

Activist Teacher

Articles and commentary about activist teaching and radical pedagogy, and social theory and critique essays, by Dr. Denis G. Rancourt

MONDAY, MARCH 21, 2011

➤ On the gargantuan lie of climate change science

Based on a public event organized by the geography student association at *Universite du Quebec a Montreal (UQAM)*.



[Illustration: Ravy Puth]

By *Denis G. Rancourt*

In all of human history, what was believed and promoted by the majority of service intellectuals (high priests) in each civilization was only created and maintained to support the hierarchy and the place of the high priests within the hierarchy. To believe that the present is any different regarding any issue managed by our “experts”, whether in medicine, psychology, cosmology, economics, law and governance, population health or ecology, is pure distilled idiocy.

Never mind that the whole climate change scam is now driven by the top-level financiers newly eyeing a multi-trillion-dollar paper economy

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Education and the Student Condition

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HERE is a list of links to articles by [Denis Rancourt](#) about [EDUCATION](#), and about [THE STUDENT CONDITION](#)

Denis G. Rancourt is a former tenured full professor of physics at the University of Ottawa, Canada. He is a researcher for the [Ontario Civil Liberties Association](#) and a social theorist. He has published [more than 100 articles in leading scientific journals](#), on physics and environmental science. He is the author of the book [Hierarchy and](#)

of carbon trading and that this is the reason it's now a dominant mainstream media and corporate messaging presence [1].

Never mind that this paper economy of carbon trading will be the largest financial extortion enterprise since the invention of the US-centered military-backed global finance structure of predation itself.

Never mind that establishment scientists are service intellectuals who virtually never diverge from supporting power, who at best look for sanitized and hypothetical "problems" that do not threaten hierarchy and who feed their false self-image of relevance [2][3].

Never mind also the pathetic recent historical record of science with regard to identifying or solving public health and environmental problems [4][5][6].

Never mind all that. Take the red pill by considering the climate "science" fairy tale itself and examine its story elements.

Here goes, in five story-element steps.

Step-1: Combustion of fossil fuels produces CO2

These fairy tales always start with some basic science or empirical truism. In this case: Burning fossil fuel produces CO2 gas. Yup the combustion reaction can, for simplicity, be represented as the inverse of the photosynthesis reaction as:



just like breathing, or a similar reaction for more of a hydro-carbon where each C atom in the fuel gives rise to one CO2 molecule in the product gas.

Step-2: This large amount of CO2 from fossil fuel burning goes into the atmosphere


OK, now believers next want to say that the CO2 from fossil fuel burning is a large amount and that it goes into the planet's atmosphere. Already in Step-2 there are some pesky conceptual and empirical difficulties, as follows.

First of all, the global industrial-age historic amount of fossil fuel burned to date is a known amount. The post-industrial extra CO2 contained in the planet's atmosphere is also a known amount. (These numbers are, for example, given here: [7].) But the post-industrial CO2 in the atmosphere is half of the amount that would have resulted from the industrial burning (and its measured temporal evolution function does not follow or match the known temporal evolution of historic post-industrial fossil fuel burning).

This is not some small difference due to measurement errors. It is a factor of two difference. This should give some pause to even the most fervent believers: Half of all the historic fossil fuel burning is

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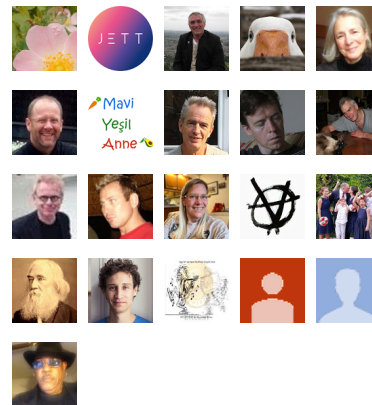
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unaccounted for.

The atmosphere is not a receptacle that is filled but rather one compartment of many in a planetary system of carbon transport and exchanges. Is it a large receptacle? Are there much larger and active exchangeable carbon receptacles on the planet? Is the rate of input of carbon into the atmosphere from fossil fuel burning large compared to other rates of atmospheric carbon inputs and outputs?

After all, something is only large (or small) compared to a relevant something else. We are talking about planetary processes.

And there are two types of measures: (1) The rates (or fluxes) of carbon in and out of each given planetary compartment such as the atmosphere (measured in number of carbon atoms per year, C/y, say) and (2) the quantities of carbon at a given time in the planetary compartments for exchangeable carbon (or carbon pools) (measured in number of carbon atoms, C, say; or tons of CO₂ equivalent, or whatever).

Regarding the rates, consider this. The present (2010) global rate of CO₂ production from fossil fuel burning is approximately equal to the present global rate of CO₂ production from anthropogenic animal breathing [8].

This implies that reducing anthropogenic animal metabolic rates can have a greater effect than many industry-scale changes in energy use and leads to suggestions that we breathe less [9]. It also shows that demonizing CO₂ production demonizes life itself [9].

Among other things, the anthropogenic animal breathing calculation [8] also means that the rate of loss of carbon from the atmosphere is at least four times greater than the rate of measured post-industrial increase in atmospheric CO₂.

Where is all that atmospheric carbon going? We don't know because the other planetary carbon pools with which the atmosphere exchanges are so large (compared to the atmosphere) that the incremental additions of carbon to these larger pools (such as the oceans) cannot be detected.

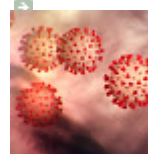
Again regarding rates, the present (2010) historic maximum of anthropogenic (caused by humans) fossil fuel burning is only 8% or so of global primary production (GPP) (both expressed as kilograms of carbon per year, kg-C/y) [7]. GPP is the rate at which new biomass (living matter) is produced on the whole planet.

