

Climate Science Newsletters 2011

Friends of Science Society

by: Albert Jacobs

CliSci #83 2011-12-31

Josh' cartoons 2011

<<http://www.cartoonsbyjosh.com/2011.html>>

The IPCC's "undue confidence" in its coupled climate models

Bob Tisdale summarises the series of his recent posts that compared observed Surface Temperature data to the simulations of the coupled ocean-atmosphere climate models used by the IPCC in their 4th Assessment Report (AR4).

<<http://wattsupwiththat.com/2011/12/27/on-the-ipccs-undue-confidence-in-coupled-ocean-atmosphere-climate-models-a-summary-of-recent-posts/>>

He is taking the Q&A of AR4 Chapter 8 (« Climate models and their evaluation ») as a lead.

The Methane bomb and the media

First the NSF makes this Press release

<http://www.nsf.gov/news/news_images.jsp?cntn_id=116532&org=NSF> ,

then the NYT blows up a methane bomb

<<http://thinkprogress.org/romm/2011/12/19/392242/carbon-time-bomb-in-arctic-new-york-times-print-edition-gets-the-story-right/>>

and even Andrew Revkin's re-examination, quoting researcher Ed Dlugokencky:
"Based on what we see in the atmosphere, there is no evidence of substantial

increases in methane emissions from the Arctic in the past 20 years. » can not prevent the hype from « going viral » around the world.

<<http://dotearth.blogs.nytimes.com/2011/12/14/methane-time-bomb-in-arctic-seas-apocalypse-not/>>

A biased BBC asks UEA for programming advice on AGW

The BBC's Roger Harrabin and Joe Smith (in e-mail 3757, released in ClimateGate 2) ask advice from warmist Mike Hulme of the University of East Anglia's CRU about how the BBC could help with AGW programming, in connection with the « Rio+10 » conference:

** What should the BBC be doing this time in terms of news, current affairs, drama, documentaries, game shows, music etc?*

** How can the BBC convey the theme of sustainable development to viewers and listeners who have probably seen all the issues raised before?*

** Is there any scope for a global broadcasting initiative?*

** What are the strongest themes and specific issues that should appear in the media in the months and years following the conference.*

Oceans, fisheries, temperatures and the sun

My attention was drawn the other day to this chart in a 2009 Icecap post

<<http://icecap.us/images/uploads/SYNCHRONOUS.png>>, which is part of Joe d'Aleo's note

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

on work by the Russians Klyashtorin and Lyubushin.

The Russians' book « Cyclic Climate Changes and Fish Productivity » can be downloaded in PDF from a Link in the second paragraph of the Icecap article.

Professor Klyashtorin gave an earlier presentation at a Rome FAO meeting, which can be found at

<<http://www.fao.org/DOCREP/005/Y2787E/y2787e00.htm>>

Don't let the fishy subject put you off. This is about climate predictability.

(h/t to Gary S)

Four Professors testify before the Canadian Senate Committee

The four submissions on December 15th to the Senate Committee by Drs. Clark, McKittrick, Veizer and Patterson) have been reformatted *with all the slides* by Tom Harris of ICSC. As Dr. Clark says of his presentation, it is his climate course packaged into ten minutes and for a lay audience. You are among the first to see it!

Ian Clark: <<http://www.youtube.com/watch?v=hDKSkBrI-TM>>

Ross McKittrick:

<<http://www.youtube.com/watch?v=AOuKfQFhiPw&feature=related>>

Tim Patterson:

<<http://www.youtube.com/watch?v=h24Dk30UJTQ&feature=related>>

The Jan Veizer video should be on the web early next week.

Our thanks go to Tom for this work of love.

afj~~~~~Happy New year to All~~~~~

ClSci #82 2011-12-21

Four sceptic Scientists testify before the Canadian Senate Committee.

The Senate Energy & Environment Committee Hearing with Drs. Ross McKittrick, Ian Clark, Jan Veizer and Tim Patterson took place on December 15th 2011. The video is now on YouTube at:

<http://www.youtube.com/watch?v=xW19pPFfIyg#t=65>

The COP 17 aftermath

The conclusions of COP 17 are found on

<http://unfccc.int/resource/docs/2011/eng/I04.pdf>

In the words of Kumi Naidoo, Greenpeace International Executive Director:

*"The grim news is that the blockers lead by the US have succeeded in inserting a **vital get-out clause** that could easily prevent the next big climate deal being legally binding. **If that loophole is exploited it could be a disaster.** And the deal is due to be implemented 'from 2020' leaving almost no room for increasing the depth of carbon cuts in this decade when scientists say we need emissions to peak,"*

"Right now the global climate regime amounts to nothing more than a voluntary deal that's put off for a decade. This could take us over the two degree threshold where we pass from danger to potential catastrophe."

And on December 12th:

<<http://news.nationalpost.com/2011/12/12/canada-formally-withdrawig-from-kyoto-protocol/>>

Canada put a full stop after Jean Chrétien's folly.

We do not quote *DeSmogBlog* very often, but they seem to have blown their top:

" Canada's decision to turn its back on its international obligations confirms yet again that Stephen Harper and his carbon cronies are securing a hellish future for generations to come. Canada's 'leaders' are brashly choosing pollution-based profiteering over public health and cooking the climate to make a killing in the tar sands."

South American weather systems

Guto Guerzoni sends a short time-lapse video of the weather systems that moved over South America in November.

<<http://www.youtube.com/watch?v=TtpA9KV8fNE>>

Solar Activity and Svalbard Temperatures

This new paper compares the long temperature record at Svalbard, Norway to solar activity. The length of the solar cycle is strongly negatively correlated with the Svalbard temperatures with a time lag of 10 to 12 years. The data "show that 60% of the annual and winter temperature variations are explained by solar activity." The authors predict the Svalbard temperatures to decrease from 2009 to 2020 by 3.5 C, with winter temperatures decreasing by ~ 6 C.

<<http://www.friendsofscience.org/index.php?id=227>>

The Gospel according to Rahmstorf

Grant Foster and Stefan Rahmstorf have joined the latest desperate attempts to

keep the warming trend alive over the past decade to justify the dying AGW credo.

Frank Lansner tries to take their justifications apart on his blog. Anthony Watts gives it greater circulation.

<<http://wattsupwiththat.com/2011/12/17/frank-lansner-on-foster-and-rahmstorf-2011/>>

Thou shalt not question UN "experts"

CPACT's Kevin Klemm and Lord Monckton, wandering the halls of the Durban conference, ran into an interview being conducted. Read this to see what happened.

<<http://wattsupwiththat.com/2011/12/19/thou-shalt-not-question-un-experts/>>

Air Traffic emissions trading

The European Court of Justice has just ruled that the European Union is justified in forcing foreign airlines to regulate their greenhouse gas emissions. It would affect all planes that land or depart at EU airports. It has dismissed the protest from U.S. Airlines that such an Emission Trading system rule contravenes national sovereignty as well as international air traffic treaties.

Meanwhile the US House of Representatives has passed a law that forbids U.S. airlines to participate in such Emission Trading practices. The Senate is now also considering such a law.

afj~~~~ Merry Christmas to All ~~~~~

ClSci # 81 2011-12-12

Do overlaps of Polar and Sub-Tropical Jet Streams cause "Extreme Weather"?

<<http://wattsupwiththat.com/2011/12/05/common-link-in-extreme-weather-events-found-and-no-it-isnt-agw/>>

and while you're at it, take a peak a 144 hour double jetstream pattern:

<<http://www.weatherimages.org/data/imag192.html>>

Does Solar Magnetic activity point to Maunder depths?

While the sunspots are increasing, the important solar magnetic Ap Index is crashing. Look at Dr Leif Svalgaard's graphs on:

<<http://wattsupwiththat.com/2011/12/06/november-solar-activity-report-sunspots-and-10-7cm-radio-flux-up-but-the-solar-magnetic-ap-index-crashes/>>.

Also keep an eye on Watts' "Solar Reference Page"

<<http://wattsupwiththat.com/reference-pages/solar/>>

Combined obliquity and precession pacing of late Pleistocene

<http://www.nature.com/nature/journal/v480/n7376/full/nature10626.html?WT.ec_id=NATURE-20111208>

Peter Huybers - *Nature* **480**, 229–232 (08 December 2011)

Milankovitch¹ proposed that Earth resides in an interglacial state when its spin axis both tilts to a high obliquity and precesses to align the Northern Hemisphere summer with Earth's nearest approach to the Sun. This general concept has been elaborated into hypotheses that precession², obliquity^{3, 4} or combinations of both^{5, 6, 7, 8} could pace deglaciations during the late Pleistocene^{9, 10}. Earlier tests have shown that obliquity paces the late Pleistocene glacial cycles^{4, 11} but have been inconclusive with regard to precession, whose shorter period of about

20,000 years makes phasing more sensitive to timing errors 4' 11' 12. No quantitative test has provided firm evidence for a dual effect. Here I show that both obliquity and precession pace late Pleistocene glacial cycles. Deficiencies in time control that have long stymied efforts to establish orbital effects on deglaciation are overcome using a new statistical test that focuses on maxima in orbital forcing. The results are fully consistent with Milankovitch's proposal but also admit the possibility that long Southern Hemisphere summers contribute to deglaciation.

At the AGU Fall meeting in San Francisco

"Researchers from around the world gathered here this week for one of the world's largest and most important scientific get-togethers, the <<http://sites.agu.org/fallmeeting/>> annual meeting of the American Geophysical Union, and Oregon State University faculty and graduate students were prominent in the conference's vast program.

But current OSU faculty were just as notable at the science summit, none more so than Associate Professor Andreas Schmittner, who over the past two weeks made headlines for a recently published study in Science magazine.

<<http://latimesblogs.latimes.com/greenspace/2011/11/co2-sensitivity-possibly-less-than-most-extreme-projections.html>>

<<http://oregonstate.edu/ua/ncs/archives/2011/nov/new-study-climate-sensitivity-co2-more-limited-extreme-projections>>

He and collaborators from Princeton, Cornell, Woods Hole and elsewhere developed new climate models that show the likelihood of global warming causing temperature increases of as much as 10 degrees Celsius is extremely remote. An increase in the 2.4-degree range would be more consistent with the new models, and Schmittner was quoted in news accounts as saying increases of 4.7 degrees or more would be "virtually impossible."

James Hansen of NASA and colleagues took issue with that at a Tuesday news conference at AGU, pointing to other models showing increases of 8.6 degrees or more.

<<http://www.usatoday.com/tech/science/environment/story/2011-12-06/global-warming-raises-sea-level/51684646/1>>

Schmittner presented his new models and findings to a crowded room the following day, though, and observers couldn't deny that the OSU researcher and his fellow scientists are driving new and deeper understanding of just how much the earth will be changed by warming temperatures."

Cleaning up scientific practice:

NOAA and NOAA Administrator Jane Lubchenco have finally unveiled **the first scientific integrity policy** for America's first science agency. This overdue scientific integrity policy may be useful in resolving the differences between OSU faculty member Andreas Schmittner who stated that temperature increases of 4.7 degrees or more would be "virtually impossible" and "climate change heavyweight" James Hansen of NASA who accepts other climate models showing temperature increases of 8.6 degrees or more.

Some COP 17 tidbits from Durban

Minister Kent on the Kyoto extension:

<<http://www.cbc.ca/news/politics/inside-politics-blog/2011/12/canadas-statement-on-durban-climate-deal.html>>

"Nor will we devote scarce dollars to capitalize the new Green Climate Fund — part of the Durban agreement — until all major emitters accept legally binding reduction targets and transparent accounting of greenhouse gas inventory."

Perhaps not all of the Annex 1 countries have agreed to extend the Kyoto Protocol.

Canada's Environment Minister (Peter Kent) statement Sunday regarding the Durban agreement.

Some highlights from the Globe and Mail.

Mr. Kent, who came to Durban saying Kyoto represents the past, declared Sunday that Canada would not undertake a second Kyoto commitment period.

<<http://www.theglobeandmail.com/news/politics/canada-hopeful-of-finalizing-new-climate-deal-by-2015-environment-minister-says/article2267220/>>

The following link says Japan and Russia are out too.

<<http://news.nationalpost.com/2011/12/11/canada-cautiously-optimistic-about-new-climate-deal-despite-not-signing-on/>>

COP 17 agreement codicil:

"In a little noticed codicil to the Durban agreement, the negotiators agreed that representatives to all future meetings will arrive by and only use transportation that does not use fossil fuels either directly or indirectly. Further, all future venues must be entirely powered by wind and solar and have no connection to any existing electrical grid that derives its power, in whole or in part, from nuclear or fossil fuels."

(from WUWT blog 11 December)

The Twelve Days of ~~Christmas~~ Climategate 2

<<http://wattsupwiththat.com/2011/12/10/12-days-of-christmas-climategate/>>

The Atlantic Multidecadal Oscillation goes negative

An important oceanic correlative to Northern Hemisphere rainfall and temperature has turned negative for the first time in 15 years. Joe d'Aleo reports in WUWT on the behaviour of the Atlantic Multidecadal Oscillation index.

<<http://wattsupwiththat.com/2011/12/09/the-november-amo-index-goes-negative-first-time-since-1996/>>

and M.A. Vukcevic supplies a refresher on the AMO:

<<http://hal.archives-ouvertes.fr/docs/00/64/12/35/PDF/NorthAtlanticOscillations-I.pdf>>

The Power on the Throne

Canada's Prime Minister has been an enigma to many climate sceptics. Here is a man who - when in opposition - would believe in neither AGW, nor Kyoto and decried the signing of the Protocol by the ruling Liberals.

Now that he is not only PM, but also one with a majority in both the Commons and the Senate, many are wondering if and when he will take the steps to divorce us from the IPCC's creations, which are consuming a large number of dollars out of a tight budget. What is he waiting for? Has he lost faith in climate scepticism?

Many of us have written letters to politicians and senior civil servants, to little avail. Letters to the Minister of the Environment and the PM get polite and condescending responses, referring to the IPCC wisdom. In these days, and with Canada's brand of constitution, the power is concentrated on the throne, the one in the PM's Ottawa office.

What does Stephen Harper think? What is necessary for him to act?

Kathryn Blaze Carlson has written an article (National Post, December 10th) which involves an analysis of the thinking of Stephen Harper. While it actually deals with legislation involving the Native People and the attempts to change problems on the reserves, it finds that the pragmatic Harper, ruling by the concept that "Politics is the Art of the Possible", solves problems waiting for the right moment and succeeds where others have failed in more confrontational approaches. It belies opposition fears of hidden agendas, but poses one of dictatorial dangers.

If you want to get into Harper's skull read Carlson's article which starts on page A1 and concludes through pp. A6 and 7 of the Saturday edition.

And what about that AGW decision? Personally I put my cards on a quiet exit from Kyoto #1 during the distracting Christmas days. Keep your fingers crossed. -afj.

afj ~ ~ ~ ~ ~

CliSci # 80 2011-12-05

Climate Models versus Observations

One of the problems with climate-cause theories is that one cannot experiment in the lab in the way chemists and physicist do to validate a hypothesis. However, one thing that can be done is to compare in "year X" (say: today) how the model predictions in the past (say those made in year "X minus 20") have become true - or not. It's called "hindcasting" and the models by the IPCC have not fared well in this process at all. Someone who has been making some exploits into the reasons why the GCMs are so deficient is Bob Tisdale <<http://bobtisdale.wordpress.com/>> , who is particularly interested in the oceanic observed data which has not been a priority of the CO2 obsessed IPCC in the past.

Of course, the oceanic oscillations are now acknowledged to have links to climate

variations and are rather more likely to be associated with extraterrestrial forces than with carbon dioxide.

Recent work by Tisdale has been summarised and reviewed for FoS by Ken Gregory, whose new article can be found at

<<http://www.friendsofscience.org/assets/documents/FOS%20Essay/Climate%20Models%20vs%20Observations.html>>

A letter to Phil Jones

Willis Eschenbach has written an Open Letter to the CRU Head, Dr Phil Jones.

The full text is on WUWT:

<<http://wattsupwiththat.com/2011/11/27/an-open-letter-to-dr-phil-jones-of-the-uea-cru/#more-52007>>

Down to a new Maunder Minimum?

A paper by Lockwood *et al* in GRL 38 looks at the signs that preceded the Maunder and investigate whether the characteristics of the present decline in solar activity look ominously like a Maunder onset. The authors conclude they do.

The paper is behind Pay-wall. (I can make a copy available to researchers under certain restrictions.)

Abstract

The recent low and prolonged minimum of the solar cycle, along with the slow growth in activity of the new cycle, has led to suggestions that the Sun is entering a Grand Solar Minimum (GSMi), potentially as deep as the Maunder Minimum (MM). This raises questions about the persistence and predictability of solar activity. We study the autocorrelation functions and predictability $R2L(t)$ of solar indices, particularly group sunspot number RG and heliospheric modulation potential F for which we have data during the descent into the MM. For RG and F , $R2L(t) > 0.5$ for times into the future of $t \approx 4$ and ≈ 3 solar cycles, respectively: sufficient to allow prediction of a GSMi onset. The lower predictability of sunspot number RZ is discussed. The current declines in peak and mean RG are the largest since the onset of the MM and exceed those around 1800 which failed to initiate a GSMi.

Lockwood M., M. J. Owens, L. Barnard, C. J. Davis, and F. Steinhilber (2011),

The persistence of solar activity indicators and the descent of the Sun into Maunder Minimum conditions, Geophys. Res. Lett. 38, L22105,

doi: 10.1029/2011GL049811

NCAR's Wigley wants to have Cato's Patrick Michael's Ph.D. revoked.

