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6 January 2016

Attorney General Eric T. Schneiderman
Office of the Attorney General
The Capitol
Albany, NY 12224-0341
800-771-7755

Subject: "Climate Denialism" Laws with Mandatory Prison Terms

Reference 1: Your Interview with Judy Woodruff on PBS News Hour – 10 November 2015

Reference 2: Conference of Parties (COP-21) United Nations Framework Convention on Climate Change (UNFCCC), Paris, France, November 30 thru December 11 2015

Courtesy Copy List

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Irving, Texas 75039-2298
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Honorable Andrew M. Cuomo
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Albany, New York 12224
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Mr. Donald J. Trump
Chairman and President
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New York, New York 10022
212-832-2000

Mr. Abraham H. Foxman
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Via FedEx Airbill

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Dear AG Schneiderman:

During Reference 1 you discuss concerns regarding climate change in the Arctic, and the alleged role that Exxon-Mobil has played in those concerns.

Reference 1 is available here: <https://www.youtube.com/watch?v=DDIb2uEirT0> wherein you state:



"We're very interested in seeing what science Exxon has been using for its own purposes because they are tremendously active in off-shore oil drilling in the Arctic for example where global warming is happening at a much more rapid rate than in more temperate zones. Were they using the best science, and the most competent models for their own purposes? But then telling the public, regulators and shareholders that no competent models existed; things like that.

We're interested in what they were using internally, and what they were telling the world." (underline added)

In that context I share the following excerpt from a relatively recent Washington Post news article:

"The Arctic Ocean is warming up, icebergs are growing scarcer and in some places the seals are finding the water too hot, according to a report to the Commerce Department yesterday from Consul Ifft, at Bergen, Norway.

Reports from fishermen, seal hunters and explorers, he declared, all point to a radical change in climate conditions and hitherto unheard-of temperatures in the Arctic zone. Exploration expeditions report that scarcely any ice has been met with as far north as 81 degrees 29 minutes. Soundings to a depth of 3,100 meters showed the gulf stream still very warm.

Great masses of ice have been replaced by moraines of earth and stones, the report continued, while at many points well known glaciers have entirely disappeared. Very few seals and no white fish are found in the eastern Arctic, while vast shoals of herring and smelts, which have never before ventured so far north, are being encountered in the old seal fishing grounds."

Next is an original source scan for this news report. It is unlikely that this and many similar documents are what you intended for discovery under the subpoena served upon Exxon-Mobil:

NOVEMBER, 1922. MONTHLY WEATHER REVIEW.

THE CHANGING ARCTIC.

By GEORGE NICOLAS IFFT.

[Under date of October 10, 1922, the American consul at Bergen, Norway, submitted the following report to the State Department, Washington, D. C.]

The Arctic seems to be warming up. Reports from fishermen, seal hunters, and explorers who sail the seas about Spitzbergen and the eastern Arctic, all point to a radical change in climatic conditions, and hitherto unheard-of high temperatures in that part of the earth's surface.

In August, 1922, the Norwegian Department of Commerce sent an expedition to Spitzbergen and Bear Island under the leadership of Dr. Adolf Hoel, lecturer on geology at the University of Christiania. Its purpose was to survey and chart the lands adjacent to the Norwegian mines on those islands, take soundings of the adjacent waters, and make other oceanographic investigations.

Dr. Hoel, who has just returned, reports the location of hitherto unknown coal deposits on the eastern shores of Advent Bay—deposits of vast extent and superior quality. This is regarded as of first importance, as so far most of the coal mined by the Norwegian companies on those islands has not been of the best quality.

* R. L. Holmes: Quart. Journ. Royal Meteorol. Soc., January, 1905.

The oceanographic observations have, however, been even more interesting. Ice conditions were exceptional. In fact, so little ice has never before been noted. The expedition all but established a record, sailing as far north as $81^{\circ} 29'$ in ice-free water. This is the farthest north ever reached with modern oceanographic apparatus.

The character of the waters of the great polar basin has heretofore been practically unknown. Dr. Hoel reports that he made a section of the Gulf Stream at 81° north latitude and took soundings to a depth of 3,100 meters. These show the Gulf Stream very warm, and it could be traced as a surface current till beyond the 81^{st} parallel. The warmth of the waters makes it probable that the favorable ice conditions will continue for some time.

Later a section was taken of the Gulf Stream off Bear Island and off the Isfjord, as well as a section of the cold current that comes down along the west coast of Spitzbergen off the south cape.

In connection with Dr. Hoel's report, it is of interest to note the unusually warm summer in Arctic Norway and the observations of Capt. Martin Ingebrigtsen, who has sailed the eastern Arctic for 54 years past. He says that he first noted warmer conditions in 1918, that since that time it has steadily gotten warmer, and that to-day the Arctic of that region is not recognizable as the same region of 1868 to 1917.

Many old landmarks are so changed as to be unrecognizable. Where formerly great masses of ice were found, there are now often moraines, accumulations of earth and stones. At many points where glaciers formerly extended far into the sea they have entirely disappeared.

The change in temperature, says Captain Ingebrigtsen, has also brought about great change in the flora and fauna of the Arctic. This summer he sought for white fish in Spitzbergen waters. Formerly great shoals of them were found there. This year he saw none, although he visited all the old fishing grounds.

There were few seal in Spitzbergen waters this year, the catch being far under the average. This, however, did not surprise the captain. He pointed out that formerly the waters about Spitzbergen held an even summer temperature of about 3° Celsius; this year recorded temperatures up to 15° , and last winter the ocean did not freeze over even on the north coast of Spitzbergen.

With the disappearance of white fish and seal has come other life in these waters. This year herring in great shoals were found along the west coast of Spitzbergen, all the way from the fry to the veritable great herring. Shoals of smelt were also met with.

For a recent report on the effects of climate change on the Arctic, most specifically on what PBS labels as the “plight of the polar bear,” please view: AL GORE VERSUS THE POLAR BEAR. You can search that title at YouTube or visit: <https://www.youtube.com/watch?v=BOjLQgH-ZHc>



As perspective, one that relates to the ongoing economic demise of my home state, the historical companies of Standard Oil Company of New York (Mobil) and Standard Oil of New Jersey (Exxon) were long-ago chased out of *their* home states by the actions of people such as you. ExxonMobil, your defendant, just announced that its new 385-acre campus will be completed this year (2015) and fully staffed, providing over 10,000 jobs for the citizens of . . . Houston, Texas:



With these developments in mind, the following discussion justifies the suspicion of what motivates your actions against Exxon-Mobil: an unstated effort to enact “Climate Denialism” laws (with mandatory prison terms). First, we identify the associates-you-keep, and their lack of a genuine “contribution” to protecting the environment, and then we review details of Reference 1 and how those details justify our suspicions.

The Climate Change Imbrogio: An Open Denunciation of Integrity

The archaic definition of the word imbrogio is **“a confused heap.”** It is an accurate descriptor of your performance during Reference 1, your proponent Judy Woodruff, and a majority of the news media regarding science (especially climate science), and so-called scientists themselves.

As further perspective, let us recall a statement that, to many, characterizes the behavior of vested interests. It was made by Stanford University Professor Stephen Schneider . . . not merely tangentially involved in this imbrogio, but the so-called “Father of Anthropogenic Global Warming (AGW)” :



“On the one hand, as scientists we are ethically bound to the scientific method. On the other hand, we are not just scientists but human beings as well.

To do that we need to get some broad based support, to capture the public’s imagination. That, of course, means getting loads of media coverage. So we have to offer up scary scenarios, make simplified, dramatic statements, and make little mention of any doubts we might have.

Each of us has to decide what the right balance is between being effective and being honest.”

In your interview with PBS **you** stated:

“Certainly, all of the (State of New York’s) claims would lie in some form of fraud.”

Relating to the Schneider ethics proposal and your fraud innuendos, image the following: After parole violation testimony you prove that Jonathan Pollard lied; not merely a misstatement, lied. But when confronted with perjury Pollard dismisses you, declaring:

“ I was trying to ‘decide the right balance between being effective and being honest.’”

How quickly would Pollard be re-fitted for prisoner’s garb?
In a ‘New York second’ ?



In this imbrogio, misinformation and misdirection have become implicit, institutionalized, even openly accepted within, what Ms. Woodruff declares is, *“what we know about climate change.”*

I have been testing *“what we know about climate science”* for several decades, not with reporters, but with scientists who ALLEGE to have relevant training and knowledge. Despite having published many articles, I continue to be amazed at, and repulsed by, the inveracity and parasitism of AGW proponents.

Climate Change Imbrogio: Big Academia , ClimateGate and a Simple Question

You note that I copied my alma mater, Cornell University. In late 2009, while preparing an article, my suspicions about what was known to Big Academia was exposed, on a global scale, by ClimateGate.

I interviewed “climate change” experts at Cornell in December 2009, but I focused some of my inquires on their integrity. I asked an assistant director about ClimateGate, but he claimed to have “*never heard the term.*” When I mentioned that an internet search of the term yields over 3.7 million in 0.13 seconds and in numerous languages, this assistant director rudely ended our conversation.

The climate change imbrogio includes a *leit motif*, a promotion that is never qualified; it is claimed to be intrinsic to, what Woodruff claims is, “*what we know about climate change.*” The ClimateGaters and many others all declare, with force, that atmospheric carbon dioxide is positively correlated to global temperatures and, most forcefully, that CO2 attributable to human activity is the PRIMARY cause of (in the original marketing vernacular) global warming; now labeled climate change. AGW proponents, Big Academia, ClimateGaters, and the media never “*mention any doubts (they) may have*” . . . all pronounce this correlation as a proven scientific and statistical fact . . . while never quantifying that statistic.

As you know, as an attorney general, when evidence supports an argument its discovery is never an issue of heated courtroom or motions debate . . . THAT evidence arrives by the truck load. As you also know we frequently arrive at the truth by asking the simple question, with the most important arrival ascertaining the integrity of the persons being questioned.



Because it coincided with the whistleblower release of 60 megs of ClimateGate emails I excluded from my article a simple question that I posed to former Director Frank DeSalvo at the Cornell University Center for Sustainability:

“What is the correlation value, the R-squared value, between atmospheric carbon dioxide in PPM and global temperatures; and please specify the time period for the value you offer?”

After decades of asking, not one AGW pundit has answered my simple R² question. Alternatively, the central portent of your PBS interview, and your lawsuit against Exxon-Mobil, implicitly declares that R² approaches 100%. So what is the problem?

Although none have answered my R² question with integrity, AGW proponent Professor Alan Robock of Rutgers University, former researcher for the National Oceanic and Atmospheric Administration (NOAA), declared:

“*That (R² question) is too simplistic. The correlation value is high but correlation does not mean cause and effect.*”



Let’s recap. According to the Professor Schneider “*we need to offer up scary scenarios (and) make simplified, dramatic statements.*” However, when a taxpayer asks simplified questions regarding the ongoing scary and dramatic statements, such as those made by you about the Artic, that taxpayer is derided as . . . “*too simplistic*” !?

Climate Change Imbroglia: Big Academia , ClimateGate and a Simple Question – con't

The next section will review the Intergovernmental Panel on Climate Change (IPCC) and their assessment reports (AR). In AR-1, AR-2, AR-3, AR-4 and their most recent AR-5, the IPCC seems to have no problem hyping an answer to the simple R^2 question. In fact, AR-5 states:

"It is extremely likely that more than half of the observed increase in global average surface temperature from 1951 to 2010 was caused by the anthropogenic increase in greenhouse gas concentrations . . ."

The 'extremely likely' phrase is defined by the IPCC as >95%.

So, when it serves their media and fund-raising purposes, calculation of an R-squared value is not "too simplistic." The AGW proponents and their fraternity/sorority organizations at the United Nations, specifically the IPCC, seem to have no problem "offer(ing) up scary scenarios and mak(ing) simplified, dramatic statements."

As discussed above, ongoing AGW pronouncements and now your lawsuit against Exxon-Mobil proclaim a direct and PRIMARY correlation between increases in atmospheric CO2 due to human activity and global warming. But when the question comes from a taxpayer it is "too simplistic," and we are told that "correlation does not mean cause and effect." **The latter is absolutely true!** But that is never what the ClimateGaters spew into the media, or government hand-out hearings.

Recent short-term CO2-to-global-temperatures correlations, involving grammar school arithmetic (that even our "multicultural" education system can teach) include the following apparent values:

- If we specify the period 1922 (when Arctic ice was melting per Page 2 above) to 1940, the R^2 value is positive and small.
- From 1940 to 1970, despite ongoing increases in CO2, global temperatures dropped, and the correlation was therefore large and negative. (Does it surprise you that describing this period Professor Stephen "Being Effective" Schneider published papers which claimed that human activity was responsible for "global cooling"?!).
- From 1970 until approximately 2000 the R^2 returns to slightly positive.
- Since 2000 the R^2 returned to negative. (Regarding this recent climate fact, does it surprise you that a prominent ClimateGater fretted in his 2008 email, "Where's the warming?!")

Strength of Correlation to Warming		
Courtesy: Meteorologist Joe D'Aleo		
CO2	1895-2007	.43
Sun	1900-2004	.57
Oceans	1900-2007	.85
CO2	1998-2007	.02!!!

AccuWeather.com®

On the other hand, the R^2 value is not "too simplistic" for various weather reporting organizations.

At left is the nationally broadcast estimates of R-squared values for various time periods and various alleged inputs to global temperatures.

During the time that I was being rebuffed by Cornell University, Rutgers University, NASA, NOAA, various ClimateGaters, various AGW proponents, and the like, I spoke with retired meteorologist Mr. Craig James who had also calculated conjoint values for similar time periods.

In James' opinion the solar-ocean conjoint calculated for similar periods was in the 88+% range!

Climate Change Imbroglio: Big Academia , ClimateGate and a Simple Question – con't

Regarding ClimateGate . . . contrary to the other responses I received from my alma mater, and elsewhere, please note that Professor DeSalvo states with integrity:

“There’s no doubt people know about it (ClimateGate), and are chagrined by it.”

Yes, but are these people chagrined because of the abject inveracity that ClimateGate exposed, or are they chagrined because they got caught? Let’s see . . .

DeSalvo was disgusted with the fact that several emails of these “climate scientists” openly advocated physical violence against those whose scientific inquiry resulted in different conclusions than their own. Does it surprise you that not one, among the many recipients of that latter emails, voiced strong protest, or at least “chagrin” regarding their email-receipt-association with criminal threats? Not one !

In your interview with PBS you stated, ***“You’re not allowed to commit fraud.”*** What about open threats of physical violence; is that allowed Mr. Attorney General?

It is no surprise that not one attorney general or government official pressed charges against those ClimateGate “scientists” that documented their criminal intent. All of you ‘looked the other way.’ Alternatively, if you find a similar intent indicated, in the slightest, in the documents you receive from Exxon-Mobil, is it also your intention to also just ‘look the other way’ ?

One more point on ClimateGate, since this too is indicative: What if the whistleblower release of the East Anglia HADCRUT emails had ‘gone the other way’? What if the 60 megs had confirmed your underlying theme against Exxon-Mobil, that indeed ours *“is a planet on the edge”*? What if these scientists were all emailing the opposite (of what was actually exposed)? Does anyone believe that the false accusation, that release of the ClimateGate emails was only a matter of “hacking,” would have been promoted by the media? By Big Academia? By you? In this alternative evidence scenario, would you have buried the hacking allegation, while praising the HADCRUT “scientists”?

Climate Change Imbroglia: The Middle Ages, Hockey Sticks, and the IPCC

In a paper written for the science journal Ecology, Cornell Professor Charles Greene ranted:

"The rate of warming we are seeing is unprecedented in human history."

That statement is known to be rubbish. But the basis or, more accurately, the history of the fabricated "scientific" justifications for these outbursts, already well documented, is insidious.

It is well-known that rapid climate change, and a global warming, took place during a period that was one of the most pleasant in human experience: The Middle Ages (800 to 1300 AD). So-called climate scientists label this period with an acronym, MWP for Medieval Warm Period. So, the recent trend in warming is anything but "*unprecedented*," and neither it or the MWP was caused by CO₂. Competent and honest research confirms that many prior warmings, such as during the Roman Empire, have been censored or stifled from so-called "peer reviewed journals."

Again, it is the fabricated justifications that form the basis of the insidious rant above. One such notorious item, one they want us to forget about, is called the 'hockey stick graph.' In my widely copied email, which was addressed to Greene of November 8, 2008, I ask:

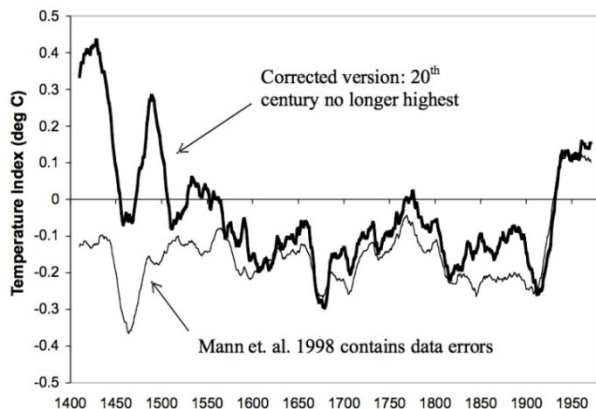
"Are you referring to the 'hockey stick' issue when you make that ("unprecedented") claim? . . .
Please address the 'hockey stick' question above."

As anticipated, Greene directed his response only to me, not to the open recipients. And he hid from the 'hockey stick' issue entirely. Instead, in a condescending response, Greene declared:

"My comments are based on the IPCC 4th assessment report . . ."

I say 'hid' because the central theme of the pseudo-alarmist rant contained in the 4th Intergovernmental Panel on Climate Change (IPCC) assessment report (AR4) is based on the fraudulent notion that the warming of the Middle Ages never occurred. I say 'pseudo-alarmist' because true scientists, when not burdened with the urgency and rigors of fundraising, and when speaking "off the record," are not in a state of alarm about recent short-term temperature data.

I am reviewing this because people in your position and media outlets such as PBS, frequently rely on governmental reports as their primary evidence. Regarding various, but discredited IPCC Assessment Reports, you may not be aware of the numerous routines that are buried in those reports, which are alleged to be peer-reviewed science, and alleged to be written by scientists. The details of the roundly discredited sputum called the 'hockey stick' go beyond the scope of this letter:

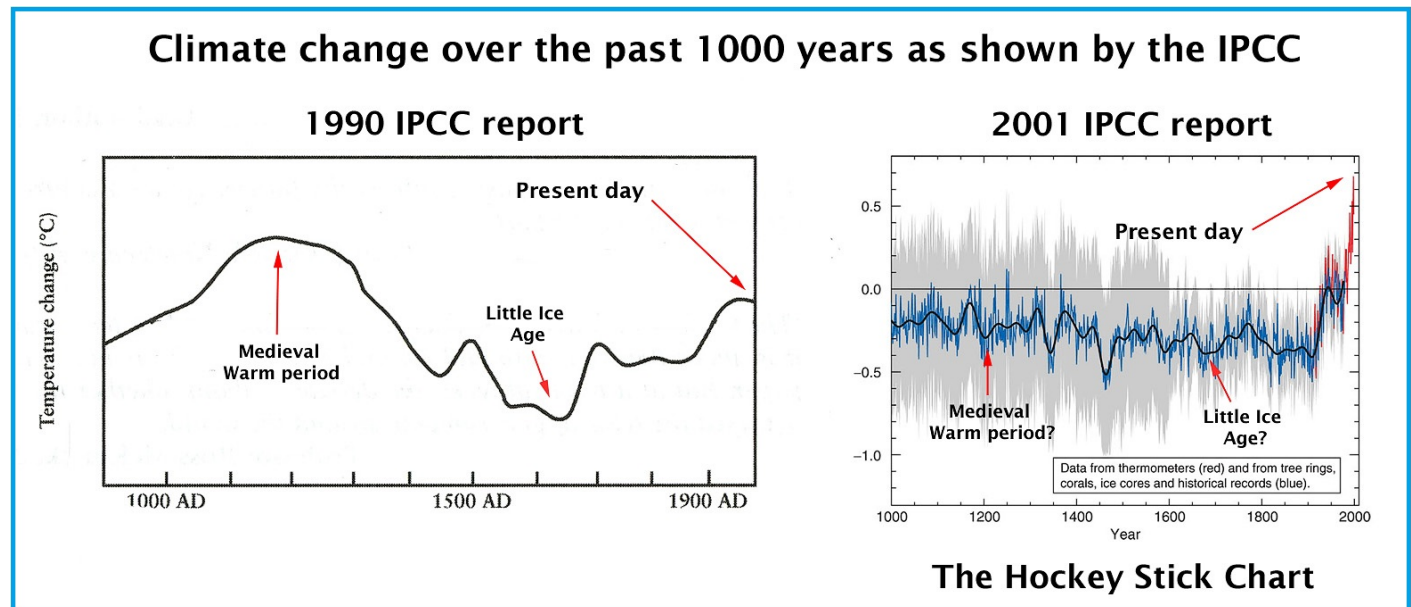


However, the covert purpose of that 1998 graph created by Professor Michael Mann, now at Pennsylvania State University, needs to be re-emphasized. (shown with Bill Nye, Cornell AGW proponent, and narrator of the discredited, grammar-school-ish Al Gore "*Climate 101*" video).

Climate Change Imbroglia: The Middle Ages, Hockey Sticks, and the IPCC – con't

Specifically, in their attempt to prove that human sources of CO₂ were driving a “rate of warming ... **unprecedented in human history,**” they had to eliminate the temperature record of the Middle Ages. To state that this was a conspiracy is generous. Indeed, it amounts to criminal fraud on a global scale . . . but not one Attorney General demonstrated concern.