Similarly, the rate of fossil fuel burning energy release is miniscule (0.006%) compared to the rate of the sun's delivery of energy to the planet [7].

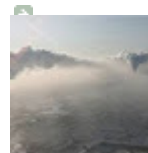
And in terms of quantities, how large is the total historic atmospheric stash of post-industrial CO₂? Here is an answer [7]:



[On the gargantuan lie of climate change science](#)



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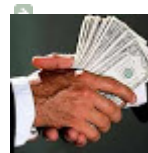
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[Editor in Chief resigned over the Harrit et al. nanothermite paper](#)



[The Corporate Climate Coup](#)



Links

- [▶ AAA - Essays by Denis Rancourt](#)
- [▶ Academic Freedom - Rancourt case](#)
- [▶ Activist Climate Guy](#)
- [▶ Against the dismissal of Denis Rancourt \(FB group\)](#)
- [▶ CHUO 98.1 FM - host DGR](#)
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“[T]he present planetary biomass alone (1×10^{15} kg-C) is approximately three times the amount of total post-industrialization fossil fuel burned to date where even this biomass carbon is only carbon in living organisms.

In addition there is at least 10 times more carbon contained in non-living organic matter than in biomass - in organic detritus, soils, bogs, natural waters, lake sediments, marine sediments, and so on. For example, from my own research, the boreal forest (the largest ecosystem on Earth) contains millions of lakes that have not even been counted. These virtually unstudied lakes have accumulated organic-rich bottom sediments (preserved by anoxia) that have not yet been included in global carbon accounting studies.

Furthermore, there is approximately fifty times more dissolved carbon in ocean water than contained as CO₂ in the atmosphere.

These bio-available carbon pools (biomass, organic matter, atmosphere, ocean water) do not include geological stores and sources from volcanoes and active geothermal sites. Volcanic activity, in particular, is unpredictable and has been highly variable in intensity since life burst onto the planet (billions of year ago), with often dramatic impacts on global ecology.

In summary, the total amount of post-industrial fossil fuel burned to date (and expressed as kilograms of carbon) represents less than 1% of the global bio-available carbon pools.

More importantly, bio-available carbon is a minor constituent of the Earth's surface environment and one that is readily buffered and exchanged between compartments without significant consequences to the diversity and quantity of life on the planet. The known history of life on Earth (over the last billions of years) is unambiguous on this point.”

Environmental scientists working from the CO₂ climate hypothesis want post-industrial atmospheric CO₂ to be large for the same reason they want their penises to be large. The question is: Compared to what? Next, we need to remind them that CO₂ is a trace constituent of the atmosphere.

Step-3: Post-industrial atmospheric CO₂ produces an increased planetary greenhouse effect

Here believer scientists, when they dare pull their heads from their asses, are going to have to actually contend with two problems: (1) CO₂ is a trace constituent of the atmosphere which alone can have no significant effect on climate and (2) the physical correctness of a posited planetary greenhouse effect (on a planet with a greenhouse-effect-gas-bearing atmosphere) is not established and is hotly debated by planetary physicists.

Start with the latter point, which makes the former point irrelevant.

A planetary atmosphere is not a pane of glass which is transparent to visible light and blocks infrared light. There is no greenhouse. (Note also

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that the dominant physical mechanism for the traditional greenhouse effect is itself in question [10].)

A so-called “greenhouse effect gas” is a gas whose molecules resonantly scatter infrared light in all directions, all directions. This gas is not located in a discrete layer (like a pane of glass) but is distributed throughout the thickness of the atmosphere. You can see how that gets complicated because downward radiation can be re-scattered upwards; the atmosphere itself emits radiations; etc.; such that calculating the resulting mean surface temperature at a given altitude is a non-trivial problem.

The present (virulent) theoretical physics debate about whether a physical mechanism for a planetary greenhouse effect exists is illustrated by these articles: [11], [12], [13], [14].

In simple terms, the atmosphere can be considered part of the “surface” of the planet and the only parameters that physically determine the resulting “surface” temperature of the planet in steady state are the “surface” albedo (i.e., the fraction of incident electromagnetic radiation reflected by the surface) and the solar constant (i.e., the intensity of electromagnetic radiation from the planet’s sun). So it is not too surprising that this debate would occur.

Geophysicists have always correctly assumed that solar constant and planet albedo were the key parameters over the course of Earth’s climate history. This greenhouse thing is a tentative blip in geophysical conceptualization. If you want to predict planetary mean surface temperature and even regional climates on a planet better look at solar radiation input variations and large-area changes in surface albedo. The latter can arise from changes in agricultural practices, land use, particulate deposition on snow and ice, insect infestations, etc. [2]

However, regarding CO2 as a greenhouse effect gas, even if we use the (incorrect) planetary greenhouse effect equations of the climate models, the post-industrial amount of atmospheric CO2 (as a trace quantity) does not alone have a predicted significant climate effect.

The believer modellers need to “amplify” the effect of CO2 in their models.

This is conveniently achieved by the so-called “amplification hypothesis” whereby, in the absence of any justifying empirical evidence, the modellers simply amplify the amount of greenhouse effect gas using a multiplicative factor applied to the concentration of CO2. The factor is simply chosen “to make it work”.

This arbitrary adjustment is rationalized as follows. The main greenhouse effect gas in Earth’s atmosphere is water vapour. The “logic” is that a small increase in CO2 would cause a small increase in temperature which in turn would cause more vaporization of water thereby resulting in more atmospheric water vapour causing more greenhouse warming - ta-da... a “positive feedback” to give us the needed leverage to affect our climate model predictions. (All current

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climate models require this machination.)

There are three main problems with this amplification hypothesis. First, there is no empirical support or experimental verification for it. Global average atmospheric water vapour concentration is impossible to measure because water constantly changes phase (vapour, liquid, ice) and is distributed inhomogeneously (vapour, rain, snow, clouds, fog, surface condensation/sublimation/vaporisation, etc.).

