

FOS MEMBERSHIP QUARTERLY NEWSLETTER

No. 33

“FOS is dedicated to providing the public with insight into Climate Change”

PRESIDENT’S MESSAGE

Once again, I wish to extend a very warm welcome to all of our members and thank them for their support. As mentioned in our previous Newsletter, we are working toward obtaining greater recognition with the public and continuing to provide information to them.

We have now reached our 10th year of activity. We particularly wish to thank and honour those individuals who initially formed FoS as well as those who have made significant contributions, scientifically, financially, and otherwise throughout the years. To help celebrate this important anniversary, we will be holding a small reunion function for them later in April.

We have just launched our Facebook page. You can see the live version by clicking this link - <http://on.fb.me/xrOPC6>. This isn't just another outreach channel. We are being very intentional about how we can use Facebook to educate and dialogue with people all over the world about climate change and have a bunch of interesting things in the works.

Now that the Facebook page is done we can begin ramping up the social media campaign. We sincerely request all of our members and supporters to help by following these steps:

1. Friends & Family: The first step in growing the name of FOS in Facebook is by having all members and supporters to send the link - <http://on.fb.me/xrOPC6> to their immediate friends and family.
2. “Like” the page on Facebook by clicking the “like” button on the top right section of this page.
3. Post this link to your Facebook wall <http://on.fb.me/xrOPC6>, by copying and pasting it into the box on your main page that says “What’s on your mind” and ask people to like the page.
4. Email your friends and ask them to like the page
5. Any photos and video content that you may have would also be helpful. Please email it to us through the CONTACT US link in our website.

The sooner you can participate the faster the Facebook page activity will grow and the benefits therein be achieved. Thanks for your help and we really appreciate your support.

One of our initial members and a strong continuing supporter, Dr. Madhav Khandekar, retired as a Research Scientist for Environment Canada in 1997. He helped implement Canada's first operational spectral Ocean Wave Model in 1991 for the Canadian Atlantic & Canadian Pacific Region. Since retirement he has given over 25 seminars on Climate Change and uncertainties in future climate change impacts at various universities in Canada and elsewhere. His most recent seminar was at York University in Toronto on February 1. He offered to give another one in Calgary, while he was here on a personal visit. We arranged a presentation by Dr. Khandekar at SAIT, the Southern Alberta Institute of Technology, on March 27, where he addressed two student classes in Environmental Studies and Chemistry. We much appreciate his efforts and we know the students benefitted from his vast knowledge.

For those of you unfamiliar with Al Gore’s Climate Reality Project, <http://climaterealityproject.org/> he has recruited several thousand “presenters” worldwide. They have all been trained by him and his staff to give essentially the same speech, which are offered to various organizations, especially schools, in all locations.

They particularly like to frighten our children. After listening to an audio of a recent presentation given in our area, I can see why. About three quarters of their 30 minute presentation stressed catastrophes and crises that are bound to come, with no actual facts, data, history, science, etc. Just fear! On their Canadian site <http://www.climatereality.ca/about/presenters> you can see which cities have “presenters”, who they are and where they have spoken. We all need to do our best to expose this unbalanced one sided radical environmental message going out to indoctrinate and frighten our children and communities. We need to stop the spread of fear that accompanies their radical beliefs. Please let as many people as possible know what is happening and how Al Gore and his crowd are after our kids and public institutions.

We often hear that 97% of scientists agree that there is man-made global warming. Period. This number comes from a survey of 10,257 Earth scientists in the U.S., conducted by a student and her professor at an American university. Their questions were: 1. When compared with pre-1800s levels, do you think that mean global temperatures have generally risen, fallen, or remained relatively constant? 2. Do you think human activity is a significant contributing factor in changing mean global temperatures?

Only 3146 scientists bothered to reply. From that group, for some reason, they hand-picked just 77, most of whom were university or government types involved in global warming projects. While of course everyone answered yes to the first question, 75 answered yes to the 2nd one. Since 75 out of 77 equals 97%, that's the figure the pundits now tout. They don't consider that only 30% even answered their questions. Or, as Mark Twain once said, “first you get the facts, then you twist them any way you want”. Using his logic, someone else could claim that 75 out of 10,257 only comes to 0.73%!!