Ironically, the Mann ‘hockey stick’ is not the first attempt to re-write natural history (in the effort to fund and justify the AGW agenda). The initial attack on the temperature record of the Middle Ages came from Professor Keith Briffa:



And who is Briffa, and where did he work at the time of his initial assault on the MWP? Does it surprise you that he was a fellow at East Anglia University, and was employed at their Climate Research Unit, the focus of the ClimateGate criminals? Briffa was a Lead Author of the IPCC AR-4 the very same farce that Cornell Professor Charles “unprecedented” Greene relied on according to his emails?

Schneider, Greene, Mann, Nye, Briffa, et al., have declared, far and wide, that the twentieth century temperature data represents the warmest global climate in over a thousand years. That declaration is not merely a mistake, **it's a bold-faced fraud.**

When I reviewed this background with DeSalvo, specifically the ClimateGaters at East Anglia University and the intimacy of their Climate Research Unit with the authorship of the IPCC Assessment Reports, he dismissed their role by saying, “Well, they're certainly part of it.” **Nonsense.** The ClimateGaters are deeply imbedded in the IPCC; they were central . . . and remain representative.

I continue below with a discussion on the IPCC, and its parent organization the United Nations. But first we must review a topic that grammar school level children can comprehend with no difficulty . . . provided that those young students are presented with rudimentary tools and facts.

Climate Change Imbroglia: The Fraud of “fossil fuels”

On November 12, Cornell President Elizabeth Garrett spoke about “*sustainability*.” The core of what she alleges constitutes sustainability is “*improving current climate trends*.” Her nonsense included marketing vernacular for plans to turn New York into a “living laboratory.” Garrett also parroted the agenda which reduces “*carbon emissions*” by reducing the use of a “*fossil fuels*.” Other than checkout-counter rag gibberish, there is no such thing as a “carbon emission,” and there is no such thing as a “fossil fuel.”

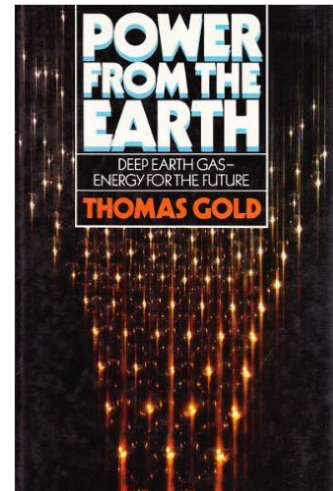
There are two major groups that benefit from, and will continue to promote the term “fossil fuels”: Big Oil and Big Green; neither truly cares about sustainability in the altruistic sense. But this terminology detail is not trivial, having implications from incompetent domestic public policy, to exploration & extraction techniques, to warmongering chessboard foreign policy. Perhaps you and Garrett can claim innocence by virtue of your ignorance; not diatribe, you are both lawyers, not scientists.

Members of Big Oil and Big Green have no such excuse, and are insidious in their promotion of “fossil fuels.” Big Oil promotes that term with scarcity & pricing as their motivation: Finite biological detritus implies limited deposits. Big Green is motivated by their notion that ancient biospheric CO2 absorption (through aspiration) resulted in the subsequent “re-releasing of carbon dioxide by human burning.”

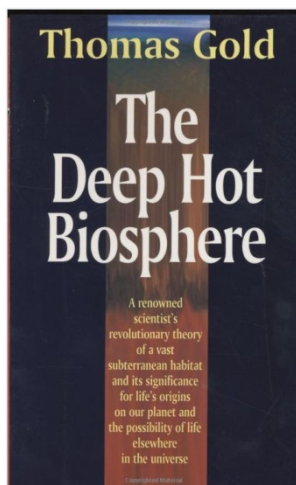


But of all the members of Big Green, my alma mater should be the most ashamed to continue regurgitating “fossil fuels.”

I was personal friends with the late Cornell Professor Thomas Gold for over a decade. I spent hours with him, his dogs, and his wife Carvel. I had dinner at their house, at Ithaca New York restaurants, and in the Gold's backyard at Pleasant Grove Lane. I spent untold hours in Gold's upstairs study room.



One of the most important contributions that Gold made to science, one that is well-known at Cornell, was his promotion of the Abiogenic Theory of Oil. At no time did Gold propose that this theory (that Planet Earth's enormous quantities of oil, methane and coal had origins in non-biological processes) was his own. To the contrary, his book ‘Power from the Earth,’ confirms the credit Gold gives to the original Soviet scientists who developed and gave pragmatism to these geological concepts.



I followed up on my conferences with Dr. Gold by publishing articles that further the process he began; that is, to make the original Soviet concept on geological sourcing of carbon and hydrocarbon substances understandable to the layperson. One such article is based on ‘The Deep Hot Biosphere.’

I offer greater detail of this section in Attachments 1, 2 & 3 where I included my article ‘The Origins of Oil.’ Again, the member of Big Academia that should be most ashamed, for regurgitating the term “fossil fuels,” is Cornell University.

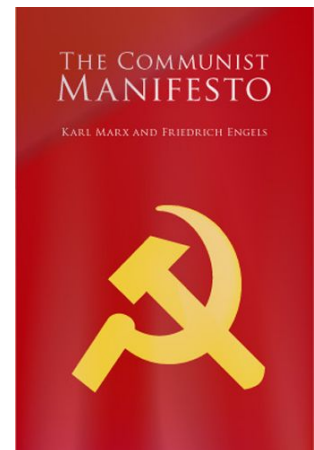
I will conclude this cover letter section by stating flatly that the term “fossil fuels” has no connection to physical reality, especially in the context that you and the media . . . and Big Oil and Big Green ~~use it~~ exploit it.

The IPCC Fertilized in the League of Nations, Born in the United Nations

It is important to know the “seed” from which the IPCC has germinated; having such knowledge and perspective assists with not merely an explanation of its behavior, but anticipation of that behavior. In other words, it is important to analyze the “public record” of whence the IPCC cometh, in order to project the existing and probable trajectories for the future.

The tenor of the IPCC is a predecessor “intergovernmental panel” called the League of Nations. It was formed in January 1920 at the “conclusion” of World War I. Associated with the League are the following accomplishments, all of which occurred without protest from League member states; a sampling:

- A. The so-called “peace” Treaties of Versailles and Saint-Germain
- B. The Dawes and Young “Reparations” Plans
- C. Sykes-Picot Agreement
- D. Murder of German diplomat Ernst vom Rath in Paris by Herschel Grynszpan
- E. The “liquidation” (i.e. betrayal) of Eastern Europe by USSR by the brutality of its “Red Army” after the four conditions of Vyacheslav Molotov were rejected out-of-hand
- F. Massacre at Slonsk
- G. City of London naval blockade resulting in the starvation/disease of one million Germans after WW I
- H. Murdering of thousands of ethnic Germans in Sudetenland by Czechoslovakian authorities, the true precursor to the Munich Peace Conference
- I. Transfer Agreement or Haavara of August 25, 1933
- J. Class agitation originally incited by Theodor Herzl as part of his “Final Solution” (original use of phrase)
- K. “Bloody Sunday” in the City of Bromberg
- L. Fire-bombing war crimes against the civilian, non-military city of Dresden, Germany
- M. The Morgenthau Plan
- N. The deployment of two atomic bombs on Japanese civilians
- O. Massacre of over 5000 by the NKVD in the forest of Katyn, Poland
- P. The Holodomor or “hunger-extermination” of 7.5 million Ukrainians by Bolshevik Iosif Vissarionovich Dzhugashvili
- Q. Declaration of war on March 24, 1933 which orchestrated World War II
- R. Berlin Wall
- S. The Nuremberg Tribunal
- T. Awarding of the Nobel Peace Prize to the International Committee of the Red Cross (ICRC) for its review of WWII German internment facilities and 1600-page ICRC report regarding life in those facilities
- U. Endorsement of, and the funding of the most dangerous nation in history (inspired by Karl Marx book *The Communist Manifesto*): Union of Soviet Socialist Republics (USSR) and its stated priority of world domination
- V. London announcement on October 6, 1940 of a “**New World Order**” (NWO).



Such is the birthright of the UN and its IPCC offspring.

The NWO was first coined on October 6, 1940 in London. The term ‘United Nations’ was coined in 1942 by Theodore Roosevelt, shown with Premier Dzhugashvili. The so-called “assets” of the League were transferred into the newly formed UN in 1946.

But Item U implies that the NWO trajectory of the UN rarely involves uniting. **Indeed, its primary intended role has always been global governance** which was the openly stated and central theme of the Bolshevik Revolution.

This is not to say that the underlying concept of a world united in peace is faulty *per se*, or that criticism of its ongoing failures is diatribe, or the grist for ‘conspiracy theories.’ The misuse of the UN, including the aegis of a blatantly flawed and fraudulent IPCC agenda, is germane and a matter of public record.

Having briefly looked at the associates-you-keep, let us continue that review but in the context of your public record as exemplified by quotations from you during Reference 1.

Climate Bolshevism versus the Tyranny of the Scientific Method

It is no surprise that you too would stoop to the routine of labeling those who disagree with your agenda. During your interview with Woodruff, who accepted your labeling in stride, you babbled the vernacular:

“denier”
“climate change deniers”
“climate denial organizations”

It was clear while you spewed these labels, that such was shameless, and unrehearsed. It exposed your true person, and your predilection for innuendo and defamation, not truth or due process. The above characterizes your “contribution” to the public record climate science. But you are not alone.

To realize how far people will go, we need to review the context, the genesis and the long-term intention of this particular labelling routine. We review recent “legal” developments which are consistent with the trajectory discussed above (regarding the NWO, the United Nations and its IPCC horde).



That trajectory involves an 87-year-old German lady, Ms. Ursula Haverbeck. Most will argue that her plight (currently serving a 10-month prison term for disagreeing with the Nuremberg Tribunals, and its claims about Shoah Theology) has nothing to do with climate science. Most argue that the court-ordered banning of the free thought group *Collegium Humanum*, has no relevance to the instant discussions about the relationship between CO2 and global temperatures. **WRONG !**

I agree that any theology has no standing in the conduct of the scientific method, and that interjecting theology, which has a long torrid history of stifling science, will be counterproductive to true environmental concerns. I agree that only the desperate charlatan would interject theology into climate science. We must not tolerate such buffoonery.

But a stampede has done so, with encouragement, impunity, and now media participation by the New York State Attorney General.

These putrid tactics are not new, nor is such behavior restricted to a particular theology. In 1600 the Dominican friar Giordano Bruno was burned by the Inquisition for heresy. We do not know which specific “heresy” Bruno refused to recant; the Vatican has conveniently lost the records. What we do know, is that he was imprisoned by charlatans who chose money, power and theological agenda over truth, justice and science.

As we see below, Vatican interjections on climate science are as intrusive today as its input was in the 16th century when Bruno described the physical heavens in ways not coincident with what was “known.” Bruno’s admonishing precept:



“Truth does not change because it is, or is not believed by a majority of the people.”

Such basic precepts also had no effect on the plight of Ms. Haverbeck. Given your tacit endorsement of what follows, and suspected upcoming efforts to attain similarly premised legal wherewithal, you too will resort to theological interjections and implicit subversion of the scientific method. Rather than submitting to, what I call, the Tyranny of the Scientific Method, your ilk will stoop to “democracy,” and the opinion of “a majority of the people,” including the notion that vested interests such as ClimateGaters comprise a viable “consensus.” Were these matters not so serious, your position would be laughable. We next document how the vernacular you deployed is purposely similar to that inflicted upon Ms. Haverbeck.

Climate Bolshevism versus the Tyranny of the Scientific Method – con't

Before we review climate bolshevism, let us emphasize the focus of this debate: Does carbon dioxide from any source, especially the human sources, drive climate change, specifically “global warming”?

On Page 3 video above we offer the “contribution” of Al Gore to the allegation of a “planet on the edge.” What other buffoonery has he contributed, and potentially initiated? And is he alone?

*"Clouds of a different sort signal an environmental **holocaust** without precedent. Once again, world leaders waffle, hoping the danger will dissipate. Yet today the evidence is as clear as the sounds of glass shattering in Berlin."*



Gore is not alone interjecting Shoah Theology into climate bolshevism. This tactic confirms that the scientific method is the last activity that the horde below wants “a majority of the people” to comprehend.



Relating to the page 3 video, and the fraud that polar bears suffer during warming cycles of Planet Earth, is author of ‘How Global Warming is Destroying One of the World’s Largest Wilderness Areas,’ Mr. Chad Kister:

*"Others working to derail this critical piece of legislation will be seen as the Adolf Hitlers of our day, contributing to a **holocaust** vastly eclipsing the horrors of World War II."*

One of the most despicable of climate bolshevism is Ellen Goodman of the Boston Globe:

*"I would like to say we're at a point where global warming is impossible to deny. Let's just say that global warming **deniers** are now on a par with **Holocaust deniers**, though one denies the past and the other denies the present and future."*



In his December 2009 article the banker David Federer uses the term “holocaust” SIXTEEN times. An example of his climate bolshevism:

*" Currently, about 300 thousand people die every year from the effects of climate change, with another 325 million seriously affected, primarily because of reduced access to fresh and safe drinking water. At its core, global warming **denial** is like **Holocaust denial**, an assault on common decency. "*

Rebuttal of any notion that the undersigned interjected the Nuremberg Tribunal into climate bolshevism comes from Mr. David Roberts:

*" It's about the climate-change **denial** industry. We should have war crimes trials for these bastards - some sort of climate **Nuremberg**. "*



Climate Bolshevism versus the Tyranny of the Scientific Method – con't

Relating to the tactic of muzzling the news media, such as PBS, we have a person claiming to be a physicist, Mr. Joe Romm of Climate Progress:

*"Would PBS go so far as to give air time to an even more extreme kind of disinformers, a **Holocaust denier**?"*

Relating to the roundly discredited Al Gore film, 'An Inconvenient Truth,' most especially its glossing-over of the correlation detail between atmospheric CO2 and historical global temperatures (see #7, Page 19 above), we have Mr. Jon Niccum:

*"An Inconvenient Truth is so convincing that it makes opposers of the argument as credible as **Holocaust deniers**."*

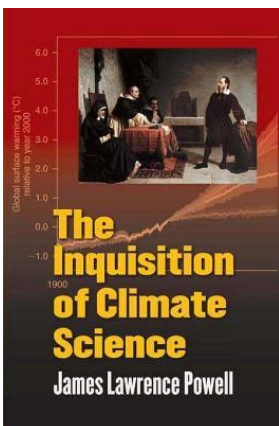
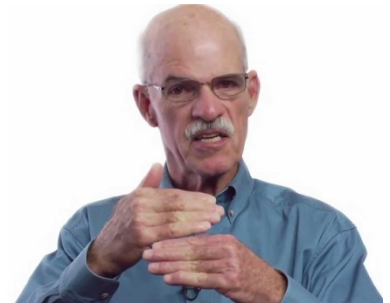


Promoting the farcical Big Bang theory, a Big Academia cosmology that is crumbling day-by-day, we have the astronomer Phil Platt:

*"A lot of them complain because they say the word **denial** puts them in the same bin as **holocaust deniers**. That's too bad. But the thing is, they do have something in common: a **denial** of evidence and of scientific consensus."*

A group that goes by the title 'National Physical Science Consortium' is led by James Powell. His duplicity is typical. His complaints about those that resist climate bolshevism include:

*"Those who abjure global warming are not skeptics; they are **deniers**. To call them skeptics is to debase language as much as to call the Ku Klux Klan 'prejudiced, **Holocaust deniers** 'biased,' or Flat-Earthers 'mistaken.'"*



And where did Powell write those grotesque, slanderous, duplicitous words? On Page 4 of his Columbia University book, "**The Inquisition of Climate Science**"!

So, out of one side of his mouth Powell slanders those who disagree with his opinion on AGW based climate change, using the Shoah theology as his basis, but then he lays claim to credibility by ostensibly declaring that disagreement is the equivalent of the Inquisition, another theology based charade!?

Powell is not alone in his duplicity. None has declared 'global warming' has not occurred; there is disagreement over the AGW premise regarding CO2.

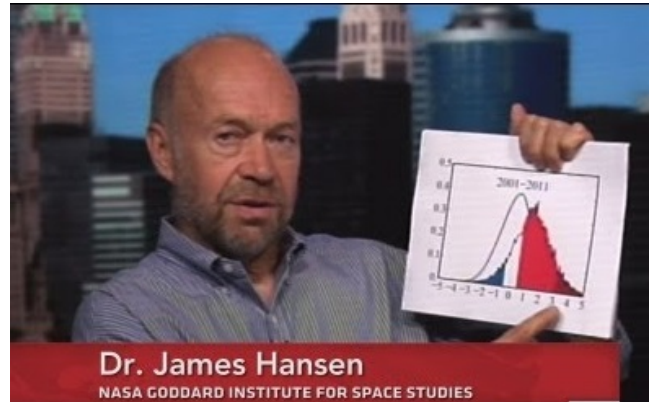
None of this has any connection to Rome or Jerusalem. But this buffoonery typifies the climate bolshevism of vested interests within Big Academia.

Climate Bolshevism versus the Tyranny of the Scientific Method – con't

The above list is a sampling; there are hundreds of additional examples, all equally repulsive and representative. But the most despicable is from former NASA official and climate profiteer Dr. James Hansen. In news articles, science papers, and during sworn testimony Hansen has made the following grotesque statement:

“ If we cannot stop the building of more coal-fired power plants, those coal trains will be death trains – no less gruesome than if they were boxcars headed to crematoria . . . ”

Later, true to his person, Hansen attempted to backpedal from the obvious mental association he intended for the global community. I contacted a friend of Hansen who confirmed, without hesitation or specific solicitation on the point:



“ Jim tends to talk like that because he's, he's really passionate about this being a real crisis, and people are standing in the way of dealing with this for political means. He's upset about that. He's used the term 'coal trains.' He's likened them to trains bringing Jews to concentration camps; trains of death. He tends to be very extreme in his imagery. ”

Relating to the R² discussion on Pages 5/6 above, to my 'simple question,' and to Reference 2, it appears that when its time for media hype and showboating, Hansen-types have no problem ostensibly answering the question. At COP21 in Paris, Hansen just ranted that the answer is 100%:

" It's absolutely 100% certain that we've got a very dangerous situation and for us to say we are not going to use all the tools that we have to try to solve is crazy "

But we must re-emphasize confirmation about Hansen's intended imagery because I anticipate that you too may attempt to backpedal from the obvious 'mental association' that you intended during your use of the three terms documented on Page 12 above and Page 17 below.

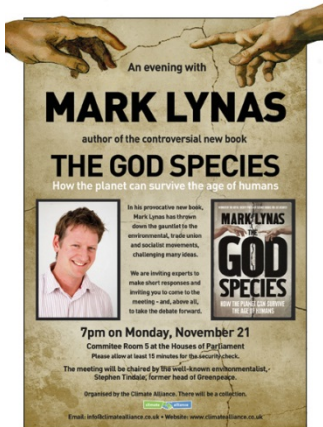
So, to assist readers that may not be esoterically initiated in your area of word-smithing, we review and connect your PBS vernacular to a quote from Professor Robert Manne:

" Denialism, a concept that was first widely used, as far as I know, for those who claimed that the Holocaust was a fraud, is the concept I believe we should use."

It is clear that, during your internationally televised November 10, 2015 interview with PBS, you intended to associate and defame the employees and affiliates of defendant, Exxon-Mobil, with the slanders, stigmatism, and the concept of "Holocaust Denialism."



Before we conclude this section, by returning to the plight of Ms. Ursula Haverbeck, we must elaborate on what I referred to as "similarly premised legal wherewithal" (Page 12) and how these matters are connected to what I suspect is an additional but unstated motivation behind your lawsuit against Exxon-Mobil. This will require two more examples of climate bolshevism.

Climate Bolshevism versus the Tyranny of the Scientific Method – con't

Of the bigotry suffered, none is more Satanic than those who hate human beings. City of London aficionado Mark Lynas, author of the book, *'The God Species: How the planet can survive the age of humans,'* rants:

*" I wonder what sentences judges might hand down at future international criminal tribunals on those who will be partially but directly responsible for millions of deaths from starvation, famine and disease in decades ahead. I put this in a similar moral category to **Holocaust denial.**"*



Lynas is one of many that climate bolsheviks that associate Shoah Theology to the AGW accusations surrounding carbon dioxide, and on that basis advocate for criminal prosecution of those who merely question or out-rightly disagree with the latter premise. But let us connect your person to a similarly premised legal wherewithal that you potentially seek:



Margo Kingston is another climate bolshevik motivated to incarcerate :

*" David Irving is under arrest in Austria for **Holocaust denial.** Perhaps there is a case for making **climate change denial** an offence - it is a **crime against humanity after all.**"*

On page 12 above I promised to review recent legal developments, and how these relate to your (unstated) intention to increase your legal wherewithal with respect to, what you labeled as, "climate deniers."

These so-called "sovereign nations" make any form of disagreement, stated in public, with any aspect of the Shoah Theology punishable with mandatory prison sentences: **Australia, Austria, Belgium, Bosnia & Herzegovina, Czech Republic, France, Germany, Hungary, Israel, Liechtenstein, Lithuania, Luxembourg, Netherlands, Poland, Portugal, Romania, Spain and Switzerland.** Shame on all of these.

Laws enacted in these countries include the farce of incarcerating the lawyers representing alleged offenders of "spreading hate" laws. The most egregious of these legal developments includes Attorney Sylvia Stolz of Germany, who has already served a 3½ year prison term. She is now serving a 20-month term from a February 2015 "conviction" for a speech of 2012 in Switzerland wherein she did not deny anything related to the Shoah; she merely discussed her opinions about court procedures, banned evidence, banned legal defenses, and free speech!



On Page 14 above Mr. Powell feigned his concern about the Inquisition, but failed to mention that such recently occurred against Bishop Richard Williamson. The good Bishop was excommunicated under the ludicrous charge of having "*precipitated a crisis in (the) Benedict XVI papacy*" by denying selected details of Shoah dogma. Reminds one of the 1953 House Un-American Activities Committee testimony of Dr. Bella Dodd, and how all of this resonates with the open subversion of due process that was openly intrinsic to the Nuremberg Tribunal.