Second, there are innumerable hypothetical mechanisms whereby any feedback between CO₂ and water vapour could be negative rather than positive and no practical way to evaluate most of these possible mechanisms. For example, just to name one, an increase in CO₂ could change the plant ecology in such a way as to reduce evaporation from plants. One could sit and invent hundreds of such plausible scenarios (all equally irrelevant with respect to global climate).

Thirdly, it is likely that there are other negative (or positive?) also negligible climate feedbacks with CO₂ that do not depend on coupling with water vapour. CO₂ can be a growth limiting plant nutrient such that its impact on albedo might produce greater climate leverage than any greenhouse effect gas coupling could ever achieve?

In summary, as I showed in 2007 [2]: “There is of course much more wrong with state-of-the-art global circulation models (climate models) than the assumption and implementation of CO₂-H₂O feedback. Although these models are among the most elaborate predictive models of complex non-linear phenomena, they are nonetheless sweeping oversimplifications of the global climate system and its mechanistic intricacies.”

Overall, therefore, there is no established reason to believe that CO₂ could be a climate driver and many reasons to conclude that, although CO₂ may often follow or correlate with climate indicators [2], climate drivers are related to solar irradiance and albedo and have nothing to do with CO₂.

Step-4: The increased planetary greenhouse effect causes planetary warming

So, if despite all the carbon pools and inter-pool fluxes on the planet we (a) accept that the increasing atmospheric CO₂ concentration is due to fossil fuel burning, (b) believe that the concept of a planetary greenhouse effect is physically justified, and (c) believe that CO₂ as a trace gas in the atmosphere can impact climate via the invented but-some-believe-justified amplification hypothesis, then we must next look for planetary warming (or some other global climate effect?) that can be attributed to increasing CO₂.

Note that, given the above discussion, a plausible alternative to even point-a is that the increase in atmospheric CO₂ is a response to some global or solar-system change(s) that affect carbon fluxes - rather than arising from a simplistic addition from fossil fuel burning. That is, that trace atmospheric CO₂ “follows” rather than “drives” (e.g., [2][15]

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[16]).

Never mind! Let's just look for warming.

Now at this stage it gets really difficult for the believer scientists. They must contend both with the largest scientific data hoarding and data manipulating scandal since Newton (Climategate, [17]) and the fact that the mathematical statisticians have shown that a global (space-and-time-) average temperature from (space-and-time-) discrete measurements of temperature is "ill-posed" (i.e., cannot be reliably evaluated) [2][18].

Mathematical statistics experts Essex et al. put it this way in their 2007 abstract [18]:

"Physical, mathematical, and observational grounds are employed to show that there is no physically meaningful global temperature for the Earth in the context of the issue of global warming. While it is always possible to construct statistics for any given set of local temperature data, an infinite range of such statistics is mathematically permissible if physical principles provide no explicit basis for choosing among them. Distinct and equally valid statistical rules can and do show opposite trends when applied to the results of computations from physical models and real data in the atmosphere. A given temperature field can be interpreted as both "warming" and "cooling" simultaneously, making the concept of warming in the context of the issue of global warming physically ill-posed."

In addition, analytic forecasting experts assessed the Intergovernmental Panel on Climate Change's (IPCC) Working Group One (WG1) 2007 Report and found that [19]:

"The forecasting procedures that were described violated 72 [established forecasting] principles. Many of the violations were, by themselves, critical. The forecasts in the Report were not the outcome of scientific procedures. In effect, they were the opinions of scientists transformed by mathematics and obscured by complex writing. Research on forecasting has shown that experts' predictions are not useful in situations involving uncertainty and complexity. We have been unable to identify any scientific forecasts of global warming. Claims that the Earth will get warmer have no more credence than saying that it will get colder."

This all occurred after the ludicrous "hottest year in the hottest decade of the last thousand years" madness of the 1990s, now politely referred to as the "hockey stick controversy" [20]. And recently Climategate has conclusively settled the latter controversy [17]: The hockey stick was a sham even allowing for statistical ignorance regarding the instrumental temperature record.

In addition, it is stunning to note the almost total disregard for proper error propagation and sensitivity analysis that was the norm in climate

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science (both with the modellers and those reporting proxy and instrumental data) into the beginnings of the 2000s. This is true to the point that the first tentative reports of error and sensitivity analysis on the models were considered top-rate scientific news for the elite journals *Science* and *Nature* (e.g., [21][22][23][24]) - as though scientists had just discovered reliability evaluation!

Several papers then questioned the further practical difficulty of correctly quantifying true prediction uncertainties given that all the contending climate models make virtually the same model assumptions (e.g., [25]) - as though that were a surprise.

These were fatal blows (mean global temperature not defined and cannot be measured or predicted) that did not even require that the previously debated and arguably insurmountable difficulties of measuring a given temperature (instrumentally or by proxy) be addressed (see [2] for discussion).

These are the reasons that “global warming” became “climate change”. Model extractions and empirical evaluations of a mean global temperature were shown to be hog wash.

Something other than “warming” was now needed to save the field.

Step-5: Climate chaos and melting glaciers

In the final stage before its mental environment death, and as the financiers and their minions implement carbon trading, it’s really a circus. We pull climate chaos out of the non-linear physics hat and every weather event and habitat destruction observation on the planet becomes evidence for climate change.

Now melting glaciers are melting from temperature increases that cannot be measured, islands and shorelines will be flooded, tropical storms, hot winters, cold winters, cold summers, hot summers, heavy rains, droughts... it’s all climate change.

The modellers are relevant again, showing predicted regional climate changes “forced” by CO₂, on their colour-coded computer maps...