Seriously. Read Pat's rebuttal at

<<http://wattsupwiththat.com/2011/12/02/team-ugliness-an-call-to-get-a-skeptics-phd-thesis-revoked/>>

I must admit the outspoken Patrick does generate uneasiness in some people, particularly when he is right. But this seems absurd.

Comments by your favourite Cartoonist

<<http://www.cartoonsbyjosh.com/climatechangeact.html>>

A come-uppance for Rahmstorf

Stefan Rahmstorf (Potsdam climate impact research institute, "PIK") could be the German equivalent of Hansen; he is well known for outrageous Sea Level estimates and a venomous pen. He falsely accused a journalist who took him to court and won. Those who know of the situation in Europe will smile.

Roger Pielke Jr reports on the incident

<<http://rogerpielkejr.blogspot.com/2011/12/journalist-fights-back-and-wins.html>>

What does it take to preserve CO2 *in situ* in ice cores?

In a discussion this past week on the Climate Sceptics Forum of the legacy of the late Zbigniew Jaworowski, which discussion dealt mostly with the reliability of CO2 readings from ice cores and the possible contamination problems caused by the coring operation itself, Ferdinand Engelbeen contributed a useful summary of what he thought of the "sealing" from the outside atmosphere of CO2 in the pores of ice caps.

http://www.friendsofscience.org/assets/documents/Engelbeen-CO2_ice_cores.pdf

afj ~~~~~

CliSci # 79 2011-11-27

Climate Gate - 2.0

It has happened. Again!

A second instalment of incriminating correspondence files from the CRU/ East Anglia Hockey Team and their IPCC colleagues has just been leaked (Nov.22), (in)conveniently in time for the COP-17 Durban conference. The word is that there is much more to come at an appropriate time, which is now held back under 256 bit encryption. The "appropriate time" may hang as Damocles' Sword over the heads of CRU staff.

Here are some samplings from the collection of >5000 e-mails

<http://www.friendsofscience.org/assets/documents/FOIA+2011.pdf>

The entirety of the second release is contained in a 173 MB Zip file. Anyone with the broadband capacity and download agreement to pull this in can find it at <<http://www.megaupload.com/?d=ROCGER37>> with a choice of speeds and cost.

Or go to <<http://sppiblog.org/news/climategate-2-0#more-6500>>

Anthony Watts' WUWT <<http://wattsupwiththat.com/2011/11/22/climategate-2-0/>> is keeping track of comments, as people with time on their hands are reading though the material.

Unprecedented thinning of Arctic Sea Ice?

Nature 479 contains an article by Kinnard *et al* which promptly hit the international press, as these IPCC-favoured pieces are wont to do.

Even the Abstract leaves one puzzling as to what these authors are trying to prove:

sea ice extent is now more than two million square kilometres less than it was in the late twentieth century, with important consequences for the climate, the ocean and traditional lifestyles in the Arctic^{1, 2}. Although observations show a more or less continuous decline for the past four or five decades^{3, 4}, there are few long-term records with which to assess natural sea ice variability. Until now, the question of whether or not current trends are potentially anomalous⁵ has therefore remained unanswerable. Here we use a network of high-resolution terrestrial proxies from the circum-arctic region to reconstruct past extents of summer sea ice, and show that—although extensive uncertainties remain, especially before the sixteenth century—both the duration and magnitude of the current decline in sea ice seem to be unprecedented for the past 1,450 years. Enhanced advection of warm Atlantic water to the Arctic⁶ seems to be the main factor driving the decline of sea ice extent on multi-decadal

timescales, and may result from nonlinear feedbacks between sea ice and the Atlantic meridional overturning circulation. These results reinforce the assertion that sea ice is an active component of Arctic climate variability and that the recent decrease in summer Arctic sea ice is consistent with anthropogenically forced warming.

Here we see terrestrial proxy data to prove something which is - by their admission - mainly driven by "enhanced advection of warm Atlantic water to the Arctic" (and, may I add, from the Bering Sea gap from the Pacific also), after which you should re-read the closing sentence of the abstract. The article also points to the existence of many uncertainties "especially before the 16th century" when proxy data become scarce.

The graphs in the article itself would find approval from hockey stick adherents. The proxy data were computer-processed to serve as input for the model used by the authors, but their relevance to floating sea ice is not clear to me.

As to the sea ice, there are historical records of voyages which also make one doubt the conclusions.

"What is wrong with the IPCC?"

That is the title of a 49 page paper by Dr Ross McKittrick, issued as Report #4 of the GWPF, in which the University of Guelph Environmental Economist and frequent writer on GW/CC issues takes the structure and procedures of the IPCC apart and criticises the many irregularities (opaqueness, lack of inclusivity, conflicts of interest and loopholes and gaps in the peer review process). He then proposes eleven "recommendations to fix the IPCC assessment process".

<http://www.thegwpf.org/images/stories/gwpcf-reports/mckitrick-ipcc_reforms.pdf>

Coming on the heels of Donna Laframboise's characterisation of the IPCC as a delinquent teenager, comments on this new study contain much admiration for Ross' detailed analysis. But the blog posts generally show doubt that the IPCC can be "reformed". One generally wants it to be disbanded.

3rd Santa Fe Conference on Global and Regional Climate Change

Dr. Judith Curry was the Keynote Speaker at this five day mammoth conference in the first week of November. Judy's website

<<http://curry.eas.gatech.edu/santafe/>> lists the four dozen abstracts.

h/t to Tom Harris

**Dr. Shawn Marshall (warmist, UofC) and Dr. Ian Clark (sceptic, Carleton U.)
debate at MRU on Tuesday.**

Climate Science debate are rare. Don't miss this one. Moot Hall is just right of the East Campus Entrance.

This debate is organised by the Friends of Science Society and the Frontier Centre for Public Policy.

Bring your friends.

<http://www.friendsofscience.org/assets/documents/CLiSci/AGW_Debate.pdf>

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CLiSci # 78 2011-11-21

Solar-terrestrial links

Nicola Scafetta has written an important paper that pulls together more than just the aurora and earth climate.

The paper, which is on Scafetta's website, highlights that global climate and aurora records present a common set of frequencies.

These frequencies can be used to reconstruct climate oscillations within the time scale of 9–100 years.

An empirical model based on these cycles can reconstruct and forecast climate oscillations.

Cyclical astronomical physical phenomena regulate climate change through the electrification of the upper atmosphere.

Climate cycles have an astronomical origin and are regulated by cloud cover oscillations.

<<http://www.fel.duke.edu/~scafetta/pdf/Scafetta-auroras.pdf>>

Zbigniew Jaworowski †

Zbigniew Jaworowski, originally a physician, but eventually a multi-disciplinary scientist, died on November 12th in Warsaw. In the field of climate controversy he was well known for his work on ice cores, in particular with reference to the controversial stability of CO2 in those cores.

Attached is an interview with EIR Science & Technology, "A Lie aimed at Destroying Civilisation", which he gave in December 2010, at the time of the Copenhagen

Summit. In the last few of the nine pages he traces the origin of current climate alarmism back to Thomas Malthus (1798) and his demographic based anti-development, the Club of Rome (1960) with its industrial limitation and world government aspirations, to Maurice Strong who cherishes the same priorities.

<http://www.21stcenturysciencetech.com/Articles_2010/Jaworowski_interview.pdf>

Tim Ball reviews Jaworowski's contribution to climate science on his blog
<<http://drtimball.com/2011/zbigniew-jaworowski-m-d-ph-d-d-sc/>>

Surprises in Special Report by IPCC elicits comments

A preliminary report released by the IPCC, states there will be no detectable influence of mankind's influence on the Earth's weather systems for at least thirty years, and possibly not until the end of this century. *"Projected changes in climate extremes under different emissions scenarios generally do not strongly diverge in the coming two to three decades, but these signals are relatively small compared to natural climate variability over this time frame. Even the sign of projected changes in some climate extremes over this time frame is uncertain"*.

<<http://ipcc-wg2.gov/SREX/>> contains an 8 MB SPM (Summary for Policy Makers) of the "Special Report on Managing the Risks of Extreme Events and Disasters to Advance Climate Change Adaptation (SREX)". -WG 1&2

Feel free to work your way through the usual IPCC gobbledygook but the shortcut is here to look at the Comment by David Whitehouse and Benny Peiser of the Global Warming Policy Foundation.

Quo Vadis IPCC?

<<http://thegwpcf.org/press-releases/4369-natural-variability-to-dominate-weather-events-over-coming-20-30-years.pdf>>

On the BBC's Science & Environment website, its notorious environment editor Richard Black (ever noticed he looks a bit like Michael Mann?) has been given a peek at the first draft of some of the IPCC's draft text for AR5, due in 2014. One is struck by the sentence *"Uncertainty in the sign of projected changes in climate extremes over the coming two to three decades is relatively large because climate change signals are expected to be relatively small compared to natural climate variability"*.

More disclosures: <<http://www.bbc.co.uk/news/science-environment-15698183>>

Roger Pielke Jr remarks: "

"The good news about the leaked document is that efforts to alter the text will be noticed. Based on Black's report, it seems that the IPCC has at long last done the

You don't even need to consider the physics for this.

Dr Pat Michaels in *Climate Report* : Will IPCC be forced to lower Climate Sensitivity again?

There is word circulating that a paper soon to appear in *Science* magazine concludes that the climate sensitivity—how much the earth's average temperature will rise as a result of a doubling of the atmospheric concentration of carbon dioxide—likely (that is, with a 66% probability) lies in the range 1.7°C to 2.6°C, with a median value of 2.3°C. (The IPCC's AR4 gives a likely range of 2.0 to 4.5, with a best estimate of 3.0 Celsius)

(Of course, we think it is not even that high; see Tim's above !)

<<http://www.worldclimatereport.com/index.php/2011/11/08/a-new-lower-estimate-of-climate-sensitivity/#more-513>>

Debating the Science of Climate .. Calgary November 29th

<<http://www.fcpp.org/eventgroup.php/316>>

In Canada, like almost anywhere else, public debates between warmists and sceptics are few and far between. We have been trying for years to get intelligent representatives from the two sides to engage in an intelligent discussion. Did we succeed? Come to the debate at Mount Royal University and see for yourself !

Speakers: Dr. Shawn Marshall and Dr. Ian Clark

<<https://secure.fcpp.org/files/5/Marshall-Clark2.jpg>>

Location: Venue tbd; Mount Royal University, Calgary

Date: November 29, 2011 - 7:00 pm

Cost: \$0

We know the politics well by now. But what about the science behind climate change? Much of the climate change debate in the public arena engages more politics than science. The result has been a vacuum on the scientific arguments in the public space. The Frontier Centre is proud to sponsor the upcoming open and scientific debate in which science meets science in the context of climate change. Two opposing scientific positions relating to anthropogenic global warming will be respectively presented by prominent scientists: Professors Shawn Marshall and Ian Clark. Dr. Marshall is the Canada Research Chair in Climate Change at the

University of Calgary while Dr. Clark is Professor of Earth Sciences at Ottawa University. You may recall Ian Clark as the one who gave the prologue and epilogue in the FoS' video "**Climate Catastrophe Cancelled**". Drs. Marshall and Clark have been actively engaged in climate change issues in their research and are respected scholars in this field. We look forward to a lively and stimulating debate open to the university community and to the public at large. Presentations will be followed by a period of questions and answers.

New articles on the <www.friendsofscience.org> website

Eleven documents were added to the site during Sept and Oct, 2011.

[New articles are listed at <<http://www.friendsofscience.org/index.php?id=393>>]

[Global Warming Panic Explained Animated Video](#) [Interesting Videos] added October 30, 2011

[Excerpt & Review of "The Delinquent Teenager"](#) [In Consensus and Skeptics] added October 30, 2011

[The Wind Power Industry - the Greatest Scam of Our Age](#) [In Policies & Economics] added October 29, 2011

[Permafrost and Climate Change in the Colorado Front Range](#) [In Temperature History] added October 22, 2011

[Electricity in The Netherlands: Wind Turbines Increase Fuel Consumption](#) [In Policies & Economics] added October 16, 2011

[Regulation Without Reason](#) [In Policies & Economics] added October 14, 2011

[Global Warming and Phanerozoic Climate Changes](#) [In General Climate Sciences] updated October 13, 2011

[FoS Response to Environment Canada's CO2 Emissions Reduction Plan](#) [In FoS Initiatives] added September 29, 2011

[The UN's 50 million Climate Refugees](#) [In Consensus and Skeptics] added September 27, 2011

[Contribution of Cosmic Ray Flux to Global Warming](#) [In The Sun] added September 17, 2011

[Forbush Decreases – Clouds Relation in the Neutron Monitor Era](#) [In The Sun] added September 12, 2011

The AI Gore Tour - Review by an erstwhile Friend in *Nature Climate Change*

Getting Gored and bored.

<<http://wattsupwiththat.files.wordpress.com/2011/11/fullscreen2bcapture2b11820112b1127562bam.jpg>>

FoS Submission on Environment Canada's Proposed CO2 Regulations

The Friends of Science Society has taken Environment Canada up on its request for comments on its proposed Regulations to reduce CO2 emitted in the coal-fed generation of electric power.

A one page summary of its arguments written for the general public, media and politicians is found below.

<http://www.friendsofscience.org/assets/documents/FoS_CO2_reduction_plan_Summary.pdf>

afj ~~~~~

ClSci # 76 2011-10-30

The Gore Show

For those who are unfamiliar with WUWT's resident cartoonist "Josh" take a look <<http://wattsupwiththat.com/climate-fail-files/the-gore-a-thon-on-wuwt/>> at his Gore-a-ton, the 24 hours of the Gore "Earth show" on September 14th, with a cartoon every hour.

New temperature proxy

Before the days of the thermometer proxies like historically recorded grain prices were used with some success. The following news release adds another one:

"Brewing group Heineken reported a 1.7% drop in third quarter group beer European sales on Wednesday, due in part to the poor European summer.

But total sales in volume terms rose 1.1%, boosted by growth in four other regions, including a 4.9% rise in central and eastern Europe, the company said in a [statement](#).

<http://www.heinekeninternational.com/nv_third_quarter2011.aspx>

Total revenues reached €4.6bn, unchanged on the year-earlier period. Net profit was also stable at €525m.

Heineken said at the end of August it expected this year to be difficult and reiterated earlier forecasts that net profit would be broadly in line with last year."

Heineken seems to realise that warming has stopped.

Kininmonth on early IPCC history

It is important to put the global fight against the presumed human-caused warming of the planet in context of the political beginnings of the UN Environmental Program (UNEP) in which Canadian manipulator Maurice Strong played such an important part.

Retired Australian meteorologist William Kininmonth disagreed with the suggestion by one ClimateSceptics Forum member that the ICSU (International Council of Science [Scientific Unions]) was the power behind the throne and contributed the following posts, hereby distributed with the author's permission.

<http://www.friendsofscience.org/assets/documents/CliSci/Kininmonth_on_early_IPCC.pdf>

See also the extensive 2009 report by John McLean/SPPI .

<http://scienceandpublicpolicy.org/images/stories/papers/originals/climate_science_corrupted.pdf>

Tabling science in the Alberta Legislature

With a new Premier, is there some hope that a new look can be taken at the underpinnings of Alberta's GHG policies, with such outrageous expenditures as a two billion dollar subsidy for a CCS project ("Carbon Capture & Storage")?

Geophysicist Norm Kalmanovitch is trying. He found a friendly opposition MLA prepared to table the following science summaries on one of the few days that the Legislature is in Fall Session this year.

<http://www.friendsofscience.org/assets/documents/CliSci/Carbon_Dioxide_Emissions_and_Global_Temperature.pdf>

<http://www.friendsofscience.org/assets/documents/CliSci/Geophysical_evaluation_global_temperature_CO2.pdf>

"It's libel except when Mike does it"

Paul Driessen reviews the latest libel suit launched by Michael Mann with respect to Martin Herzberg's comments in the *Vail Daily Voices* where Martin is supposedly "*making false and defamatory statements about me and my climate scientist colleagues*". He also revisits and updates readers on Tim Ball's similar case.

<<http://wattsupwiththat.com/2011/10/25/its-libel-except-when-mike-does-it/>>

Why did the temperature rise stall?

More from "Josh": This is thanks to Roger Pielke's compilation of responses to this question:

'Why, despite steadily accumulating greenhouse gases, did the rise of the planet's temperature stall for the past decade?

<<http://wattsupwiththat.com/2011/10/27/climate-scientists-and-their-excuses/>>

Cartoon by Josh:

<http://wattsupwiththat.files.wordpress.com/2011/10/josh_aerosols_650.jpg>

(from WUWT 29 Oct)

Increase of extreme events in a warming world

1. This paper by Potsdam's [Stefan Rahmstorf](#) and
2. [Dim Coumou](#) in PNAS was "edited", not "peer-reviewed" and is the latest attempt to maintain the charade.