Climate Bolshevism, “Holocaust Denialism” and the Intent to Enact “Climate Denialism” Laws

Let us remind the reader how this section began. In your PBS interview you repeatedly and purposely used the following highly tainted vernacular, which Woodruff swallowed without hesitation:

“denier”
“climate change deniers”
“climate denial organizations”

There was nothing subtle about your use of that vernacular. You used it for the purposes of slandering and stigmatizing defendant Exxon-Mobil. Your purpose was to defame the defendant, and anyone who disagrees with your agenda, with the promoted vernacular associated with “Holocaust Denialism.” You did so in no uncertain terms; in the spirit promoted by, as just one example, Professor Manne (page 14). It was unrehearsed and indicative of your true character . . .



But what have been the official responses to the climate bolsheviks, who routinely use the “denier” vernacular, from organizations like the Anti-Defamation League (ADL)?

Not a peep! In January 2014 former ADL Chairman Abe Foxman wrote *‘Inappropriate Comparisons Trivialize the Holocaust.’* So . . . in such, or in his speeches, or in any forum, did Foxman, or the ADL, or any organization of its ilk, rail against the trivializing of the Shoah when such relates to the notion that CO2 drives climate?

Do we really need to answer that question?

It is no secret that selected individuals seek to legislate “*Holocaust Denier*” laws in the United States, regardless of their blatant unconstitutionality, which would be fashioned upon those that already exist in the countries listed above (page 16).

In the spirit spewed by Lynas and Kingston, as just two examples of climate bolsheviks (page 15), it is not a (legal) stretch, given what was exposed on PBS, to presume that your real but unstated intention is to precede to having the Legislature in Albany cow-tow to your demand that “Climate Change Denialism” laws be fashioned upon the “Holocaust Denial” laws, with a specific focus on making alleged violation of such subject to mandatory prison terms.

Whether litigating against historian David Irving, or the opinion of 87-year-old Ms. Ursula Haverbeck, people such as you are now maneuvering to likewise institutionalize the criminality of opinions that disagree with your ignorant notion that CO2 drives global climate. Rather than submit to the Tyranny of the Scientific Method, you intend to enact laws fashioned upon “*Holocaust Denial*” laws; not protecting our Constitutional liberty, but submitting the citizen to further tyranny under climate bolshevism.

Likewise, your “Climate Denialism” laws would include mandatory prison terms, such as the 10-month-term inflicted upon the lady pictured at right. Mr. Attorney General, you and the bolshevik stampede documented above has not fooled anyone . . . but Yakov Yurovsky would be proud!



Just to make the record clear, no person of my ilk has ever made a connection, legal or otherwise, between climate science and any theology. Such is not the case with the buffoons of climate bolshevism who openly and repeatedly “*trivialize the Holocaust*” when it suits their agenda.

As promised on Page 3, the above is a brief review the associates-you-keep.

Conference of Parties (COP-21) in Paris, GlacierGate, and the \$125,000,000,000,000.00 Voila !

These days, what kind of people win Nobel Prizes? Are they accused sex perverts? Accused rapists? Are they forced to resign in disgrace from posts that are globally visible? Are they active in climate bolshevism and its use of the defamatory “denier” vernacular? Do these Nobel laureates do so in their official capacity as heads of the UN IPCC? Is documentation that confirms the above activity (and much more) available to attorneys general? **Do we really need to answer these questions??**

On page 3 above I mentioned the ‘associates you keep.’ There is at least one more from the climate bolshevik horde, former head of the UN IPCC Dr. Rajendra K. Pachauri. Referring to climate scientist Bjorn Lomborg of the Copenhagen Consensus Center, a group that participated in the COP-21 conference, the former head of the IPCC Dr. Pachauri babbled :

"What is the difference between Lomborg's view of humanity and Hitler's? ...If you were to accept Lomborg's way of thinking, then maybe what Hitler did was the right thing."

Your associates are “trivializing the holocaust” when it suits their agendas. Similar to your interview with PBS, and your lawsuit against Exxon-Mobil, Dr. Pachauri openly defames Lomborg with stigmatizing slanders associated with details of the Shoah dogma . . . without one word of admonishment from you or Abe Foxman.



Dr. Pachauri, founder of GlacierGate, would prefer that the human community remain ignorant of the COP-21 findings of Dr. Lomborg in his report ‘Impact of Current Climate Proposals.’ But I am confident that the Attorney General’s office in Albany, New York will openly share its details with the New York taxpayer. Especially since this report is DIRECTLY related to your lawsuit against Exxon-Mobil and your PBS interview allegations about “renewables” and their costs:

“ Subsidizing inefficient renewables is expensive and doesn’t work. The IEA estimates that we get 0.4% of our energy from wind and solar PV right now, and even in optimistic scenarios the fraction will only rise to 2.2% by 2040. Over the next 25 years, we’ll spend about \$2.5 trillion in subsidies and reduce global warming temperatures by less than 0.02°C. ”

The only people laughing harder than Federal Reserve Chairman Janet Yellen, are the ghosts of December 23, 1913. The latter assumed and promoted that global warfare was the quickest way to enrich their private selves, through massive public sector debt. But now, in the modern era, along comes the climate bolsheviks who, by comparison, make the ghosts of 1913 look like a bunch of overturned tables at the Temple of the Moneychangers. Bernard Baruch would be proud.

Extending the math of Dr. Lomborg contained in his peer-reviewed paper, in order to “save the world” from a measly 1°C increase (and assuming a 50x linearity) would equal government subsidies of a mere \$125,000,000,000,000.00. That’s a One-Hundred-Twenty-Five-TRILLION dollar increase of debt owed to the private banking system of the world.

In other words, we did not need World War I, World War II, the inaccuracy of the Nuremberg Tribunal, the “spreading of democracy,” or any of the traditional parasitic Grand Chessboard methods. All we need is a convincing global scare, endorsed by scientists to whom we give Nobel Prizes, make any disagreement punishable with mandatory prison terms, have a gala in Paris . . . and **VOILA!**

Even a Cornell University MBA can figure this one out . . . *Jacob Schiff would be proud !*

Concluding Facts

You have noted that NO presidential candidate, notably Donald Trump, has trifled with the Temple. However, after serving you dinner Trump made the following statements about your character:

" This guy (Eric Schneiderman) is bad news. He's disliked by practically everybody. I'm just shocked he continues to hold office. He is a total lowlife, a sleazebag who hates Governor Andrew Cuomo and would love to be governor someday. "

We could ask you, 'How it feels to be slandered? How does it feel to be stigmatized? How does it feel to be defamed with vernacular that befits the descriptor, gutter talk? With vernacular that has zero connection to the issue at hand?

The vernacular used by climate bolsheviks, **and parroted by you on Reference 1** such as "climate denier," also merits that 'gutter talk' descriptor. It is vernacular unbecoming the office of attorney general, especially for my home state of New York.

It is my understanding that JCOPE dismissed Mr. Trump's requested ethics investigation on you relating to your lawsuit against Trump University. But the mendacity of closed-door panels which operate under the same tenor as the one-sided whitewashing at East Anglia University and its disposal of ClimateGate, have no genuine ethical standing (The nonsense from Sir Robert Muir-Russell was equally inane).

Before I leave the associates-you-keep discussion, and make formal requests to conclude this short letter, I am compelled to review the most putrid example of climate bolshevism to-date. It correlates perfectly to the Page 14 discussion wherein I warn you against any attempts to backpedal, and an implicit failure of such backpedaling due to your connection to the Professor Manne quote.

Your defamatory intent on PBS, by use of the vernacular listed in Pages 11 & 16, is indisputable and a matter of public record. But the following is representative of recent attempts at backpedaling, implicitly steeped in deflection and diversion, by a "climate writer" named Ms. Jean Chemnick.

Concluding Facts – con't

In a classic attempt to backpedal her brethren out of their open practice of “trivializing the Holocaust,” the Jean Chemnick article, ‘*There's no denying this label packs a political punch,*’ spews the following :

“Many who use ‘denier’ say they don’t mean to equate those who dispute climate change with those who don’t believe in the Holocaust. Climate ‘deniers’ push that narrative as a diversionary tactic, they say, and as a way to tar mainstream scientists.”



Ohhhhhh, so it’s those darn Shoah Theology oriented “climate deniers” that initiated and equated the defaming ‘holocaust denier = climate denier’ vernacular?! Utter nonsense to the point of libel.

In truth it is the reverse; it is people like Professor Manne, the climate bolsheviks, and New York AG Schneiderman that initiated and equated ‘holocaust denier’ with those who disagree about AGW.

Chemnick is trying to convince someone that it’s the scientists defamed as “climate deniers” that originally inserted the Shoah “narrative” into climate science. Embracing the likes of Schneider and Pollard, Chemnick’s article is not a mistake, **it’s a bold-faced lie**. She is about as clever as a big yellow stinking garbage truck at 5-in-the-morning, rumbling through the streets of Brooklyn with no muffler.

In the context of the associates-you-keep, and Donald Trump statement about you, Chemnick is also the type of associate you have hosted at the taxpayer-funded New York Office of the Attorney General.

Unlike a plaintiff’s firm your budget is nearly unlimited (through the never-balanced budget, for which the Albany Legislature is notorious) for pursuing your personal “climate denier” agenda. Instead you should concentrate your efforts on genuine issues that concern the New York taxpayer, those you swore an oath to serve. Indeed, I cannot document your notion that the voter is clamoring for a “global warming” lawsuit against an oil company. Do you have any such evidence?

Adhering to the ethical standard proposed by Stephen Schneider (page 4 above) is insidious, and may have led, in the collective sense, to your misinformation versus what constitutes true environmental stewardship. The practices of efficient use, non-abusive acquisition of resources, and the issue of minimizing human contribution to pollution are certainly part of true stewardship. In this context, since CO2 is neither a pollutant nor a contributor to “climate change,” spending TRILLIONS chasing the CO2 issue, as you ostensibly propose, **is absurd if not criminal**. Some basic facts/corrections:

1. Unlike the sputum from Ms. Chemnick, no sane human being has ever claimed that climate does not change. That you used the term “climate denier” is confirmation in-itself that your use is defamatory.
2. There is no such thing as a “*carbon emission*,” and therefore there is no such thing as a “*carbon footprint*.” Carbon, per grammar school chemistry is a solid element. It is part of gaseous compounds such as the molecules of carbon monoxide, which is poisonous, as well as carbon dioxide which is not.
3. Carbon is one of, what evolutionary biologists call, **The Primordial Dozen**, which have been identified as the original constituents of the transition from non-biological reactions to those wherein life arose. The other eleven are H, N, O, Na, Mg, P, S, Cl, K, Ca, and Fe. The rest of the story goes beyond the scope of this letter, but people whose motivation is diversion and whose predilection is to defame others are usually too consumed by those motivations to learn basic facts; like the blessing carbon offers our unique world, and the fact that it existed long before life and therefore, in both elemental and most molecular forms, did not originate from decaying detritus.

Concluding Facts – con't

4. At the current “official” atmospheric concentration of 380 parts-per-million, green plant life, which aspirates CO₂, is near asphyxiation. The rant from **James “death trains” Hansen** that 500 ppm is a “tipping point” from which biological oblivion is inevitable is not a mistake, **it’s deliberate scaremongering**. It is well-known that chlorophyll dependent systems flourished during periods of 1500 – 2000 ppm.



5. As a practical example that you, Sir Paul McCartney and marijuana legalizers will appreciate, the sale of ‘Carbon Dioxide Generators’ is at an all-time high as growers seek to cash-in on robust pot crops, which result from 2000 ppm CO₂ environments.

6. Dr. Sherwood Idso shows the effect of elevated CO₂ levels on Pine tree growth. Biomass increases of over 200% are typical.

7. On Page 6 we detailed R² values for recent, short periods. Historically, the long-term, the duration that matters, it is **well-known** that historically CO₂ does **NOT** lead global temperature increases, but **FOLLOWS** it. The R² value is high and negative. The temperature response lag over the long-term, as demonstrated by innumerable data formats, is approximately 800 years.

**Requests**

The following preliminary requests are made of you and your office:

1. You are not to use the derogatory and defamatory terms “*denier*,” “*climate denier*,” and/or “*climate denier organizations*” in future media interviews, legal proceedings or filings, or in any way related to your capacity as Attorney General. Use of those terms, and similarly comprised terms, are undignified and besmirch the AG Office and your person.

2. You are not to attempt to enact or even promote “*Holocaust Denial*” laws similar to those that have been enacted in the countries listed on page 15, which include mandatory prison terms. In the United States the Constitution specifically prohibits/separates the collusion of “*church and state*,” here, “*Holocaust Denial*” Laws would collude Shoah Theology with laws of the State, and any attempt to enact such laws is treacherous to the point of being treasonous.

3. You are not to attempt to enact or even promote “*Climate Change Denial*” laws, fashioned after the “*Holocaust Denial*” laws (discussed in Request 2 and Pages 14-16 above), nor are you to attempt to enact such laws to include mandatory prison terms.



Requests – con't

4. You are to denounce, at least in your the day-to-day operating level, the ethical standards that seem to permeate the behavior of many climate scientists, especially the ClimateGaters, as codified by former Stanford University Professor Stephen Schneider and discussed on page 4, especially since that ethical standard may have also contributed, in some tangential way, to Item 5 next.

5. You are to openly denounce the practice of “*trivializing the Holocaust*,” per the admonition of former Anti-Defamation League (ADL) National Director Abe Foxman, especially as such practice has already been WIDELY deployed by so-called climate scientists, media personalities, news reporters, bloggers, musicians, and politicians such as yourself; particularly when such practices, although blatant in their trivializing, are also blatant in their accommodation of the various agendas of climate bolshevism:



*"Some people don't believe in climate warning - like those who don't believe there was a **Holocaust**."*

Sir Paul McCartney



"It (climate change denial) reminds me in some ways of the debate taking place in this country and around the world in the late 1930s – there were people - who said 'don't worry! Hitler's not real! It'll disappear!'"

Democratic Party Presidential Nomination Candidate Bernard Sanders

6. You are to continue with your lawsuit against Exxon-Mobil, especially as such activity succeeds in making available all scientific studies documents. I am especially interested in all Exxon-Mobil documents, either generated directly or through contracted agents, that discuss findings of atmospheric carbon dioxide levels during the most recent planetary Ice Age, aka the Younger-Dryas Period:

- a. I am particularly interested in all historical documents, as transferred from Standard Oil Company of New York and Standard Oil of New Jersey into the Exxon-Mobil organization, that in any way detail the causes for the conditions detailed in **the 1922 Artic report contained on page 2 above**.
- b. I am interested in all documents at Exxon-Mobil that in any way detail the fact that the term “*fossil fuels*” is at-best a misnomer (mistake), or at-worst a ‘scarcity of biological detritus = limited quantities’ fraud which justifies in-part their PR/marketing rhetoric which supports their price gouging schemes.
- c. Seek all Exxon-Mobil documents that document validity of the farce called “carbon sequestration,” most especially all related documents that confirm that reduction of atmospheric CO2 in this manner will DEFINITELY reduce global temperatures, **in other words studies of the converse to AGW**.
- d. Pursuant to 6b, since the “*fossil fuels*” fraud is central to the AGW fraud, through the conduit of (the inherently false promotion) “re-releasing” as detailed in Attachments 1,2, & 3, you are to make all discovered documents public.

Requests – con't

7. You are to drop your Exxon-Mobil lawsuit upon documented proof that no fraud, relating to your “*climate denier*” allegations exist, however you are to make all discovered documents public, and
- a. Pursuant to 6b above, you are to seek redress in an amended or all-new action, for the New York taxpayers who have been defrauded by the indoctrinations and propaganda deployed by the defendant, as well as various members of Big Academia, under the aegis of your Reference 1 declarations:

“Certainly, all of the (State of New York’s) claims would lie in some form of fraud.”

“You’re not allowed to commit fraud.”

8. Reviewing your Page 1 quote from Reference 1:

“ Were they (Exxon-Mobil) using the best science, and the most competent models for their own purposes? But then telling the public, regulators and shareholders that no competent models existed; things like that. ”

Please identify the source and availability of all “*competent (climate prediction) models*” that you claim exist. You are to identify them as being described by, but not limited to, the models that have been published by the IPCC in any of their report updates: AR-1, AR-2, AR-3, AR-4 and AR-5 (See page 6).

9. Cornell University Professor Frank DeSalvo also truthfully stated (page 5 above):

“ Water vapor itself is a 'greenhouse gas.' In fact it's the most predominant greenhouse gas in the atmosphere. ”

At COP-21, James “*death trains*” Hansen, stumbled into a correct position on nuclear energy, stating:

“ Nuclear power - next generation nuclear power especially - has tremendous potential to be a big part of the solution. ”

Although many declare that such is not viable for Iran, Dr. Death-Trains is correct about nuclear power, but for the wrong reasons: His fraud that CO2 is a pollutant, and has a long-term positive correlation to and is thee cause of global warming.

But in his public support for nuclear power, Hansen lies by by-omission, never specifying that water vapor, the #1 emission from nuclear power plant cooling towers is thee #1 “greenhouse gas.” He states, in other forums when it suits his agenda:



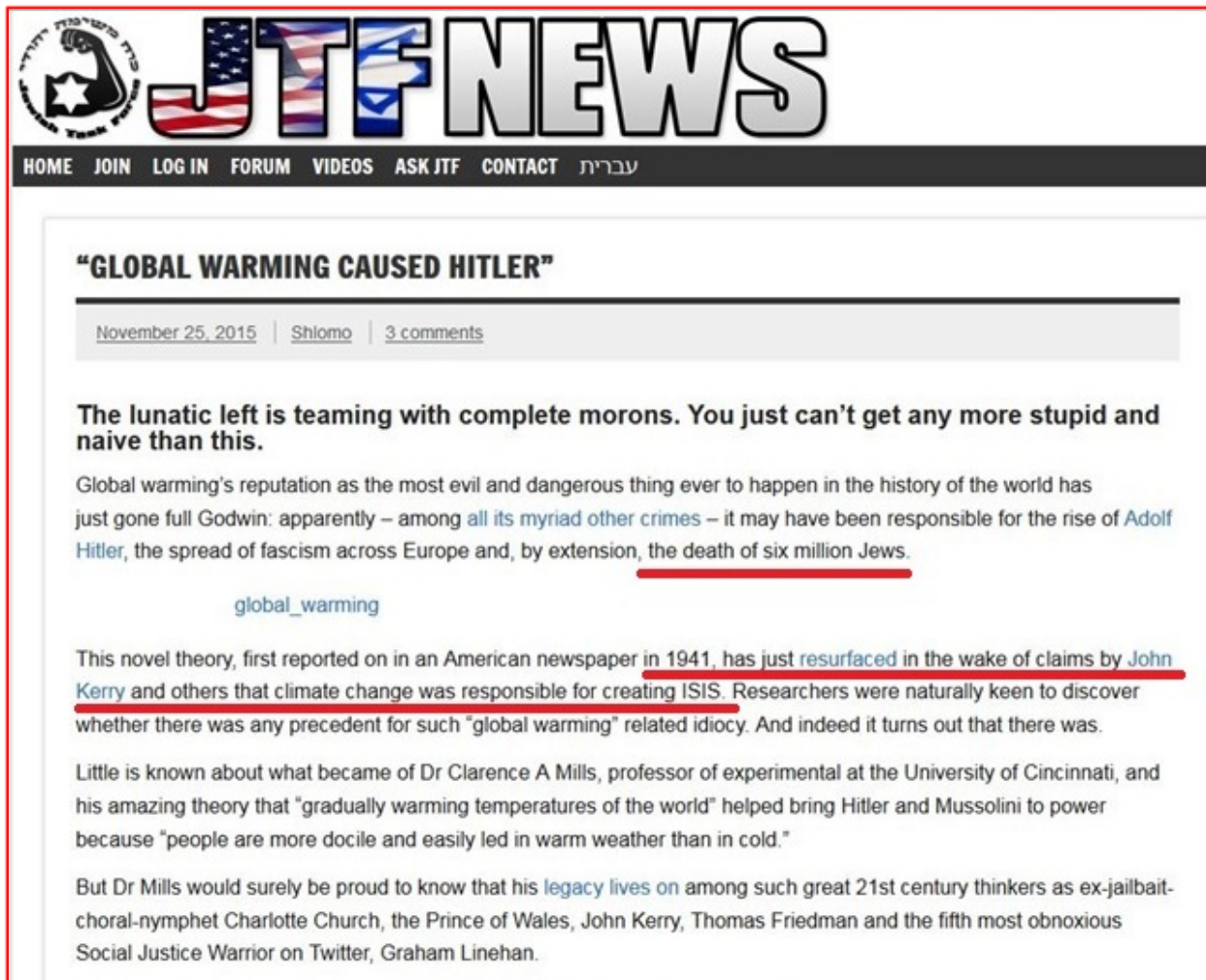
“Once the planet gets warmer and warmer then the oceans begin to evaporate, and water vapor is a very strong greenhouse gas, even more powerful than carbon dioxide.”

USA Today’s ‘*Global Warming Costing Investors Too,*’ refers to the equity of Cameco (CCJ; renowned uranium mining company, with 30% of world supply) as a **“global warming stock.”** Such double-talking buffoonery is intrinsic to climate bolshevism and its AGW media pundits.

In truth, implementation of modern nuclear power will drastically reduce airborne pollution, as well as the horrific threats to our water aquifers by reducing if not eliminating any further “fracking” escapades. Implementing an honest energy plan, which implies at least China/Russia/India commitment levels to nuclear power, also eliminates the Malthusian absurdities of wind mills (See Lomborg quote Page 18).

Requests – con't

In this context Request #9 is two-fold: (1) You are not to bring suit against nuclear power operators, such as Exelon who operate the Nine Mile Power Station in Syracuse, NY (pictured above) on the basis of an allegation that their emission of water vapor causes “global warming.” (2) Pursuit to your legal pronouncements in 7a above, you are to consider suing James “*death trains*” Hansen for fraud.