The only problems are a few pesky scientists from “outside the field” (i.e., whose careers are not tied to computer climate models), like statistical climatologists, field geologists, radiation experts, and the like.

These pesky outsiders point out alternative mechanisms for glacier melting [2], question satellite image interpretations, show that weather events are within statistical norms (e.g., [26][27][28][29]) and generally misbehave.

Maybe the modellers are not aware of it, but significant regional climate changes have been around since well before the industrial period and have been documented (in proxy, sedimentary and sequential records) to have occurred on the decadal and centennial

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time scales for at least one thousand years towards the last ice age (e.g., [2]).

Conclusion

Climate change “science” is part of just another screw-the-brown-people scam [2]:

“Environmental scientists and government agencies get funding to study and monitor problems that do not threaten corporate and financial interests. It is therefore no surprise that they would attack continental-scale devastation from resource extraction via the CO2 back door. The main drawback with this strategy is that you cannot control a hungry monster by asking it not to shit as much. ... All in all, the best way to not pollute and destroy the environment is to not pollute and destroy the environment. The best way to not exploit others is to not exploit others.”

Or is the societal goal to use the fabricated sanitized problem of CO2 in order to mask the real problems and to shield us from our responsibilities as influential First Worlders? - So as to not see our obvious responsibilities to ourselves and to others [2]:

“It’s about exploitation, oppression, racism, power, and greed. Economic, human, and animal justice brings economic sustainability which in turn is always based on renewable practices. Recognizing the basic rights of native people automatically moderates resource extraction and preserves natural habitats. Not permitting imperialist wars and interventions automatically quenches nation-scale exploitation. True democratic control over monetary policy goes a long way in removing debt-based extortion.”

The climate change scam fits into a now common pattern of public manipulation [5]; that works well on a public which benefits from being manipulated.

[Recent \(June 3, 2011\) highly relevant article posted here: LINK](#)

Endnotes

[1] David F. Noble. “The Corporate Climate Coup”.
<http://activistteacher.blogspot.com/2007/05/dgr-in-my-article-entitled-global.html>

[2] Denis G. Rancourt. “Global Warming: Truth or Dare?” (And see the many “Selected Supporting References” section.)
<http://activistteacher.blogspot.com/2007/02/global-warming-truth-or-dare.html>

[3] David F. Noble. “Regression on the Left”.
<http://climateguy.blogspot.com/2007/05/regression-on-left.html>

- [academic squatting](#) (3)
- [animal](#) (3)
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- [1 - Giving Up the Grade](#) (2)
- [1 - Student as nigger](#) (2)
- [AT List](#) (2)
- [Adil Charkaoui](#) (2)
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- [Daniel Woolf](#) (2)
- [Derek Jensen](#) (2)
- [EU](#) (2)
- [Edward Said](#) (2)
- [Evita Ochel](#) (2)
- [George Carlin](#) (2)
- [Hajo Meyer](#) (2)
- [Harrit paper](#) (2)

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http://arxiv.org/PS_cache/arxiv/pdf/0802/0802.4324v1.pdf

[13] "Comments on the "Proof of the atmospheric greenhouse effect" by Arthur P. Smith" by Gerhard Kramm, Ralph Dlugi, and Michael Zelger; arXiv:0904.2767v3 [physics.ao-ph]
<http://arxiv.org/ftp/arxiv/papers/0904/0904.2767.pdf>

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- ➔ [Hillary Clinton](#) (2)
- ➔ [Holocaust](#) (2)
- ➔ [ISIS](#) (2)
- ➔ [In Place of Death](#) (2)
- ➔ [Iraq](#) (2)
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<http://climateguy.blogspot.com/search/label/Climategate>

Also, THIS VIDEO is hilarious.

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[en francais](#) (2)

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[1 - Advice to squatters](#) (1)

[1 - Anarchism as cooptation](#) (1)

[1 - Banned from campus](#) (1)

[1 - CBC](#) (1)

[1 - Corporate Climate Coup](#) (1)

[1 - GW: Truth or Dare?](#) (1)

[1 - Interpreting Means-Freire](#) (1)

[1 - On embracing hatred](#) (1)

[1 - Ottawa Sun feature article](#) (1)

[1 - Paul Goodman defends AT](#) (1)

[1 - Plato 60s statement](#) (1)

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Addendum

The climate science lie is so large that one has to expect many considered objections from independent thinkers. Here are some examples:

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[Vincent Gray. "The Global Warming Scam". October 2008.](#)

[Arthur B. Robinson, Noah E. Robinson, Willie Soon. "The Truth About Human Contribution to Global Warming". 2008.](#)

[Victor Goldschmidt. "Anthropogenic Global Warming: Is it Real?" April 4, 2009.](#)

[Christopher Monckton of Brenchley. "Greenhouse warming? What greenhouse warming?" 2007.](#)

[Alex Robson. "A Solution in Search of a Problem: The Shergold Report on Emissions Trading". June 2007.](#)

- [1 - Russell Means](#) (1)
- [1 - SDS at UBC](#) (1)
- [1 - Survival 101](#) (1)
- [1 - War in Afghanistan \(in French\)](#) (1)
- [5G](#) (1)
- [AIPAC](#) (1)
- [AT List Politicians](#) (1)
- [ATI](#) (1)
- [Albert Cleage](#) (1)
- [Alwaght News](#) (1)
- [Amcha Initiative](#) (1)
- [Andre Longtin](#) (1)
- [Anne-Marie Dussault](#) (1)
- [Annenberg Learner](#) (1)
- [BBC](#) (1)
- [Barack Obama](#) (1)
- [Benjamin Netanyahu](#) (1)
- [Benjamin Zander](#) (1)
- [Bob Rae](#) (1)
- [Bruce Charlton](#) (1)
- [Bruce Shipman](#) (1)
- [CLASSE](#) (1)
- [COURT ORDER](#) (1)
- [CSIS](#) (1)
- [CUPE](#) (1)
- [CanWest](#) (1)
- [Chinese Premier Li Keqiang](#) (1)
- [Chris Bently AG](#) (1)
- [Church](#) (1)
- [Claude Haridge](#) (1)
- [Corey Robin](#) (1)
- [Daniel J Levitin](#) (1)
- [Darcus Howe](#) (1)
- [David Griscom](#) (1)
- [David W. Scott](#) (1)
- [Democracy Now](#) (1)
- [Dieudonné M'bala M'bala](#) (1)
- [Donation](#) (1)
- [Ed Corrigan](#) (1)
- [Egypt](#) (1)