<<http://www.pnas.org/content/early/2011/10/18/1101766108.abstract>>

1. Potsdam Institute for Climate Impact Research, PO Box 601203,
14412 Potsdam, German

1. Abstract

We develop a theoretical approach to quantify the effect of long-term trends on the expected number of extremes in generic time series, using analytical solutions and Monte Carlo simulations. We apply our method to study the effect of warming trends on heat records. We find that the number of record-breaking events increases approximately in proportion to the ratio of

warming trend to short-term standard deviation. Short-term variability thus decreases the number of heat extremes, whereas a climatic warming increases it. For extremes exceeding a predefined threshold, the dependence on the warming trend is highly nonlinear. We further find that the sum of warm plus cold extremes increases with any climate change, whether warming or cooling. We estimate that climatic warming has increased the number of new global-mean temperature records expected in the last decade from 0.1 to 2.8. For July temperature in Moscow, we estimate that the local warming trend has increased the number of records expected in the past decade fivefold, which implies an approximate 80% probability that the 2010 July heat record would not have occurred without climate warming.

—> *late news*:

"BEST" has exploded

The premature release of the Berkeley surface temperature study, on which I reported earlier (see CliSci #75: "Not the BEST") has blown up into something which Professor Judith Curry compares to ClimateGate. I can do no better than to refer you for the full story to today's WUWT

<<http://wattsupwiththat.com/2011/10/29/uh-oh-it-was-the-best-of-times-it-was-the-worst-of-times/>>

afj ~~~~~

CliSci # 75 2011-10-25

Dutch sceptics and the Royal Dutch Academy of Sciences (KNAW)

Further to my report (CliSci #74) on the goings-on in the Netherlands, where the Academy had published a report on a discussion between protagonists and antagonists of AGW, which turned out not to be a *précis* of that meeting, but a recital of IPCC dogma, there has been protest from a number of sides. Some members have sent in their objections and some other sceptics have used their blogs to take the Academy's paper apart.

One of these is in the Dutch language <climategate.nl> in which the English translation of blogger/engineer Theo Wolters' comments appear.

<<http://climategate.nl/2011/10/19/bad-science-in-alarmist-report-from-royal-dutch-academic-council/#more-13523>>

It should be noted that the KNAW brochure which supposedly reports on a discussion of the causes of Climate Change, was written by five people, of which two are experts in food supply, one is a environmentalist (University Faculty of

Literature), one is an oceanographer and one a palynologist/ecologist. The KNAW Chairman is a mathematical physicist.

Not the BEST

Berkeley's Physics Professor Richard Muller, in an attempt to clear up the uncertainty surrounding surface air temperature measurements, which have been attacked by skeptics for years, took the initiative to test the various temperature series with The Berkeley Earth Surface Temperature project ("BEST").

In an article in the October 21st Wall Street Journal, he jumped the gun on the conclusions of the project with "The Case against Global-Warming Skepticism, *There were good reasons for doubt, until now*".

As is usual in those cases, the media promptly picked it up and spread the earthshaking story around the world.

In spite of the fact that a number of reputable sceptics were on his team, it seems that Muller missed his target.

Says Maurizio Morabito: "*World is warming. Pope is Catholic.*"

I have attached [2nd link below] an English language version of a summary by Hans Labohm, (*with thanks!*) originally published in

<<http://www.dagelijksestandaard.nl/2011/10/toetsing-temperatuurreksen-ontaardt-opnieuw-in-klimaatpropaganda-%E2%80%93-niet-zo-best>>

<http://www.friendsofscience.org/assets/documents/CLiSci/BEST's_Muller_Comments.pdf>

In a post on their own *Real Climate* on October 24th even the Warmists distance themselves from Professor Muller and his "findings".

The Subterfuge Weapon in the "Warmist's" Arsenal.

An 'editorial'

It seems that the Warmists are taking a leaf out of the IPCC PR manual which releases a SPM ("Summary for Policy Makers") - banking on an alarmist media stir - before the actual Assessment Reports are published, which would have put the "if", "but" and "maybe" comments under unwarranted statements. It appears (See

would enjoy.

From Brazil, Guto Guerzoni send this "*para entender o comportameanto do tempo e da movimentação das massas de ar*" taken from satellites images during September 2011

<<http://www.youtube.com/user/fcachoeira?feature=mhee>>

The other one comes from Francis Manns and shows the pattern of the jet stream moving across the globe over a 180 hour period. Fran sees "galloping Rossby waves".

<http://www.stormsurfing.com/cgi/display_alt.cgi?a=glob_250>

Fred Singer on validating models

In NIPCC vs. IPCC [Singer 2011], Fred Singer demonstrates that under the present circumstances the models cannot be validated at all because of inherent chaotic uncertainties. First, in efforts to show consistency between observations and the model results, error bounds have been extended to the point they become almost meaningless. Second, all the models are non-linear chaotic models. They produce different results each time they are run. No one run, or even a few runs, can be used to establish a mean for the runs. At least 10 runs, or more appropriately, 20 runs are needed to establish a mean. The model with the greatest number of published runs is the one from Japan with five runs - each showing strikingly different results with each run. Many models have been run only once or twice. A mean from these various models is statistically meaningless. Third, the surface temperature data from 1979 to 1997, which is used to establish the models, reports a warming trend that may not exist. It cannot be found in the records from six independent methods including radiosonde, satellite,

and proxy data.

Retracted papers

The rate of retractions of scientific papers has increased substantially in the last decade.

More interestingly, when put on a graph, it looks like a hockey stick.

See this story in *Nature*.

<<http://www.nature.com/news/2011/111005/full/478026a/box/2.html>>

Peter Ziegler's GW Science presentation

Dr Ziegler has updated his excellent presentation which has now been posted in PDF format on:

<http://www.friendsofscience.org/assets/documents/Global.Warming_Ziegler.pdf>

CEPA submissions.

The Federal Government (through Environment Canada) has invited submissions of comments on proposed Regulations to limit CO2 emissions from coal-fired electricity generating plants. The regulations tie to the Canadian Environmental Protection Act's insistence to list CO2 under its family of toxic substances.

The *Friends of Science Society* has made a detailed submission which can be found at:

<http://www.friendsofscience.org/assets/documents/FoS_CO2_reduction_plan_Sep_t2011.pdf>

Independent of that, a submission has also been prepared by *Lord Christopher Monckton*.

<http://www.friendsofscience.org/assets/documents/Monckton_Canada_CO2_emissions.pdf>

Both papers supply specific scientific arguments against implementation of the

Regs, and demand attention, hopefully also from the Conservative Government.

Watching the Sun

The summit of Hawaii's Haleakala will see a giant telescope being built, with one of its purposes to investigate the precursors of sunspots. See the article in *NatureNews* at:

<http://www.nature.com/news/2011/111012/full/478166a.html?WT.ec_id=NATURE-20111013>

The delinquent teenager

"The Delinquent Teenager, who was mistaken for the World's Top Climate Expert" is a \$ 5 Kindle book by Donna Laframboise. See the announcement on her website: <<http://nofrackingconsensus.com/2011/10/13/a-book-is-born/>>

It is an exposé of the IPCC. Guelph Economics Professor Ross McKittrick says of it:

"...you need to read this book. Its implications are far-reaching and the need to begin acting on them is urgent."

The price is right and you can download a Kindle reader to your computer.

Dutch sceptics fight their Royal Academy

You may recall that I reported last year on the encouraging progress being made in getting the officials at the KNMI (the Dutch "Met"), the KNAW (Royal Dutch Academy of Sciences) and the Government to listen to the sceptics' counterarguments to the IPCC's dogma. This culminated in a closed meeting between sceptical scientists and the KNAW in April 2010 (including some of the Academy's own members), on which a full report was promised by the KNAW.

This report has now finally come out and includes the following summary section in translation:

7. Summary statements

a. Humanity is changing the composition of the atmosphere quickly and radically.

The increased concentration of carbon dioxide and other greenhouse gases can not be trivialised.

b. Approximately half of the human produced carbon dioxide remains in the atmosphere.

The rest is absorbed by the oceans and land vegetation/ground.

c. The absorption of carbon dioxide in the oceans leads to acidification of their waters.

Deforestation and urbanisation leads to reduced uptake of carbon dioxide by the ground.

d. The last fifty years have seen an increase of the world's average temperature.

The period 2001-2010 was the warmest decade since systematic measurements started around 1850.

e. The current climate models declare climate changes in the 20th century to be extensive.

According to these models the rise in the average temperature of the earth can not be adequately explained without taking into account the extra greenhouse gases produced by humans.

f. If we follow the scenario of the ever increasing use of fossil fuels, the model-projections indicate that the average temperature on earth in the year 2100 could be between 1.1 and 6.4 degrees higher than in 1990.

g. Minimum changes can have wide consequences for the climate.

That property is, certainly for a unique system such as the climate, an urgent reason to abruptly limit (on a timescale of decades) changes (for example an enormous rise in carbon dioxide) as far as possible.

Our Dutch colleagues are understandably furious. As the Report does not reflect the proceedings of the meeting, they will probably try to shame the Academy into retracting it.

One can't help for being a bit jaded about these things by now. The KNMI and KNAW, advisors to a government that is a member state of the EU, have been forced to bet their scientific lives on support of the European Commission's AGW edicts, which had been arrived at by politicians, as has been the case with the UK's Royal Society. Some conscientious members have resigned over this.

Too much pride and protection of position is at stake now, both politically and personally.

I will let you know what happens!

regulations on the reduction of emission from coal-fired Electric generation facilities.

The Friends of Science Society has submitted its comments, which can be seen on its website at

<<http://www.friendsofscience.org/index.php?id=545>>

The 21 page science summary rejects the IPCC's CO2 script on which the Federal Department depends, addresses natural forces and the benefit for agriculture of increased CO2 and of a few degrees of natural warming in Canada, both for crops and for people.

The submission was prepared by Ken Gregory, a FoS Director.

It is written in language that politicians may understand.

You may want to forward a copy to your MLA and your MP.

CLOUDS: positive or negative feedback?

On WUWT a guest post, Australian *Erl Happ* who introduces himself as "a winemaker and grape-grower with a strong interest in climate", explores the influence of the high Cirrus/Stratus type, and the lower Cumulo-Nimbus in their influence on surface temperatures. IPCC builds on positive feedback. Happ concludes: *Cloud Cools*.

<<http://wattsupwiththat.com/2011/09/28/cloud-cools/>>

Who says you have to be a climatologist?

Carlin vindicated

In 2009, when the EPA announced its “endangerment” finding to justify its planned regulation of greenhouse gases under the Clean Air Act, *Alan Carlin*, a 35-year veteran EPA employee (and ex-WWFER!) who ran the EPA’s National Center for Environmental Economics, produced a 98-page critique of the climate science the EPA used in its finding. Carlin’s report concluded, “We believe our concerns and reservations are sufficiently important to warrant a serious review of the science by the EPA.”

Subsequently he was told to shut up and quit working on the climate change file, after which he quit the EPA.

Eventually an Inspector general of the EPA proved Carlin right. His report stated that the EPA failed to follow the Office of Management and Budget’s peer review procedures for a “highly influential scientific assessment,” which is defined as an assessment that could have an impact of more than \$500 million in one year and is “novel, controversial, or precedent setting.”

In particular, the document was reviewed by a 12-member panel that included an EPA employee, violating rules on neutrality. EPA also did not make the review results public, as required, or certify whether it complied with internal or OMB requirements.

Our admiration goes to Alan Carlin.

Patrick Michaels reviews the matter in *Forbes*:

<<http://www.forbes.com/sites/patrickmichaels/2011/09/30/the-epas-endangerment-finding-is-very-endangered/>>

The electric heliosphere

Kosuke Heki (Hokkaido U.) has published in GRL his observations of local anomalies in ionospheric Total Electron Content that occur as precursors of large recent earthquakes.

Abstract and illustrations are below. The article is behind the pay-wall.

<<http://www.agu.org/pubs/crossref/2011/2011GL047908.shtml>>

Speculations abound on the blog portion of WUWT of October 3rd.

Much to do about the Arctic Ozone hole

After the Montreal Ozone Protocol we spent millions getting rid of those nasty CFCs that supposedly damaged the Ozone layer as well as replacing the cooling equipment that needed the substance. It has become clear that the CFCs may not have been the culprit after all (something Tim Ball pointed out at the time of the Montreal hearings). Sceptics have regarded the Montreal show to be just Kyoto practice; it seems the media and many human-cause alarmists have are still pointing to human causes.

Now there is a hole in the Ozone layer in the Arctic, instead of the usual one in the Antarctic. Extreme Arctic cold is said to activate Chlorine into destroying ozone molecules. The cause being debated in an article and lively blog at:

<<http://wattsupwiththat.com/2011/10/03/arctic-cold-yields-unprecedented-arctic-ozone-loss/>>

and as Dessler in *Science* 330 (Dec 10th 2010) p 1523, who says

Estimates of Earth's climate sensitivity are uncertain, largely because of uncertainty in the long-term cloud feedback. I estimated the magnitude of the cloud feedback in response to short-term climate variations by analyzing the top-of-atmosphere radiation budget from March 2000 to February 2010. Over this period, the short-term cloud feedback had a magnitude of 0.54 ± 0.74 (2s) watts per square meter per kelvin, meaning that it is likely positive. A small negative feedback is possible, but one large enough to cancel the climate's positive feedbacks is not supported by these observations. Both long- and short-wave components of short-term cloud feedback are also likely positive. Calculations of short-term cloud feedback in climate models yield a similar feedback. I find no correlation in the models between the short- and long-term cloud feedbacks.

while another contribution has been made by a team from Belgrade University led by Drajić . : in *Astrophys. Space Sci Trans*, 7 pp 315-318

The proposed influence of cosmic rays on cloud formation is tested for the effect of sudden intensity changes of CR (Forbush decreases) on cloudiness. An attempt is made to widen the investigated period covered by satellite observation of cloudiness. As an indicator of cloud cover, the diurnal temperature range (DTR - a quantity anticorrelated with cloudiness) is used. The superposed epoch analysis on a set of isolated Forbush decreases is conducted and the results for a region of Europe are presented. The effect of Forbush decrease on DTR is statistically significant only if the analysis is restricted to high amplitude FDs (above the threshold value of 7% with the respect to undisturbed CR intensity). The magnitude of the effect on DTR is estimated to be $(0.38 \pm 0.06)^\circ\text{C}$.

More on this will be contained in the *Friends of Science Quarterly Report* which will be distributed to members shortly.

Such reports, as is the case with the regular "FoS Extracts" Newsletter, will appear on the Society website after some delay.

* According to the Arctic Sea Ice cover graph, ice cover increased earlier this month. 2007 remains with the record lowest number in recent years. Due to the relatively short (satellite-based) time span, these variations are given undue emphasis, as historical records prove that low-ice years have not been exceptions. Besides, Sea Ice melts from the bottom, wind patterns and ocean currents have great influence in circulation and ice removal through the Svalbard gap. Arctic sea ice cover is not the weathervane it is made out to be.

ICSC urges you to comment on ignorant CO2 legislation

ENVIRONMENT CANADA INVITES PUBLIC FEEDBACK ON CARBON DIOXIDE REDUCTION PLAN

September 2, 2011: "<[Reduction of Carbon Dioxide Emissions from Coal-Fired Generation of Electricity Regulations](#)>", published in Canada Gazette, the official newspaper of the Government of Canada. The Gazette announcement asserts:

"The most significant sources of GHG emissions are anthropogenic, mostly as a result of combustion of fossil fuels."

Emeritus Professor of Physics (U Conn.) Howard Hayden, PhD responds, "This statement is either incredibly ignorant or an out-and-out lie. Combustion of fossil fuels is responsible for about 3.5% of all carbon dioxide emissions."

[Read](#) the whole Canada Gazette announcement.

[Here](#) is the Minister of the Environment's original (August 19, 2011) announcement of this regulation. Note the emphasis on pollution reduction. In reality, the pollution reduction predicted by the regulation is so small as to be immeasurable.

Comments are invited from the public for a 60 day period from August 27 - Oct 26, 2011 by sending an e-mail, fax or phone call to the Environment Canada representative listed [here](#).

Note that, in response to public comment, Environment Canada are sending a form letter response which reads, in part: "Your views ... are being taken into account in the development of final Regulations", even if the comment is that there should be no carbon dioxide regulation. It may be that the letters are not read before the form letter response is sent, so ICSC suggests that e-mail comments submitted specify in the subject line of your e-mail that there should be no regulation of carbon dioxide (if that is what you are suggesting). Regardless, we also suggest that e-mails sent to the ECrepresentative Cc the PrimeMinister (at Calgary@stephenharpermp.com), the Environment Minister (at kentp@parl.gc.ca) as well as your MP.

See < <http://tinyurl.com/3ddmoqe>>

Spencer & Braswell write devastating paper and *Remote Sensing* Editor shoots in own goal

U.of Alabama's Roy Spencer and William Braswell have written a paper on the sensitivity of the radiative climate system to natural cloud variations and find that it is not possible to quantify certain satellite data/climate model discrepancies in terms of feedbacks, as the IPCC does.

"It is concluded that atmospheric feedback diagnosis of the climate system remains an unsolved problem, due primarily to the inability to distinguish between radiative forcing and radiative feedback in satellite radiative budget observations."

<http://www.mdpi.com/search/?q=misdiagnosis&s_journal=remotesensing&s_volume=3&s_authors=Spencer&s_section=&s_issue=&s_article_type=research-article&s_special_issue=&s_page=1603&s_search=Search>

Coming on the heels of the CERN report, this appears to have been particularly upsetting to the IPCC crowd and RC bloggers. There are stories about Editor Wolfgang Wagner of *Remote Sensing* having resigned (after having allowed publication with proper peer-review), shady interference from warmers and much more.

I am not going to get into this, but I recommend those interested to refer to a full discussion and comment at

<<http://wattsupwiththat.com/2011/09/05/journal-deliverance-the-true-story-of-the-climate-hillbillies/>>

and several other articles on Anthony Watts' blog.