The screenshot shows the JTF NEWS website header with a navigation bar containing links for HOME, JOIN, LOG IN, FORUM, VIDEOS, ASK JTF, CONTACT, and עברית. The article title is "GLOBAL WARMING CAUSED HITLER" with a date of November 25, 2015, and 3 comments. The main text reads: "The lunatic left is teaming with complete morons. You just can't get any more stupid and naive than this. Global warming's reputation as the most evil and dangerous thing ever to happen in the history of the world has just gone full Godwin: apparently – among all its myriad other crimes – it may have been responsible for the rise of Adolf Hitler, the spread of fascism across Europe and, by extension, the death of six million Jews." Below this is a link for "global_warming". The article continues: "This novel theory, first reported on in an American newspaper in 1941, has just resurfaced in the wake of claims by John Kerry and others that climate change was responsible for creating ISIS. Researchers were naturally keen to discover whether there was any precedent for such 'global warming' related idiocy. And indeed it turns out that there was. Little is known about what became of Dr Clarence A Mills, professor of experimental at the University of Cincinnati, and his amazing theory that 'gradually warming temperatures of the world' helped bring Hitler and Mussolini to power because 'people are more docile and easily led in warm weather than in cold.' But Dr Mills would surely be proud to know that his legacy lives on among such great 21st century thinkers as ex-jailbait-choral-nymphet Charlotte Church, the Prince of Wales, John Kerry, Thomas Friedman and the fifth most obnoxious Social Justice Warrior on Twitter, Graham Linehan."

10. Based on the Fresh Meadows, New York based Jewish Task Force report of only a month ago, you and the climate bolsheviks cannot take original credit for “*trivializing the holocaust*” vis-à-vis your opinions about CO₂, and the vernacular you used on PBS when discussing Exxon-Mobil and AGW.

On a personal note, the above is of great concern under the following reality: When I drive my Ford Crown Victoria to the very same fitness center wherein current Ford Motor Company Chairman Mark Fields exercises, and Mark and I have exhaled increased levels of CO₂, we have, according to your AGW associates, created the atmospheric circumstances that created ISIS.

a. I am interested in all documents, studies or opinions at that were generated at Standard Oil of New Jersey and/or Standard Oil of New York (i.e. Exxon-Mobil) that detail a historical connection, beginning on January 31, 1933, between human contributions to atmospheric CO₂ “*and by extension the death of six million jews.*” (Please note underlining in JTF report, <https://jtf.org/global-warming-caused-hitler/>)

(According to the ADL, The Holocaust Museum, The Wiesenthal Center, and Hollywood, the “holocaust” is now defined to have begun on January 31, 1933 and ended on September 2, 1945. This stands as a revision to the writings of former New York State Governor Martin H. Glynn, et al.)

CONCLUSION REQUESTS

From Page 14 above, the following quote from Professor Robert Manne asserts your implicit association with those who slander, defame and stigmatize those of differing opinions than yours regarding the notion that carbon dioxide from humans drives global climate:

"Denialism, a concept that was first widely used, as far as I know, for those who claimed that the Holocaust was a fraud, is the concept I believe we should use."

Your Reference 1 vernacular included **"denier," "climate change deniers,"** and **"climate denial organizations."** Again, it is this purposely stigmatizing insult that, in large part, prompted this letter.

11. I am confident that your office is familiar with the Racketeer Influenced and Corrupt Organizations (RICO) statute. Pursuant to your internationally televised legal declarations in Reference 1:

"Certainly, all of the (State of New York's) claims would lie in some form of fraud."

"You're not allowed to commit fraud."

you are to seek redress for all New York taxpayers who have been and continue to be defrauded by the AGW participants/associates as exemplified by ClimateGate. The 484 original emails of December 2009: <http://pvsheridan.com/ClimateGate-Emails/> were released to the global community by an unidentified East Anglia data center whistleblower. That center was directed to compile data which provided *"overwhelming evidence"* that climate is now driven by New York taxpayers. Subsequent ClimateGate emails are also available. Attachment 4 refutes the adolescent Big Media/Big Academia hype about "hacking," and includes a quote by a scientist of impeccable reputation:

"The emails between their researchers and comparable institutions in the United States are quite revealing. They (the emails) reveal what I feel is an appalling lack of scientific integrity. They conspired to discredit and to prevent the publication of papers from other scientists who disagreed with them. They also indicate that they tried to suppress data so that they did not have to respond to requests under the Freedom of Information Act, both in the US and the UK."

Does it surprise you Mr. Attorney General that the ClimateGate emails contain your "denier" vernacular? The term "holocaust"? Email #1084017554 from East Anglia's Mike Hulme is just one example.

12. You are to apologize to all parties, that do not agree with your opinions about the causes and consequences of *"climate change,"* but whom through your Reference 1 promotions were defamed, insulted and stigmatized by your *"denier"* vernacular, including but not limited to the undersigned.

Please do not hesitate to contact me at any time.

Cordially,

Paul V. Sheridan

Attachments

List of Attachments

1	The Fraud of "Fossil Fuels" - Part 1
2	The Fraud of "Fossil Fuels" – Part 2
3	The Fraud of "Fossil Fuels" – Part 3
4	Anthropogenic Global Warming (AGW) Imbroglio : The Fraud: Long-term Atmospheric Carbon Dioxide is Positively Correlated to Temperature
5	Anthropogenic Global Warming Imbroglio : When in Trouble, Exploit Whole Planets : The Fraud that Venus is a " <i>Sister Planet</i> " to Earth The Fraud Promoted in Popular Culture : Venus Underwent a " <i>Runaway Greenhouse Effect</i> "
6	The Anthropogenic Global Warming (AGW) Imbroglio : Cornell University Censors the Sun The Censorship of ' <i>The Manic Sun</i> ' by my Alma Mater
7	The Anthropogenic Global Warming (AGW) Imbroglio : When in Trouble, Exploit our Children
8	The Issues of Morality and (Scientific) Ethics
9	The Anthropogenic Global Warming (AGW) Imbroglio : The Con Called " <i>Sustainable Energy</i> " How Near-future Megatrends Will Supplant So-Called " <i>Sustainable Energy</i> "
10	The Prophecy Game : Taking Credit for Natural and Expected Outcomes The Fraud of the United Nations 'Conference of the Parties – COP-21

ATTACHMENT 1

16 January 2016

Attorney General Eric T. Schneiderman
Office of the Attorney General
The Capitol
Albany, NY 12224-0341
800-771-7755

The Fraud of “Fossil Fuels” - Part 1

11 Pages

The Fraud of "Fossil Fuels" - Part 1

Although this will astound some, the notion that petroleum, methane and coal are derived from biological processes offers LESS evidence and has LESS credibility than the notion that carbon dioxide drives global climate. The latter is central to the Anthropogenic Global Warming (AGW) imbroglio, the notion that human use of "fossil fuels" which increases atmospheric CO₂, causes global warming. But the conceptual underpinning is of AGW is called "re-releasing." This Big Green fairy tales proceeds as follows:

- Green plants sucked carbon dioxide (CO₂) out of a primordial atmosphere as part of their normal aspiration. These plants died, and carried to their shallow graves this aspirated CO₂. Along for this primordial ride were dinosaurs that expired to mass shallow graves, bringing with them molecules such as CH₄ and a thousand-fold number of hydrocarbon molecules; all of which this fairy tale claims were of high energy (both in geometric structure and bond strength).
- This near over-night grand scale reduction in atmospheric CO₂ then led to reductions in its contribution to the so-called "Greenhouse Effect," thereby reducing global temperatures.
- The underpinning of AGW theory is called "re-releasing." That is, by digging up the detritus that came from buried green plants and dinosaurs, which over time had been converted to various hydrocarbon and carbon fuels, humankind is re-releasing the CO₂ that had been formerly "captured" by those green plants and dinosaurs.
- The AGW theory goes on to require humanity to embark on what is called "carbon sequestration." That is, in order to save the planet from "global warming" we need to re-capture the primordial CO₂ that was re-released! Exxon-Mobil touts this very farce in their advertising.

Fortunately, this is all wrong . . . because there is no such thing as "fossil fuels."

At <https://vimeo.com/147956179> you will find an NPR interview with Dr. John F. Kenney which presents the modern (Russian-Ukrainian) theory of the origins of hydrocarbon fuels. I have added details, contained in the red-letters panes, and entitled the video upload:

Geologic Oil: The Fraud of "fossil fuels"



**In the USA the modern theory of geological origins
of oil was popularized by Cornell University
Professor Thomas Gold.**

The Fraud of “Fossil Fuels” - Part 1 - con't

The first two pages attached here are from the October 17, 1991 Cornell Chronicle article:

Professor Gold’s Controversial Oil Theory Gets Headlines after Discovery in Sweden

An unfortunate title since Professor Gold repeatedly told the editors that he was merely providing experimental evidence confirming the Russian-Ukrainian origins of the theory, which he had documented extensively.

**Dr. Kenney is quoted in the Cornell University
Chronical of October 17, 1991 regarding the
results of the Siljan Ring research:**

**“This is an uncontrovertable demonstration of abiogenic
(i.e. geological, non-fossil) oil and gas in crystalline rock.
There is no way fossils could get down
at the depth into this rock.”**

Available here:

<http://pvsheridan.com/Gold-CornellChron-17Oct1991.pdf>

Also attached is my 1999 article, widely published in forums aimed at the lay person,

THE ORIGINS OF OIL

It is based on a book entitled ‘The Deep Hot Biosphere’ and in-part on the one-on-one conversations I had with its author, Cornell University Professor Thomas Gold, which spanned over a decade.

Recent developments in geology, astronomy and especially cosmology have not refuted the portent of this article; these developments have further accredited it.

Physicists call Fermi 'father to all of us' in CU pr

Physicists put aside talk of lasers or B mesons Oct. 14 for an extraordinary one-day session at Cornell devoted to remembering a towering giant of 20th century physics, Enrico Fermi.

The event brought together people who hadn't seen each other in 30 or 40 years, according to physics Professor Jay Orear, one of the organizers of the event, who said, "There never was anything like this.

"Fermi was like a father to all of us," he added, and the gathering in Schwartz Auditorium indeed seemed to resemble more the reunion of an extended family than a professional meeting.

Orear, a doctoral student of Fermi's, doubted that any gathering had brought together so many of Fermi's associates from his days at Los Alamos and the University of Chicago since his death in 1954 at age 53. No meeting he could recall had focused so exclusively on Fermi, or for that matter, any other physicist.

Fermi is admired for his scientific accomplishments — including the first sustained nuclear fission reaction, achieved at the University of Chicago in 1942 — but it was remembrances of his personal qualities and quirks, as well as stories of a great scientist, that dominated Monday's discussion.

"He was a very fertile person, never mean or competitive. His door was always open to everybody," Orear said.

"You could ask any question," added Nobel laureate Hans Bethe, the John Wendell Anderson Professor Emeritus of Physics, "and he would probably have the answer." For his remarkable ability to provide seemingly infallible answers to scientific questions, his associates in Italy dur-

ing the early 1930s, a group that included Bethe, dubbed him "the pope." Fermi's strength, Bethe explained, lay in his ability to reason from physical principles straight to the heart of a problem.

Images of the day included Fermi, wearing a dirty lab coat, running at full tilt down a hall in Italy to take a radioactive sample to a detector; swimming in Lake Michigan with a dog paddle stroke that carried him farther and faster than a varsity swimmer; playing charades at Los Alamos; mowing a lawn in home movies; carefully indexing an enormous collection of scientific notebooks to make up for a claimed poor memory; riding a beat-up bike to work in Chicago, his lunch poking through a pocket in his parka; and trying to teach his 10-year-old daughter algebra in two hours.

Fermi was "the complete physicist," according to Val Telegdi, a former University of Chicago professor who has been commissioned by that university to write a paper on Fermi for its centennial celebration. "Nobody in the history of physics possessed greater versatility than he. Fermi was completely devoted to physics, and his whole life centered around it.

"He was an incredibly clear thinker, but not an exceptionally quick one," Telegdi added. Present at the explosion of the first atomic bomb at Trinity, Fermi dropped a few pieces of paper and measured how far the bomb blast blew the paper pieces to determine roughly the strength of the explosion. This absurdly simple method gave a result that agreed well with far more sophisticated calculations.

"Fermi liked to pass as an ordinary man — simply a good artisan who happened to specialize in physics," ac-

ording to Telegdi. He disliked most never disparaged others (in irritation over all the press attention maintained a frugal lifestyle).

His favorite books were the *C* series, according to his daughter, also recalled some more painful r

"He could not relate to us or said. "It wasn't that he lacked e; the ability to express them. He is; proachable figure, very differer him."

Fermi was a physicist's physici- ticipant said, and according to C- tributable partly to Fermi's abilit- retician and a consummate ex- some of his contemporaries, s- heimer, he engaged in science- tantly.

"For good or for evil," said C- can Professor of Astronomy an- one of the leading pioneers of t- and nuclear power."

According to Bethe, "In his- he had done so little about atomi-

Fermi died of multiple meta- of his scientific powers. The ill- on, his daughter pointed out, by- same radioactive substances that- tion.

Professor Gold's controversial oil theory gets headlines after discovery in Sweden

New No
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Professor Gold's controversial oil theory gets headlines after discovery in Sweden

Professor Emeritus Thomas Gold's controversial theory that oil and gas do not come from decayed vegetation and other living matter compressed under Earth's sediments millions of years ago surfaced again last week in headlines worldwide.

A front page story in the Oct. 9 issue of London's Daily Telegraph declared: "Oil has been found in granite — the last place the oil industry would expect to find it — giving the strongest evidence to date that vast non-fossil fuel reserves may exist deep in the Earth."

An Oct. 8 Reuters news service story out of Stockholm stated that "a Swedish-American drilling project . . . said it had found proof of oil in the granite far beneath a Swedish fir forest where conventional wisdom says there should be none.

"Project manager Jack Kenney said drilling had reached a depth of 2,800 meters when between 10 and 100 liters of oil flowed to the surface with the water used as

drilling fluid," the news agency reported.

"This is an incontrovertible demonstration of abiogenic [non-fossil] oil and gas in crystalline rock. There is no way fossils could get down at this depth into this rock," Kenney told Reuters.

Dala Djuggas Produktions AB hopes to find commercially viable reserves of non-fossil natural gas below the Siljan Ring, a meteoric crater northwest of Stockholm, an area larger than the greatest oil field in Kuwait, Gold said.

The drilling project is the second such effort in Sweden based on Gold's theory.

Speaking from his home in Ithaca, Gold said the find vindicated his theory that has infuriated many geologists for more than a decade.

Gold says oil and gas have developed from hydrocarbons locked in the Earth at the time of its creation. The transformation of the hydrocarbons into oil and gases depends on the modern knowledge that the

Earth formed from cold material, not hot, as was thought earlier.

Gold says that the initially cold Earth heated up by gravitational compression and internal radioactivity, and this drove out the materials that laid down deposits of oil and gas at shallower levels.

He says the biological remnants found in oil come from bacteria that feed on the oil and that have apparently migrated throughout the Earth's vast reserves of oil. It is these same oil-devouring bacteria that have been proposed as the ultimate solution to cleaning up oil spills, he said.

If Gold's ideas prove to be right, they could be a boon to the environment in a number of ways, particularly with extensive availability of relatively clean-burning natural gas. But they also could play havoc with the world economy and with energy businesses and interests due to depressed prices for fossil fuels.

—Martin B. Stiles

Rhodes issues statement on sexual harassment

The following statement was issued by President Frank H.T. Rhodes on Wednesday, Oct. 16.

At a time when the issue of sexual harassment has commanded the attention of the nation as never before, I think it is appropriate that we reaffirm our commitment at Cornell to address the issue at every level with seriousness, with a concern and compassion for the anguish experienced by its

assessing for seeking help or filing complaints.

Cornell has sanctions in place at all levels against those who harass others in the academic or work environment, and protection for those unfairly accused of harassment.

Ours is a multiaccess system, with sexual harassment counselors and advisers in the colleges, residential life units, Office of Human Resources, Office of the Ombuds-

Rhodes continued from page 1

• On a multicultural environment: More than 12.5 percent of the new freshman class comes from underrepresented groups. The total student population represents every state and 100 countries. A broadened curriculum in the College of Arts and Sciences; a new American Indian House, one-half of whose residents are non-Indians; and an experimental Multicultural Living and Learning Center on West Campus represent commitment to support as well as recruit a diverse population.

With resurgent nationalism and ethnic strife in Europe, America sets a singular

New Nobel taught at

This year's winner physics, Pierre-Gilles White Professor-at-I 1989-90 was the Ph the Lecturer.

De Gennes won discovering similar molecules in many including superconducting crystals used in recording to an Ass Some of the systems are so complicated thought they could be cal terms.

Cornell Physics Professor gaokar said that de prize for an accolade his strength is that "h lot simpler than they "Everything he's by doing neat and s gaokar added.

De Gennes, 58, of in Paris, has stimulated retical and experime mathematical descrip long, chainlike mole the Royal Swedish said in awarding the though his work has been motivated w plications, such as th of a super glue strong assembling airplanes.

The Nobel Prizes 10 in Oslo and Stock

CALEN

The Origins Of Oil - by Paul V. Sheridan

A reprint of the article which appeared in SUV Magazine, October 1999.

ORIGINS OF OIL—DOES OIL REALLY COME FROM DINOSAURS?

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OCTOBER 1999

The Origins Of Oil

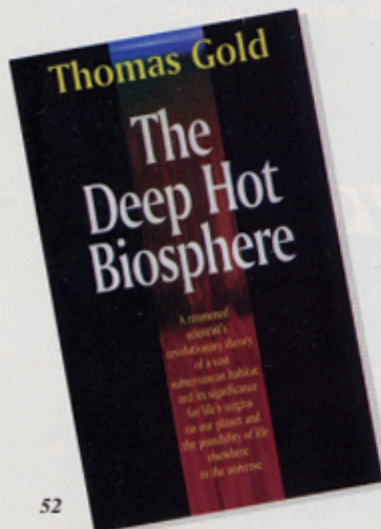
By PAUL V. SHERIDAN



As the size of SUVs increase, as evidenced by Ford's mammoth Excursion, and their fuel efficiency drops off the depletion of natural resources (namely oil) becomes an issue, Professor Gold's Abiogenic Theory offers some tantalizing data on the true origins of oil.

Editor's Note: Do you subscribe to the fossil fuel theory in which petroleum is created by "dinosaurs?" Have you ever wondered just how many dinosaurs there were? The industrial revolution has practically exponentially increased the volume of oil taken from the earth. Where does it end? Or more poignantly, does it end? Much of the existing beliefs are based on 120-year-old technology. I have often wondered how many dinosaurs there were and know for a fact that the

amount of petroleum pumped from the ground daily is staggering. There has to be another answer and Professor Gold seems to know what it is. This topic is under much debate in the scientific community. It hit the mainstream recently when Professor Gold's research was quoted in an April 16, 1999 article in "The Wall Street Journal." We are featuring this article, compiled by Paul Sheridan, to further expose the "Abiogenic Theory" to the mainstream.



A REVOLUTION

in the Earth Sciences is impacting everything from the theory of life to the geopolitics of petroleum to environmental dogma. Centered on the Abiogenic Theory of hydrocarbon formation, a new book by Professor Thomas Gold of Cornell University is a must-read for anyone truly concerned about the political and scientific well-being of the human race. The science presented in "The Deep Hot Biosphere" is considered by many to be worthy of the Nobel Prize.

Professor Thomas Gold's book "The Deep Hot Biosphere" is a thought provoking look into subject matter that should interest anyone who drives a car, especially sport utility owners.

A Movement Toward Science and a Rebuke of Myth



To Sell Hot Air They Needed A Hard Sell

When was the last time the media or a politician reminded you of "global warming?" Probably yesterday. When was the last time you heard the term "fossil fuels?" Probably yesterday as well, while they were brainwashing you about the end of the industrial age. About 30 years ago they also proclaimed that we would run out of "fossil fuels," and the professed need for alternative sources of energy like wind power, solar power and electric cars. You probably remember being indoctrinated by your high school teachers or college professors about the "energy crisis," and that the world only had 15 years of oil remaining, assuming we were able to conserve energy, and on and on.

Although we have come to expect it from salespeople or politicians, no one likes to endure the "hard-sell" approach to any topic. Where we least expected the hard sell was from the science community. But that's just what we've been getting from scientists about the supposed relationship between "fossil fuels" and global warming. But do "fossil fuels" really exist? And if there is no such thing, what are the implications to the currently accepted doctrines regarding worldwide petroleum energy supplies? Or the highly-promoted notion that the human burning of "fossil fuels," especially in our cars and trucks, is the *causa belli* of global warming?

Review of the current environmental doctrine that purports a cause-effect relationship between "fossil fuels" and global warming will set the stage for presentation of the latest scientific evidence discovered by Professor Gold. In his new book "The Deep Hot Biosphere" Thomas Gold of Cornell University presents hard evidence that refutes this environmental myth.

What Are "Fossil Fuels?"

Environmental doctrine paints a picture of prehistoric Earth where plant and animal life abounded. There is evidence that during these prehistoric times the average global temperatures were a few degrees higher. As they do today, prehistoric plants took in atmospheric carbon dioxide, and breathed out oxygen.

Carbon dioxide is part of an infamous class called greenhouse gases. These gases tend to retain a portion of the radiant energy from the sun, converting this energy into stored heat in the atmosphere. Unlike the proclama-

tions of radical environmentalists, a greenhouse gas is not, by any means, the harbinger of doomsday. Radicals will tell you that carbon dioxide (CO₂) is the number one greenhouse gas, which is also blatantly untrue. Without an atmosphere filled with gases that store heat energy, life on the surface of Planet Earth would not be possible (a'la Mars). And oh, by the way, the number one greenhouse gas is water vapor!