Denis G. Rancourt is a former tenured and full professor of physics at the University of Ottawa in Canada. He practiced several areas of science (including physics and environmental science) which were funded by a national agency and ran an internationally recognized laboratory. He has published over 100 articles in leading scientific journals and several social commentary essays. He developed popular activism courses and was an outspoken critic of the university administration and a defender of student and Palestinian rights. He was fired for his dissidence in 2009. His dismissal case is scheduled to start court hearings in 2011.

Posted by [Denis Rancourt](#) at [9:15 PM](#)



[This is interesting](#)

Labels: [carbon](#), [climate](#), [global warming](#), [science](#)

28 comments:



[Sabretache](#) said...

Thanks for a lucid and very persuasive article Dennis.

Can I please post it - duly and properly credited - on [WikiSpooks](#)?

[March 22, 2011 at 1:37 AM](#)

[Bob Armstrong](#) said...

I've added this to the links on my [Planetary Temperature](#) page . Some of your students might be interested in the small "prize" I'm offering for someone to extend my computation of the temperature of radiantly heated colored balls in a handful of lines of Array Programming Language to full spectra and actually nail down the temperature of the planet given any spectral map .

My [Liberty page](#) provides arguments for generalizing from this fraud to the overarching fraud of Statism -- the notion that some political class is so much wiser and more charitable than their fellow citizens , each optimizing the choices of their families in the market place , that they can invoke the guns and prisons of the *State* to distort that free market .

[March 22, 2011 at 9:42 AM](#)

- [Elaine Brown](#) (1)
- [Elizabeth Collins](#) (1)
- [Ellen Schrecker](#) (1)
- [Essays List](#) (1)
- [Essays and articles by Denis Rancourt](#) (1)
- [FARS News Agency](#) (1)
- [Facebook group](#) (1)
- [Family Law](#) (1)
- [France](#) (1)
- [Francis A Boyle](#) (1)
- [Frederick Douglass](#) (1)
- [GMO](#) (1)
- [George Galloway](#) (1)
- [George Orwell](#) (1)
- [Gerald Celente](#) (1)
- [Ghali Hassan](#) (1)
- [Gideon Levy](#) (1)
- [Gilets jaunes](#) (1)
- [Google Scholar](#) (1)
- [Harmful Idiocy Syndrome](#) (1)
- [Hazel Gashoka](#) (1)
- [Helen Thomas](#) (1)
- [Helena Guergis](#) (1)
- [Henry Campbell Bannerman](#) (1)
- [ICC](#) (1)
- [IPC](#) (1)
- [Iceland](#) (1)
- [Ignorant Schoolmaster](#) (1)
- [Immigration](#) (1)
- [Inderpaul Chandhoke JP](#) (1)
- [Indiegogo](#) (1)
- [Intersectionality](#) (1)
- [Isaiah Berlin](#) (1)
- [Izzeldin Abuelaish](#) (1)
- [Jack layton](#) (1)
- [Jacques Ranciere](#) (1)
- [Jacques Vallee](#) (1)
- [Jamarl Thomas](#) (1)
- [James Petras](#) (1)
- [Jane Scharf](#) (1)

Anonymous said...


Hi Dennis,

Dr. Martin Hertzberg and I would like to give you a free copy of our new book, 'Slaying the Sky Dragon: Death of the the Greenhouse Gas Theory' that we co-authored with a distinguished team of skeptics.

We believe you will find it most interesting and helpful to you in this debate.


Please let me know on:

john0sullivan@btinternet.com

March 22, 2011 at 10:05 AM 

Anonymous said...

Climate Depot calls you "left-wing", for a lefty you are pretty damn smart!

March 22, 2011 at 11:48 AM 

**Unknown said...**

Good article. A little too complicated for me to understand as a lot of the terminology I didn't understand.

I'm currently on the side that global warming IS happening but am very open to both sides of the story.

You stated that the amount of fossil fuel CO2 produced is about equal to the amount of CO2 produced from animals breathing. Does this not mean that CO2 production has doubled since we started burning fossil fuels?

I don't think that fossil fuel burning alone is causing global warming. Back to the breathing, there's also 6-7 billion more humans breathing and producing CO2 than ever before let alone the CO2 they create from using industrial applications...

I'd love to hear your answer but in a toned down not so scientific way so I can understand it please...

March 22, 2011 at 11:58 AM 

Anonymous said...

The whole CO2 scam is based on speculation, exaggeration and scare tactics put forth by those who will benefit financially .

March 22, 2011 at 12:00 PM 

**gyg3s said...**

In the UK we use the mechanism of the [Renewable Obligation Certificate](#), behind a smokescreen of environmentalism, in order to transfer wealth from poor to rich.