We previously reported on the debate which we helped sponsor, between Dr. Ian Clark and Dr. Shawn Marshall, held at Mount Royal University. We now have available DVD's of this debate, at a cost of \$19.99. Since a number of you have requested copies of it, we can make more available to anyone who wishes. Just contact us through the website.

Once again, we want to emphasize our goals of expanding our membership, increasing our fund raising activities and bringing more members into active roles and assistance concerning such things as social media, advertising, etc. We want to thank those who responded to the request in our previous Newsletter, which was much appreciated, but of course we always could always use more help. Thanks again.

Wishing everyone a Happy Easter!

Len Maier
President, Friends of Science

POLITICAL DEVELOPMENTS

Canadian Senate's Climate Hearing

Last December the Senate's Standing Committee on Energy, the Environment and Natural Resources heard from four expert witnesses on the science and economics of climate change. These were: Ross McKittrick, professor of economics at the University of Guelph; Ian Clark, professor of earth sciences at the University of Ottawa; Jan Veizer, professor emeritus of earth sciences at the University of Ottawa; and Timothy Patterson, professor of geology at Carleton University. In his prepared testimony Prof. McKittrick,

an expert reviewer for the IPCC's fourth assessment report, used his inside knowledge to attack the IPCC's procedures. Prof. Clark put a rational perspective on CO₂, recent temperatures, solar effects and efforts to limit carbon-based energy. Prof. Veizer described the greenhouse effect, the carbon cycle and solar effects on cloud formation. Prof. Patterson's testimony discussed his research on the geologic record and climate cycles.

The International Climate Science Coalition has assembled a web page with links to the texts of the prepared testimonies, as well as audio and video links to both the live testimonies and subsequent question-and-answer session. Each of 12 questions put to the witnesses has its own link. Alternatively, the whole hearing also can be viewed as a single two-hour session. The ICSC's hearing web page is [here](#).

FakeGate: Stolen and Faked Heartland Documents

The FakeGate scandal involves the stealing of real documents from the Heartland Institute and the forgery of a fake one by Peter Gleick, a prominent climate alarmist. The fake "climate strategy" memo was then seized upon by warmist blogs as proof of a corporate-funded scheme to develop a global warming curriculum for K-12 classrooms. The forgery was quickly discovered, and Mr. Gleick admitted being responsible for the theft and forgery. He resigned from two of the prestigious posts he once held, but some of his colleagues, believing that the end justifies the means, stood by him, claiming that his actions were moral and courageous. Friends of Science have a summary of the FakeGate events [here](#). Donna Laframboise, author of the IPCC exposé *The Delinquent Teenager...* asks where Mr. Gleick's apologists draw the line [here](#).

Trade War Threatened over European Airline Tax

On January 1 the European Union began subjecting all flights into and out of the EU to its emissions trading system. The legislation applies to the entire flight, not just the part within EU airspace, thus penalizing long-haul carriers from Asia, Africa and the Americas. Airlines have to submit past emissions data by April 2012, get free permits for 85% of their emissions and buy permits for the remainder. The first payments are due in April 2013, with fines for non-compliance.

Some 30 countries have voiced objections to this extra-territorial application of EU law and held a meeting in Moscow in late February to discuss retaliatory steps, including cancelling orders from European aerospace companies. China is taking the hardest stand, suspending \$14 billion worth of orders with Airbus and ordering its airlines not to comply. India has not yet cancelled any Airbus orders, but has told its airlines not to buy credits or provide emissions data, and is prepared to impose "unreasonable" charges on EU airlines flying over Indian airspace if its own airlines are blocked from flying into Europe.