This prehistoric plant life eventually died and was buried in the relatively shallow regions that geologists call sedimentary layers. Over time these sediments solidify, hence the term sedimentary rocks. Environmentalists claim that after eons the dead plant life buried in the sediments fossilized, but also chemically decomposed into a variety of hydrocarbons. As the name implies, hydrocarbons are composed of hydrogen and carbon. This long-term decomposition supposedly resulted in petroleum, coal and methane; the three main "fossil fuels." So here-in lies the logic by which hydrocarbons came to be called "fossil fuels."

The Biogenic Theory Of Hydrocarbon Formation

Actually, modern environmentalists cannot claim credit for the misnomer "fossil fuels." In the 1870's, geologists documented evidence of biological debris in petroleum and coal deposits. This is the historical context of where we get the modern reference to the "biogenic theory" of petroleum and coal formation. By definition, the biogenic theory dictates at least two restrictions.

First, it restricts where petroleum companies search for "fossil fuels" to only shallow levels of sedimentary rock. This is not the first time in human history that "science" has been used to define the conceptual extent of technological developments, in this instance, oil well drilling. Second, the biogenic theory limits the worldwide projections of remaining reserves: Since there were limited amounts of prehistoric plant life, there can be only limited quantities of petroleum. Likewise, this is not the first time that a mere theory has been used to convince you that a commodity is scarce. Later we will see how this second restriction backfires.

An essential premise of the biogenic theory is that these "fossil fuels" retain the CO₂ inhaled by prehistoric plants during millions of years. The theory claims that as a result of this "capturing" of the greenhouse gas CO₂, Planet Earth underwent a global cooling to rough-

ly where it is today. They tell us that the prehistoric lowering of CO₂ had decreased the heat storage capacity of the atmosphere. They go on to claim that human burning of "fossil fuels," especially in our cars and trucks, is re-releasing CO₂, and is the *causa belli* of global warming. For example, Stephen Schneider of the National Center for Atmospheric Research in Boulder, Colorado was making quite a name and career for himself by announcing the results of his computer climate models. In 1983 he affirmed his belief in this *causa belli* on national television: "What we're really getting back is the carbon dioxide (CO₂) that was taken out of the air hundreds of millions of years ago, when plants died and sank to the bottom of swamps. And we're getting it back when we burn that coal or that oil." But now the only thing sinking to the bottom of swamps is the biogenic theory, including the nonsense of "fossil fuels" and global warming.

Professor Gold and the Abiogenic Theory of Hydrocarbon Formation

The first time I heard of Professor Gold was in 1975 during my studies of astronomy at the State University of New York. At the time, Gold was founding director for the Cornell University Center for Radiophysics and Space Research. He was also chairman of Cornell's Department of Astronomy. He is a member of just about every science group from the National Academy of Sciences to the Royal Society of London. He received his doctorate from Cambridge, and has published over 280 papers on everything from neutron stars to radar to cosmology.

But what does this astronomy stuff have to do with global warming? The answer involves the abiogenic theory of hydrocarbon formation. Unlike the "fossil fuels" fantasy which supposedly began in prehistoric times, the abiogenic theory goes back to the very formation of Earth, about 4.5 billion years ago; long before life existed.

From Scientific Theory To Practical Applications

In December 1985 the Wall Street Journal interviewed Gold for the article "Astronomer Believes Oil, Gas Deposits as Old as the Earth." This was followed by another Wall Street article, "What If Methane is Inexhaustible?". (Methane is the primary component of natural gas.)

At the time of these WSJ articles I was employed at Ford in their Powertrain Planning group. I was assigned to engine/transmission production, Corporate Average Fuel Economy (CAFE), emissions compliance; to name a few. In 1984 I moved to Chrysler. By 1987 I was an Engineering Programs Manager, responsible for products such as the Dodge-Cummins diesel pickup. It was during the diesel program that I gained technical expertise in the

area of natural gas as a transportation fuel.

When I was transferred to the minivan group in early 1991 they were grappling with a more stringent Clean Air Act, especially in California. Since a majority of Chrysler sales in California are the minivan, it was effectively targeted by Sacramento's new rules. I wrote a paper summarizing the emissions issues, including the necessity and marketability of natural gas. I later called the initial meetings which raised management awareness of the specific issues. My meetings led to the development of Chrysler's natural gas minivan. Prior to this time no such product or plans existed.

The overt context of my efforts on the natural gas minivan was a genuine concern for the environment as a human being and a Chrysler professional. But the esoteric context was my knowledge of Gold's work on the abiogenic origins of hydrocarbons, especially their abundance. A large part of this knowledge came from his 1987 book "Power From the Earth: Deep Earth Gas as Energy for the Future."

From Astrophysics To Automobiles

Gold's new book, "The Deep Hot Biosphere" is extremely comprehensive in scope. With a basis in astrophysics, "The Deep Hot Biosphere" should have implications from environmental policy to geopolitics to fuel prices and the automobile industry. Admittedly it takes effort to overcome the momentum of the "fossil fuel" ideas which have been highly promoted for decades. However, once you understand Gold's concepts, you'll have a renewed suspicion of our politicians, and disappointment with the science community.

Gold contends that you will find hydrocarbon sources at great depths below the surface; not a few miles, but a few hundred miles. The deep-earth sources of hydrocarbons are still at it to this day, pumping tons of petroleum and methane gas up through the cracks and porosity to the shallow sedimentary levels. It is here that drilling rigs access the upwelling that has been vertically dammed into reservoirs. Hydrocarbons did not come from rotting prehistoric plants; hydrocarbons were here a few billion years before life occurred. The hydrocarbons we humans use for energy are abiogenic or not of biogenic origin.

Chapter 3 summarizes five fundamental assumptions regarding the deep-earth abiogenic sourcing of hydrocarbons. All five are supported by currently accepted science. Gold also discusses the latest space research information; much of which he discovered or proposed. This information confirms that hydrocarbons are present on lifeless heavenly bodies such as moons, asteroids, comets, and of course the "Gas Giants" such as Jupiter, Saturn, Uranus and Neptune. In fact, the blue coloration of planet Uranus is due to methane, a so-called "fossil fuel."

Gold explains, "I am sure there are no big stagnant swamps on Titan or Pluto."

Chapter 4, "Evidence for Deep-Earth Gas," presents seven empirical facts that strongly support the abiogenic theory. The first four are somewhat related.

1) The geographical patterns that emerge from the oil fields, whether in the Middle East or Indonesia, all exhibit a correspondence to deep Earth geological structure. This is in stark contrast to the haphazard deposition we find with surface life, and their subsequent fossils, which have never exhibited such patterns.

2) Hydrocarbons from a particular oil field do not exhibit chemical changes as the depth of their extraction increases. But the fossils above them do have constantly changing biological "signatures" which relate to each of their particular paleontologies (i.e. epochs of time). Russian petroleum geologists have currently productive oil wells that

have been drilled into the basement rock, far below the sedimentary strata. Here, where fossils have never penetrated, hydrocarbons are in abundance. Later we'll see that Gold's famous Siljan Experiment of 1985 is what the Russians have relied on as a scientific basis for their basement rock prospecting (they're part of the minority that understand the abiogenic theory!).

The existing petroleum reservoirs are refilling themselves...

...from the bottom!

3) Hydrocarbons are found in geographic areas where the amount of prehistoric life at that location could never provide the quantities of hydrocarbons involved. When you think about it, most surface life is comprised of 90 percent water and 10 percent other stuff. So even if the "10 percent other stuff" were con-

verted completely to "fossil fuels," it would not even come close to the mass of hydrocarbons already extracted during the last 130 years.

4) This is similar to #2 but points out that because hydrocarbons are so consistent, analysis of distinct trace metals can be used to identify their geographic origin.

5) The existing petroleum reservoirs are refilling themselves... from the bottom! Yes, you read that correctly. Gold explains, "The phenomenon of petroleum reservoirs that seem to refill themselves is widely reported, notably in the Middle East and along the U.S. Gulf Coast. I regard these occurrences as strong evidence for the deep-earth gas theory."

Numbers 6) and 7) involve some concepts from astrophysics, biophysics and nuclear physics. The science behind these points is too complex to review here, but let's list them.

6) Science tells us that life as we know it is based on the chemical properties of carbon. Although there

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is discussion that silicon is another element that could provide a basis for life, carbon-based life is all that we have observed thus far. The origin, quantity, and duty cycle of carbon is fundamental to a complete understanding of Planet Earth, the only planet known to possess life. As it turns out, certain chemical forms of carbon are also crucial to the preservation of life.

The land and ocean areas contain sedimentary rocks which have great quantities of carbon-based chemical materials called carbonaceous compounds. A full 80-percent of this material contains oxygen. An example of this oxygenated material is calcium carbonate, better known as limestone. The other 20 percent is not oxygenated. The latter 20 percent is comprised of oil, coal and methane; the hydrocarbons. Since we are talking about the carbon content of the sedimentary layer we also mention the tiny fraction of not-yet-decomposed biological debris.

Carbonaceous compounds are also found in the atmosphere, mostly as carbon dioxide or methane. The atmosphere plus the sedimentary layers of the land and ocean, comprise what is called the Atmospheric-Ocean Pool. The total amount of car-

You can confirm that there never was an "energy crisis"—at least not one that was in any way related to physical reality, as opposed to geopolitics.

bon in this pool is enormous. A overwhelming majority this "near surface enrichment" of carbon is in the sediments, not the atmosphere.

Environmentalists argue that this near-surface enrichment of carbon originated from the prehistoric atmosphere. They promote the notion that our early atmosphere was very similar to Venus. Earth's carbon,

they say, was "precipitated out" from atmospheric carbon dioxide into the atmospheric-ocean pool. Absorption by prehistoric plants also occurred. To hard-sell their global warming agenda, they emphasize that Venus has vast quantities of this greenhouse gas carbon dioxide, and as a result the temperatures on its surface are about 700 degrees. (They fail to mention that Venus is 26 million miles closer to the Sun, or that its orbit is a near-perfect circle, or that its north pole is where our south pole is, etc.)

But unlike computer climate modelers or politicians with degrees in theology, Gold is an astrophysicist who has spent decades deciphering the details of how planetary bodies form. The general cosmic conditions that formed Earth and Venus were similar, but the devil is in the details. The early Earth was not characterized by the capture of gases from space, as was Venus. An indication of this is Earth's very low quantities of atmospheric krypton and xenon, compared with the solar system. Gold also points out that if the carbonate rocks got their carbon from an early atmosphere, than the deeper sedimentary layers should possess higher densities of carbonaceous compounds. If the carbon was "precipitated out" from an early atmosphere that was originally rich in carbon dioxide, then as you examine shallower carbonate rock specimens the records should show a successive decline of carbonaceous compounds. The records say otherwise. There is no successive decline, but a steady density throughout geologic time. Gold explains, "The only sound explanation is that atmospheric gases have derived mainly from outgassing of volatiles derived at depth from buried solid materials, not from an initial large atmosphere acquired at the earth's formation or by later capture of gases from space."

7) Permeating every oil find throughout the history of the world, is the presence of outgassing helium. In fact, it is so plentiful at the well

sites that petroleum companies now use helium detectors as one of their oil prospecting tools. It is also so plentiful at the well sites that commercial quantities are piped and repackaged for sale. Gold exclaims, "The association of helium with hydrocarbons is probably the most striking fact that the biogenic theory (i.e. "fossil fuels") fails to account for, and therefore it has been for me of greatest interest."

Helium is inert, it does not react. Plant life does not use it for anything. It is not a "fossil fuel" or derived from life. However it is a fundamental product of stellar nucleosynthesis. It is also a known byproduct of the radioactive decay of uranium and thorium. Both of these heavy nuclides are known to exist at great depth—about 200 miles down. Curiously, helium is not found in meaningful quantities in areas that are not producing oil or methane. When the constituents of oil wells are examined for mixing ratios of helium, the data patterns are consistent throughout the world. Alone, helium does not possess the fluid pressures required to reach the surface in the manner observed. Gold explains that the only way that such quantities and consistencies of helium mixing are possible is by virtue of a deep source "carrier gas" such as methane. The depth of these sources is far below the penetration depths of surface life or their fossils.

The Siljan Ring Experiment

In the central part of Sweden, near the city of Rattvik, is a meteor impact structure called the Siljan Ring. Being this far north, it is not considered a location where one would find an abundance of "fossil fuels." The interior of the impact structure has very little sedimentary rocks due to the impact explosion. The interior also has a basement rock that is extremely thin. In 1986 Gold and his Swedish and American teams drilled holes nearly five miles down.

The thought was to penetrate the lower crust and possibly the upper mantle. At these depths, and in this location, no surface life that had decomposed over time could possibly have existed. It is an excellent choice for the science research intended to test the abiogenic theory of hydrocarbon formation. I emphasize "research" since the intention was not the large scale production of natural gas or crude oil. Despite this format, by 1991 the Siljan Ring experiment was producing 80 barrels a day. Not commercial quantities, but that was not the intention. Science was the intention.

You can consider yourself "informed" by clinging to the 19th century myth that dead plants, called "fossil fuel," are what you burn in your modern car.

The Russians took note of Gold's science; the major American petroleum companies have not yet done so. As of 1998, the Russians have over 300 wells drilled into the basement rock on the basis of the Siljan Ring experiment; all of which are producing commercial quantities of crude oil and natural gas. Using the knowledge and experience gained from Gold, the Russians have transferred their drilling technology to their former allies in Viet Nam. So far, in what is called White Tiger Field, they have drilled 20 wells into the basement rock. The Vietnamese are producing in excess of 6000 barrels per day per well, in an area that the biogenic theory maintains will have no hydrocarbons. It appears that the debate is over. . . A) You can consider yourself "informed" by clinging to the 19th century myth that dead plants, called "fossil fuel," are what you burn in your modern car. You can also cling to the related notion that the millions of tons of carbon

dioxide that have continued to pour from Earth's volcanos have had no effect on the weather. But you should also develop an environmentalist type of guilt complex because the trace amounts of carbon dioxide that are emitted from your tailpipe are the causa belli of a supposed global warming. B) Or you can move forward in your understanding of science as presented by Gold in *The Deep Hot Biosphere*. You can investigate further, and confirm for yourself the validity of the abiogenic theory of hydrocarbon formation. You can confirm that there never was an "energy crisis"—at least not one that was in any way related to physical reality, as opposed to geopolitics. Gold explains, "In 1977, I presented the deep-earth gas theory during the time of the so-called energy crisis . . . Now, over 30 years later, the world is awash in oil and has more than it requires."

You can also conclude that there is no such thing as "fossil fuels," and therefore there is even less validity to the environmentalist proclamations of human-based global warming.

About the Author

Paul Sheridan has degrees in mathematics and physics, and a graduate business degree from Cornell University. He spent five years at Ford, including membership on the original Ford Taurus product team. He worked at Chrysler for 11 years where he managed everything from the Dodge-Cummins diesel engine program to minivan safety. He is one of only three recipients of the Lee A. Iacocca Chairman's Award.

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The Fraud of “Fossil Fuels” - Part 2

9 Pages

The Fraud of "Fossil Fuels" – Part 2

Available at <https://vimeo.com/147678820> you will find a 1990's PBS Nightly Business Report program segment entitled: "**Deep Oil**"

Chevron scientist Dr. Barney Issen explains that petroleum does **not** originate at the surface in the form of detritus, and then migrate down.



Detritus has no connection to the **FORMATION** of the high energy hydrocarbon bonds and associated geometries that comprise the oil used for gasoline, jet fuel, kerosene, oil based lubricants, etc. that has been extracted to the tune of **OVER ONE TRILLION BARRELS** through 2005, over ten years ago (Please see overleaf).

Dr. Issen explains that petroleum originates at very deep levels **and migrates UP.** Biological systems do not exist at these depths. Dr. Issen states (quote):

"Oil wants to migrate uphill."

Is there any question regarding the veracity of that Issen quote? Let us review kindergarten level understanding of the physical world: It is well-known that lighter materials, those with lesser density, float atop those materials that are heavier, of greater density. Let us sample some relevant density data, in order of increasing density (in kilograms per cubic meter):

Natural gas (geologic methane)	0.656
Petroleum	800.00
Water	999.97
Coal (average)	1400.00
Continental Crust	2700.00
Oceanic Crust	2900.00

Kindergarten students can state which materials listed will tend to float "uphill" versus the others.

So, what is the basis of the notion of "fossil fuels," that such originates as a low energy density life form at the Earth's surface, floats down, but then miraculously floats "uphill"? The basis is manifold but not limited to ignorance, stupidity, arrogance and a multi-agenda-driven fraud.

With this kindergarten level discussion in-mind, how does one explain the world-wide reporting of once "dead" oil wells that are refilling to pressures and quantities **GREATER** than original? Are we to believe that more and more dinosaurs are dying, unnoticed, and floating downhill, rotting into detritus, and becoming new oil? Or, are we to understand simply that the low-density petroleum and methane does not originate at the Earth's surface, but at great depth and **"migrate uphill"** due to well-understood physical laws of gravity?

The "fossil fuels" chicanery cannot explain with any veracity the numerous ongoing reports, such as in the Wall Street Journal of April 1999, which quoted Cornell University Professor Thomas Gold (see overleaf).

The Fraud of “Fossil Fuels” – Part 2 – con’t

In the next two attachments we continue the refutation of the preposterous notion that hydrocarbon and carbon based fuels originate with long-term decaying of allegedly massive quantities of biological materials. But since this attachment addresses the average capability of kindergarten students, let us look at some basic arithmetic.

Humanity has already extracted from the Earth BILLIONS of tons of coal, TRILLIONS of cubic feet of natural gas (methane), and over a TRILLION barrels of petroleum (see overleaf). But when we analyze a typical living organism we find relatively minute quantities of the elemental and molecular constituents of so-called “fossil fuels.” If we are generous in this aspect of refutation, and restrict our analysis to petroleum, and remain generous by selecting large biological systems such as dinosaurs (!), we arrive at the following rough calculations:

One trillion barrels = 42 trillion gallons = 290.56 trillion pounds of crude

A typical living biological system, such as a dinosaur, is 98+% water. That leaves only 2% for conversion or storage as an existing hydrocarbon. But let's assume (incorrectly) that the entire remaining 2% was converted from that original dinosaur into crude oil. Doing the kindergarten arithmetic, that means that 14,528 Trillion pounds, or 7.26 Trillion TONS of living system were needed for this fantasy of perfect conversion.

Tyrannosaurus rex ("Tyrant lizard king") typically weighed 5 tons. Most dinosaurs were much lighter, but being generous, let us use that 5 tons figure. That means that the one TRILLION barrels of crude we have already extracted came from the equivalent of 1.452 Trillion Tyrannosaurus rex.

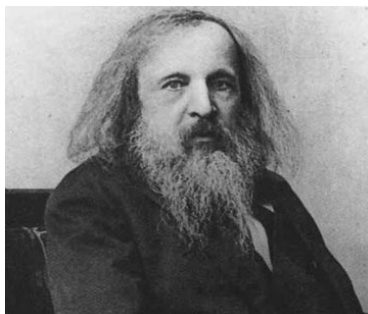
Absurd. Although I expect quibbling on minutia, rather than concentration on the obvious point, we must also emphasize that we did not pursue the same kindergarten calculation for the BILLIONS of tons of coal, and the TRILLIONS of cubic feet of methane.

In the next two attachments we introduce the geological Russian-Ukrainian theory of hydrocarbon formation and related extraction methodologies. The following quote was made in 1994:

“The eleven major and one giant oil and gas fields here described have been discovered in a region which had, forty years ago, been condemned as possessing no potential for petroleum production. The exploration for these fields was conducted entirely according to the perspective of the modern Russian-Ukrainian theory of deep, abiotic petroleum origins. The drilling which resulted in these discoveries was extended purposely deep into the crystalline basement rock, and it is in that basement where the greatest part of the reserves exist. These reserves amount to at least 8,200M metric tons of recoverable oil and 100B cubic meters of recoverable gas, and are thereby comparable to those of the North Slope of Alaska. It is conservatively estimated that, when developed, these fields will provide approximately thirty percent of the energy needs of the industrial nation of Ukraine.”

Professor Vladilen A. Krayushkin, Chairman of the Department of Petroleum Exploration, Institute of Geological Sciences, Ukrainian Academy of Sciences, Kiev, Ukraine (At the 8th International Symposium on the Observation of the Continental Crust Through Drilling, Santa Fe, New Mexico).

The Fraud of “Fossil Fuels” – Part 2 – con’t



The inventor of the Periodic Chart of the Elements, the esteemed Russian scientist Dmitri Mendeleev had already stated in 1877:

“The capital fact to note is that petroleum was born in the depths of the Earth, and is only there that we must seek its origin”

Relative to your alleged concerns about the Arctic, in the Wall Street Journal of June 26, 2015, ‘Exxon Mobil, BP Suspend Canadian Arctic Exploratory Drilling Program in Beaufort Sea,’ we find the following quote:

“ The Arctic holds billions of barrels of untapped oil reserves, but offshore-drilling costs there are among the highest in the world because of its remote location and severe weather. The Imperial-led consortium has been planning to drill a well as deep as 6 miles beneath the floor of the Beaufort Sea, one of the deepest offshore wells in the world and the deepest by far in the Arctic. ”

Six miles beneath the floor?! In the World Oil of April 14, 2015 we find the following quotes:

In 2013, two consecutive world records for measured depth were set as part of the Sakhalin-1 project. In April of that year, the Z-43 well reached a measured depth of 12,450 m, and in June the Z-42 well achieved a measured depth of 12,700 m and a horizontal () reach of 11,739 m.

In April 2014, the drilling team drilled and completed the Z-40 well; this well set a new record with a measured depth of 13,000 m and a horizontal () reach of 12,130 m.

Thirteen thousand meters equals 8.07 miles! World Oil then explains:

“This well continues the successful implementation of our outstanding project. I would like to express my thanks to our partners, Exxon Mobil. Usage of their drilling technologies made this achievement possible,” Igor Sechin, Rosneft's CEO, said.