➔ [John Akpata](#) (1)

➔ [John Carroll](#) (1)

➔ [John Ioannidis](#) (1)

➔ [Jonathon Bullick](#) (1)

➔ [Jordan Peterson](#) (1)

➔ [Julian Assange](#) (1)

➔ [Julie Macfarlane](#) (1)

➔ [Justice Alder](#) (1)

➔ [Justice Charles Hackland](#) (1)

➔ [Justice Deena Baltman](#) (1)

➔ [Justice Peter Annis](#) (1)

➔ [Justine Trudeau](#) (1)

➔ [Kamil Karamali](#) (1)

➔ [Kayhan news Iran](#) (1)

➔ [Ken Stone](#) (1)

➔ [Kevin Annett](#) (1)

➔ [Korea](#) (1)

➔ [Kourosh Ziabari](#) (1)

➔ [Latin America](#) (1)

➔ [Liana Voia](#) (1)

➔ [Linda Briskin](#) (1)

➔ [London riots](#) (1)

➔ [Louis Morissette](#) (1)

➔ [Lynne Stewart](#) (1)

➔ [MRM](#) (1)

➔ [Magazine features about Denis Rancourt](#) (1)

➔ [Marc Morano](#) (1)

➔ [Mario Savio](#) (1)

➔ [McGill University](#) (1)

➔ [Meaningful Learning Research Group](#) (1)

➔ [Michael Parenti](#) (1)

➔ [Michelle Flaherty](#) (1)

➔ [Mike Duffy](#) (1)

➔ [Mohamed Hersi](#) (1)


➔ [Mossbauer spectroscopy](#) (1)

➔ [Mother Jones](#) (1)

➔ [Muammar Gaddafi](#) (1)

➔ [Nader's Show](#) (1)

➔ [Naomi Klein](#) (1)

March 22, 2011 at 12:31 PM 


 **Anonymous said...**

This is a really outstanding and informative article.

It inspires one to ask questions of Wolfram Alpha, such as "What is the surface area of the Earth" and to develop some hard (e.g. real) numbers about atmospheric CO2 densities and whether the alleged "danger" is plausible or not. (I have concluded "Not.")

Also thanks so much for showing how real science and mathematics - not the unashamedly bogus "climate science" - can actually be employed with a little sweat and persistence to come to reasoned conclusions about CO2.

No wonder you are a teacher.

March 22, 2011 at 1:24 PM 

 **JONsager said...**

Kudos to Professor Rancourt for a cogent debunking of the the CO2 Climate Warming "New Age" Religion. Politicians & Grant-seeking Pseudo-scientists have attempted to present this as "Settled Science".

True Science is NOT a consensus poll. Sometimes, those scientists that do not toe the conventional wisdom of their day are outcasts such as Copernicus and Galileo despite ultimately being proven correct.

Al Gore, the High Priest, has garnered wealth & fame from this sham.

March 22, 2011 at 1:52 PM 

 **Anonymous said...**

Good points. For more on it, perhaps more understandable by the climate science layman see my google.doc:

https://docs.google.com/a/ablesfamily.com/View?id=ddrj9jjs_0fsv8n9gw&pli=1

March 22, 2011 at 2:17 PM 

 **Inferno said...**

If the recent CO2 rise was natural then nature has chosen a really weird time to kick CO2 up to 650,000+ year highs...

"But the post-industrial CO2 in the atmosphere is half of the amount that would have resulted from the industrial burning"

Meaning human emissions can more than account for the rise in CO2 that has led to levels reaching 650,000+ year highs.

- [Neuroleaks](#) (1)
- [News about Denis Rancourt](#) (1)
- [OCAP](#) (1)
- [Officer Bubbles](#) (1)
- [Ossie Davis](#) (1)
- [Paolo Freire](#) (1)
- [Paul Slansky](#) (1)
- [Peggy Mason](#) (1)
- [Petr Skrabanek](#) (1)
- [Pope](#) (1)
- [PowerPoint](#) (1)
- [Press TV](#) (1)
- [QuAIA](#) (1)
- [R2P](#) (1)
- [RBC](#) (1)
- [Radio-Canada](#) (1)
- [Radio-Quebec](#) (1)
- [Recoil](#) (1)
- [Red Pill](#) (1)
- [ResearchGate](#) (1)
- [Richard Fadden](#) (1)
- [Richard G. Wilkinson](#) (1)
- [Robert F. Williams](#) (1)
- [Russell Jacoby](#) (1)
- [SLAPP](#) (1)
- [Sarnia Ontario](#) (1)
- [Sayyid Ali Khamenei](#) (1)
- [Scientific work of Denis Rancourt](#) (1)
- [Section 83.18](#) (1)
- [Serena Shim](#) (1)
- [Socrates](#) (1)
- [Soros](#) (1)
- [Stephen Lendman](#) (1)
- [Stephen Pollard](#) (1)
- [Stratfor](#) (1)
- [Stuart Tannock](#) (1)
- [Symantec](#) (1)
- [Symbols](#) (1)
- [Terrance Nelson](#) (1)
- [Terri Ginsberg](#) (1)

Yes some of our emissions have been absorbed by the ocean and some by the biosphere. This stuff is known.

Your argument is basically "ARRGHJ its CONFUSING!"

No it isn't. It's quite straight forward. I am not even a scientist and I get it.

"Regarding the rates, consider this. The present (2010) global rate of CO2 production from fossil fuel burning is approximately equal to the present global rate of CO2 production from anthropogenic animal breathing"

Breathing is carbon neutral. Plant takes CO2 from atmosphere. I eat plant. I put CO2 back in atmosphere. Rinse. Repeat. The cycle is so short (years) that a century long CO2 rise cannot be performed this way.

Burning fossil fuels is not carbon neutral. I burn fossil fuels. I put carbon back into atmosphere that has been out of the atmosphere for millions of years.

"This implies that reducing anthropogenic animal metabolic rates can have a greater effect than many industry-scale changes in energy use"

No, see the above.

March 22, 2011 at 4:48 PM 



 [Denis Rancourt](#) said...

Hi Inferno,

Here is a response to your points.