The airline tax is the brainchild of the EU's Commissioner for Climate Action, Connie Hedegaard, a true believer in AGW (despite lack of recent warming, anthropogenic or otherwise) and her cause. Ms. Hedegaard hosted the 2009 Copenhagen climate summit until replaced by her boss when the conference started to unravel. In numerous statements defending the airline tax, she's made tough statements about the "polluter pay" principle and not undermining "democratically-made legislation." The final arbitrators of this dispute will likely be Ms. Hedegaard's real bosses, the prime ministers of the major EU powers: Germany, France, the UK and Spain, which are also the owners of Airbus and may be prepared to dispense with Ms. Hedegaard and her crusade. (The Council of the EU, made up of the heads of government from the member states with weighted voting powers by population, has ultimate authority.)

Durban Three Months On

Following the last annual UN climate summit in Durban, countries were supposed to submit their first follow-up reports by February 23. These reports deal with closing the “gigatonne gap,” the 6-11 Gt of CO₂-equivalent difference between current emission pledges for 2020 and, according to the IPCC’s climate models, what’s needed to have a good chance of keeping global temperature increases under 2°C this century. Specifically, if current emission reduction pledges are maintained to 2020, then cuts of 3.8%/year will be needed to 2050. If the gigatonne gap were closed then a reduction rate of only 2%/year to 2050 would be needed. At Durban governments postponed deeper emissions cuts to 2020, when a new global climate treaty is to take effect.

By mid-March only 19 countries had reported on closing the gigatonne gap, two of which have retreated to the language of their entrenched positions. China, the NGO-darling of the conference for its willingness to take on binding commitments as part of the new treaty, emphasized the “historical responsibility” of developed countries to tackle climate change, stating that “The key to increase the level of ambitions to reduce emissions lies with the developed country parties.” India stressed the principle of common but differentiated responsibilities and wants discussion of greater global mitigation put off until after 2020. These positions clash with that of the EU, which in its submission wants all countries to participate in closing the ambition gap before 2020. It wants the next treaty to include mitigation commitments from major economies “taking into account that responsibilities and capabilities are differentiated but evolve over time.”

As this and the previous articles make clear (and also the embarrassing dénouement to the Copenhagen climate summit), there is one institution that is focused on guarding its country’s interests, thereby thwarting the EU and the UN from imposing their climate policies on the rest of the world: the Chinese Politburo. Unlike the Chinese, western governments, particularly ones in the EU, are prepared – for a while – to pursue policies that sacrifice their nations’ economies in the misguided belief that they’re “saving the planet.”

Ian Cameron
Director, Friends of Science

SCIENCE NEWS

The HadCRUT3 Surface Temperature Index

The HadCRUT3 surface temperature index shows the average temperature anomalies from 1850. It shows warming to 1878, cooling to 1911, warming to 1941, cooling to 1964, warming to 1998 and cooling through 2011, see [here](#). The monthly surface temperatures, see [here](#), show the best fit temperatures from 2002 declining at 0.09 C/decade. The global temperatures are declining at about half the rate that the IPCC’s climate models projected the temperatures would be increasing. Temperatures do not correlate to CO₂.