The fortress is crumbling, at least scientifically.

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**CliSci # 70 2011-08-31**

### The 2011 Non-Government IPCC counterpart

As separate mailing I am sending to you a PDF of the latest Heartland publication, the NIPCC's 2011 Interim Report: "Climate Change Reconsidered".

For those who have difficulty with a 8.5 MB PDF file through the mail, please go to <<http://tinyurl.com/3q5gxsl>> and download it yourself, unless you rather order a \$79 hard copy.

Lead authors Idso, Carter and Singer and eight additional Contributors to this >400 page publication summarise practically all major subjects of climate change. It updates the earlier 2009 version and is written in a style that "the intelligent lay person" can keep on reading without getting befuddled by scientific jargon and complexities.

Please note that the pagination of the sidebar thumbnail list is 15 higher in number than the actual report pages.

afj ~~~~~

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**CLiSci # 69 2011-08-26**

### **CERN confirms Svensmark Cosmic Ray induced cloud formation theory**

This extra CLiSci edition reports on the results of the CERN "CLOUD" experiment which was set up to confirm or reject the conclusions by Henrik Svensmark of his experiment in the basement of his Copenhagen laboratory, now five years ago. This is very current, hot news and wait for your newspaper *not* to report it.

Svensmark contended that changes in Cosmic Ray flux received on earth, a particle flow which exists throughout the universe, are primarily due to variations in the solar flux, which is tied to solar activity.

Simplified and in a few words: Low solar activity (like we have now) allows more CRs to penetrate our atmosphere and create condensation nuclei for global increases in cloud formation, hence causing cooling.

While Svensmark's work is described *in extenso* in Svensmark & Calder: "The Chilling Stars - A New Theory of Climate Change", I am referring you to Nigel Calder's blog report at

<<http://calderup.wordpress.com/2011/08/24/cern-experiment-confirms-cosmic-ray-action/>>

The CERN report on the "CLOUD" experiment is at

J. Kirkby *et al.*, *Nature*, 476, 429-433, 2011.

The authors list and abstract are available at

<<http://www.nature.com/nature/journal/v476/n7361/full/nature10343.html>>

but the article is behind the usual \$ 32 Pay-wall.

Undoubtedly, the IPCC will turn on the damage control, by trivialising the results, or develop yet another stop-gap theory (like in the case of the Temp/CO2 sequence in ice cores) which none but the faithful will believe.

afj ~~~~~

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**ClSci # 68 2011-08-22**

### **Measuring Sea Level on a " pear-shaped geoid with flat spots"**

In a new post on WUWT Bob Tisdale updates global Sea Level data, as well as individual anomalies charts (compared to a 1993-2010 mean) for the three main oceans. Some interesting differences become obvious.

He also discusses the work of the U. of Colorado in which the influence of ENSO on global sea levels is compared

<<http://wattsupwiththat.com/2011/08/18/tisdale-on-2011-sea-level-changes/>>

At least as interesting is the following comment section of the blog, where correspondents delve into the difference of annual SL increase calculations from various sources, such as the tide gauge measurements of 1.7mm/ann, the 3.2 mm/ann from Colorado, various higher IPCC predictions, not to speak of Hansen's and Rahmstorf's estimates of several metres per century. The satellite method is revisited by pointing out that the late John Daly's sceptical view of ten years ago still stands;

<<http://www.john-daly.com/altimetry/topex.htm>>

One commentator says: "One can't but be sceptical of a satellite's ability to measure a pear-shaped-geoid-with-flat-spots. As Bob Carter says, it's at the limit

of human knowledge, or words to that effect."

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See also McKay *et al* in GRL on "The role of ocean thermal expansion in Last Interglacial sea level Rise"

<<http://dx.doi.org/10.1029/2011GL048280> >, in which the authors attempt to separate the various factors that cause Sea Level to rise in a post-glacial period.

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### **Happer: The Truth about Greenhouse Gases**

Princeton's Professor William Happer has written a very readable semi-philosophical essay about GHG, which he calls the "*contemporary moral epidemic*" of climate alarmism . You may want to hand it out to some of your more naive friends and acquaintances, if any.

<[http://www.thegwpc.org/images/stories/gwpc-reports/happer-the\\_truth\\_about\\_greenhouse\\_gases.pdf](http://www.thegwpc.org/images/stories/gwpc-reports/happer-the_truth_about_greenhouse_gases.pdf)>

. It is Briefing Paper #3 in the GWPF series

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### **Deep origins of Sunspots**

Oliver Manuel writes:

Here's a new report by Stathis Ilonidis, Junwei Zhao and Alexander Kosovichev of Stanford University on "Detection of Emerging Sunspot Regions in the Solar Interior," Science 333, 993-996 (19 Aug 2011).

Abstract at <http://www.sciencemag.org/content/333/6045/993.abstract>.

As support for the AGW story vanishes, it is encouraging to see new interest in the origin of sunspots from the deep interior of Earth's violently unstable heat source.

Professors Ninham, Fribery and I published a paper on this subject a few years ago ["Super-fluidity in the solar interior: Implications for solar eruptions and climate", Journal of Fusion Energy 21, 193-198 (2002)]:

<http://arxiv.org/pdf/astro-ph/0501441>

.....

Also see:

<http://wattsupwiththat.com/2011/08/19/detecting-sunspots-before-they-form-allows-for-better-space-weather-forecasting/>

and recall the solar dynamo work of Kees De Jager and Silvia Duhau, (CliSci #63, June 26th).

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### **Wil Alexander's *cri de cœur***

With the annual IPCC circus in Durban - with *the AlGore* in tow - approaching, Emeritus Professor Wil Alexander (Civil Engineering, Hydrology, Climatology, - U. of Pretoria, RSA) urges African countries to evaluate carefully what the warmist establishment is getting them into. The damage done by the Stern Report - rejected by most sceptics, even by many of his fellow economists, but still one of the IPCC's policy foundations - weighs heavily on developing countries.

Alexander has been in the front lines of the battle in Africa. He has published extensively on the connection between the hydrological/meteorological patterns and the solar cycle variations.

At age 85 he published last week his experiences with the 'Manipulation of Science' and recommends that the Durban UNFCCC meeting be persuaded to revert to the 1999 Budapest "***Declaration on Science and the Use of Scientific knowledge***". He recommends that South Africa should take the lead by informing the Durban conference that South Africa intends appointing a high level, independent, multidisciplinary Commission of Enquiry that will operate on the basis recommended by the Budapest Declaration and believes that many nations will accept this proposal with relief.

However he has no illusions of success....

Curiously available through a link at <[www.desmogblog.com/william-jr-alexander](http://www.desmogblog.com/william-jr-alexander)> by scrolling down to the first of the "non peer-reviewed articles" (thanks, Hoggan?)

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## **Revising the North Atlantic current picture**

In a paper coming out of Woods Hole Oceanographic Institution it is proposed that a newly discovered North Icelandic Jet contributes to the Atlantic Meridional Overturning Circulation. while this attached picture does not show the new cold bottom current, the one on the Woods Hole site does. See link on WUWT site below.

<<http://wattsupwiththat.com/2011/08/21/currents-and-climate-still-not-settled/>>

<<http://www.whoi.edu/page.do?pid=78036>> and other papers on the WOI pages

The researchers used a numerical model to hypothesize where and how the NIJ is formed. "We've identified a new paradigm," he said. "We're hypothesizing a new, overturning loop" of warm water to cold.

The results, Pickart says, have "important ramifications" for ocean circulation's impact on climate. Climate specialists have been concerned that the conveyor belt is slowing down due to a rise in global temperatures. They suggest that increasing amounts of fresh water from melting ice and other warming-related phenomena are making their way into the northern North Atlantic, where it could freeze, which would prevent the water from sinking and decrease the need for the loop to deliver as much warm water as it does now. Eventually, this could lead to a colder climate in the northern hemisphere.

While this scenario is far from certain, it is critical that researchers understand the overturning process, he said, to be able to make accurate predictions about the future of climate and circulation interaction. "If a large fraction of the overflow water comes from the NIJ, then we need to re-think how quickly the warm-to-cold conversion of the AMOC occurs, as well as how this process might be altered under a warming climate," Pickart said.

"These results implicate local water mass transformation and exchange near Iceland as central contributors to the deep limb of the Atlantic Meridional Overturning Circulation, and raise new questions about how global ocean circulation

will respond to future climate change," said Eric Itsweire, program director in the U.S. National Science Foundation (NSF)'s Division of Ocean Sciences, which funded the research.

<[http://www.eurekalert.org/pub\\_releases/2011-08/whoi-ndi081811.php](http://www.eurekalert.org/pub_releases/2011-08/whoi-ndi081811.php)>

It was also observed that scientists that go out into the "field" to gather new data and discover new important facts to the debate contribute more than those sitting behind computers and that the North Atlantic Overturning behaviour is an important element in Northern Hemisphere climate.

afj ~~~~~

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**CliSci # 67 2011-08-10**

**There goes another "fingerprint" or does it?**

PROFESSOR MURRY SALBY is Chair of Climate, Macquarie University.

Judging by the speech he gave at the Sydney Institute, there's a blockbuster paper coming soon. It's not just that man-made emissions don't control the climate, they don't even control global CO2 levels.

Listen to the speech:

["Global Emission of Carbon Dioxide: The Contribution from Natural Sources"](#).

The live link should be on [joannenova.com](http://joannenova.com) (URL below)

*"Carbon dioxide is emitted by human activities as well as a host of natural processes. The satellite record, in concert with instrumental observations, is now long enough to have collected a population of climate perturbations, wherein the Earth-atmosphere system was disturbed from equilibrium. Introduced naturally, those perturbations reveal that net global emission of CO2 (combined from all sources, human and natural) is controlled by properties of the general circulation – properties internal to the climate system that regulate emission from natural*

*sources. The strong dependence on internal properties indicates that emission of CO2 from natural sources, which accounts for 96 per cent of its overall emission, plays a major role in observed changes of CO2. Independent of human emission, this contribution to atmospheric carbon dioxide is only marginally predictable and not controllable."*

On Joanne Nova's website a lively discussion has started (based on a AV record of Professor Salby's speech before the actual paper has been released!). All known CO2 problems come to the surface again, such as the source of CO2, the human-generated content, isotope markers and their origins, relevance, residence times, the Beck surface measurements.

In the end one is not so sure if Salby's conclusions stand on a firm basis.

<<http://joannenova.com.au/2011/08/blockbuster-planetary-temperature-controls-co2-levels-not-humans/>>

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### **Environment Canada cuts 11% staff**

Throughout the minority government Harper years, climate sceptics and other normally critical citizens have been asking themselves when the Conservative Government was going to come to grips with the steady stream of Anthropogenic Global Warming propaganda and alarmist scare stories that kept emanating from the Environment Canada Department.

For the longest time the EC website kept looking like it was in the Dion years and only recently some changes have started to be made.

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### **The Carbon Guilt of Fruits and Vegetables**

For one of the more useless research projects sponsored by NASA and carried out by the US Department of Energy's Pacific Northwest Laboratory see:

<<http://wattsupwiththat.com/2011/08/04/mapping-the-guilt-of-fruits-and-vegetables-out-of-state/>>

From the California Nuts and Fruits Department? Sufficient comment is provided by WUWT bloggers.

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### **The record temperatures in the US South, and the UHI**

Record-breaking July temperatures in Texas and the adjacent southern states in 2011 have brought out suggestions that AGW played a role in these July temperatures.

Despite these suggestions of AGW in the southern United States, the National Climatic Data Center U.S. Climate at a Glance webpage in the link at <<http://www.ncdc.noaa.gov/oa/climate/research/cag3/cag3.html>> includes figures that indicate the following:

"July temperatures across the South Region of the United States (Texas, Oklahoma, Kansas, Arkansas, Louisiana and Mississippi) have been trending downward slightly at a rate of 0.06 degrees F per decade since 1930, the beginning of the Dust Bowl period." and "at a rate of 0.47 degrees F per decade since 1998, [...but] July temperatures in San Antonio, Texas, Corpus Christi, Texas and Baton Rouge, Louisiana (the 3 South Region urban centers in the U.S. Climate at a Glance database with temperature records dating back to 1930) have all been trending upward since 1930. Urban Heat Island effects are major contributors to the recent-record breaking July temperatures in the South Region of the United States."

*( condensed from a CS posting by Ken Schlichte, with thanks )*

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### **Solar cycle 24: The Doldrums continue.**

Anthony Watts has a series of solar cycle and magnetic activity graphs that show that SC 24 is just "bumping along".

<<http://wattsupwiththat.com/2011/08/09/latest-solar-cycle-numbers-the-doldrums-continue/>>

The sun's performance is getting closer to what has been the preamble for the Dalton Minimum.

<<http://www.swpc.noaa.gov/SolarCycle/sunspot.gif><http://www.swpc.noaa.gov/SolarCycle/sunspot.gif>>

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A very interesting presentation (49 slides) was made last month at the Melbourne IUGG/IAGA meetings by Cliver, Svalgaard and Schatten. They give a history of SC determinations by a variety of observers (including a reconstruction to Roman times), using different counting methods and different solar activity expressions. As for the Dalton minimum, look at slide 12 and be aware of how much interpretations change with time. A fascinating paper, I think.

<<http://www.leif.org/research/History%20and%20Calibration%20of%20Sunspot%20Numbers.pdf>>

Abstract:

*The sunspot number (SSN) record (1610-present) is the primary time sequence of solar and solar-terrestrial physics, with application to studies of the solar dynamo, space weather, and climate change. Contrary to common perception, and despite its importance, the international sunspot number (as well as the alternative widely-used group SSN) series is inhomogeneous and in need of calibration. We trace the evolution of the sunspot record and show that significant discontinuities arose in ~1885 (resulting in a ~50% step in the group SSN) and again when Waldmeier took over from Brunner in 1945 (~20% step in Zürich SSN). We follow Wolf and show how the daily range of geomagnetic activity can be used to maintain the sunspot calibration and use this technique to obtain a revised, homogeneous, and single sunspot series from 1835-2011.*

afj ~~~~~

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**CliSci # 66 2011-07-28**

**Nir Shaviv's Berlin lecture**

Last December Nir Shaviv gave a 30 minute lecture at the EIKE Conference in Berlin.

His material included primarily those solar and galactic factors that play a role in our planetary climate and climate change and which have been ignored by the IPCC from the beginning. Towards the end he introduces the argument of a lower sensitivity of climate and how models of IPCC simulation predictions and realities play out in such a case *with* the addition of the various solar and galactic factors.

<<http://www.youtube.com/watch?v=L1n2oq-Xlxl&feature=related>>

Watch for his chart of correlation between Solar Flux and Sea Level change rate.-----

### **"The great dying of Thermometers"**

An ex-(retired) Environment Canada employee throws some light on the sudden "disappearance" around 1990 of the temperature data of the greater part of Canadian weather stations from the GISS records. As Tim Ball has pointed out before, Eureka, a spot in the Arctic with - unfortunately - its own micro-climate is not representative of this large and critical region and is now the only data point used by GISS.

<<http://wattsupwiththat.com/2011/07/24/the-great-dying-of-thermometers-helping-giss-find-the-undead-thermometers-complete-with-code/>>

An extensive comment by Tim Ball appeared on this blog on July 24 at 12:14 pm

### **Alfvénic waves power coronal heat of several millions degrees K.**

A new NASA study sheds fresh light on the Sun, potentially explaining how vast amounts of energy are transferred from its surface to its outer atmosphere, the corona. The findings could also help to explain the origins of the solar wind, which bombards the rest of the solar system with streams of charged particles. The temperature of the solar surface itself is thought to be a "mild" 6000 K. Again, there is more to solar effects than TSI.

<<http://physicsworld.com/cws/article/news/46726>>

### **Loehle and Scafetta re-examine the attribution Climate Change**

Craig Loehle and Nicola Scafetta are looking at the climate change problem using empirical decomposition. They establish the pre-1950 behaviour on the basis of Hadley data and the historic 60 and 20 year cycles and project these into the 1950-2010 period. The gap between this curve and the post 1950 actual temperatures is 0.66°C/Century and assumed to be due to a variety of human influences, such as urbanisation, land use change and anthropogenic emissions.

They suggest that because current models underestimate the strength of natural multi-decadal cycles in the temperature records, the anthropogenic contribution to climate change since 1850 should be less than half of that previously claimed by the IPCC. About 60% of the warming observed from 1970 to 2000 was very likely caused by the above natural 60-year climatic cycle during its warming phase.

They think the 21st century forecast will be 3.5 times smaller than the 2.3 °C/Century AGW projected by the IPCC.

Download from <<http://www.benthamscience.com/open/toascj/openaccess2.htm>>

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## **Spencer and Braswell discuss new NASA data which challenge IPCC models Temp increases**

*James Taylor writes in Forbes:*

NASA satellite data from the years 2000 through 2011 show the Earth's atmosphere is allowing far more heat to be released into space than alarmist [computer models](#) have predicted, reports a new study in the peer-reviewed science journal *Remote Sensing*. The study indicates far less future global warming will occur than United Nations computer models have predicted, and supports prior studies indicating increases in atmospheric carbon dioxide trap far less heat than alarmists have claimed.

Study co-author Dr. Roy Spencer reports that real-world data from NASA's Terra satellite contradict multiple assumptions fed into alarmist computer models. "The satellite observations suggest there is much more energy lost to space during and after warming than the climate models show," [.....] "There is a huge discrepancy between the data and the forecasts that is especially big over the oceans."

