-power-growth-faces-sharp-decline-without-federal-aid-report-says/?mkt_tok=3RkMMJWWfF9wsRojvaTIdO%2FhmjTEU5z16OUuWqCylMI%2F0ER3fOvrPUfGjI4CRcZrMq%2BTFAwTG5toziV8R7DNLMI1wy8YQWhPh)

“Why should American taxpayers continue to fund dysfunctional wind energy, when even the U.S. EPA air chief, Janet McCabe admits that the EPA’s analysis shows that ‘wind power can expand throughout the Clean Power Plan compliance period, from 2022 to 2030, even if the tax credit is not renewed’? “– Mary Kay Barton in comments section.

### ***EPA and other Regulators on the March***

#### **Coal exec: Stream rule is industry’s biggest threat**

By Timothy Cama, The Hill, Sep 11, 2015

<http://thehill.com/policy/energy-environment/253401-coal-exec-stream-rule-is-industrys-biggest-threat>

#### **CO mine owner: EPA lied in congressional hearing**

By Tori Richards, Colorado Watchdog.org, Sep 9, 2015 [H/t Clyde Spencer]

<http://watchdog.org/237424/epa-hearing/>

#### **EPA: Do as We Say, Not as We Do!**

By John Hinderaker, Power Line, Sep 9, 2015

<http://www.powerlineblog.com/archives/2015/09/epa-do-as-we-say-not-as-we-do.php>

### ***Energy Issues – Non-US***

#### **Aguilera & Radetzki: Climate Policy With Low Oil Prices**

By Roberto F. Aguilera and Marian Radetzki, GWPF, Sep 10, 2015

<http://www.thegwpf.com/aguilera-radetzki-climate-policy-with-low-oil-prices/>

#### **Russian Energy Boss Declares OPEC’s ‘Golden Age’ Over**

By David Sheppard, Financial Times, Via GWPF, Sep 7, 2015

<http://www.thegwpf.com/russian-energy-boss-declares-opecs-golden-age-over/>

#### **Revealed: The Next Energy 'Revolution'**

While the last decade was about the energy buried in the earth and how to get it out, the next decade will be about how energy already removed from the earth is moved across it.

By John Richard Cookson, National Interest, Sep 4, 2015 [H/t GWPF]

<http://www.nationalinterest.org/feature/revealed-the-next-energy-revolution-13775>

“Recent research has pointed not to an imminent revolution in renewable energy, but rather to its limitations. Solar and wind power combined produce less electricity than what is generated from hydroelectric power alone. All renewables are dwarfed in their contribution to total U.S. energy by oil, gas and coal.”

#### **North Sea Oil Areas At ‘Serious Risk’ of Shutdown**

By Kiran Stacey, Financial Times, Sep 7, 2015

<http://www.thegwpf.com/north-sea-oil-areas-at-serious-risk-of-shutdown/>

#### **For Russia, Oil Collapse Has Soviet Echoes**

By Greg Ip, WSJ, Via GWPF, Sep 8, 2015

<http://www.thegwpf.com/for-russia-oil-collapse-has-soviet-echoes/>

#### **Electricity network in 'uncharted territory' as blackouts loom**

As Britain loses one more power station, experts argue the grid has been left too exposed

By Andrew Critchlow, Telegraph, UK, Sep 5, 2015

<http://www.telegraph.co.uk/finance/newsbysector/utilities/11844750/Electricity-network-in-uncharted-territory-as-blackouts-loom.html>

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

#### **Electric generator capacity factors vary widely across the world**

By Staff Writers, EIA, Sep 8, 2015

<http://www.eia.gov/todayinenergy/detail.cfm?id=22832>

#### **Water in the energy sector: Reducing freshwater use in hydraulic fracturing and thermoelectric power plant cooling**

By Staff Writers GAO, Aug 7, 2015 [H/t Timothy Wise]

<http://www.gao.gov/products/GAO-15-545>

“The thermoelectric power industry, for example, accounted for 38 percent of all freshwater withdrawals in the United States in 2010.”