(1) I did not intend to suggest that the the observed increase in atmospheric CO2 is unrelated to industrialization and human population growth. For example, the large land use changes that have occurred could modify (have modified) the net fluxes between planetary carbon reservoirs.

In this way, the CO2 increase would have occurred because of anthropogenic activity even if no fossil fuel had been burned.

This is consistent with the large fluxes and the relatively small atmosphere pool, as explained in the article.

(2) At the risk of insulting the mass spec jockeys, let us not get into the problems of measuring atmospheric CO2 back a million years...! Really, let's not. (You are looking at another hockey stick / Carbonegate combo.)

(3) Your point about breathing being carbon neutral is misplaced.

- ➔ [Thomas Mulcair](#) (1)
- ➔ [Tim Ball](#) (1)
- ➔ [Tony Martin](#) (1)
- ➔ [Toronto](#) (1)
- ➔ [Toronto Pride](#) (1)
- ➔ [U of O Watch](#) (1)
- ➔ [Vern White](#) (1)
- ➔ [WHO](#) (1)
- ➔ [Walter Lewin](#) (1)
- ➔ [Western aggression](#) (1)
- ➔ [White Helmets](#) (1)
- ➔ [Wikileaks](#) (1)
- ➔ [William K Black](#) (1)
- ➔ [Youtube](#) (1)
- ➔ [Zombie science](#) (1)
- ➔ [abortion](#) (1)
- ➔ [academic planning](#) (1)
- ➔ [affirmative action](#) (1)
- ➔ [agitation](#) (1)
- ➔ [alternative conceptions](#) (1)
- ➔ [anti-oppression](#) (1)
- ➔ [art](#) (1)
- ➔ [attacks against farmers](#) (1)
- ➔ [audio](#) (1)
- ➔ [biological weapon](#) (1)
- ➔ [blockade](#) (1)
- ➔ [carding](#) (1)
- ➔ [censorship](#) (1)
- ➔ [champerty](#) (1)
- ➔ [chemical weapons](#) (1)
- ➔ [chemtrails](#) (1)
- ➔ [civil guerrilla warfare](#) (1)
- ➔ [collective intelligence](#) (1)
- ➔ [communism](#) (1)
- ➔ [concise definition](#) (1)
- ➔ [conference talk](#) (1)
- ➔ [copyright wars](#) (1)
- ➔ [corruption](#) (1)
- ➔ [cover up](#) (1)
- ➔ [creativity](#) (1)
- ➔ [crime](#) (1)

It is true only at a given metabolic rate and for constant animal populations in a given fixed ecological structure.


But my point is what can be achieved by reducing metabolic rate: You breathe less, you eat less, and there are more standing plants that you don't eat... So more carbon is fixed in plants rather than expelled to the atmosphere compared to the previous higher metabolic rate.

Culture and economic re-organization could maintain the new lower metabolic rates...

(If you're serious about CO2...)

Get it? See above and article and references.

Cheers.

March 22, 2011 at 5:30 PM 

John Marshall said...

Again heat loss is expressed as radiation where in fact heat is lost from the surface by convection and heat exchanged within the atmosphere by conduction between the so called GHG's and the basic constituents of the atmosphere oxygen and nitrogen. To comply with the laws of thermodynamics heat can only flow, by whatever means, from hot to cold so the warm convecting gasses, which will cool as they rise by adiabatic expansion but still be warmer than the surrounding atmosphere though now cooler than the surface, cannot radiate heat to the surface.

There is also energy reduction of the incoming solar radiation which means that some of the SW IR becomes LW IR and can be confused as being from the warming atmospheric GHG's (there is no way to tell the difference between this solar IR and LW IR from anywhere else)

March 23, 2011 at 3:23 AM 



JLin said...

"Never mind that the whole climate change scam is now driven by the top-level financiers newly eyeing a multi-trillion-dollar paper economy ..."

Opportunists are opportunists. If government Statists are the sharks, then the "financiers" are the remoras. The initial scam was in politically motivated scientists creating the false crisis and being abbetted by the Statists in government power positions. The Al Gores of the world merely exploited the obvious opportunity.

As far as "screwing the brown man"... silly wabbit, the real money lies with the white western middle class, not the brown proletariat. But that golden goose is nearly choked to death, the cash cow too.

[deplorables](#) (1)

[determinative conflict](#) (1)

[document](#) (1)

[doomsday narratives](#) (1)

[education resources](#) (1)

[eugenics](#) (1)

[event call out](#) (1)

[everything is ok](#) (1)

[fake news](#) (1)

[federal budget](#) (1)

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[goodness](#) (1)

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[land acknowledgement](#) (1)

[landowner rights](#) (1)

[learning tools](#) (1)

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[legal costs](#) (1)

[letter to the youth](#) (1)

[links](#) (1)

[manipulation](#) (1)

[meme](#) (1)

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[municipal elections](#) (1)

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[ontological anxiety](#) (1)

[oppressed fairly](#) (1)


[pandemic](#) (1)

[parody](#) (1)

[perception](#) (1)

[perversion](#) (1)


[physics teaching](#) (1)

March 23, 2011 at 12:04 PM 



JLin said...

By the way, a very good and informative piece.


March 23, 2011 at 12:07 PM 

Anonymous said...

Denis Rancourt - is it ignorance or deceit that makes you completely irrelevant?

Your delusions of adequacy and competence have been comprehensively answered at

<http://www.skepticalscience.com/argument.php>, and elsewhere.

March 28, 2011 at 12:51 PM 




Denis Rancourt said...

Here are more prepared responses from the believer site RealClimate:

<http://www.realclimate.org/index.php/archives/2004/12/index/#Responses>

Each intetrested person must judge for themselves: "But is it true?" by Aaron Wildavsky.

March 28, 2011 at 1:15 PM 

codehead said...