In addition to finding that far less heat is being trapped than alarmist computer models have predicted, the NASA satellite data show the atmosphere begins shedding heat into space long before United Nations computer models predicted.

The new NASA Terra satellite data are consistent with long-term NOAA and NASA data indicating atmospheric humidity and cirrus clouds are not increasing in the manner predicted by alarmist computer models. The Terra satellite data also support data collected by NASA's ERBS satellite showing far more longwave radiation (and thus, heat) escaped into space between 1985 and 1999 than alarmist computer models [had predicted](#). Together, the NASA ERBS and Terra satellite data show that for 25 years and counting, carbon dioxide emissions have directly and indirectly trapped far less heat than alarmist computer models have predicted.

<[http://www.mdpi.com/search/?q=misdiagnosis&s\\_journal=remotesensing&s\\_volume=3&s\\_authors=Spencer&s\\_section=&s\\_issue=&s\\_article\\_type=&s\\_special\\_issue=&s\\_page=1603&s\\_search=Search](http://www.mdpi.com/search/?q=misdiagnosis&s_journal=remotesensing&s_volume=3&s_authors=Spencer&s_section=&s_issue=&s_article_type=&s_special_issue=&s_page=1603&s_search=Search)>

afj ~~~~~

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**ClSci # 65 2011-07-18**

### **Solar update**

Anthony Watts' blog carries a post by Perth-based solar observer David Archibald, which contains a number of graphs worth studying.

The Ap index (geomagnetic activity) shows a distinct drop in current SC 24, below the level of previous solar cycles.

This is also shown in the solar flux comparisons with cycles 18 to 24, as well as in the Interplanetary magnetic field.

His point is to emphasise the parallel with the behaviour of solar cycles 3 to 5 (200 years ago) which started the Dalton minimum.

<<http://wattsupwiththat.com/2011/07/09/solar-activity-report-the-sun-is-still-in-a-funk/>>

Keep track of the Sun on Anthony's <<http://wattsupwiththat.com/reference-pages/solar/>>

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**The MET Office** has to come to terms with reality. But pay attention to the last three words in this article in the Financial Times magazine: They have not lost faith!

*"We now believe that [the solar cycle] accounts for 50 per cent of the variability from year to year," says Scaife. With solar physicists predicting a long-term reduction in the intensity of the solar cycle – and possibly its complete disappearance for a few decades, as happened during the so-called Maunder Minimum from 1645 to 1715 – this could be an ominous signal for icy winters ahead, despite global warming.*

< <http://www.ft.com/cms/s/2/35145bee-9d38-11e0997d00144feabdc0.html#ixzz1RacNghPj> >

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### **Observations of nucleation of new particles in a volcanic plume**

It is easy to dismiss the influence on climate of even large volcanic eruptions as being of a temporary nature. Four researchers from universities in France conclude in a paper just published in PNAS that volcano aerosols may be underestimated.

Apparently they find that there's a secondary nucleation particle mechanism and say: "*...we report the first observation of nucleation and new secondary particle formation events in a volcanic plume*"

< <http://wattsupwiththat.com/2011/07/11/new-study-suggests-that-the-volcanic-impact-on-climate-may-be-significantly-underestimated/> >

Essentially, they analyzed how many secondary particles this ash generated as it reacted with the atmospheric chemistry of the atmosphere. They found that particles created from the eruptions were mostly composed of sulfuric acid, but as a consequence of the atmospheric reactions, especially at lower than previously considered altitudes, they grew over time, multiplying the effect. This new paper was in the [PNAS early edition this week](#).

#### *Abstract*

Volcanic eruptions caused major weather and climatic changes on timescales ranging from hours to centuries in the past. Volcanic particles are injected in the atmosphere both as primary particles rapidly deposited due to their large sizes on time scales of minutes to a few weeks in the troposphere, and secondary particles mainly derived from the oxidation of sulfur dioxide. These particles are responsible for the atmospheric cooling observed at both regional and global scales following

large volcanic eruptions. However, large condensational sinks due to preexisting particles within the plume, and unknown nucleation mechanisms under these circumstances make the assumption of new secondary particle formation still uncertain because the phenomenon has never been observed in a volcanic plume. In this work, we report the first observation of nucleation and new secondary particle formation events in a volcanic plume. These measurements were performed at the puy de Dôme atmospheric research station in central France during the Eyjafjallajökull volcano eruption in Spring 2010. We show that the nucleation is indeed linked to exceptionally high concentrations of sulfuric acid and present an unusual high particle formation rate. In addition we demonstrate that the binary H<sub>2</sub>SO<sub>4</sub> - H<sub>2</sub>O nucleation scheme, as it is usually considered in modeling studies, underestimates by 7 to 8 orders of magnitude the observed particle formation rate and, therefore, should not be applied in tropospheric conditions. These results may help to revisit all past simulations of the impact of volcanic eruptions on climate.

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### **Oh, Irony!**

Germany To Fund New Coal Plants With Climate Change Fund Cash.

The German government wants to encourage the construction of new coal and gas power plants with millions of euros from a fund for promoting clean energy and combating climate change. <<http://www.thelocal.de/national/20110713-36277.html>>

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### **Results from CERN's cloud experiments(?)**

Following Henrik Svensmark's experiments in the cloud chamber in his Copenhagen basement, everyone is waiting with anticipation for Geneva's CERN accelerator to confirm the cloud seeding and climate change consequences with carefully controlled experiments of its own. The Director General of CERN, Dr Rolf-Dieter Heuer allowed to be on an interview with *Welt Online* that the results will be published shortly. He adds: "I have asked the colleagues to present the results clearly, but not to interpret them. That would go immediately into the highly political arena of the climate change debate. One has to make clear that cosmic radiation is only one of many parameters."

<<http://www.welt.de/wissenschaft/article13488331/Wie-Illuminati-den-Cern-Forschern-geholfen-hat.html>>

Adds Svensmark's co-author Nigel Calder:

Four quick inferences:

- 1) The results must be favourable for Svensmark or there would be no such anxiety about them.
- 2) CERN has joined a long line of lesser institutions obliged to remain politically correct about the man-made global warming hypothesis. It's OK to enter "the highly political arena of the climate change debate" provided your results endorse man-made warming, but not if they support Svensmark's heresy that the Sun alters the climate by influencing the cosmic ray influx and cloud formation.
- 3) The once illustrious CERN laboratory ceases to be a truly scientific institute when its Director General forbids its physicists and visiting experimenters to draw the obvious scientific conclusions from their results.
- 4) The resulting publication may be rather boring.

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### **The manipulators**

I am going to stay out of the disclosures presently the flavour of the day in the UK, except to say that of the many parties that have been dealing with Rupert Murdoch and his empire, the Go-To "Outside Organisation" has been involved in various acts of skullduggery with several of them, which does include a Spinmeister contract from the University of East Anglia to repair, bury, contradict and distort the damage caused by "ClimateGate".

See Steve McIntyre's [Climateaudit.org](http://climateaudit.org)  
<<http://climateaudit.org/2011/07/14/covert-operations-by-east-anglias-cru/>> and Anthony Watts'

<<http://wattsupwiththat.com/2011/07/14/one-more-reason-to-distrust-cru-and-uea-their-hired-spinmeister-was-arrested-in-the-news-of-the-world-phone-hack-scandal/>>

For one thing, you will not find much in your daily newspaper on it. (*Editor*)

afj ~~~~~

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***CliSci # 64 2011-07-07***

***Nature magazine on guard***

A recent *Nature Climate Change* issue is full of the climate change catechism, tipping points an SOS, warnings about complacency, dire warnings and an appeal to the insurance industry to get on board. It provides some idea why a skeptic would not make it onto its pages.

But what happened to science principles?

Following is the issue's Editorial

<[http://www.nature.com/nclimate/journal/v1/n4/full/nclimate1166.html?WT.ec\\_id=NCLIMATE-201107](http://www.nature.com/nclimate/journal/v1/n4/full/nclimate1166.html?WT.ec_id=NCLIMATE-201107)>

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**Correlations observed**

In this post on WUWT Paul Vaughan shows correlations between Cosmic Rays, Terrestrial Angular Momentum and the Length of Day, following the work by Le Mouél *et al* (2010), mentioned before in this Newsletter.

The post contains a number of useful references and comments

<<http://wattsupwiththat.com/2010/12/23/confirmation-of-solar-forcing-of-the-semi-annual-variation-of-length-of-day/>>

One is reminded that received CR intensity is inversely correlated with solar flux which is related to the sunspot cycle and that cloud cover, zonal terrestrial winds and possibly oceanic oscillations are also players in and results of this process.

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## Senate of Canada

The following short speech was delivered in the Canadian Senate on June 26th by Senator Nancy Greene Raine (yes, Canada's Olympic Ski Champion). Nancy has been a long-time supporter of sceptic views on the climate hypotheses.

<[http://www.parl.gc.ca/Content/Sen/Chamber/411/Debates/012db\\_2011-06-26-e.htm#](http://www.parl.gc.ca/Content/Sen/Chamber/411/Debates/012db_2011-06-26-e.htm#)>

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## The great Warmist Geological Society of London.

Under the above subject title we received from one of its members the announcement of the creation of the "Environmental Network" of the Geological Society of London. The GeoSoc's July issue mentions belatedly that earth scientists have a role to play in the Climate debate.

After giving a credible, albeit it selective account of climate change and its natural causes over geologic time, it follows the IPCC WG1 mantra when it comes to the Holocene. Suddenly the solar influences are too small and the CO2 change *after* Temperature is noted, but explained with the IPCC's usual excuse of belated positive feedback.

In that way the GeoSoc comes to diametrically different conclusions than we do. There is no mention of any sceptic views.

It supports the CO2 hypothesis, is fully in agreement with the reduction of its emission, and thereby in concert with *Nature* (see above), the IPCC and Mr Cameron's government policy. The latter is now showing its severe economic repercussions and voter discontent, as well documented in several recent issues of Dr Benny Peiser's GWPF news letter (<http://www.thegwpf.org>)

*(tip of the hat to Peter Z.)*

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## Economist: The ICC's Climate of conflict

Even the Economist is getting restless about the continuing scandals involving the Panel. It notes Steve McIntyre (scantily described as "a blogger") as exposing

Greenpeace's Teske as an expert author (prefaced by Chairman Pachauri no less) making absurd predictions about the effectiveness of "renewables", as well as the involvement of Christian Kjaer, boss of a wind power lobbying group, as an editor of the reports.

<<http://www.economist.com/node/18866905/print>>

Now, it is not that the Economist takes the next step and investigates the energy supply claims of the renewables in terms of rated capacity versus effective output (<25% for wind power); it merely suffices to admonish the IPCC and its Chairman to be more careful with his authors' groupthink and more expedient in creating a conflict of interest policy.

afj ~~~~~

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***ClSci # 63 2011-06-26***

### **The coming winter in the SH**

The last time it snowed in Buenos Aires was in 2007, but one has to go back another 89 years to 1918 for the previous B.A. snowfall.

Their Servicio Meteorológica Nacional predicts the coldest winter in a decade to start by the end of next week.

<<http://www.infobae.com/notas/589069-Sera-el-invierno-mas-frio-de-la-ultima-decada-y-volveria-a-nevar-en-Capital.html>>

*(Thanks, Eduardo)*

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### **Probing the Sun**

A month ago solar physicist Professor de Jager addressed a 'mini-symposium' organised by the Netherlands Astronomical Society. In his talk he summarized the research of the past few years by (Duhau, van Geel and de Jager) on sun-climate relationships and on the near future of solar activity. It can be seen and heard at <[www.cdejager.com/film](http://www.cdejager.com/film)> ; after a brief section about glacial periods he delves into the make up of our star and the electromagnetic workings of its dynamo; in fact a dynamo with a toroidal and a poloidal field. He makes the connection to the earth climate and some predictions about the Grand Minimum. Don't miss the video of

this talk.

He writes:

*Essentially my talk consisted of 6 parts:*

- *Mentioning the complicated role of positive water vapour feedback in atmospheric physics.*
- *Giving a simplified description of the solar dynamo and its two main magnetic field components.*
- *Quantifying the long-term relations between the two fields and the earth's average surface temperature:  $(dT/dt)_{\text{equat}} = 0.077 \text{ K/century}$ ;  $(dT/dt)_{\text{polar}} = 0.040 \text{ K/century}$ ; non-solar =  $0.051 \text{ K/century}$  (2010 paper)*
- *Finding the smoothed residual: 0.31 K in 1999 (2010 paper)*
- *Forecasting that the maximum of the present 11-years cycle (#24) will be low (sunspot number ~ 58) and will be reached around 2014 (2009 and 2010 papers).*
- *Forecasting that a Grand Minimum, similar to the Maunder one, will start after cycle 24 (2009 and 2010 papers)*

*The papers on which this review is based may be consulted at [www.cdejager.com](http://www.cdejager.com). Please go there to the page 'Sun-earth publications'*

*C. (Kees) de Jager.*

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**More on the Berlin PIK/EIKE conference:**

*"Leading German Meteorologist: Michael Mann's Sea Level Story Is "A Quack" "*

From <http://notrickszone.com> comes an English translation of the report by retired meteorologist Klaus-Eckart Puls on the discussions regarding the IPCC's claim of acceleration of sea level rise. All German language slides have English translations provided.

<<http://notrickszone.com/2011/06/23/leading-german-meteorologist-michael-manns-sea-level-story-a-quack/>>

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## "Is the PDO real or a skeptic Invention?"

asks Joe d'Aleo in <<http://icecap.us>>

He concludes that:

"Modelers and warmists will never admit to the PDO existence or importance as it would provide an alternative reason for the warming during the period from 1977 to 1998. They have staked out the position that the warming entirely man-made, to keep their gravy train of funding going. They do the same for solar. Mann's recent claim that man's induced warming is 20 times more important than solar is laughable."

< [http://icecap.us/index.php/go/new-and-cool/is\\_the\\_pdo\\_real\\_or\\_a-skeptic\\_invention/](http://icecap.us/index.php/go/new-and-cool/is_the_pdo_real_or_a-skeptic_invention/)>

afj ~~~~~

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**ClSci # 62 2011-06-17**

## Sun's Fading Spots signal big Drops in Solar Activity

At <<http://www.space.com/11960-fading-sunspots-slower-solar-activity-solar-cycle.html>> you will find a very high resolution photograph of a May 2010 sunspot, accompanying an article by [space.com](http://www.space.com) staff writer Denise Chow, in which she reports on three papers presented at the AAS' Solar Physics division's meeting at Los Alamos NM a few days ago.

Solar activity is weakening. The studies looked at a missing jet stream in the solar interior, fading sunspots on the sun's visible surface, and changes in the corona and near the poles.

Some solar pictures at

<<http://www.space.com/11842-photos-sunspots-sun-solar-cycle-weather.html>>

and the Economist in the current print edition (16/6):

<<http://www.economist.com/node/18833483/print>>

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### **Professor deJager predictions "rediscovered"**

Reporting on the above mentioned AAS meeting and Dr. Hill's paper, recent U.S. press releases state that the sun will enter a period of prolonged inactivity in about ten years; we will see little or no sunspots, nor solar flares, or explosions .... This is offered as a new discovery and has failed to report that this expectation was published several years ago in the scientific literature by astronomers Kees De Jager and Sylvia Duhau. See:

<<http://www.cdejager.com/sun-earth-publications/>>

On his site Kees states: "Finally in early 2011, the new 11-year solar cycle number (24) began after three years of silence. This happened some years later than expected under the 'normal' behavior of solar cycles. Based on the measured magnetic field at the poles several years ago, we could predict that cycle (24) would be weak, weaker than we had experienced the last century. We also reported that two large magnetic fields of the Sun in 2009 passed the Transition Point in the phase diagram of the Grand Episodes of solar activity, which means that a new Grand Episode in main solar activity had started. The previous passage was in 1924 and rang in the beginning of the exceptional Grand Maximum of the 20th century. The new episode will be a deep minimum. It will look similar to the Maunder Minimum, which lasted from 1620 to 1720. This new Grand Minimum will last until approximately 2100."

<<http://www.cdejager.com/2011/06/16/komend-groot-minimum-in-zonsactiviteit/>>

See also David Archibald's post on <<http://wattsupwiththat.com/2010/02/02/solar-cycle-24-update/>> ,

which shows comparisons with the beginning of the Dalton minimum 114 years ago.

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### Quarterly Report of the 'Friends of Science Society'

The recently issued 30th Quarterly Newsletter of the Society since early 2003 provides highlights of its 9th AGM as well of some science news items of interest, among which Ken Gregory's short discussion of the reasons why the IPCC's theory of reduction of outgoing long wave radiation, related to the presumed human-caused global warming, does not stand up to scrutiny. He also discusses some results of ongoing cosmic ray experiments by Henrik Svensmark at his Aarhus laboratory. Evaporation by solar warming and CR seeding of condensation nuclei to form reflecting cloud cover is one of the planet's natural thermostats.

(Interestingly, while the "warmers" community will pay little heed to Svensmark's theory of aerosol nucleation - leading to increased cloud cover - recent extreme plans for geo-engineering use the same principle to advocate particle seeding in the atmosphere to artificially reflect solar heat. Hmmmm, wouldn't that be polluting?

Anyway, these geo-engineers request more grants from IPCC to investigate further schemes like mirrors in the sky.)