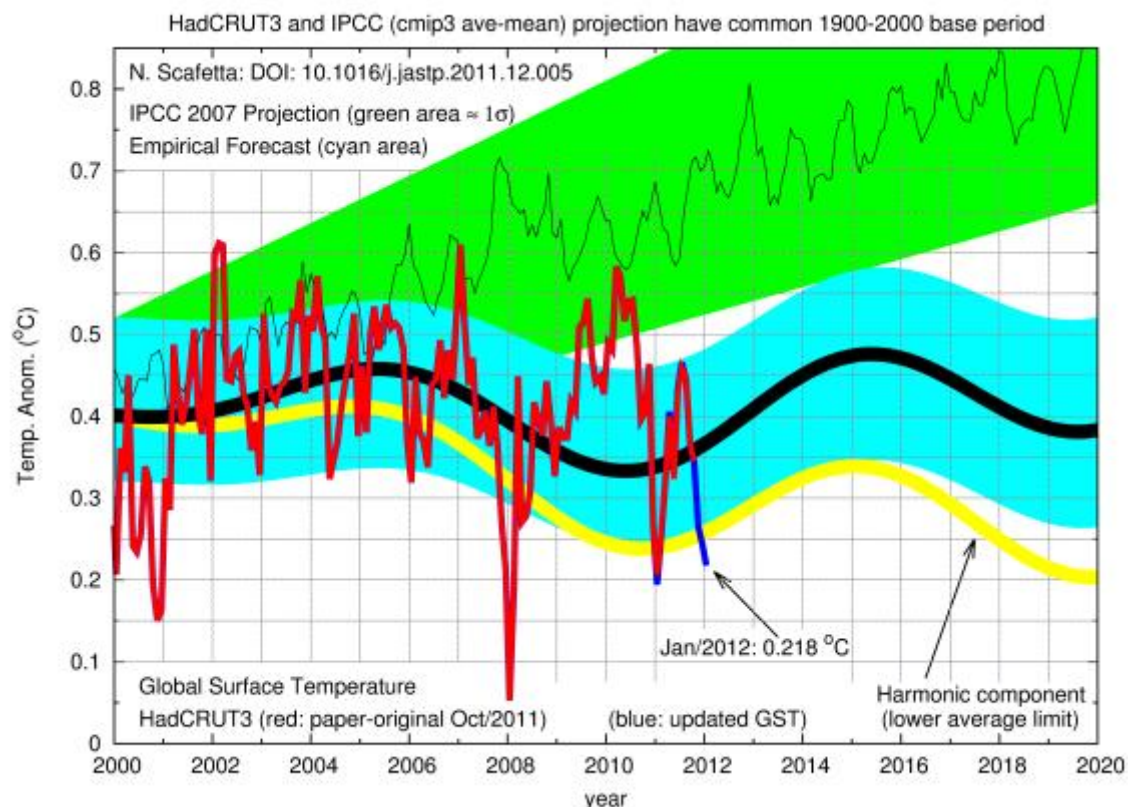
Solar Cycle Length and the Temperature of the Next Cycle

Three scientists from Norway studying the solar cycles have documented a significant correlation between the solar cycle length and the temperatures during the next solar cycle. The article submitted to the Journal of Atmospheric and Solar-Terrestrial Physics shows that 63 to 72% of the temperature increase during the

last 150 years in the North Atlantic region may be attributed to the Sun. The scientists predict a 1.0 Celsius temperature decrease between the previous and the current solar cycles in the Norwegian and the North Atlantic regions. See [here](#).

Harmonic Climate Model versus the IPCC Projections

Dr. Nicola Scafetta compares the performance of climate models projections used in the IPCC Fourth Assessment Report to his empirical climate model based on astronomical harmonics. The empirical model assumes the climate is mainly determined by the planetary motions of Jupiter and Saturn. The gravitational effects of the large planets on the Sun may affect the solar activity, which affects Earth's climate. The proposed harmonic model well matches the observed climate oscillations from 1850 to 2011. His paper, published in the Journal of Atmospheric and Solar-Terrestrial Physics, shows that the IPCC's climate models fail to match the multi-decadal surface temperature oscillations. Dr. Scafetta predicts that the global temperatures may not significantly increase during the next 30 years mostly because of the negative phase of the 60-year cycle. The chart below compares the HadCRUT3 temperature index in red (updated data in blue) to the range of IPCC 2007 projection in green and the proposed empirical forecast in cyan. The black curve is the harmonic forecast (yellow line) plus an anthropogenic trend.