#### **The Clean Power Plan and Supporting Coal, Oil, and Natural Gas**

By Jude Clemente, Forbes, Sep 6, 2015

<http://www.forbes.com/sites/judeclemente/2015/09/06/the-clean-power-plan-and-supporting-coal-oil-and-natural-gas/>

“Despite a relentless quest started by Alessandro Volta in the late-1700s, we still have no way to store electricity large-scale, and despite tens of billions of dollars in support and claims since the 1970s that our renewable energy world is “right around the corner,” wind and solar today supply just 2% of our energy and 6% of our electricity.”

#### **Enron’s Export-Import Bank (‘Smartest guys in the room’ at work)**

By Robert Bradley Jr, Master Resource, Sep 9, 2015

<https://www.masterresource.org/export-import-bank/enron-exim-opic/>

### ***Washington’s Control of Energy***

#### **Oil industry braces for Obama’s final climate push**

By Devin Henry, The Hill, Sep 5, 2015

<http://thehill.com/policy/energy-environment/252820-oil-industry-braces-for-obamas-final-climate-push>

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

#### **Two Big Oil And Gas Finds In Unexpected Places**

By Dave Forest, Oil Price.com, Sep 7, 2015 [H/t Clyde Spencer]

<http://oilprice.com/Energy/Crude-Oil/Two-Big-Oil-And-Gas-Finds-In-Unexpected-Places.html>

#### **Cheap Oil: Uncompetitive Shale Companies Braced for Bankruptcies**

By Ed Crooks, Financial Times, Via GWPF, Sep 7, 2015

<http://www.thegwpf.com/cheap-oil-uncompetitive-shale-companies-braced-for-bankruptcies/>

*[SEPP Comment: Except where protected by government policies, uncompetitive companies in all industries eventually face bankruptcy.]*

### ***Return of King Coal?***

#### **Japan Utilities Burn Record Coal Amid Minister's Call for Cuts**

By Stephen Stapczynski, Bloomberg, Sep 11, 2015

<http://www.bloomberg.com/news/articles/2015-09-11/japan-utilities-burn-record-coal-amid-minister-s-call-for-cuts>

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

#### **World nuclear capacity set to grow by 45 percent by 2035**

By Nina Chestney, Reuters, Sep 10, 2015 [H/t Clyde Spencer]

<http://news.yahoo.com/world-nuclear-capacity-set-grow-45-percent-2035-100437497--finance.html>

[SEPP Comment: According to the World Nuclear Association, Nuclear Fuel forecast.]

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

#### **U.S. regulators' biofuels plan to cost at the pump: industry study**

By Chris Prentice, Reuters, Sep 9, 2015 [H/t Clyde Spencer]

<http://news.yahoo.com/u-regulators-biofuels-plan-cost-pump-industry-study-143458482.html>

Link to paper: Economic Impacts Resulting from Implementation of the RFS2 Program

By Bernstein, et al, NERA, for API, July 27, 2015

[http://www.api.org/~media/Files/Policy/Fuels-and-Renewables/NERA\\_FINAL\\_API\\_RFS2\\_July27.pdf](http://www.api.org/~media/Files/Policy/Fuels-and-Renewables/NERA_FINAL_API_RFS2_July27.pdf)

### ***California Dreaming***

#### **Second California climate proposal falters amid reluctance**

State senator announces abandoning proposal

By Staff Writers, KCRA, (CA), Sep 10, 2015 [H/t GWPF]

<http://www.kcra.com/news/second-california-climate-proposal-falters-amid-reluctance/35210712>

### ***Health, Energy, and Climate***

#### **Dirty farm air may ward off asthma in children**

By Jocelyn Kaiser, Science Mag, Sep 3, 2015 [H/t Toshio Fujita]

<http://news.sciencemag.org/europe/2015/09/dirty-farm-air-may-ward-asthma-children>

[SEPP Comment: A possible causal mechanism for asthma?]