<[http://www.friendsofscience.org/assets/files/documents/2011\\_June\\_Newsletter.pdf](http://www.friendsofscience.org/assets/files/documents/2011_June_Newsletter.pdf)>

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### The hijacking of the American Meteorological Society (and of its Canadian CMOS equivalent, I might say.)

Colorado State U Emeritus Professor William Gray attacks the Society of which he has been a member for 50 years. He says :

"We AMS members have allowed a small group of AMS administrators, climate modelers, and CO2 warming sympathizers to maneuver the internal workings of our society to support AGW policies irrespective of what our rank-and-file members might think. **This small organized group of AGW sympathizers has indeed hijacked our society.**"

The post in WUWT says it all.

<<http://wattsupwiththat.com/2011/06/16/on-the-hijacking-of-the-american-meteorological-society-ams/>>

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***CliSci # 61 2011-06-04***

**MET OFFICE researcher: "Observational evidence is not very useful"**

The *Mail on Sunday's* David Rose attended the Cambridge conference earlier this month where a discussion of sorts took place between warmers and sceptics. He raised with John Mitchell, Principal Research Fellow at the Met Office the remarks by CRU Director Phil Jones that, in surprising contrast to what computer models were predicting 20 years ago, there has been 'no statistically significant warming' since 1995.

Mr Mitchell, when asked how long this would have to continue, despite uninterrupted increases in the level of CO<sub>2</sub>, before he would start to question the validity of the models and the theory of man-made warming that they underpin, sounded peculiarly unscientific. He implied it would take a lot more than the absence of actual warming to shake his faith. *'People underestimate the power of models. Observational evidence is not very useful,' he said. 'Our approach is not entirely empirical.'*

That's the Principal Research Fellow at the UK Met Office speaking..... Does he then consider Meteorology a Science?

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**Temperature bias at the Dutch Meteorological Institute**

[Wattsupwiththat.com](http://wattsupwiththat.com) reports on an investigation of siting problems at one of the country's most important measuring sites:

<<http://wattsupwiththat.com/2011/05/18/temperature-related-siting-bias-at-the-dutch-meteorological-institute/>>

*WUWT first reported on the issues with the KNMI De Bilt weather station in October*

2009 [here](#). About that time, Dr. Pielke Sr. and I were given access to a KNMI [preliminary report](#) on the siting and subsequent bias problems at De Bilt, but we decided to wait until the final report was available before saying anything about it. Those waiting on GMU/Wegman take note – universities move like molasses, chill. Why is this station important? It just so happens that KNMI De Bilt is the only station in the Netherlands used for NASA GISTEMP, and now it has been shown to have problems related to siting.

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## "Solar wobble" and the Global Cooling

Ivanka Charvátová, Professor at the Prague Geophysical Institute at the Czech Academy of Science, has been mentioned before in these newsletters. Under her maiden name she published her thoughts about Solar Inertial Motion as early as 1987:

### JAKUBCOVA, I | PICK, M: **Correlation between solar motion, earthquakes and other geophysical phenomena**

*Annales Geophysicae, Series B-Terrestrial and Planetary Physics. Vol. 5, pp. 135-141. Apr. 1987*

The sun moves at different distances round the barycenter of the solar system with different velocities depending on the distribution of the planets. The mean period of 11.8622 years of the sun's motion round the barycenter and its time variability were observed. A relation between the basic period of 178.4 years and other periods  $p_i$  in the sun's motion ( $p_i = 178.4/i$ ;  $i = 1, 2, \dots$ ) was found. The periods in the sun's motion were assigned to the periods in different solar-terrestrial phenomena. The surprising coincidence of all these periods indicates that the dynamics of the planetary system governs solar-terrestrial phenomena.

Although her publication caught the eye of the late Rhodes Fairbridge, it was not until 20 years later that her research and articles received wider attention. John O'Sullivan ([suite101.com](http://suite101.com)) reviews the importance of her work.

<<http://john-o-sullivan.suite101.com/top-scientist-says-new-solar-wobble-to-prolong-global-cooling-a373733>>

Of course, John is no slouch himself. He co-coordinated, co-authored and published the science book, "[Slaying the Sky Dragon: Death of the Greenhouse Gas Theory](#)", a two-volume best seller he co-wrote with 22 leading climate researchers. The e-book or print version are a bargain: <[www.slayingtheskydragon.com](http://www.slayingtheskydragon.com)>

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### **Sunspot Activity since 1700** (courtesy [climate4you.com](http://climate4you.com))

<<http://sidc.oma.be/>>

Annual sunspot activity since 1700 according to the [Solar Influences Data Analysis Center](#) (SIDC). The blue line shows annual values, red line shows the running 11 yr average. Last year shown: 2010. Last diagram update: 5 February 2011.

- For really up-to-date solar behaviour go to <[www.solarham.com](http://www.solarham.com)>, formerly "solarcycle24"
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### **About *Nature* magazine and the AGW**

*Nature* magazine, having been accused of suppressing research articles critical of the IPCC's dogma, founded a specialty section called *Nature Climate Change* with the purpose to give wider views a space in their publications.

Have they really done so? Have a look at the latest Editorial of *Nature Climate Change*.

Said Sawyer: "tiger does not lose its stripes".

<[http://www.nature.com/nclimate/journal/v1/n3/full/nclimate1141.html?WT.ec\\_id=NCLIMATE-201106](http://www.nature.com/nclimate/journal/v1/n3/full/nclimate1141.html?WT.ec_id=NCLIMATE-201106)>

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## **Global Warming is só passé. Let's gear up for the Global Water Crisis**

Twenty former heads of state, including former US president Bill Clinton, warned Tuesday of an impending "water crisis" and agreed to establish a panel that will tackle a worldwide leadership gap on the issue.

The retired leaders, among them ex-Mexican president Vicente Fox and former Japanese prime minister Yasuo Fukuda, said the panel would work to raise the issue's political prominence in order to avert looming problems with worldwide water supply.

Members of the InterAction Council attending this year's three-day annual meeting in Quebec City also included former Mexican leader Ernesto Zedillo and Gro Brundtland of Norway.

The group urged a new international water ethic and offered 21 recommendations for world water management.

At the top of the list: "placing water at the forefront of the global political agenda."

Others items included linking climate change research and water problems, creating a legal right to water, and raising the price of water to reflect its economic value.

In areas where water is rationed, the priority should be for food crops and not bio-fuels, said the group, whose co-chairs were former Canadian prime minister Jean Chretien and one-time Austrian chancellor Franz Vranitzky.

Although there is a plentiful water supply in Quebec, it is an especially topical subject after Quebec space tourist Guy Laliberte, the billionaire founder of Cirque du Soleil, dedicated his 2009 visit to the International Space Station to raising awareness of international water issues.

(c) 2011 AFP From: <[www.physorg.com/news/](http://www.physorg.com/news/)> June 1, 2011

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***ClSci # 60 2011-05-21***

## **The TIM and TOM team stars on Talk Radio in Ottawa**

Paleoclimatology Professor Tim Patterson and ClimateScienceInternational (ICSC) Executive Director Tom Harris filled two hours of the late night show on CFRA on May 12th with incisive comment on resp. the science and the policy of our favourite subject.

The evening ended with the destruction of David Suzuki, helped along by an enthusiastic moderator/host. Here's the podcast.

<<http://proxy.autopod.ca/podcasts/chum/20/3648/may12.mp3>>

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## **Khandekar on Sea Level Rise**

Professor Roger Pielke Sr invited Madhav Khandekar to post his comments on Sea Level Rise.

Extracted from Dr Pielke's website.

<<http://pielkeclimatesci.wordpress.com/2011/05/11/guest-weblogpost-commentary-on-'sea-level-rise'-by-madhav-khandekar/>>

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## **PIK-EIKE colloquium**

Dr Ziegler forwards a link to a report on the joint colloquium on Climate Research, held on April 20th by EIKE (Europäisches Institut für Klima und Energy) and PIK (Potsdam Institut für Klimaforschung). Its "Protocol" can be accessed via

<<http://www.eike-klima-energie.eu/news-anzeige/protokoll-pik-eike-wissenschaftliches-kolloqium-vom-20411/>>.

"PIK" is the German centre of IPCC research, with Prof Rahmstorf in the lead, while "EIKE" is an independent body which studies climate and energy. Look at:

<<http://www.eike-klima-energie.eu/fachbeirat/>> to find a good number of well-known international climate sceptics on its Advisory Board.

The so-called Protocol makes very interesting reading, particularly in terms of the PIK response to EIKE's critical remarks on conventional climate science. After an introduction by PIK, several EIKE presentations are abstracted, with discussions, and PDFs of the presentations provided. More than 100 blog-type comments follow.

*Addendum* - An English translation is now available:

<<http://notrickszone.com/2011/05/18/skeptics-and-alarmists-clash-at-climate-conference-german-scientists-call-pik-scientific-position-weak/>>

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### **Is the British government masochistic and proud of it?**

While Tata Steel decided that the UK accumulation of green taxes forced it to mothball or close part of its British steel-making capacity which would lay off 1500 workers, an independent report estimates that the UK "Green Energy drive will send £ 60 billion and 600,000 up in smoke".

*Says Nigel Lawson in the 21/5 Financial Times:*

The government likes to boast, as did its Labour predecessor which launched this foolish policy, that the UK is the only country in the world that has imposed severe and legally binding carbon reduction requirements on its economy. The claim is correct; but why the government should boast about it is puzzling, since the reason why the UK is the only country to do this is that no other country wishes to incur such pointless self-inflicted economic harm.

*See also Terence Corcoran in the 21/5 National Post*

< <http://opinion.financialpost.com/2011/05/20/terence-corcoran-u-k-%E2%80%99s-phony-war-on-carbon-emissions/> >

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## **The problem with GOOGLE bias**

This piece in Steve Milloy's "Junkscience" reports on the bias built into the Google search engine's algorithms which leads the searcher to "credible sites" (read IPCC sanctioned) for climate science rather than sceptics' entries.

<<http://junkscience.com/2011/05/20/climate-cleansing-google-to-censor-skeptics/>>

Of course, then there is always "Bing".

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***CLiSci # 59 2011-05-10***

## **Climate Science at the GAC/MAC**

<<http://www.gacmacottawa2011.ca/>>

The annual conference of the Geological Association of Canada/Mineralogical Association of Canada will take place later this month (25-27/5) at the University of Ottawa.

A symposium entitled "Earth climate: past, present and future" has been organised by Dr Andrew Miall and will run from Thursday morning till Friday noon.

Ian Plimer, Neil Hutton, Henrik Svensmark, Norm Kalmanovitch and Jan Veizer will lead things off in the first morning session.

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## **Arctic environment by mid 21st century**

Nils-Axel Mörner has published a paper in E&E V.22/3 in which he predicts a solar minimum and a new Little Ice Age by 2040 and links it to solar variation, oceanic

currents and the earth' rotation. He ties the rotation deceleration and acceleration to resp. solar maxima and minima which affect the Solar Wind and Arctic/North Atlantic currents which in turn affect temperatures in cooperation with Svensmark CR cloud mechanism.

But note, that he projects the opposite for North Africa and Gibraltar-South.

In his [solar-based "Little Ice Age" prediction](#) he is joined by Harrara, Abdassamatov, Scafetta and Easterbrook. He ends with: *This conclusion is completely opposite to the scenarios presented by IPCC (2001, 2007) as illustrated in Figure 3. With "the Sun in the centre", no other conclusion can be drawn, however.*

It may seem that some fleshing out of various suggestions in the paper would be welcomed. A lot has been written about the Solar/Earth Connection that asks to be integrated into Mörner's concept. I would also love to hear what Paul Vaughan has to say about this.

Furthermore, Mörner's hypothesis focuses on the North East Atlantic. The Little Ice Age, however, was global (Baliunas, Soon, Idso and others).

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### **Update on Climate Change lawsuits by John O'Sullivan**

In ICECAP John O'Sullivan summarises recent developments on pending and planned law suits and assures us with:

*"Best of luck to Dr. Ball in the battle against nuisance cases brought by Drs Weaver and Mann. In discovery, the whole house of cards that is 'AGW' will be exposed and will collapse".*

<[http://icecap.us/index.php/go/icing-the-hype/climate lawsuits heading for defeat say top legal experts/](http://icecap.us/index.php/go/icing-the-hype/climate_lawsuits_heading_for_defeat_say_top_legal_experts/)>

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## Scafetta on the celestial origin of Climate Oscillations

Nicola Scafetta wrote an important paper in the Journal of Atmospheric and Solar-Terrestrial Physics reviewing the various natural influences on earth climate.

Judith Curry's blog makes the paper available and provides a lively discussion.

<<http://judithcurry.com/2011/04/14/scafetta-on-climate-oscillations/#comment-62201>>

*Scafetta's paper:* <<http://www.fel.duke.edu/~scafetta/pdf/scafetta-JSTP2.pdf>>

If you think the text gets too heavy, just read the Conclusions (section 7) in which he summarises (in part) :

( ..... It is evident that we can still infer, by means of a detailed data analysis, that the solar system likely induces the climate oscillations, although the actual mechanisms that explain the observed climate oscillations are still unknown. If the true climate mechanisms were already known and well understood, the general circulation climate models would properly reproduce the climate oscillations. However, we found that this is not the case. For example, we showed that the GISS ModelE fails to reproduce the climate oscillations at multiple time scales, including the large 60-year cycle. This failure is common to all climate models adopted by the IPCC (2007) as it is evident in their figures 9.5 and SPM.5 that show the multi-model global average simulation of surface warming. This failure indicates that the models on which the IPCC's claims are based are still incomplete and possibly flawed.

The existence of a 60-year natural cycle in the climate system, which is clearly proven in multiple studies and herein in Figs. 2, 6, 10 and 12, indicates that the AGWT promoted by the IPCC (2007), which claims that 100% of the global warming observed since 1970 is anthropogenic, is erroneous. In fact, since 1970 a global warming of about 0.5 1C has been observed. However, from 1970 to 2000 the 60-year natural cycle was in his warming phase and has contributed no less than 0.3 1C of the observed 0.5 1C warming, as Fig. 10B shows. Thus, at least 60% of the observed warming since 1970 has been naturally induced. This leaves less than 40% of the observed warming to human emissions. Consequently, the current climate models, by failing to simulate the observed quasi-60 year temperature cycle, have significantly overestimated the climate sensitivity to anthropogenic GHG emissions by likely a factor of three. Moreover, the upward trend observed in the temperature data since 1900 may be partially due to land change use, uncorrected urban heat island effects (McKittrick and Michaels, 2007; McKittrick, 2010) and to the bi-secular and millennial solar cycles that reached their maxima during the last decades (Bond et al., 2001; Kerr, 2001; Eichler et al., 2009; Scafetta, 2010).

Solomon et al. (2010) recently acknowledged that stratospheric water vapor, not just anthropogenic GHGs, is a very important climate driver of the decadal global surface climate change. Solomon et al. estimated that stratospheric water vapor has largely contributed both to the warming observed from 1980 to 2000 (by 30%) and to the slight cooling observed after 2000 (by 25%). This study reinforces that climate change is more complex than just a response to added CO2 and a few other anthropogenic GHGs. ....)

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## Parallels

One may kill more opponents with ridicule than with science, unfortunately.

<<http://www.tomnaughton.com/?p=443>>

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## Are the winters getting colder?

Winter temperatures in the USA have been declining since the year 2000, as [this graph](#) shows.

<[www.friendsofscience.org/assets/documents/CliSci/USA\\_winter.jpg](http://www.friendsofscience.org/assets/documents/CliSci/USA_winter.jpg)>

*(Graph courtesy Ken Gregory)*

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## Where is World Climate Going?

It is a question that the Finnish Astrophysicist Timo Niroma posed early last year before his untimely death.

Kirt Griffin unearthed the following illustrations of parallel development of sunspot Wolff numbers.

<<http://www.personal.eunet.fi/pp/tilmari/tilmari6.htm#chart>> ,

with a more colourful version on Eduardo Ferreyra's website

<[http://www.mitosyfraudes.org/calen13/sol\\_debil.html](http://www.mitosyfraudes.org/calen13/sol_debil.html)>

By the way, Timo's website: "One possible explanation for the cyclicity in the Sun" contains what is actually a short course in solar physics

<<http://personal.inet.fi/tiede/tilmari/sunspots.html>>



## Testimony on Forecasting Principles

Scott Armstrong (U. of Pennsylvania), Kesten Green (U. South Australia) and Willie Soon (Harvard/Smithsonian) have testified on behalf of the GWPF to a US Congress committee on the "Forecasting for the Manmade Global Warming Concern".

Apart from an "audit" of methods and the scientific evidence related to GW forecasts, there is a delightful list of 26 analogies to GW hype from Malthus (1798) to cellphone towers (2008), but with some two/third having occurred in the lifetime of most of us.