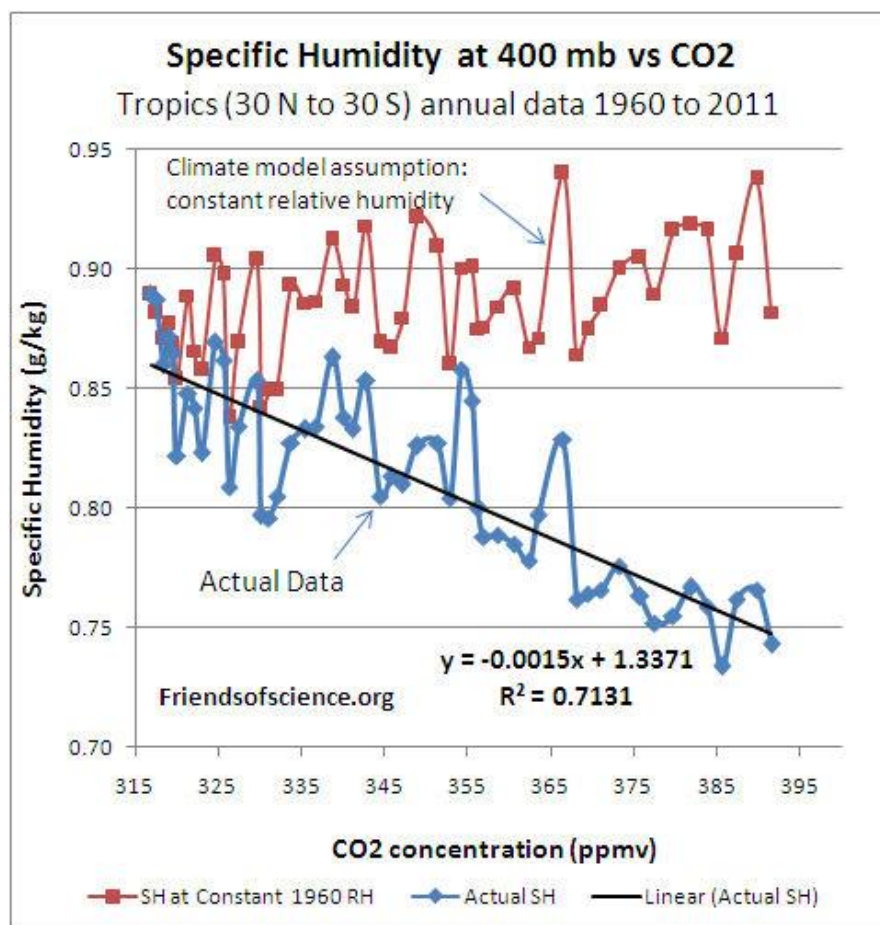


See the abstract [here](#) and a discussion at WUWT [here](#).

Declining Upper Atmosphere Water Vapour

The IPCC climate models project that relative humidity will remain almost constant with warming, and that the temperature of the upper troposphere in the tropics at about 8 km altitude (pressure is 400 mbars) will warm at about double the rate of the surface due to increasing CO₂ concentrations in the atmosphere. This implies that water vapour will increase with CO₂ concentrations because saturated humidity increases with temperature. The water vapour feedback accounts for 59% of all the warming in the climate models.

But the data shows a very different story. The graph below shows the annual specific humidity in the tropics from at the 400 mbar pressure level versus CO₂ concentration from 1960 to 2011. The blue line shows that as CO₂ increases, water vapour decreases, which is opposite to climate model predictions. The specific humidity best fit line has declined by 0.11 g/kg, or 13%, from 1960 to 2011. The brown line shows what the specific humidity would have been assuming a constant relative humidity as projected by climate models.



The declining water vapour content of the upper atmosphere is the main reason the climate models have projected too much warming from anthropogenic CO₂ emissions. CO₂ emissions are causing a decline in upper atmosphere water vapour thereby allowing heat to escape to space. See [here](#).

Ken Gregory
Director, Friends of Science

DONATIONS

To accomplish our educational goals we need financial help from our members, friends and supporters. I realize that these tough economic times are not conducive to many charitable donations, but in order to get life back onto a normal stream we need to raise important questions – **this debate matters, and it starts with you.**

Donations made directly to Friends of Science will provide us with funds for administrative expenses which are sorely needed in order to back up our volunteer work force and for other planned activities including luncheons and the sponsorships of high profile speakers to address student bodies and other gatherings.

To make your contribution, please go to www.friendsofscience.org; click on DONATE in the upper right of the home page.

Alternately, donations may be mailed directly to us at the following address:

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