Terrific accounting of the CAGW hoax, nice job.

April 13, 2011 at 10:33 AM 

Maurice J said...

When all the AGW hoaxers die
We will raise a monument into the sky
A monument of solid Carbon
To commemorate their Bogus Bargain.

April 19, 2011 at 7:18 PM 



blouis79 said...

Why do climate scientists ignore the basic physics of heat, mass and temperature? I have looked and found the physics basis of climatology temperature prediction fanciful.

It is 100% guaranteed that turning any source of potential energy (chemical, nuclear) on earth to heat will cause a rise in temperature. Bo Nordell has analyzed this and claims to account for about 3/4 of the observed warming based on "thermal pollution".

But this is inconvenient if one wishes to demonize fossil fuels in

➔ [pinkwashing](#) (1)

➔ [poetry](#) (1)

➔ [political prisoner](#) (1)

➔ [popular movement](#) (1)

➔ [poverty](#) (1)

➔ [pregnant women](#) (1)

➔ [prison](#) (1)

➔ [profit](#) (1)

➔ [property damage](#) (1)

➔ [proportional representation](#) (1)

➔ [pseudo-science](#) (1)

➔ [queer liberation](#) (1)

➔ [quotations](#) (1)

➔ [quotes](#) (1)

➔ [rabble](#) (1)

➔ [refugee crisis](#) (1)

➔ [religion](#) (1)

➔ [reparation](#) (1)

➔ [roundabout](#) (1)

➔ [rules](#) (1)

➔ [rules of war](#) (1)

➔ [safe space](#) (1)

➔ [scam](#) (1)

➔ [secret trials](#) (1)

➔ [security certificate](#) (1)

➔ [self-image](#) (1)

➔ [service manager](#) (1)

➔ [sex](#) (1)

➔ [software](#) (1)

➔ [speaking truth](#) (1)

➔ [specialization](#) (1)

➔ [stress](#) (1)

➔ [strike](#) (1)

➔ [stupidity](#) (1)

➔ [symbiosis](#) (1)

➔ [taboo](#) (1)

➔ [transparency](#) (1)


➔ [twitter](#) (1)

➔ [usury](#) (1)

➔ [vaccine](#) (1)

➔ [voter registration rule](#) (1)


favor of nuclear energy, which obviously shifts the balance of energy power from the middle east towards the US and Europe.

April 20, 2011 at 5:51 PM 

 **Anonymous** said...

Your literature search is shallow and incredibly unbalanced. Unfortunately your introduction oozes the talking points of the corporate funded astro turfers which leeches credibility from your subsequent discussion. Quoting blogs is exceptionally poor form. Quoting your own blog is lower than intellectual masturbation.

A warning to others, this is not the place to get valid information. Look elsewhere to more informed scientific opinion rather than political oriented blog spin.

April 21, 2011 at 9:11 PM 

 [weather](#) (1)

 [white nationalism](#) (1)


 [world currency](#) (1)

 [zoning bylaws](#) (1)



 **blouis79** said...

Scientists are happy to debate issues and have no need to attack individuals as politicians love to do.

April 23, 2011 at 5:00 PM 



 **blouis79** said...

Help! I'm trying to figure out what the claimed "greenhouse" effect is and how it might be experimentally tested, since as far as I can find, it has not been properly described and has not been experimentally tested.

So are climate scientists claiming that there is some mix of gases that can modify heat transfer between two bodies? Surely one could propose a lab experiment to demonstrate the existence of said effect if it could be described precisely. No we are not talking about IR spectra, we are talking about "heat" transfer by conduction, convection, radiation, and perhaps phase change.


Two balls of some heatable material, a certain distance apart in a controlled environment, which could be a vacuum or any mixture of gases. If one ball is hot, then the temperature of the other will be different depending on the mixture of gases in between?

April 24, 2011 at 3:54 PM 



 **Jay Alt** said...

Funny stuff, Denis. If I didn't know there was an entire literature on the carbon cycle developed over the past 30+ years I might be moved. You and Prof Salby could cut and paste together, save time plus increase the number and magnitude of your mistakes.

October 5, 2011 at 11:18 AM 

 **Adam T** said...



I don't know if the author is still reading this or not, but it seems even physicists (or at least this one physicist) can be innumerate.

"Again regarding rates, the present (2010) historic maximum of anthropogenic (caused by humans) fossil fuel burning is only 8% or so of global primary production (GPP) (both expressed as kilograms of carbon per year, kg-C/y) [7]. GPP is the rate at which new biomass (living matter) is produced on the whole planet."

Of course, it's not the amount that matters, it's the change in the amount that matters. It's calculus not arithmetic.

Similarly, "It also shows that demonizing CO2 production demonizes life itself" shows that this one scientist is no less prone to using emotional appeals and red herrings. To be sure, there is no reason to assume that scientists are any less likely to engage in demagoguery than anybody else.

It also seems pretty clear based on those two points, that this one scientist is no less likely than non scientists to fit the facts to support his conclusions, as it is obvious he has his mind made up irrespective of the evidence. Of course, that's the opposite of the scientific method.

September 1, 2015 at 6:37 AM



[Denis Rancourt](#) said...

@Adam T: Sorry, there is nothing of merit worth responding to in your comment, as I see it. However, I will continue to read comments and papers in my own on-going effort to find any errors in my work, and to adjust and correct as needed.

September 1, 2015 at 7:11 AM

Anonymous said...

So basically, we're still in the same position of those who prayed to the gods when bad weather struck.

November 20, 2016 at 1:10 AM



[Denis Rancourt](#) said...

@Anonymous: Yup.

And see:

<http://dissidentvoice.org/2016/10/the-co2-god-controls-environmental-disasters-not/>

November 20, 2016 at 8:37 AM

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