The study leads to the following recommendations:

1. *End government funding for climate change research.*
2. *End government funding for research predicated on global warming (e.g., alternative energy; CO2 reduction; habitat loss).*
3. *End government programs and repeal regulations predicated on global warming.*
4. *End government support for organizations that lobby or campaign predicated on global warming.*

The full report is [here](#)

<<http://www.thegwpf.org/science-news/2810-research-on-forecasting-for-the-manmade-global-warming-alarm.html>>

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## The Ocean / Atmosphere Boundary Layer

The Ocean surface boundary layer plays an important role in the planet's CO2 housekeeping. In a current paper in *Science* d'Assaro et al

<<http://www.sciencemag.org/content/early/2011/03/14/science.1201515.abstract>> claim greatly enhanced turbulence and energy transfers. Doug Hoffman [discusses](#) the paper in CCNet. <<http://theresilientearth.com/?q=content/wind-water>>

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## Dr Tim Ball's legal Defence Fund

For those who did not get around yet to supporting Tim Ball in his legal fights with Michael "the hockeystick" Mann and Andrew "the modeller" Weaver, here are the various ways in which you can help Tim out of a financial predicament:

**bank cash transfer:**

Account of: Pearlman Lindholm

Barristers & Solicitors

201-19 Dallas Road

Victoria, BC, V8V 5A6

Telephone: 250-388-4433

Facsimile: 250-388-5856

Scotiabank

702 Yates Street

Victoria, BC

V8W 1L4

**Attention: Mr Kevin Benn --- for: Dr. Tim Ball Defence Fund**

Transit No.: 80010

Institution No.: 002

Account No.: 00022 16

**direct cheque:**

Made out to law firm.

Mail to the Lawyer's address,

Attention: Mr Kevin Benn - For: Tim Ball Defence Fund

**through Tim's website:**

Go to <<http://drtimball.com/>> and push the DONATE button.

If you are a PayPal registrant you can make donation, using the same info as shown for the cheque route.

## donation through FCPP:

Tax deductible donations can be made through the "DONATE" button on the Frontier Centre web site <fcpp.org> ,

mentioning "Smart Green project - Tim Ball"

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## ***CliSci # 56 2011-04-02***

### **Not to be missed**

One of the best half hours you could spend this month is to listen to a clear, challenging, illuminating video presentation by French Professor Vincent Courtillot, given at the December Third EIKE conference in Berlin. Many of his items are not those commonly stressed by either the US/UK proponents of the IPCC nor the critics of it. (And his English won't make you cringe!)

A novelty to most will be the perfect correlation of the Northern Pacific "Madden-Julian Oscillation" with Cosmic Ray activity and NH wind patterns.

<<http://joannenova.com.au/2011/03/prof-vincent-courtillot-speaks-with-clarity/>>

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### **The Australians are looking at the Southern Pacific**

A [JGR paper](#) written three years ago by John McLean, Chris de Freitas and Bob Carter examined the Influence of the Southern Oscillation on tropospheric temperatures in the tropics.

<<http://dl.dropbox.com/u/59135553/McLean%3AdeFreitas%3ACarter-SOI%26Temp.pdf>>

Now Bryan Leyland has been following this down the slope to the continuing "global cooling".

<[http://www.friendsofscience.org/assets/documents/CliSci/Leyland\\_SOI-cooling.pdf](http://www.friendsofscience.org/assets/documents/CliSci/Leyland_SOI-cooling.pdf)>

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## Focus on Dr Tim Ball

The first thing to mention is that Tim, with a lifetime experience in climatology, has finally created his own website.

<<http://drtimball.com/>> was launched on March 9th; it contains many of his writings, old and new.

Second, increasing visibility and being a frank communicator on things connected to the AGW myth, makes one fulfill the supposed Chinese proverb "Man who sticks head above crowd, gets rotten tomato in face".

Tim has been the subject of two lawsuits, filed respectively on behalf of two well known "warmers", Dr Michael Mann and Dr Andrew Weaver by the lawyer who routinely does that sort of work for the DeSmogBlog and the Suzuki people.

These suits could be a golden opportunity to get some of the alleged scientific misdeeds out in the open, but it takes money.

Tim, who has been our mentor since the early days of the activities of our group, is not a wealthy man.

His friends have therefore been instrumental in starting a Defence Fund to allow him to put up a good fight.

This Defence Fund has been set up at the office of Tim's lawyer. Donations for Tim's defence can be made by **PayPal**, by hitting the DONATE button on Tim's website (it goes directly to his lawyer) or by **cheque** made out as follows:

**Pearlman Lindholm**

**#201, - 19 Dallas Road**

**Victoria, BC**

**V8V 5A6**

with the notation:

**Attention: Mr Kevin Benn**

**for Dr. Tim Ball Defence Fund**

Tim is also being advised by UK/US lawyer John O'Sullivan, one of the co-authors with Tim in the book "Slaying the Sky Dragon".

See <http://johnosullivan.livejournal.com/32558.html> and <http://johnosullivan.livejournal.com/>

Please help Tim in this hour of both need and opportunity and distribute this request among your friends and colleagues.

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**ClSci # 55 2011-03-29**

### **Desperate Climate Scientists File Second Lawsuit Against Top Skeptic**

Under this title John ("DragonSlayer") O'Sullivan writes in the [ClimateRealists.com](http://ClimateRealists.com) blog how Michael Mann is using DeSmogBlog/Suzuki lawyer McConchie to launch a law suit against Dr Tim Ball last week about Ball's statement that "Michael Mann should be in the State Pen not Penn. State." The same lawyer also sued Tim on behalf of IPCC computer modeller Andrew Weaver at the University at Victoria.

Tim commented: "I am just a part of a wide campaign to put down the 'deniers' and reinstate the IPCC."

Details in [John O'Sullivan's Journal](#)

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### **Understanding the Thermodynamic Atmosphere Effect**

Astrophysicist Joseph Postma has published this [30 page explanation](#) of the physics underlying the Greenhouse Gas theory.

Starting with such fundamentals as the "Blackbody" and the Second Law of Thermodynamics he patiently and clearly leads those of us whose physics is either rusty or incomplete through the physics and the IPCC's use of the theory and ends with:



## On the expertise behind Europe's "Climate Action" Control

*(This is from the ICSC website*

*<[http://www.climatescienceinternational.org/index.php?option=com\\_content&view=article&id=437](http://www.climatescienceinternational.org/index.php?option=com_content&view=article&id=437)> , where you will also find links to the entire 10 minute interview).*

### EC CARBON MARKET/CLIMATE CHANGE EXPERT IGNORANT OF COST AND CLIMATE BENEFITS OF CONTINENT'S PLANS

*March 11, 2011: European Commission's Directorate General of Climate Action, Jill Duggan was interviewed on March 9 on The Steve Price Breakfast Show, Melbourne Talk Radio, Australia. Besides Mr. Price, the primary interviewer was journalist Andrew Bolt. Here are some extracts from the discussion ("..." indicates text removed for brevity).*

Andrew Bolt (AB): Can you tell me how much - to the nearest billions - is that going to cost Europe do you think?

Jill Duggan (JD): No, I can't tell you ...

AB: ... He [Professor Richard Tol, professor at the Economic and Social Research Institute in Dublin] values it at about \$250 billion. You wouldn't quarrel with that?

JD: I probably would actually. I mean, I don't know. It's very, very difficult to quantify. ....

.....

AB: ... what sort of temperature reduction do you imagine from that kind of investment?

JD: Well, what we do know is that to have an evens chance of keeping temperature increases globally to 2°C - so that's increases - you've got to reduce emissions globally by 50% by 2050.

AB: ... What do you think the temperature reduction will be?

JD: Well, obviously, Europe accounts for 14% of global emissions. It's 500 or 550 million people. On its own it cannot do that. That is absolutely clear.

AB: Have you got a figure in your mind? You don't know the cost. Do you know

the result?

JD: I don't have a cost figure in my mind...

.....

AB: ... You don't know what it costs. And you don't know what it'll achieve.

JD: Well, I think you can look at lots of modelling which will come up with lots of different costs.

AB: Well what's your modelling? ...

JD: Well, ah, ah. Let me talk about what we have done in Europe and what we have seen as the benefits. ...

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## **"CLIMATE CHANGE DURING GEOLOGICAL AND RECENT TIMES"**

The presentation by Dr. Peter Ziegler has been updated and expanded and can now be seen in PDF format at

<[http://www.friendsofscience.org/assets/documents/Global.Warming\\_Ziegler.pdf](http://www.friendsofscience.org/assets/documents/Global.Warming_Ziegler.pdf)>

Enjoy this first class compilation and don't forget to click on the speaker's notes in the corner.

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## **Willis Eschenbach asks two questions**

Guest post in Whattsupwiththat, March 13th 2011 For the entire post + comments see

<<http://wattsupwiththat.com/2011/03/13/how-much-would-you-buy/#more-35859>>

## **HOW MUCH WOULD YOU BUY?**

In the US, the Environmental Protection Agency (EPA) is imposing the first US rules on CO2. I thought I'd take a look at the EPA's own estimates of cost and benefit of

CO2 regulation, to see if the new rules make sense.

There's two numbers of interest – ***how much will it cost to reduce CO2 emissions***, and ***how much will the decreased CO2 reduce the temperature?***

First, the cost ... truth is, *no one knows*. These things are hard to estimate. I took the EPA [figures](#). They say that the new regulations will cost US\$78 billion per year. Considering that's only a tenth of the size of the recent "Stimulus", that doesn't seem like too much. Other analysts have put larger numbers on the cost, but I'll take the EPA's low estimate.

And how much will it reduce the temperature?

Again, *no one knows* ... so I'll take the EPA figures from the same source. They say:

*Based on the reanalysis the results for projected atmospheric CO2 concentrations are estimated to be reduced by an average of 2.9 ppm (previously 3.0 ppm), global mean temperature is estimated to be reduced by 0.006 to 0.0015 °C by 2100.*

Whoa, be still my beating heart. I'll take their average estimate, 0.00375°C (about four thousandths) of a degree cooling by 2100.

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### **Outgoing LongWave Radiation**

Global warming hysteria is based on climate computer models that don't work. If outgoing radiation from the atmosphere is reduced to less than the incoming radiation from the Sun, heat energy will accumulate in the climate system causing rising temperatures. The models assume CO2 emissions will cause water vapour, the strongest greenhouse gas, to increase in the upper atmosphere, trapping the radiation. They also assume clouds will trap more radiation. But satellite and weather balloon data shows just the opposite of the climate model predictions.

The chart below compares the model predicted change of outgoing radiation to the actual satellite measured change of outgoing radiation, both in response to changing sea surface temperatures.

<[http://friendsofscience.org/assets/documents/Lindzen\\_Choi2009.jpg](http://friendsofscience.org/assets/documents/Lindzen_Choi2009.jpg)>

## Satellite Observed vs Predicted Outgoing Radiation

The red lines show the eleven climate models prediction of decreasing outgoing radiation as temperatures rise.

<[http://www.friendsofscience.org/assets/documents/OLR\\_NK.jpg](http://www.friendsofscience.org/assets/documents/OLR_NK.jpg)>

The green line in the middle of the chart shows the Earth Radiation Budget Experiment Satellite (ERBE) observed response. It shows that more outgoing radiation escapes to space as temperatures rise, rather than being trapped as the UN computer modellers believe. CO2 emissions do not trap much heat and do not cause significant global warming.

The effect is also shown on the graph below, where the upper blue curve represents the temperature anomaly, while the red curve in the lower graph shows the average long wave radiation going out into space.

The IPCC solid dark blue line in the lower diagram shows a decrease instead, which is not as measured by the satellite.

This display is one of the essential arguments against the IPCC's computer model concepts

(thanks to Norm Kalmanovitch, who will be presenting this and other material at the forthcoming GAC/MAC meeting)

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afj ~~~~~

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***CliSci # 53 2011-03-10***

### **Q&A with CRU Director Phil Jones**

The BBC's Roger Harrabin interviewed the Director of the UEA Climate Research Unit, which produced some quotable remarks.

[Here](http://news.bbc.co.uk/2/hi/science/nature/8511670.stm) is the transcript. <<http://news.bbc.co.uk/2/hi/science/nature/8511670.stm>>

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## **Ex-Chancellor Helmut Schmidt on Global Warming**

Helmut Schmidt who was Chancellor of West Germany from 1974 to 1982 is still a force to be reckoned with and a voice to be listened to. On January 11th he gave a speech to the Max Planck Society in which he commented on Climate Science as follows:

<< ..... In addition to all the aforementioned problems caused by humans, we are also concerned by the phenomenon of global warming and of its related consequences. We know that there have naturally always been ice ages and warm periods; however, we do not know how big present human-induced global warming is contributing to it today or will in the future. The international so-called climate policy of many governments is still in its infancy. The conclusions and data so far submitted by an international Research Group (Intergovernmental Panel on Climate Change) has met with considerably skepticism, particularly as some of its researchers were engaged in dubious data handling maneuvers. In any case, the climate control targets adopted by now by a number of governments are not so much motivated by scientifically sound reasoning than by political machinations.

It is about time that one of our top scientific organizations critically scrutinizes the postulates advanced by IPCC, assesses their validity and then informs the public of its conclusion in a readily understandable form.>>

( <http://www.mpg.de/print/990353>> translation - Google & AFJ )

*(Thanks to Peter Z.)*

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## **Dr Ian Plimer addresses Calgary luncheon**

The Australian Professor (U.of Adelaide) who published "HEAVEN AND EARTH, GlobalWarming, the missing science" a year ago will be the Speaker at the Eighth Annual Luncheon meeting of the Friends of Science Society on Monday May 16th 2011.

The wide ranging book fills its 500 pages with a compendium of sceptics' knowledge, backed up by hundreds of references, if only to put the lie to the charges by Naomi Oreskes *cum suis* that no peer-reviewed evidence exists of the sceptics' allegations.

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***ClSci # 52 2011-03-03***

### **Putting the Sun into a Computer**

NASA, after having predicted a strong cycle 24 has now created a computer mode that explains why it is not about to happen. The answer, in the March 3rd Edition of Nature, explains it's the plasma, you see. Its "currents, deep inside the sun interfered with the formation of sunspots and prolonged (the) solar minimum" of 2008/09 says author Nandi. A computer model of the sun's interior explains it all.

<[http://science.nasa.gov/science-news/science-at-nasa/2011/02mar\\_spotlessun/](http://science.nasa.gov/science-news/science-at-nasa/2011/02mar_spotlessun/)>

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### **Shhshh ... don't talk about the science**

This is the title of a piece by Bob Carter in Quadrant Online in which he discusses that sad state of affairs in Australia where science s again being ignored and the new Prime Minister made a 180 degree turn and broke her election promise The promise to do away with te idea of a carbon tax enabled her to win the election by a very slim margin.

<<http://www.quadrant.org.au/blogs/doomed-planet/2011/02/gillard-ignores-the-science>>

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## **Lack of wind hits wind energy production**

The production of wind energy in the Netherlands fell by 13% last year despite the increase in the number of turbines, the national statistics office CBS said on Monday.

The decline was due to a lack of wind. According to a special wind index, which takes 100 as the benchmark, last year the amount of wind fell to 77, the CBS said.

The amount of sustainable energy produced in the Netherlands remained 9% of the total last year, in line with EU targets.

Dutch News Letter, Monday 28 February 2011

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## **Unscientific Hype About Flood Risks**

In a study, published in Nature and based entirely on computer models, a group of authors from IPCC, Hadley, Oxford's Climate Dynamics the California Climate Insurance business sets out to prove how man-made climate change greatly increases the risk of flood damage. The study was blasted on WUWT by Wiliis Eschenbach and the scuffle is described in full glory by Christopher Booker in the [February 27th Sunday Telegraph](#)

<<http://www.telegraph.co.uk/comment/columnists/christopherbooker/8349545/Unscientific-hype-about-the-flooding-risks-from-climate-change-will-cost-us-all-dear.html>>

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## **Greenhouse Gases actually Cool the Earth**

Hans Schreuder and friends are discussing why the IPCC premise that Greenhouse Gases warm the earth is not based on any empirical scientific evidence. They hold that the opposite is true.

<[http://www.tech-know.eu/uploads/Greenhouse\\_Gases\\_Cool\\_Earth.pdf](http://www.tech-know.eu/uploads/Greenhouse_Gases_Cool_Earth.pdf)>

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ClSci # 51 2011-02-20

Short course on the Sun

On the Corbett Report Dr Tim Ball discusses the driving force of the sun in climate and climate change, ranging from Milanlovitch effects to solar behaviour on

received cosmic rays and lower level clouds. Sunspot numbers and consequences.

Ever heard of the seal-hunting "Eskimos" on the Scottish coast during the Maunder minimum? Side stories abound.

The podcast is 78 minutes long in which Tim talks himself hoarse. The interviewer gives him all the leeway he needs.

<http://www.corbettreport.com/interview-288-dr-tim-ball/>

(thanks, Oryst!)

The second warmest year ever?

Wild claims are being made by both sides of the climate debate NOAA ad NASA call 2010 the 2nd warmest year since 1850 and the first decade of the 2000's the warmest decade. Sceptics see a clear trend toward lower temperatures, at least over the last decade. And then there is CRU's Phil Jones who admits that no actual warming has taken place in the last 15 years.

In an extended article in Energy Tribune Joseph d'Aleo discusses the details of these claims.

<<http://www.energytribune.com/articles.cfm/6440/Is-It-Really-The-Warmest-Ever>>

Joe is a well known US meteorologist and a Director of icecap.us .

Arctic Ice Volume Has Increased 26% Over The Last Three Years

Steve Goddard shows in the [Real Science blog](#) how the Arctic Ice volume is growing.

<<http://stevengoddard.wordpress.com/2011/02/08/arctic-ice-volume-has-increased-26-over-the-last-three-years/>>

Solar news: Forbush decrease in progres

A [Forbush decrease](http://dl.dropbox.com/u/59135553/oulu_forbush_2-19-2011.png) <http://dl.dropbox.com/u/59135553/oulu_forbush_2-19-2011.png> is a rapid decrease in the observed galactic cosmic ray intensity following a coronal mass ejection (CME). It occurs due to the magnetic field of the plasma solar wind sweeping some of the galactic cosmic rays away from Earth. (Wikipedia definition).