Why would Exxon-Mobil, your defendant, have technologies that reach into regions of the Earth’s structure that have NEVER contained life, and therefore could never have produced “fossil fuels”?

Attachments 3 and 4 below offer further details on the absurd notion of “fossil fuels,” and its relation to the fraudulent notion of “re-releasing of carbon dioxide” as the mechanism of “global warming.” For a detailed discussion of why the formation of hydrocarbons from detritus is impossible, please see:

<http://www.gasresources.net/thrmccnstrnts.htm>

<http://www.gasresources.net/disposalbioclaims.htm>

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Energy will be one of the defining issues of this century. One thing is clear: the era of easy oil is over. What we all do next will determine how well we meet the energy needs of the entire world in this century and beyond.

Demand is soaring like never before. As populations grow and economies take off, millions in the developing world are enjoying the benefits of a lifestyle that requires increasing amounts of energy. In fact, some say that in 20 years the world will consume 40% more oil than it does today. At the same time, many of the world's oil and gas fields are maturing. And new energy discoveries are mainly occurring in places where resources are difficult to extract, physically, economically and even politically. When growing demand meets tighter supplies, the result is more competition for the same resources.

We can wait until a crisis forces us to do something. Or we can commit to working together, and start by asking the tough questions: How do we meet the energy needs of the developing world and those of industrialized nations? What role will renewables and alternative energies play? What is the best way to protect our environment? How do we accelerate our conservation efforts? Whatever actions we take, we must look not just to next year, but to the next 50 years.

At Chevron, we believe that innovation, collaboration and conservation are the cornerstones on which to build this new world. We cannot do this alone. Corporations, governments and every citizen of this planet must be part of the solution as surely as they are part of the problem. We call upon scientists and educators, politicians and policy-makers, environmentalists, leaders of industry and each one of you to be part of reshaping the next era of energy.

Dave

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It's No Crude Joke: This Oil Field Grows Even as It's Tapped --- Odd Reservoir Off Louisiana Prods Petroleum Experts To Seek a Deeper Meaning

By Christopher Cooper
 Staff Reporter of The Wall Street Journal
 1,579 words
 16 April 1999
 The Wall Street Journal
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HOUSTON -- Something mysterious is going on at Eugene Island 330.

Production at the oil field, deep in the Gulf of Mexico off the coast of Louisiana, was supposed to have declined years ago. And for a while, it behaved like any normal field: Following its 1973 discovery, Eugene Island 330's output peaked at about 15,000 barrels a day. By 1989, production had slowed to about 4,000 barrels a day.

Then suddenly -- some say almost inexplicably -- Eugene Island's fortunes reversed. The field, operated by PennzEnergy Co., is now producing 13,000 barrels a day, and probable reserves have rocketed to more than 400 million barrels from 60 million. Stranger still, scientists studying the field say the crude coming out of the pipe is of a geological age quite different from the oil that gushed 10 years ago.

All of which has led some scientists to a radical theory: Eugene Island is rapidly refilling itself, perhaps from some continuous source miles below the Earth's surface. That, they say, raises the tantalizing possibility that oil may not be the limited resource it is assumed to be.

"It kind of blew me away," says Jean Whelan, a geochemist and senior researcher from the Woods Hole Oceanographic Institution in Massachusetts. Connected to Woods Hole since 1973, Dr. Whelan says she considered herself a traditional thinker until she encountered the phenomenon in the Gulf of Mexico. Now, she says, "I believe there is a huge system of oil just migrating" deep underground.

Conventional wisdom says the world's supply of oil is finite, and that it was deposited in horizontal reservoirs near the surface in a process that took millions of years. Since the economies of entire countries ride on the fundamental notion that oil reserves are exhaustible, any contrary evidence "would change the way people see the game, turn the world view upside down," says Daniel Yergin, a petroleum futurist and industry consultant in Cambridge, Mass. "Oil and renewable resource are not words that often appear in the same sentence."

Doomsayers to the contrary, the world contains far more recoverable oil than was believed even 20 years ago. Between 1976 and 1996, estimated global oil reserves grew 72%, to 1.04 trillion barrels. Much of that growth came in the past 10 years, with the introduction of computers to the oil patch, which made drilling for oil more predictable.

Still, most geologists are hard-pressed to explain why the world's greatest oil pool, the Middle East, has more than doubled its reserves in the past 20 years, despite half a century of intense exploitation and relatively few new discoveries. It would take a pretty big pile of dead dinosaurs and prehistoric plants to account for the estimated 660 billion barrels of oil in the region, notes Norman Hyne, a professor at the University of Tulsa in Oklahoma. "Off-the-wall theories often turn out to be right," he says.

Even some of the most staid U.S. oil companies find the Eugene Island discoveries intriguing. "These reservoirs are refilling with oil," acknowledges David Sibley, a Chevron Corp. geologist who has monitored the work at Eugene Island. Mr. Sibley cautions, however, that much research remains to be done on the source of that oil. "At this point, it's not black and white. It's gray," he says.

Although the world has been drilling for oil for generations, little is known about the nature of the resource or the underground activities that led to its creation. And because even conservative estimates say known oil reserves will last 40 years or more, most big oil companies haven't concerned themselves much with hunting for deep sources like the reservoirs scientists believe may exist under Eugene Island.

Economics never hindered the theorists, however. One, **Thomas Gold**, a respected astronomer and professor emeritus at Cornell University in Ithaca, N.Y., has held for years that oil is actually a renewable, primordial syrup continually manufactured by the Earth under ultrahot conditions and tremendous pressures. As this substance migrates toward the surface, it is attacked by bacteria, making it appear to have an organic origin dating back to the dinosaurs, he says.

While many scientists discount Prof. Gold's theory as unproved, "it made a believer out of me," says Robert Hefner, chairman of Seven Seas Petroleum Inc., a Houston firm that specializes in ultradeep drilling and has worked with the professor on his experiments. Seven Seas continues to use "conventional" methods in seeking reserves, though the halls of the company often ring with dissent. "My boss and I yell at each other all the time about these theories," says Russ Cunningham, a geologist and exploration manager for Seven Seas who isn't sold on Prof. Gold's ideas.

Knowing that clever theories don't fill the gas tank, Roger Anderson, an oceanographer and executive director of Columbia University's Energy Research Center in New York, proposed studying the behavior of oil in a reservoir in hopes of finding a new way to help companies vacuum up what their drilling was leaving behind.

He focused on Eugene Island, a kidney-shaped subsurface mountain that slopes steeply into the Gulf depths. About 80 miles off the Louisiana coast, the underwater landscape surrounding Eugene Island is otherworldly, cut with deep fissures and faults that spontaneously belch gas and oil. In 1985, as he stood on the deck of a shrimp boat towing an oil-sniffing contraption through the area, Dr. Anderson pondered Eugene Island's strange history. "Migrating oil and anomalous production. I sort of linked the two ideas together," he says.

Five years later, the U.S. Department of Energy ponied up \$10 million to investigate the Eugene Island geologic formation, and especially the oddly behaving field at its crest. A consortium of companies leasing chunks of the formation, including such giants as Chevron, Exxon Corp. and Texaco Corp., matched the federal grant.

The Eugene Island researchers began their investigation about the same time that 3-D seismic technology was introduced to the oil business, allowing geologists to see promising reservoirs as a cavern in the ground rather than as a line on a piece of paper.

Taking the technology one step further, Dr. Anderson used a powerful computer to stack 3-D images of Eugene Island on top of one another. That resulted in a 4-D image, showing not only the reservoir in three spatial dimensions, but showing also the movement of its contents over time as PennzEnergy siphoned out oil.

What Dr. Anderson noticed as he played his time-lapse model was how much oil PennzEnergy had missed over the years. The remaining crude, surrounded by water and wobbling like giant globs of Jell-O in the computer model, gave PennzEnergy new targets as it reworked Eugene Island.

What captivated scientists, though, was a deep fault in the bottom corner of the computer scan that was gushing oil like a garden hose. "We could see the stream," Dr. Anderson says. "It wasn't even debated that it was happening."

Woods Hole's Dr. Whelan, invited by Dr. Anderson to join the Eugene Island investigation, postulated that superheated methane gas -- a compound that is able to absorb vast amounts of oil -- was carrying crude from a deep source below. The age of the crude pushed through the stream, and its hotter temperature helped support that theory. The scientists decided to drill into the fault.

As prospectors, the scientists were fairly lucky. As researchers they weren't. The first well they drilled hit natural gas, a pocket so pressurized "that it scared us," Dr. Anderson says; that well is still producing. The second stab, however, collapsed the fault. "Some oil flowed. I have 15 gallons of it in my closet," Dr. Anderson says. But it wasn't successful enough to advance Dr. Whelan's theory.

A third well was drilled at a spot on an adjacent lease, where the fault disappeared from seismic view. The researchers missed the stream but hit a fair-size reservoir, one that is still producing.

It was here, in 1995, that the scientists ran out of grant money and PennzEnergy lost interest in continuing. "I'm not discounting the possibility that there is oil moving into these reservoirs," says William Van Wie, a PennzEnergy senior vice president. "I question only the rate."

Dr. Whelan hasn't lost interest, however, and is seeking to investigate further the mysterious vents and seeps. While industry geologists have generally assumed such eruptions are merely cracks in a shallow oil reservoir, they aren't sure. Noting that many of the seeps are occurring in deep water, rather than in the relative shallows of the continental shelf, Dr. Whelan wonders if they may link a deeper source.

This summer, a tiny submarine chartered by a Louisiana State University researcher will attempt to install a series of measuring devices on vents near the Eugene Island property. Dr. Whelan hopes this will give her some idea of how quickly Eugene Island is refilling. "We need to know if we're talking years or if we're talking hundreds of thousands of years," she says.

(See related letter: "Letters to the Editor: Mystery Oil Flowed Via 'Paper Pipeline'" -- WSJ May 18, 1999)

Document j000000020010828dv4g00aff

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Thursday, October 7, 2004

Fuel beckons at new depths

Limitless supplies exist beyond current drilling, some scientists say.

By Keya Davidson / San Francisco Chronicle

Oceans of fossil fuel-like gases and fluids, enough to support a high-tech society for many millennia to come, might exist far deeper inside the Earth than we've ever drilled before, researchers speculate.

Since the mid-19th century, a small but enthusiastic minority of scientists have argued that petroleum and other fuels are formed by purely chemical, or abiogenic, processes hundreds of miles inside Earth. An early champion was the Russian chemist Dmitri Mendeleev, pioneer of the periodic table that hangs on the wall of virtually every high school chemistry classroom.

But most experts scoff at the idea. According to traditional theory, fossil fuels - energy-rich, carbon-based molecules - are formed over millions of years by biological processes, the disintegration of primeval plants and animals into smelly or gunky hydrocarbons like methane and petroleum.

Such biogenic fossil fuels exist fairly close to Earth's surface, in reservoirs such as the oil fields of the Middle East.

One objection to the theory of abiogenic fuels is that they'd quickly disintegrate in the extreme heat and pressure hundreds of miles beneath the surface.

But now, experiments and computer modeling by scientists at Lawrence Livermore National Laboratory and elsewhere appear to have removed this objection. The team was led by geophysicist Henry P. Scott of Indiana University in South Bend, Ind. Their experiments show that methane gas can remain chemically stable at pressures and temperatures similar to those 120-180 miles beneath the surface, the scientists reported in a recent issue of Proceedings of the National Academy of Sciences.

Deep methane reserves "could be a virtually inexhaustible source of energy for future generations," said the lab's press statement.

Environmental groups reacted warily to the news. Kert Davies of Greenpeace USA in Washington stressed the last thing the world needs is an even more abundant source of "global warming" gases than are being burned in the world's cars and factories.

"The distant prospect of new methane reserves shouldn't for a moment divert us from developing nonpolluting, renewable energy sources," said Daniel Hinerfeld of the Natural Resources Defense Council branch office in Santa Monica, Calif.

In any event, Hinerfeld said, "at current rates of consumption, we're going to need alternative forms of energy long before these hypothetical reserves are accessible."

The scientific team leader, Scott, also cautioned that their findings offer no quick cure for high gas prices or wars fought in oil-rich regions: "These results in no way alleviate the immediate problems we face regarding our natural resources. ... We are far from a solution to our limited energy supply, but each piece of information we can obtain will help guide future research."

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Nation/World

- Nation/World index for Thursday, October 7, 2004
- Austrian novelist, poet Elfriede Jelinek wins Nobel Prize in literature
- U.S. raises security alert in Green Zone
- U.S. inspector finds no evidence Saddam made weapons after 1991
- Saddam obsessed over Iran
- Can Samarra serve as model for Iraq
- Tiger Woods ties the knot
- Predicting volcanic eruption is tricky
- Scientists drop level of alert at St. Helens
- Science finds we're not so close to apes after all
- Fuel beckons at new depths
- Nation/World Briefs
- St. Helens spews ash as molten rock rises
- Iraqis eager for police duty
- U.S.-Iraqi forces launch a major assault
- Americans awarded Nobel Prize

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BUSINESS

Exxon Mobil, BP Suspend Canadian Arctic Exploratory Drilling Program in Beaufort Sea

Imperial Oil to seek retroactive extension of Canadian Arctic exploration lease

By CHESTER DAWSON

June 26, 2015 3:56 p.m. ET

CALGARY—An oil industry consortium including Exxon Mobil Corp. and BP PLC on Friday suspended its Canadian arctic exploration program in the Beaufort Sea, citing insufficient time to begin test drilling before its lease expires in 2020.

The move represents a setback for oil companies active in Canada's arctic waters and follows a similar decision by Chevron Corp. in December to halt its own exploratory drilling program in the Beaufort Sea. Those projects have been stymied by regulatory hurdles and some of the world's highest extraction costs.

Imperial Oil Ltd., Exxon Mobil's Canadian affiliate, informed federal regulators in Canada of its decision to suspend its Beaufort Sea exploratory program on Friday and said it would seek to have its current lease extended retroactively to 16 years.

"If approved, the extension would provide sufficient time to undertake the necessary technical studies and develop the technology and processes to support responsible development in the Beaufort Sea," Imperial Oil said in a letter to Canada's National Energy Board.

The Arctic holds billions of barrels of untapped oil reserves, but offshore-drilling costs there are among the highest in the world because of its remote location and severe weather. The Imperial-led consortium has been planning to drill a well as deep as 6 miles beneath the floor of the Beaufort Sea, one of the deepest offshore wells in the world and the deepest by far in the Arctic.

The leases where the proposed well would be drilled are located about 110 miles off the coast of the Northwest Territories town of Tuktoyaktuk. Imperial, Exxon Mobil and BP obtained leases for the right to drill in 2007 and 2008. The three companies have since combined their Beaufort programs into an Imperial-led joint venture called Imperial Oil Resources Ventures Ltd.

Imperial and Chevron have asked the NEB, Canada's national energy regulator, to ease rules designed to prevent undersea well blowouts such as the one involved in the 2010 Deepwater Horizon spill in the Gulf of Mexico.

In Canadian Arctic waters, operators must have standby capacity ready to stop a blowout by drilling a relief well within the same season. But wells in the Beaufort Sea need to be drilled so deep it will require multiple seasons to complete, so license holders have sought an exemption allowing alternative measures.

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The NEB has said it is reviewing those requests.

The Arctic holds about one-third of the world's untapped natural gas and an estimated 13% of as-yet undiscovered crude, or roughly 90 billion barrels of oil. More than three-quarters of those deposits are offshore, according to U.S. Geological Survey estimates.

WorldOil.Com

Sakhalin-1 sets new extended reach drilling record, Rosneft says

4/14/2015

MOSCOW, Russia -- Rosneft, as part of the Sakhalin-1 consortium, has finished **drilling ()** the world's longest well—**production ()** well O-14—at Chayvo field, offshore Sakhalin Island.

Well O-14 was drilled from the Orlan drilling platform towards the south-eastern point of Chayvo field, which lies to the northeast of Russia's Sakhalin Island.

The well has a record breaking measured depth of 13,500 m and a **horizontal ()** reach of 12,033 m, Rosneft said in a statement on Tuesday.

Since the beginning of the drilling program in 2003, Sakhalin-1 has set several world records for extended reach **drilling ()**. With this new well, the Sakhalin-1 consortium holds **drilling ()** records for 9 of the world's 10 longest wells.

In 2013, two consecutive world records for measured depth were set as part of the Sakhalin-1 project. In April of that year, the Z-43 well reached a measured depth of 12,450 m, and in June the Z-42 well achieved a measured depth of 12,700 m and a **horizontal ()** reach of 11,739 m.

In April 2014, the drilling team drilled and completed the Z-40 well; this well set a new record with a measured depth of 13,000 m and a **horizontal ()** reach of 12,130 m.

According to Rosneft, Sakhalin-1 extended reach drilling is among the fastest due to the use of Exxon Mobil's proprietary Fast Drill process.

"This well continues the successful implementation of our outstanding project. I would like to express my thanks to our partners, Exxon Mobil. Usage of their drilling technologies made this achievement possible," Igor Sechin, Rosneft's CEO, said.

The Sakhalin-1 project includes the development of three offshore fields: Chayvo, Odoptu and Arkutun-Dagi.

The Sakhalin-1 consortium is composed of Rosneft (20%), Exxon Mobil (30%), SODECO (30%) and ONGC Videsh (20%).

RELATED NEWS ///

-
- Subsea 7 awarded contract offshore Egypt (/news/2015/12/31/subsea-7-awarded-contract-offshore-
 - Lundin drills duster at Ørnen prospect in Barents Sea (/news/2015/12/30/lundin-drills-duster-

ATTACHMENT 3

16 January 2016

Attorney General Eric T. Schneiderman
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The Fraud of “Fossil Fuels” - Part 3

6 Pages

The Fraud of “Fossil Fuels” – Part 3

One of the most insidious aspects of the Big Oil promotion of “fossil fuels” is the high-school-ish rant:

“We’re running out!”



The first time I was taught this rubbish was by a lovely lady Mrs. Joan Cashon, a social studies teacher at Washingtonville Central High School in Washingtonville, New York. This rant was also taught by my science teacher, Mr. John Christine. I graduated in 1970, three years before the farce called the “Arab Oil Embargo.” During that very embargo, while gathering nickels & dimes to pay for my Associates Degree at Orange County Community College in Middletown, New York, I worked as a mechanic and a gas pumper at Route 17M Gulf, in Monroe, New York. I graduated OCCC in 1974 where the notion of “fossil fuels” was imbedded in my Technical Physics course work.

None of these teachers, or many others throughout the Western world, are guilty of anything; except perhaps being naïve. The fact that the notion of “fossil fuels” had already been roundly discredited by detailed scientific research was viciously censored from their instructor’s manuals and our textbooks.

We were taught in this 1960-1970 era that, at most, the world had fifteen years remaining, and that we would “run out of fossil fuels.” That was not a mistake or a misstatement; it was a lie.

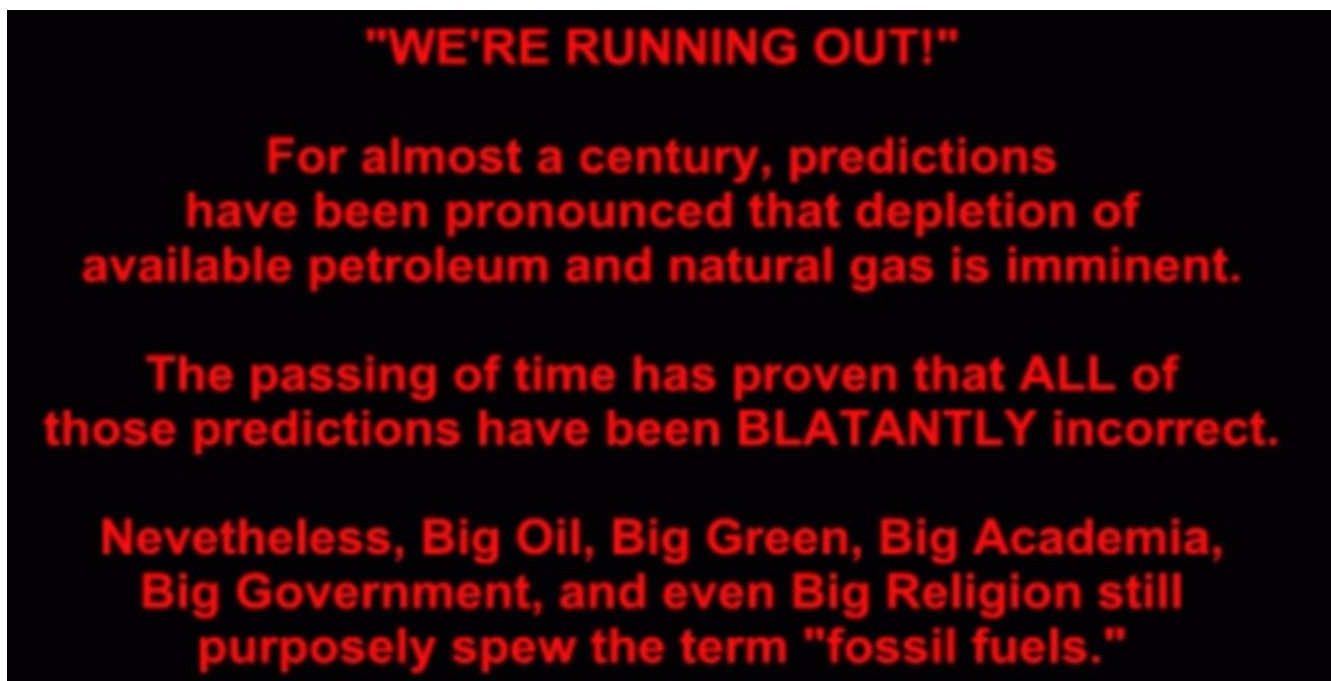
In Attachment 1 above you will find an invitation to view my video montage entitled:

Geologic Oil: The Fraud of “fossil fuels,” <https://vimeo.com/147956179> , where you will find the following screenshots:

**Of the 4000+ papers written, primarily in Russia,
on the geological origins of oil and natural gas,
NOT ONE HAS BEEN ACCEPTED
into the western “intellectual” and science
publications . . . a censorship that has not only
led to economic disruption and ignorant policy
decisions, but the latter has comprised the basis for

MILITARY CONFLICT CAUSING
THE DEATH AND HORRIFIC MAIMING
OF INNOCENT HUMAN BEINGS.**

The Fraud of "Fossil Fuels" – Part 3 – con't



One of the most putrid examples of "education" in the 1970's resulted from the Big Oil, Big Academia, Big Government propaganda film:

"When the Circuit Breaks: America's Energy Crisis"

<https://www.youtube.com/watch?v=6SmG23e4xHQ>

I have also uploaded this 1975 propaganda film here: <https://vimeo.com/149917990>

During and subsequent to this now-roundly discredited "fossil fuels" propaganda , was the price gouging of the American consumer by Big Oil. And then the gouging of America's finest men and women, fighting and dying in the Middle East; told that doing so "protected our American way of life," etc. But as the screenshot above implies, Big Oil is not alone in their culpability. They had plenty of assistance from their donor targets in Big Academia.