#### **Health Scares At The Drop Of A Rat**

By Staff Writers, ACSH, Sep 8, 2015

<http://acsh.org/2015/09/health-scares-at-the-drop-of-a-rat/>

### ***Environmental Industry***

#### **EPA Official Disavows American Lung Association Air-Quality Claims**

By Karen Kerrigan, Center for Regulatory Solutions, Sep 11, 2015

<http://centerforregulatoryolutions.org/epa-official-disavows-american-lung-association-air-quality-claims/>

#### **Court overturns EPA's approval of bee-harming pesticide**

By Timothy Cama, The Hill, Sep 10, 2015

<http://thehill.com/policy/energy-environment/253301-court-overturns-epas-approval-of-bee-harming-pesticide>

#### **Greenpeace warns of ice age dangers**

By Andrew Montford, Bishop Hill, Sep 8, 2015

<http://www.bishop-hill.net/blog/2015/9/8/greenpeace-warns-of-ice-age-dangers.html>

***Other Scientific News***

**Ocean life triggers ice formation in clouds**

By Staff Writers, Science Daily, Sep 9, 2015 [H/t Clyde Spencer]

<http://www.sciencedaily.com/releases/2015/09/150909142022.htm>

Link to paper: A marine biogenic source of atmospheric ice-nucleating particles

By Wilson, et al, Nature, Letter, Sep 9, 2015

<http://www.nature.com/nature/journal/v525/n7568/full/nature14986.html>

**Many global warming studies may be wrong as carbon dating found to be highly unreliable for organic matter over 30,000 years old**

By Stephen Chen, South China Morning Post, Sep 9, 2015 [H/t GWPF]

<http://www.scmp.com/tech/science-research/article/1856329/many-global-warming-studies-may-be-wrong-carbon-dating-found>

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

**Cheer Up: the True Mother of Invention is Optimism**

By Luke Johnson, Sunday Times, Via GWPF, Sep 7, 2015

<http://www.thegwpf.com/cheer-up-the-true-mother-of-invention-is-optimism/>

**Teeny Tiny Guardians of Our Chips**

By Staff Writers, Washington DC (SPX), Sep 07, 2015

[http://www.spacedaily.com/reports/Teeny\\_Tiny\\_Guardians\\_of\\_Our\\_Chips\\_999.html](http://www.spacedaily.com/reports/Teeny_Tiny_Guardians_of_Our_Chips_999.html)

**Green sea turtles set nesting record in Florida**

By Brooks Hays, Orlando, Fla. (UPI), Sep 7, 2015

[http://www.terraily.com/reports/Green\\_sea\\_turtles\\_set\\_nesting\\_record\\_in\\_Florida\\_999.html](http://www.terraily.com/reports/Green_sea_turtles_set_nesting_record_in_Florida_999.html)

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**BELOW THE BOTTOM LINE:**

**Number of the Month**

The fourteenth annual Numby Awards

By John Brignell, Number Watch, December 2014

<http://www.numberwatch.co.uk/2014%20December.htm>

[SEPP Comment: *British humor.*]

**Claim: Climate change might cause robots to take over**

Guest essay by Eric Worrall, WUWT, Sep 10, 2015

<http://wattsupwiththat.com/2015/09/10/claim-climate-change-might-cause-robots-to-take-over/>

**Frankenvirus emerges from Siberia's frozen wasteland**

By Staff Writers, AFP, Sep 8, 2015 [H/t Clyde Spencer]

<http://news.yahoo.com/frankenvirus-emerges-siberias-frozen-wasteland-142859117.html>

[SEPP Comment: *“Scientists” planning the script of a “B” Grade Horror Film.*]

**Reviving extinct Mediterranean forests**

By Staff Writers, Washington DC (SPX) Sep 09, 2015

[http://www.terraily.com/reports/Reviving\\_extinct\\_Mediterranean\\_forests\\_999.html](http://www.terraily.com/reports/Reviving_extinct_Mediterranean_forests_999.html)

Link to paper: Reviving extinct Mediterranean forest communities may improve ecosystem potential in a warmer future



By Henne, et al, Frontiers in Ecology and the Environment, Sep 7, 2015

<http://www.esajournals.org/doi/10.1890/150027>

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