A dramatic CME occurred on February 18th

On *WUWT* 24 comments are speculating what it means in terms of the Svensmark theory, cloud cover and temperature. No answers yet!

afj~-----

CliSci # 50 2011-02-07

Hans Jelbring on the Reasons for Climate Change

Swedish Climatologist Dr. Hans Jelbring, is one of those who keeps the "big picture" clearly in view when others may descend into the minutiae of the earth-bound factors that are part of "Climate Science".

On the Yahoo Forum "Climate Sceptics", where he is an active participant, he reacts to the question on why so many scientists seem to regard the earth and its atmosphere to be a self-contained unit.

Hans has been so kind to fix up his roughly written blog notes for you to produce this [readable statement](http://dl.dropbox.com/u/59135553/Jelbring-Reasons%20for%20Climate%20Change.pdf). <<http://dl.dropbox.com/u/59135553/Jelbring-Reasons%20for%20Climate%20Change.pdf>>

What happened at the Lisbon reconciliation attempt?

The GWPF's CCNet offers several [reports](#)

<http://dl.dropbox.com/u/59135553/Lisbon%20conferenece.pdf> by attendees of the Lisbon attempt to reconcile opinions of the "Warmers" and the "Skeptics".

I mentioned this conference in my CliSci of January 29th.

Piers Corbyn's mid-term predictions.

Over the past few years astrophysicist Piers Corbyn has been giving the UK Met Office people a run for their money. His claimed 85% forecasting success rate includes solar and other extra-terrestrial triggers, which the conventional meteorologist largely ignores.

Here's his February 6th newsletter as a sample.

<<http://www.weatheraction.com/displayarticle.asp?a=305&c=5>>

How to deal with those pesky Sceptics

It is in Geneva, Switzerland, that the IPCC hangs its hat. The country seems to have fostered an active group of AGW supporting scientists.

Their national Academy of Science has an activist group called ProClim that contains the expected "warmist" literature on its <www.proclim.ch> website.

In November last year they issued a manual for their members on how to deal with "The Arguments of the Climate Sceptics". The document is actually disappointing: it seems to deal more with criticism of statements that appear in media presentations than that it methodically attacks the specific scientific arguments that can be found in the peer-reviewed literature. It harks back to Naomi Oreskes who in her *Science* article (2004, Vol 306) maintained that she could not find any.

The ProClim article is [here](#); it is in German (which "Google Translate" may solve for you if you wish), but the material seems to be largely derived from a number of entries on <<http://www.skepticalscience.com/>> , which is a multi-lingual site: just

click on the Union Jack and use the URLs from the last page of the pdf. (It may be a good idea to push this last page through Google, so you know what to look for.)

(Thanks, Peter)

CliSci # 49 2011-01-29

Two plus two makes five

I am including this piece from *Nature Climate Change* only to show the mindset of people that write for that organisation. It is the same as with the BBC and the CBC: It is not that they are deliberately applying a bias (or so I hope), but their mindset is warped. Here is story about climate changes of the past that seems to be kicking in open doors. It correlate climate changes with human experiences, fortunes and misery, something that others were already writing about ten years ago. Human society thrives in mild and warm climate and suffers when it's cold, with sickness and conflicts. But either Writers Büntgen et al are hungry for research grants, or *Nature* writer Perkins has got his chickens and the eggs mixed up. Witness the subtitle to the piece in **red** which is almost comical:

PALAEOCLIMATE: TREE RING TALE

- *by Sid Perkins*

Nature Climate Change (2011) doi:10.1038/nclimate1036 |Published 25 January 2011

Evidence of social upheaval and other adverse effects of climate variability in Europe over the past 2,500 years should give pause to people reluctant to mitigate climate change.

European climate was exceptionally variable from 250 to 550 AD, a period when the region experienced some of its worst societal challenges. That's according to an analysis of tree-ring records that is the first to reveal year-by-year climate in central Europe beyond the last millennium.

Ulf Büntgen, a paleoclimatologist at the Swiss Federal Research Institute for Forest,

Snow and Landscape research in Birmensdorf, Switzerland and colleagues reconstructed the climate in central Europe from 500 BC to today and then looked at how long-term climatic changes lined up with societal trends¹. From the middle of the third to the sixth centuries, Europe experienced barbarian invasions, political turmoil and economic dislocation. In general, rapidly fluctuating climate, combined with population declines brought about by frequent epidemics, dramatically trimmed crop yields produced by the region's largely agrarian societies during that period.

The researchers contend that although modern populations are potentially less vulnerable because of their ability to adapt to or mitigate climate fluctuations, they are not totally immune to extreme climate variability — especially given that migration to more favourable locations is increasingly difficult in today's crowded world.

References

1. Büntgen, U. *et al.* 2500 years of European climate variability and human susceptibility. *Science* doi:10.1126/science.1197175

Reconciliation in the Climate Change Debate

On the last day of the Lisbon work shop, an [attempt](#) to resolve the Climate Debate "problem". <<http://dl.dropbox.com/u/59135553/Resolve%20Climate%20Scandal.pdf>>

The science of Environment Canada, on its national website

[This map](http://dl.dropbox.com/u/59135553/EC%202010%20precipitation%20map.pdf) <http://dl.dropbox.com/u/59135553/EC%202010%20precipitation%20map.pdf> (and an equally bad one showing temperatures) is featured on the Environment Canada website.

This one supposedly shows departures from "normal" precipitation during 2010. Bull's eyes,

all of them!

Your editor, who may well have contoured hundreds of maps in his life, recognises a computer-contoured effort (poor program though) based on a very limited number (12 or so) data points, which ignores the existence of a much larger data-base and of several well established observed patterns in this country. Shame!

Neutron repulsion

The sun is central to the past and future of the planets and to life.

Emeritus Profesor Oliver Manuel, astronomer and solar physicist has a theory about the sun, which is not universally accepted. It is, however, a theory that makes a lot of sense and deserves more attention than it is getting from the main body of solar physicists.

The first lines of [this new paper](http://dl.dropbox.com/u/59135553/Manuel-Neutron%20Repulsion.pdf) <<http://dl.dropbox.com/u/59135553/Manuel-Neutron%20Repulsion.pdf>> (*in press*) tell the story in a nutshell:

Earth is connected gravitationally, magnetically and electrically to its heat source - a neutron star that is obscured from view by waste products in the photosphere. Neutron repulsion is like the hot filament in an incandescent light bulb. Excited neutrons are emitted from the solar core and decay into hydrogen that glows in the photosphere like a frosted light bulb. Neutron repulsion was recognized in nuclear rest mass data in 2000 as the overlooked source of energy, the keystone of an arch that locked together [some] puzzling space-age observations.

Have a look to see whether you can accept at least some of Oliver's tenets.

Lower TSI during the solar minimum

In a paper in *Geophysical Research Letters* of January 14th Greg Kopp and Judy Lean examine the drop of Total Solar Irradiance from 1365.4 (a figure of 1990 vintage) to 1360.8 Wm^{-2} during the 2008 solar minimum and find that "the lower solar irradiance value measured by the Total Irradiance Monitor is not a change in the Sun's output, whose variations it detects with stability comparable or superior to prior measurements; instead, its significance is in advancing the capability of monitoring solar irradiance variations on

climate
the Sun initiates."

-relevant time sca

In the 'Conclusions' they realise that "As the Sun imparts the only significant long -term external forcing of climate, an accurate and stable record of solar irradiance variations is essential for climate change attribution, and provides a unique tool for investigating climate sensitivity with theoretical and empirical models", but make no attempt to reconcile the changes in observable solar activity with changes in climate, by not advancing beyond NASA's insistence that TSI changes are too small to cause changes in climate, thus preserving the CO2 myth.

Greg Kopp and Judith Lean: "A new, lower value of total solar irradiance: Evidence and climate significance"

GEOPHYSICAL RESEARCH LETTERS, VOL. 38, L01706, doi: 10.1029/2010GL045777, 2011

Weighing the Kilogram

The *Economist* discusses the challenges of redefining the Kilogram by means other than weighing an Iridium/Platinum cylinder, located in Sèvres.

Quantum Physics is coming to the rescue.

<<http://www.economist.com/node/18007494/print>>

Himalayan glaciers: some advance, some retreat

- *Nature Geoscience* contains an article by Dirk Scherler, Bodo Bookhagen & Manfred R. Strecker entitled:
- **"Spatially variable response of Himalayan glaciers to climate change affected by debris cover"**
- *Nature Geoscience* (2011) doi: 10.1038/ngeo1068 Published online 23 January 2011
- **Abstract:** Controversy about the current state and future evolution of Himalayan glaciers has been stirred up by erroneous statements in the fourth report by the

Intergovernmental Panel on Climate Change^{1, 2}. Variable retreat rates^{3, 4, 5, 6} and a paucity of glacial mass-balance data^{7, 8} make it difficult to develop a coherent picture of regional climate-change impacts in the region. Here, we report remotely-sensed frontal changes and surface velocities from glaciers in the greater Himalaya between 2000 and 2008 that provide evidence for strong spatial variations in glacier behaviour which are linked to topography and climate. More than 65% of the monsoon-influenced glaciers that we observed are retreating, but heavily debris-covered glaciers with stagnant low-gradient terminus regions typically have stable fronts. Debris-covered glaciers are common in the rugged central Himalaya, but they are almost absent in subdued landscapes on the Tibetan Plateau, where retreat rates are higher. In contrast, more than 50% of observed glaciers in the westerlies-influenced Karakoram region in the northwestern Himalaya are advancing or stable. Our study shows that there is no uniform response of Himalayan glaciers to climate change and highlights the importance of debris cover for understanding glacier retreat, an effect that has so far been neglected in predictions of future water availability^{9, 10} or global sea level¹¹.

afj ~~~~~

CliSci # 48 2011-01

True words

The notion of a static, unchanging climate is foreign to the history of the earth or any other planet with a fluid envelope. The fact that the developed world went into hysterics over changes in global mean temperature anomaly of a few tenths of a degree will astound future generations. Such hysteria simply represents the scientific illiteracy of much of the public, the susceptibility of the public to the substitution of repetition for truth, and the exploitation of these weaknesses by politicians, environmental promoters, and, after 20 years of media drum beating, many others as well.

Richard Lindzen, 15 January 2011

Slaying the Sky Dragon

This <\$ 10 e-book, available through Amazon with a free Kindle download to read it on your computer, contains a series of 21 pertinent chapters by Tim Ball, Claes Johnson, Martin Herzberg, Joseph Olson, Alan Siddons, Charles Anderson, Hans Schreuder and John O'Sullivan. See <<http://www.slayingtheskydragon.com/>>

The last two gentlemen have also collected a 257 page PDF compendium of auxiliary papers by the above group and others which is freely available to early purchasers of the e-book. I recommend you take advantage of this bargain.

A paperback edition will be published shortly, but it certainly will not be yours for ten bucks!

Remember Santayana

The "ecofacism.com" website presents a critical condensation of Raymond H. Dominick III's *The Environmental Movement in Germany: Prophets and Pioneers, 1871-1971*.

Dominick's work concentrates on various idealistic and several politically motivated Green movements in Central Europe over the past century and a half.

Today, only the scale has changed.

Highlights:

In 1918 Prussia's Government Nature-care Center sought a directory of major German Nature-protection organizations (ones with notable achievements). They came up with 264 organizations. The Center's bibliography of German

Nature-protection publications listed 10,000 titles. The German conservation movement counted 100,000 active participants and was led by hundreds of aristocrats.

German forestry, ornithology and ecology academies were created in the 19th

century as auxiliaries of the conservation movement.

The German conservation movement was overwhelmingly and durably aligned with Nazism. The Third Reich was a flamboyantly green regime.

A best-selling German novel, published in 1958, had a sub-plot about catastrophic anthropogenic global warming caused by CO2 emissions. The novelist founded an international environmental league, led by a former leader of the Hitler Youth, which was instrumental in launching the German Green Party.

The modern environmental movement with its mass organizations, confrontational tactics, media manipulation, politicized science and apocalyptic propaganda, consolidated in West Germany in 1959-61 then spread to the English-speaking world.

Most arguments used by environmentalists today were articulated by conservationists during the reign of the Kaisers. Many conservation organizations operating in 1918 continue to operate. The line from 19th century Nature-protection to modern environmentalism is without gaps or reversals of direction.

The first "acid rain" scare was in 1864.

For the interesting full review go to: < <http://ecofascism.com/review23.html>>

(H/T to William K.)

ClSci # 47 2011-01-17

About Ocean pH

Much as I dislike the term "acidification" of watery liquid with a pH of at east 8.1, we seem to be stuck with it

A guest post by David Middleton takes on the Ocean Acidification Alarmists

<<http://wattsupwiththat.com/2011/01/10/ocean-acidification-chicken-of-the-sea-little-strikes-again/#more-31112>>

Scandinavian observation

"To separate cause and effect seems to be very problematic for most meteorologists".

Hans Jelbring

Trenberth stirs the pot

Kevin Trenberth will give a talk at the forthcoming AMS convention. The draft has set the blog wires buzzing.

See WUWT: <<http://wattsupwiththat.com/>>

Lubos Motl also has some things to say about Kevin's presentation:

<<http://motls.blogspot.com/2011/01/kevin-trenberths-weird-opinions-about.html>>

Apologist Trenberth is remembered for his leadership of the IPCC's ocean panel, when he single-handedly reversed the recommendation of his staff on matters regarding hurricanes, which caused Chris Landsea to leave the IPCC ranks.

NOAA & NASA tricks of the trade

In a [SPPI publication](#), <http://icecap.us/images/uploads/DALEO_NOAANASA_PDF.pdf>
Joseph d'Aleo examines why the NASA and NOAA proclamations about warming
climate should be ignored.

Some references for you

850 Peer-Reviewed Papers Supporting Skepticism of "Man-Made" Global Warming
(AGW) Alarm

<<http://www.populartechnology.net/2009/10/peer-reviewed-papers-supporting.html>>

Some charts for you

May I bring to your attention the unique website run by Ole Humlum of the
University of Oslo.

He graphs everything that's worth to be displayed in pictorial fashion.

Try him out at <<http://www.climate4you.com/>>

afj ~~~~~

Hermetic Jargon

Hendrik Tennekes, Dutch Academy member, former professor at Penn State U. and at Amsterdam's Free University, an ex-Research Director of the KNMI (Dutch Met Office equivalent) wrote a thoughtful essay in *Perspectives* for the CSPO of the Arizona State U. The article dates from 2006, but is timeless.

<http://www.cspo.org/library/perspectives/?item=Tennekes_February06>

New Climate scare journalism

Der Spiegel reports that green journalism is frantically looking for new ways to bring the AGW message to the public after the image damage done by ClimateGate, IPCC error and failed COPs.

The paper reports that in India they have managed to turn a sex symbol into an icon for climate protection. The Ice Shiva Lingam, an enormous ice stalagmite in the Amarnath caves of northern India, is revered as a fertility symbol. Major news outlets in the country have begun reporting on global warming since the frozen phallic symbol began to melt.

<www.spiegel.de/international/world/0,1518,737451,00.html>

While this may be funny, the two-part article gives an interesting insight in the new attempts of media manipulation.

Keplerian Planetary Dynamics

More and more attention is being paid to the influence of the sun on climate change, without anyone really knowing what the mechanics of such influence are. The IPCC says it knows, without having specifically studied it, and reject it as unimportant only on the basis of TSI.

Two names loom large of the recent history of solar behaviour, both of gentlemen now deceased. One was Theodor Landscheidt, an amateur scientist and astrologer (!) who passed away in 2004, the other Rhodes Fairbridge, who left us two years later. In Theodor's memory, the coming minimum has already been christened the

"Landscheidt Minimum".

Geologist Fairbridge explored the mechanics of the solar system from the aspect of how planetary orbits affect the movements of the sun around the barycentre according to Kepler's views. It now forms the basis of work by Charvatova, DesMoulins, Hung, Palus and others.

I thought it interesting to visit one of Fairbridge's articles, [the one about the "Solar Jerk"](http://www.crawfordperspectives.com/Fairbridge-ClimateandKeplerianPlanetaryDynamics.htm) <<http://www.crawfordperspectives.com/Fairbridge-ClimateandKeplerianPlanetaryDynamics.htm>> in these quiet days after the holiday

(with thanks to Paul Vaughan for reminding us)

Piers defends himself

On <climaterealists.com> a pointed discussion developed between a pseudonymous "Tom Richards" and Piers Corbyn which resulted in a detailed defence by Piers of his position, background, record and general methodology, while being (so far) unable to force his attacker to disclose his qualifications or identity.

One piece of the spar is [here](#).

<<http://dl.dropbox.com/u/59135553/Piers%20defends%20himself.pdf>>

<http://climaterealists.com/index.php?id=6947#comments_top>

Second thoughts by the Spanish government

Barack Obama, does not appear to have chosen well in basing his "green economy" on Spain's. After the government of Jose Luis Rodriguez Zapatero demonized a study by various experts on the economic downsides of renewable energies, it just leaked an internal document from the Spanish cabinet which is even more negative.

Among the findings, paraphrased from the right sidebar:

- * Green energy is 120 percent more expensive, simply due to the extra costs of solar and wind, and the evolution of the market is not going to bring down those costs any time soon.

- * The clean energy sector is slated to receive 126 billion euros in the next 25 years,