In the following pages of this attachment you will find just one sample of innumerable but very recent news articles that point to a massive glut of oil on the world markets; but not one spewing the worn out misnomer "fossil fuels," or that the rant "We're running out!"

CLICK [HERE](#) TO EARN UP TO TRIPLE POINTS. 

Oil tumbles toward 11-year lows on worsening glut

 **REUTERS** By By Dmitry Zhdannikov and Amanda Cooper | Reuters – 1 hour 42 minutes ago

By Dmitry Zhdannikov and Amanda Cooper

LONDON (Reuters) - Oil prices tumbled 4 percent on Monday, coming close to their 11-year low, on growing fears that the global oil glut would worsen in the months to come in a pricing war between leading OPEC and non-OPEC producers.

Brent crude fell by 4 percent to below \$36.40 a barrel for the first time since December 2008 and U.S. West Texas Intermediate (WTI) sank almost 3 percent below \$34.60 a barrel.

Brent traded only 14 cents above the lows last seen during the 2008 financial crisis of \$36.20 a barrel.

If Brent falls below that level, that will be its lowest since mid-2004 - a year when oil was beginning its surge from the single digits it hit during the 1998 financial crisis and when talk of a commodity super-cycle was only beginning.

WTI's financial crisis low was \$32.40 in December 2008.

"Oil is coming under pressure as the lack of OPEC cuts mean incessant oversupply continues," said Amrita Sen from Energy Aspects think tank.

Both benchmarks have fallen every day since the Organization of the Petroleum Exporting Countries on Dec. 4 abandoned its output ceiling. In the past six sessions, they have shed more than 13 percent each.

OPEC has been pumping near record levels since last year in an attempt to drive higher-cost producers such as U.S. shale firms out of the market.

New supply is likely to hit the market early next year as OPEC member Iran ramps up production once sanctions are lifted as expected following the July agreement on its disputed nuclear program.

"All new production will be earmarked for exports," BMI Research said in a note. "In addition to volumes released from storage, Iran will be able to increase crude oil and condensates exports by a maximum of 700,000 b/d by end-2016," it said.

Iran's crude oil exports are set to hit a six-month high in December as buyers ramp up purchases in expectation that sanctions against the country will be lifted early next year, according to an industry source with knowledge of tanker loading schedules.

Iranian news agency Shana quoted on Monday manager director of Iran's Central Oil Fields Company, Salbali Karimi, as saying Iran's cost of production stood \$1-\$1.5 per barrel, in a clear indication it would ramp up output in any price scenario.

Gulf producers and Russia have said they would not cut output even if prices fell to \$20 per barrel.

On Friday, the International Energy Agency (IEA) said that the global supply glut was likely to deepen next year and put more pressure on prices.

OPEC supply is likely to increase by 1 million bpd next year, Morgan Stanley analysts said in a research note on Monday.

"Almost the entirety of added supplies in 2016 will come from Iran, Iraq and Saudi," it said.

(Reporting by Amanda Cooper and Dmitry Zhdannikov; Editing by William Hardy)

Why Are Fuel Prices So Low? A Global Oil-Supply Glut Is Making Crude Just About The Cheapest Liquid Around

IBT www.ibtimes.com/why-are-fuel-prices-so-low-global-oil-supply-glut-making-crude-just-about-cheapest-2236840



A driver pumps gas in Miami. Sub-\$2-a-gallon gasoline is prevalent around the country. Photo: Getty

Gasoline prices just keep falling. The Texas affiliate of AAA, the automobile association, said Tuesday that the statewide average price of a gallon of gasoline dropped a penny this week, to [\\$1.79](#), one of the lowest prices in the nation.

Some Americans living in the country's oil patches, especially in Texas and Oklahoma, are enjoying prices below \$1.70, or about 30 cents lower than the national average measured by [GasBuddy.com](#), which tracks national pump prices.

Gasoline prices are closely linked to crude oil prices, and a 42-gallon oil-filled barrel dropped below \$40 earlier this month and is hovering at \$36 this week, about a fourth of its all-time highest price. A gallon of crude oil has gone from a peak of \$3.45 in 2008 — or nearly the same cost as an equal quantity of whole milk — to 85 cents a gallon, making crude just about the cheapest liquid around. Meanwhile, gasoline, which costs more because it's refined from crude, is now nearly half the price of milk.

This time last year, U.S. gas prices were around \$2.30, almost \$1 less than where prices were during the 2013 holiday season. The price of gas hasn't fallen this low since March 2009, when the nation was mired in the longest period of economic contraction since the Great Depression.

Here's what other liquids would cost if bought in crude oil-barrel quantities. Photo: International Business Times

“The extra savings and cheer will certainly spread as we close out the year,” Patrick DeHaan, senior petroleum analyst at GasBuddy, said in a statement Tuesday. “There has not been a better time in years for motorists to extend their trips and travel farther, as sub-\$2 per gallon gas can be found at almost 70 percent of stations in the country.”

This year’s holiday-travel Christmas present to road-trippers is coming thanks to a massive global oil-supply glut. Gas prices track closely with crude prices, and West Texas Intermediate (WTI) crude, the U.S. benchmark, dropped below \$40 per barrel earlier this month, shedding more than half its value since the first half of 2014.

The price drop is due to Saudi Arabia and other oil-rich OPEC countries not pulling back on crude production. The reason is simple: They want to keep their customers as the U.S. is poised to [start exporting oil and gas to world markets](#) for the first time since the early 1970s.



U.S. West Texas Intermediate crude prices are a fourth of what they were in July 2008, the same month U.S. gasoline prices hit an all time peak of \$4.06 a gallon. Today, Americans in oil-rich states are paying less than \$1.70 a gallon. Photo: Thomson Reuters/IBTimes

This week, WTI futures (what traders think a barrel of oil will be worth in the near future) have been hovering around \$36 a barrel, cheaper than two tickets to see the new “Star Wars” film in large-format Imax. They’re at their lowest prices since February 2009, about 14 months into the Great Recession.

Gasoline prices and crude prices follow each other, and both hit their all-time peaks in July 2008: more than \$4 for gas and about \$145 per barrel of oil. Today, gas is half that price and crude is down sharply. What a difference seven years makes.

ATTACHMENT 4

16 January 2016

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Anthropogenic Global Warming (AGW) Imbroglia :

The Fraud: Long-term Atmospheric Carbon Dioxide is Positively Correlated to Temperature

24 Pages

Anthropogenic Global Warming (AGW) Imbrogio :

The Fraud: Long-term Atmospheric Carbon Dioxide is Positively Correlated to Temperature

On page 5 above I discuss my initial conversation with AGW proponent Professor Alan Robock of Rutgers University, researcher for the National Oceanic and Atmospheric Administration (NOAA). In a follow-up conversation I reiterated my 'simple question'

“ What is the correlation value, the R-squared value, between atmospheric carbon dioxide in PPM and global temperatures; and please specify the time period for the value you offer? ”

and Robock declared:

*“ There's a lag anyway. You increase CO2 it takes awhile for the temperature to warm up. They're both going up, that's clear. But if you look at the ice ages for the last several hundred thousand years; I don't know if you saw Al Gore in his movie. So, he shows as a correlation between CO2 and temperature. **But on that time scale, the temperature is causing the CO2 to go up, not the other way around.** When the climate warms more CO2 comes out of the ocean and warms, and that further warms the atmosphere just a little bit. But it doesn't prove that CO2 causes warming, in fact it's the other way around on that time scale. But, in addition to that, we're now putting CO2 in a million times faster than the natural system can take it out. So it's building up very quickly, and there's no way to explain the warming of the last sixty years except for the effects of the greenhouse gases.*

*Just because something is correlated, doesn't mean that one causes the other. **It could be either direction.** ”*

As an AGW proponent Professor Robock implicitly believes that CO2 initializes global temperature increases. He then states, although he claimed such discussions are “*too simplistic,*” that Al Gore had ostensibly answered my simple question about correlation. Then, having learned of my erudition in these topics, Robock declares the reverse: that “*the temperature is causing the CO2 to go up, not the other way around.*” But, of course, that obviates the central theme of AGW, **and confirms Robock's knowledge of the well-known fact that the long-term R-squared value is NEGATIVE!**

And Robock's caveat about humans and “*a million times faster,*” is not even close to true. It is known that natural contributions to CO2, in certain historical biospheric/physical conditions are just as fast or faster.



Dr. Martin Hertzberg is the former U.S. Navy meteorologist with a PhD in Physical Chemistry from Stanford University and holder of a Fulbright Professorship. Hertzberg is an internationally recognized expert on combustion, flames, explosions, and fire research with over 100 publications in those areas.

Relating to the Robock quote above is the widely distributed paper by Hertzberg, called:

The Lynching of Carbon Dioxide – The Innocent Source of Life

Hertzberg begins the attached paper by discussing Al Gore, the IPCC, and their key AGW argument: their hypothesis that CO2 drives global climate (i.e. global warming):

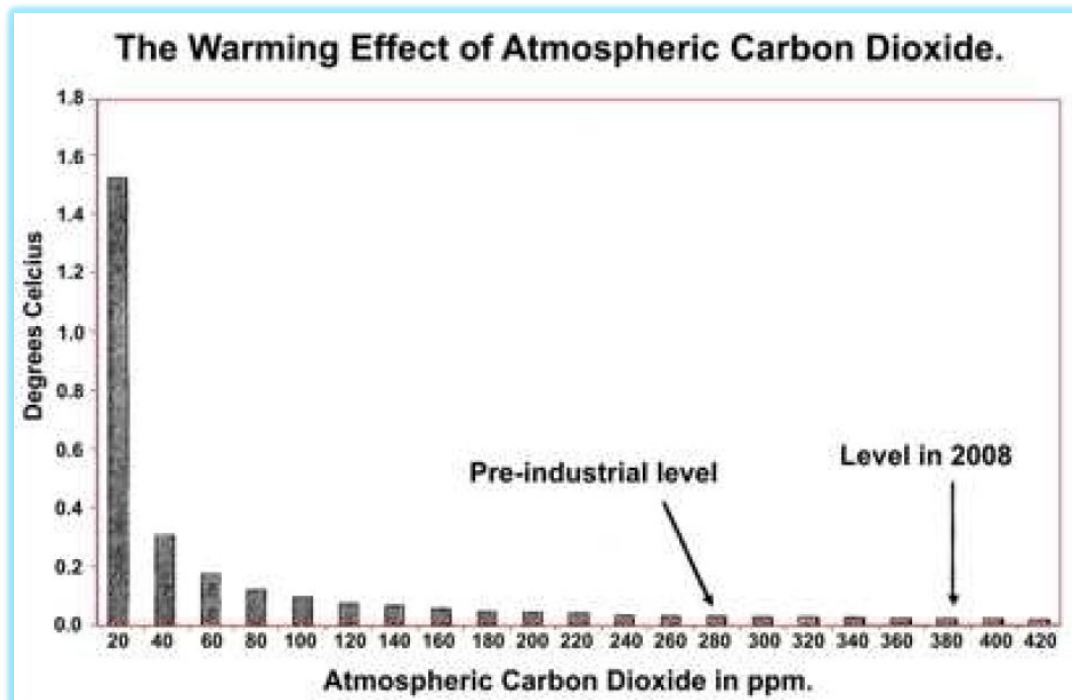
Note that Hertzberg regurgitates their “fossil fuels” misnomer in item 2.

On pages 3-4 he presents a little known fact about the relationship between “**increases in concentration of CO2 and atmospheric heating.**” In essence, CO2 has a very small positive effect on atmospheric temperature, but only beginning with a system that had zero CO2 to begin with! The small positive contribution continues with each incremental increase until about 280ppm . . . but then all further temperature response is null. In other words, **the CO2-temperature relationship becomes asymptotic !**

This is crucial to the refutation of the Gore-IPCC fiction that if humans continue to increase CO2 in the atmosphere, past the arbitrary point of 500ppm, then the atmospheric response will lead to the James “*death trains*” Hansen fairy tale of a “tipping point.” Nonsense. But since we are beyond the asymptotic maximum, further increases in CO2 will, and have had zero effect on global temperatures:

THE GORE-IPCC HYPOTHESIS

1. Over the last 200 years, the atmospheric concentration of CO2 has increased from 280 to 385 parts per million, ppm. That is a 36% increase from 0.028% to 0.039%.
2. That increase is caused by the human combustion of fossil fuels such as coal, petroleum products and natural gas.
3. As a result of that increase in atmospheric CO2, energy normally lost from the surface of the earth by infrared radiation to free space, is instead re-absorbed by the atmosphere, resulting in an increase in the temperature of the atmosphere (the Greenhouse Effect).
4. That Greenhouse warming of the Earth's atmosphere has already been observed and any continuing increase will result in dire consequences for mankind.
5. Accordingly, it is imperative that CO2 emissions from power plants, automobiles, industries and homes be reduced. that is essential in order to reverse this anthropogenic (human caused) global warming.



Although not widely known to various attorneys general, this type of scientific esotericism is well-known to Gore, Robock, Hansen, the IPCC and the climate bolsheviks. This type of esotericism is not easily conveyed to the layperson, but what follows below from Hertzberg is very easily conveyed.

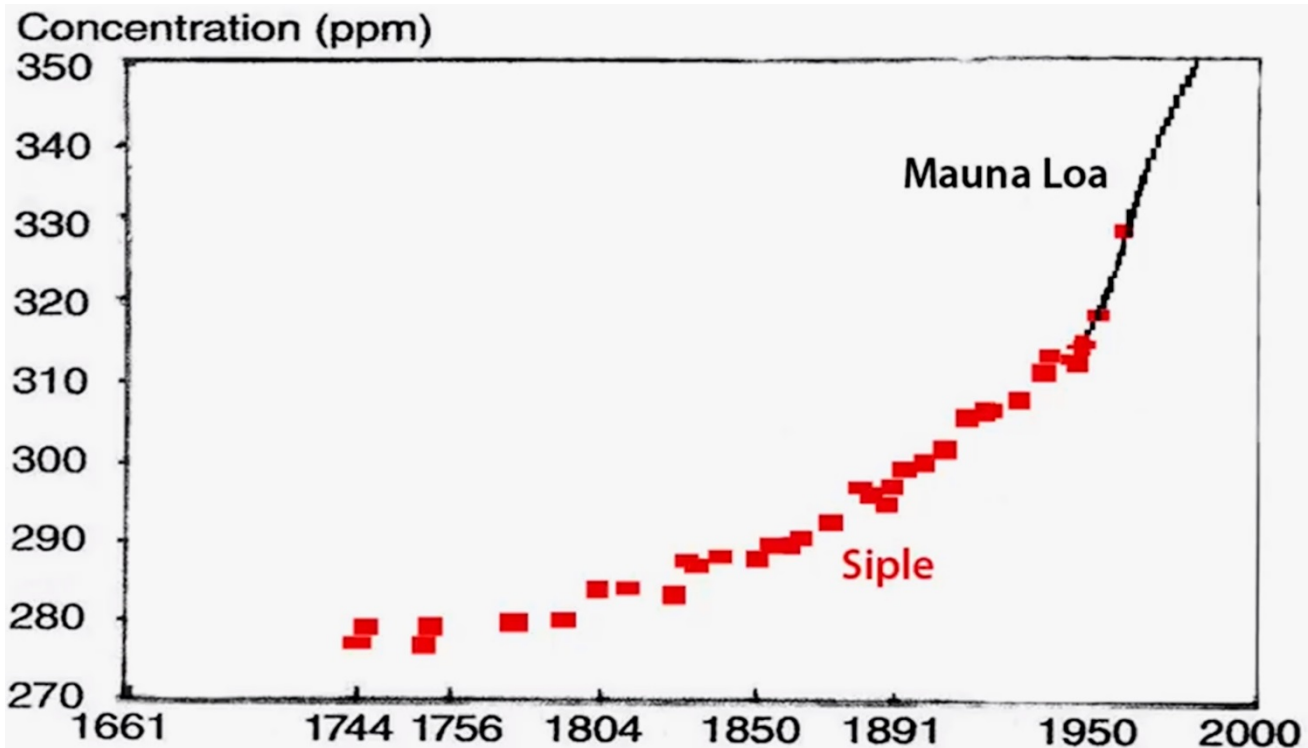
Relating to Gore's Nobel Prize and the portent of this attachment, the APW allegation that long-term atmospheric carbon dioxide is positively correlated to temperatures, Dr. Hertzberg agrees with Robock:

“But Gore’s most egregious error is his contention that these high CO2 values actually caused the temperature rises. What he knows but fails to mention is that these same data show that the changes in temperature always precede the changes in CO2 by about a thousand years. The temperature increases or decreases come first, and it is after that that the CO2 follows. Any objective scientist looking at that result would conclude that it is the warming that is causing the CO2 increase, not the other way around as Gore claims.” (underline added)

In other words, unlike Professor Robock who admitted with a modicum of integrity that CO2 is negatively correlated to temperature, Al Gore openly deceived the layperson about that rudimentary fact; he did this in his film . . . and in his Nobel Prize celebration gala.

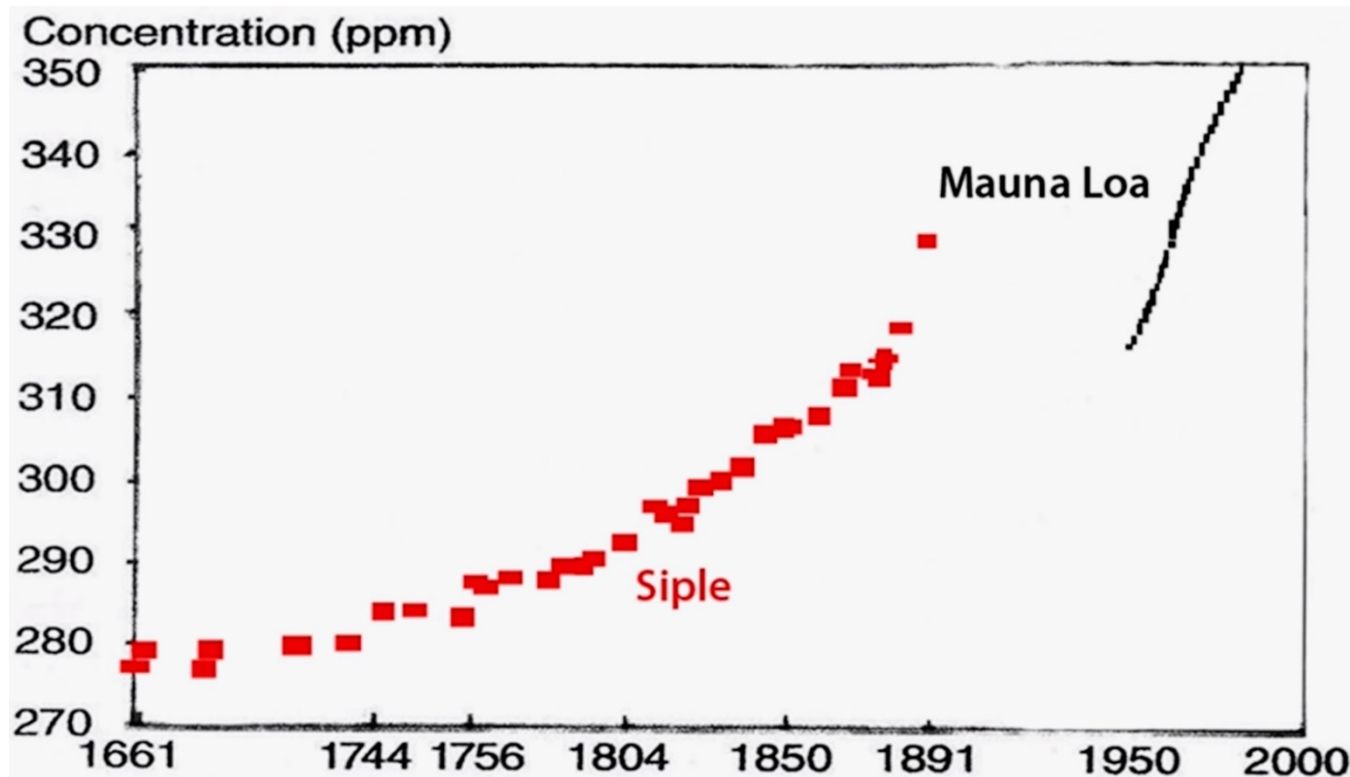
Dr. Hertzberg’s paper discusses the inveracities of ClimateGate and Michael “*hockey stick*” Mann but, relating to the latter, he presented ‘Climategate and Scientific Inquiry’ in 2010 at the Cafe Scientifique in Frisco, Colorado, available here : <https://www.youtube.com/watch?v=vPTiTFMhZrg> . Specifically, Dr. Hertzberg demonstrates how climate data manipulation and outright fraud is not limited to Penn State University professors, HARDLY! Indeed, it would seem, all of the IPCC is afflicted with this behavior.

In 2010 Dr. Hertzberg showed exactly what the United Nation’s IPCC presented to the global community; a graph the IPCC boldly stated was reviewed and approved by an “*overwhelming consensus of scientists*” as historical and scientific fact:



As Dr. Hertzberg, and many others have demonstrated, the above graph was KNOWN, by the IPCC and the climate bolshevik horde, to be a FRAUD.

In manipulative lockstep with the Michael Mann sputum, that the Medieval Warm Period never occurred, the IPCC simply deleted/disconnected almost 100 years of well-established CO2 data. The actual graph, the actual compilation of data, known to the IPCC, shows the following historical reality:



In other words, consistent with the Robock quote from page 1 (of this attachment) the actual atmospheric CO2 data trend had been increasing in response to the post-Little-Ice-Age global temperature increases, and still is! The true data shown above indicates that, as the Little Ice Age consummated in 1850, CO2 was already rising to a pre-industrial era level of 330ppm . . . as recorded in 1891!

This pre-industrial CO2 was an “*inconvenient truth*” for the climate bolsheviks, so the associated data had to be manipulated, ala the same motivations of Michael “*hockey stick*” Mann, to maintain the fraud that CO2 increases lead temperature increase (quoting Robock, “**not the other way around.**”)

Contrary to the ClimateGate public relations rhetoric from Big Academia and Big Media, the above behavior is utterly consonant with the lack of character and confirmatory of the lack of integrity of the scientists and other constituents of the United Nations IPCC. In the words of Dr. Hertzberg:

“The emails between their researchers and comparable institutions in the United States are quite revealing. They (the emails) reveal what I feel is an appalling lack of scientific integrity. They conspired to discredit and to prevent the publication of papers from other scientists who disagreed with them. They also indicate that they tried to suppress data so that they did not have to respond to requests under the Freedom of Information Act, both in the US and the UK.”

<https://www.youtube.com/watch?v=vPTiTFMhZrq>

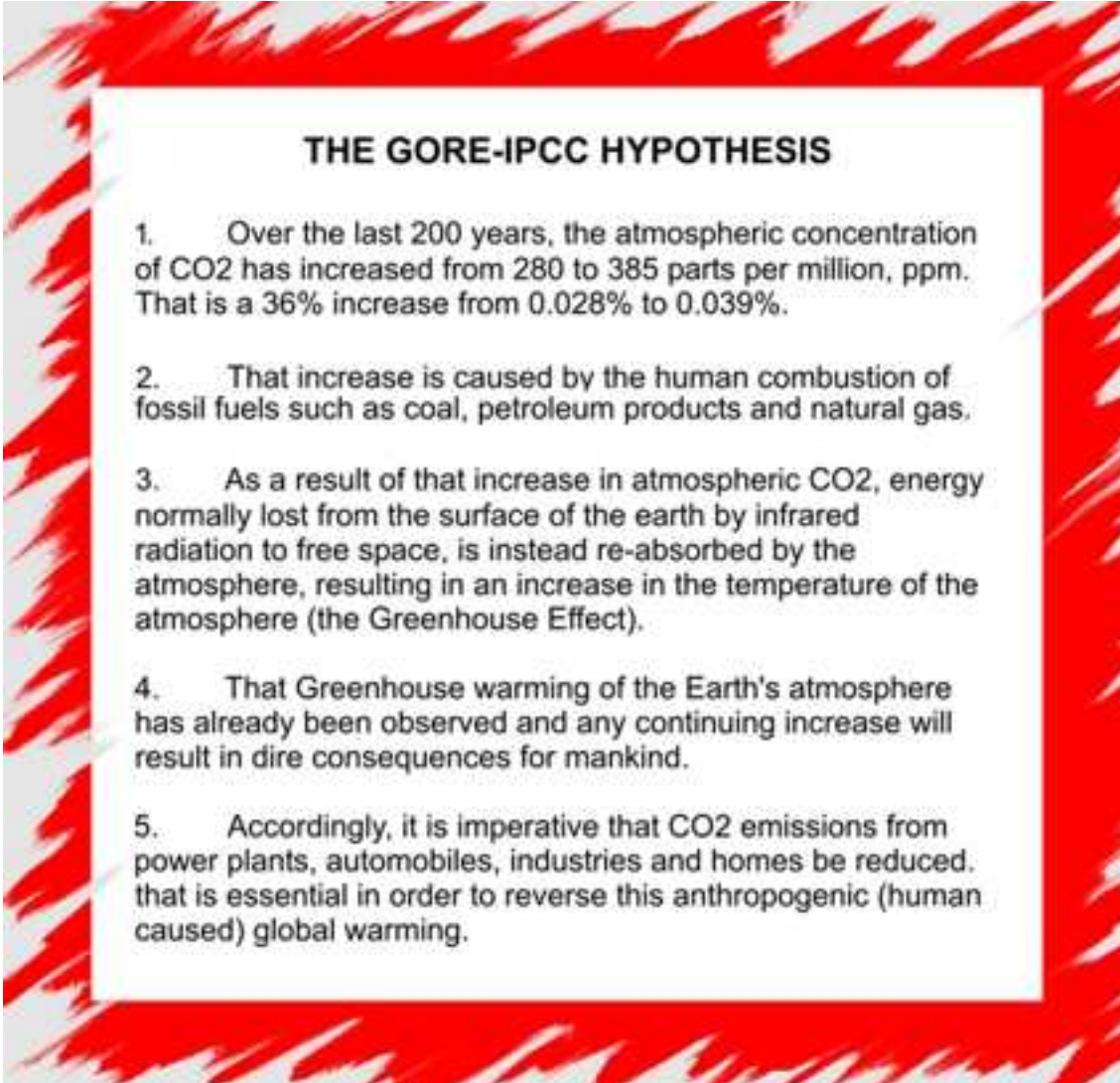
Please note that the following refutes adolescent Big Media/Big Academia hype that release of the [ClimateGate emails](#) were the result of “hacking.”

<http://wattsupwiththat.com/2015/09/28/the-need-to-revisit-the-climategate-revelations-to-counter-mainstream-media-failure-and-the-paris-climate-conference-plans/>

The Lynching of Carbon Dioxide - The Innocent Source of Life

by Dr. Martin Hertzberg

Al Gore and the International Panel for Climate Change (the **IPCC**) have for years presented the public with this argument:



THE GORE-IPCC HYPOTHESIS

1. Over the last 200 years, the atmospheric concentration of CO₂ has increased from 280 to 385 parts per million, ppm. That is a 36% increase from 0.028% to 0.039%.
2. That increase is caused by the human combustion of fossil fuels such as coal, petroleum products and natural gas.
3. As a result of that increase in atmospheric CO₂, energy normally lost from the surface of the earth by infrared radiation to free space, is instead re-absorbed by the atmosphere, resulting in an increase in the temperature of the atmosphere (the Greenhouse Effect).
4. That Greenhouse warming of the Earth's atmosphere has already been observed and any continuing increase will result in dire consequences for mankind.
5. Accordingly, it is imperative that CO₂ emissions from power plants, automobiles, industries and homes be reduced. that is essential in order to reverse this anthropogenic (human caused) global warming.

Now Al Gore, the IPCC, and the vast majority of politicians in the US and Europe argue that this is all established science. But I am here to show that not only is this not established science, but that the objective evidence available indicates that it is false.

Shocking isn't it? You might ask, how can a lifelong Democrat like myself reject my party's position on global warming and join the camp of the skeptics, virtually all of whom are Republicans or neo-cons.

So, I'll tell you how it all started for me.

My involvement in this issue of global warming started in 1986 at a NATO-sponsored meeting on coal combustion that was held in the French Alps. A colleague from MIT, actually solicited my opinion on the subject of global warming.

Now, just being asked for an opinion by someone from MIT is a great honor. I had given a paper at a Combustion Symposium at MIT in which I had used the infrared emissions from CO₂ to measure explosion temperatures, so I was familiar with its spectrum, and he knew that I had once been a meteorologist, so he solicited my opinion.

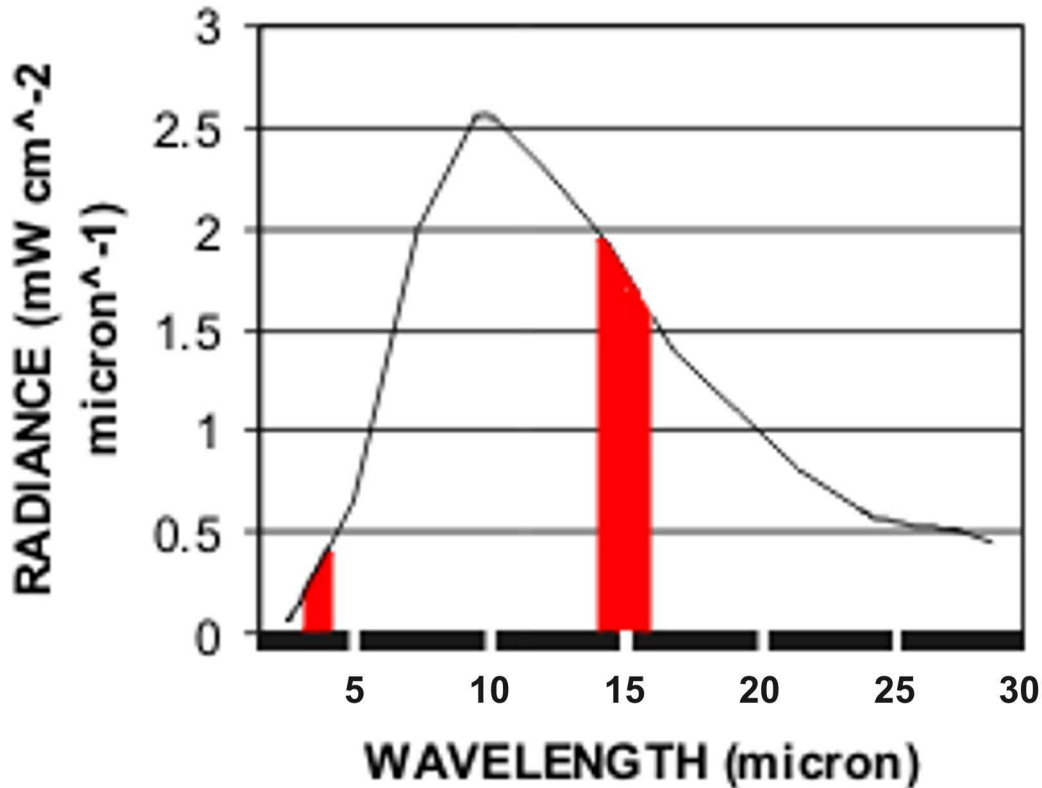
Shortly thereafter, a colleague from New Zealand, who had worked in our lab while on his sabbatical, wrote to me about the subject, and we proceeded to collaborate on a study of the problem.

We confined our attention to item 3 of the Gore-IPCC argument which dealt with the infrared absorption of atmospheric CO₂ and the atmospheric heating that would result. In 1994, I presented our paper at a Symposium in Irvine, California.

Let us look at the atmospheric absorption spectrum of CO₂.

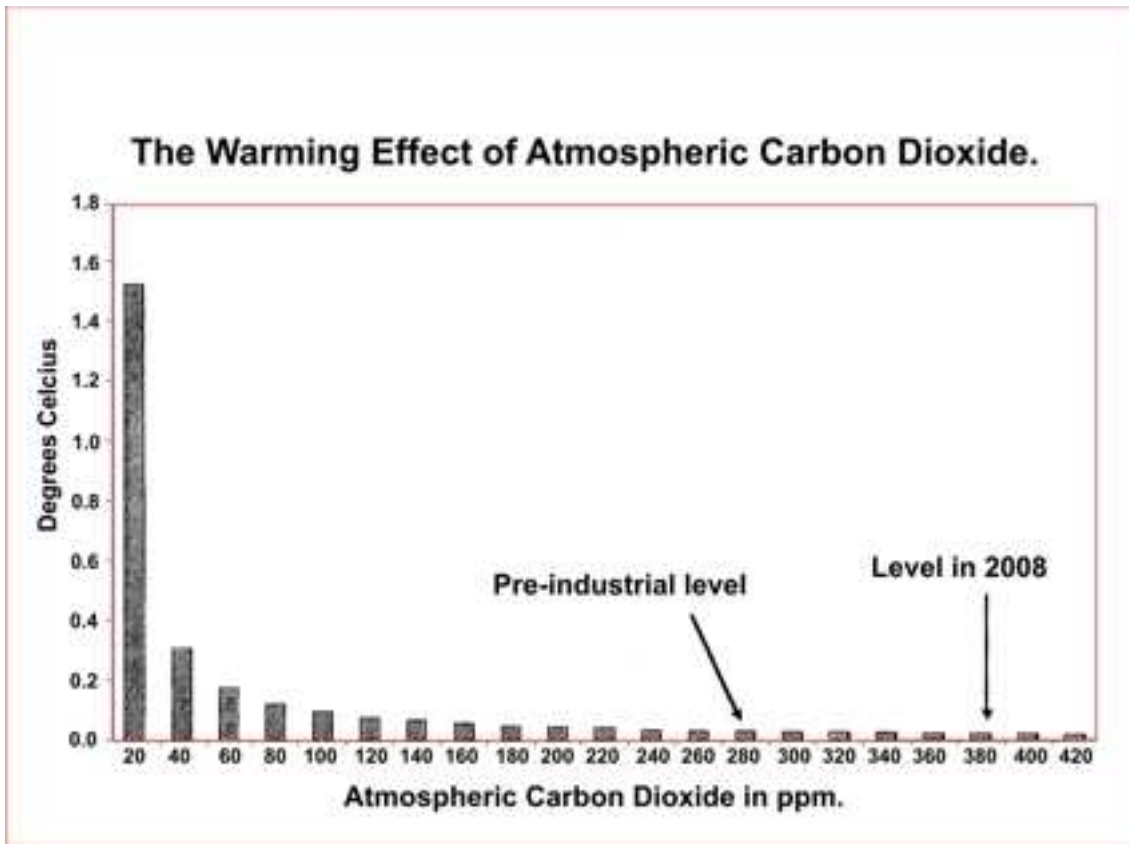
ATMOSPHERIC CO2 ABSORPTION

■ Main bands



This plot shows the approximate spectrum of the infrared heat radiated to free space from the surface of the earth at the earth's average temperature. It represents the maximum possible heat loss that would balance the heat gained from the sun. Plotted on the graph are the narrow absorption bands of atmospheric CO₂ that would represent its "greenhouse effect". They are at 4.3 and 15 microns. I used the 4.3 micron band for my measurements of gas temperatures. The bands are narrow and confined and at most they can absorb only a few percent of the total energy under this curve.

The situation is further clarified in this next figure, where we show the effect of increasing the concentration of CO₂ on atmospheric heating.

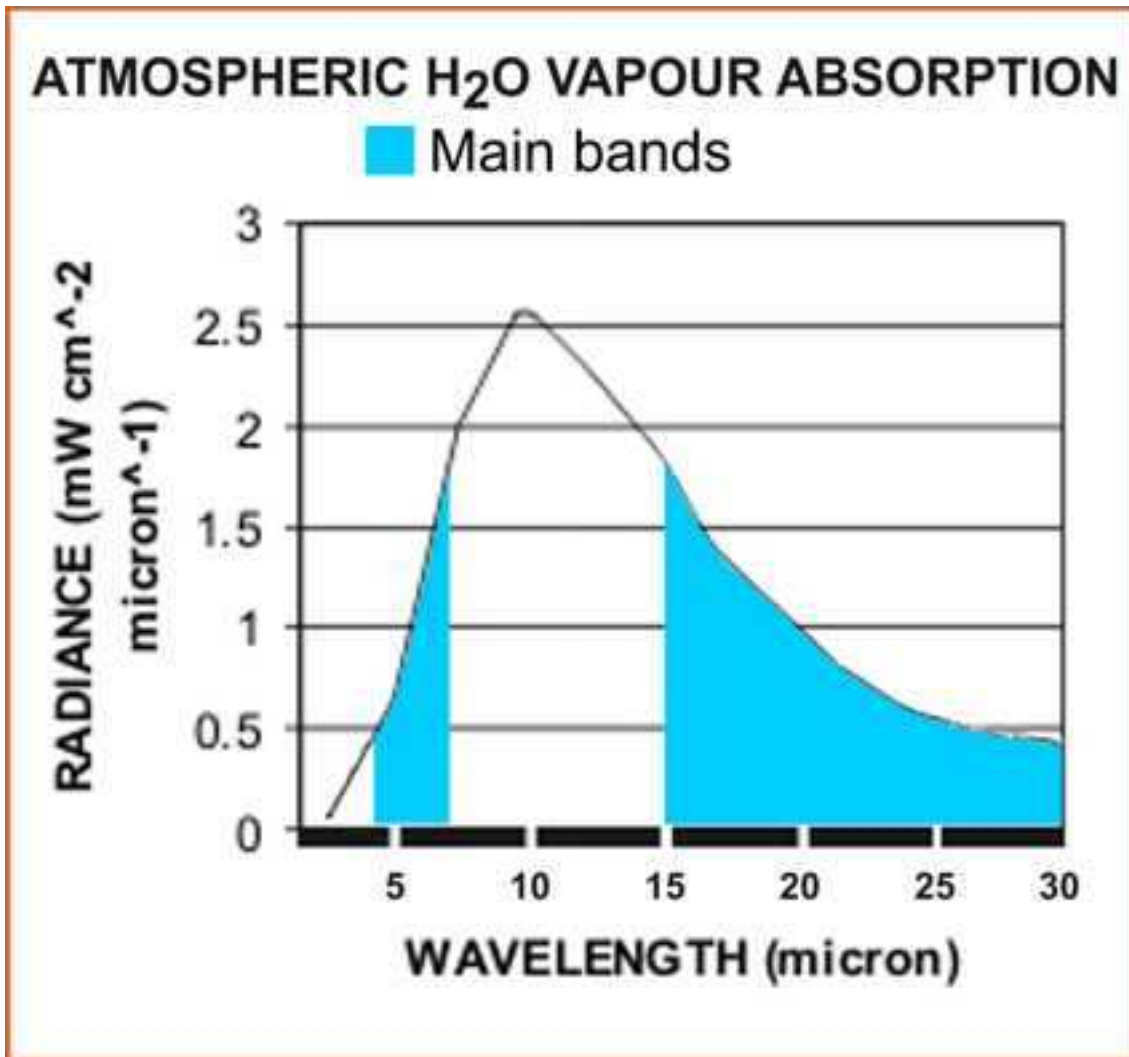


The first 20 ppm of CO₂ essentially makes the atmosphere almost opaque at those previously shown wave lengths, so that doubling the concentration to 40 ppm increases the heating effect by only 20 % more. Doubling it again to 80 ppm increases the heating effect by only 7 %.

As you can see, increasing the concentration further diminishes the heating effect, so that by the time we get to the last century's increase from 280 to 380 ppm, the effect is utterly trivial. It is as though you had blackened a glass window with one coat of paint so that it was 99 % opaque. Adding a second coat increases its opacity by only 1 % more, but it is now completely opaque. Adding a third coat, has no visible effect at all.

Even more significant is the effect of water vapor in the atmosphere, which for a tropical atmosphere can be as high as 20,000 parts per million. Its absorption bands in the infrared are far

more significant than those of CO₂. They are shown here and they absorb an order of magnitude more than can be absorbed by CO₂.



In addition, water in the form of cloud droplets covers on the average about 30 % of the earth's atmosphere, so that clouds will keep about 30 % of this central radiance from being lost to free space.

After looking at such data and evaluating it, the conclusion of our 1994 paper was (and I quote):

“ The problem of obtaining a reliable value for the absorptivity to emissivity ratio for all the entities at the earth’s surface and in its atmosphere that participate in the radiative equilibrium process is a formidable task. It is unlikely that any proposed model contains a realist ratio for the entire globe over a long enough time scale....

“ It is implausible to expect that small changes in the concentration of any minor atmospheric constituent such as carbon dioxide, can significantly influence that radiative balance, despite the fact that carbon dioxide plays a major role in the biosphere. The most significant atmospheric component in the radiative balance is water: as a homogeneous absorbing and emitting vapor, in its heat transport by evaporation and condensation; as clouds, snow and ice cover, which have a major effect on the albedo, and as the enormous circulating mass of liquid ocean, whose heat capacity and mass/energy transport with the atmosphere dominate the earth’s weather.” (end quote)

In the 14 years since that conclusion was drawn, all the data I have seen only further reinforces that conclusion. So much so, that I currently dramatize that conclusion on the subject by saying:

“ In comparison to water in all of its forms, the effect of the carbon dioxide increase over the last century on the temperature of the earth is about as significant as a few farts in a hurricane!”

In the intervening years, as the fear mongering hysteria on the subject of human caused global warming grew, and as Gore was able to negotiate the Kyoto protocol on the subject, I felt compelled to get my analysis published more widely. I wrote to Bert Bolin, the Swedish oceanographer, who headed the IPCC, and submitted the paper to Nature and Science, but despite the fact that I had published about 100 research papers by then, including a Navy manual on the use of computer models to forecast weather, they wouldn’t publish my analysis. Who was I to challenge all those sophisticated computer models that were predicting catastrophic

warming as a result of human emissions of CO₂? Never mind that none of them had ever been verified, and besides I was challenging the results of an industry that was being supported by billions of dollars of research contracts and grants. Now since that 1994 paper, I have had the opportunity to study the data dealing with some of the other steps in this indictment of Carbon Dioxide, the Earth's innocent source of life, the essential ingredient of photosynthesis on which virtually all life on earth depends. We have dealt with step 3 of the Gore-IPCC table; now we shall move to consider step 2.

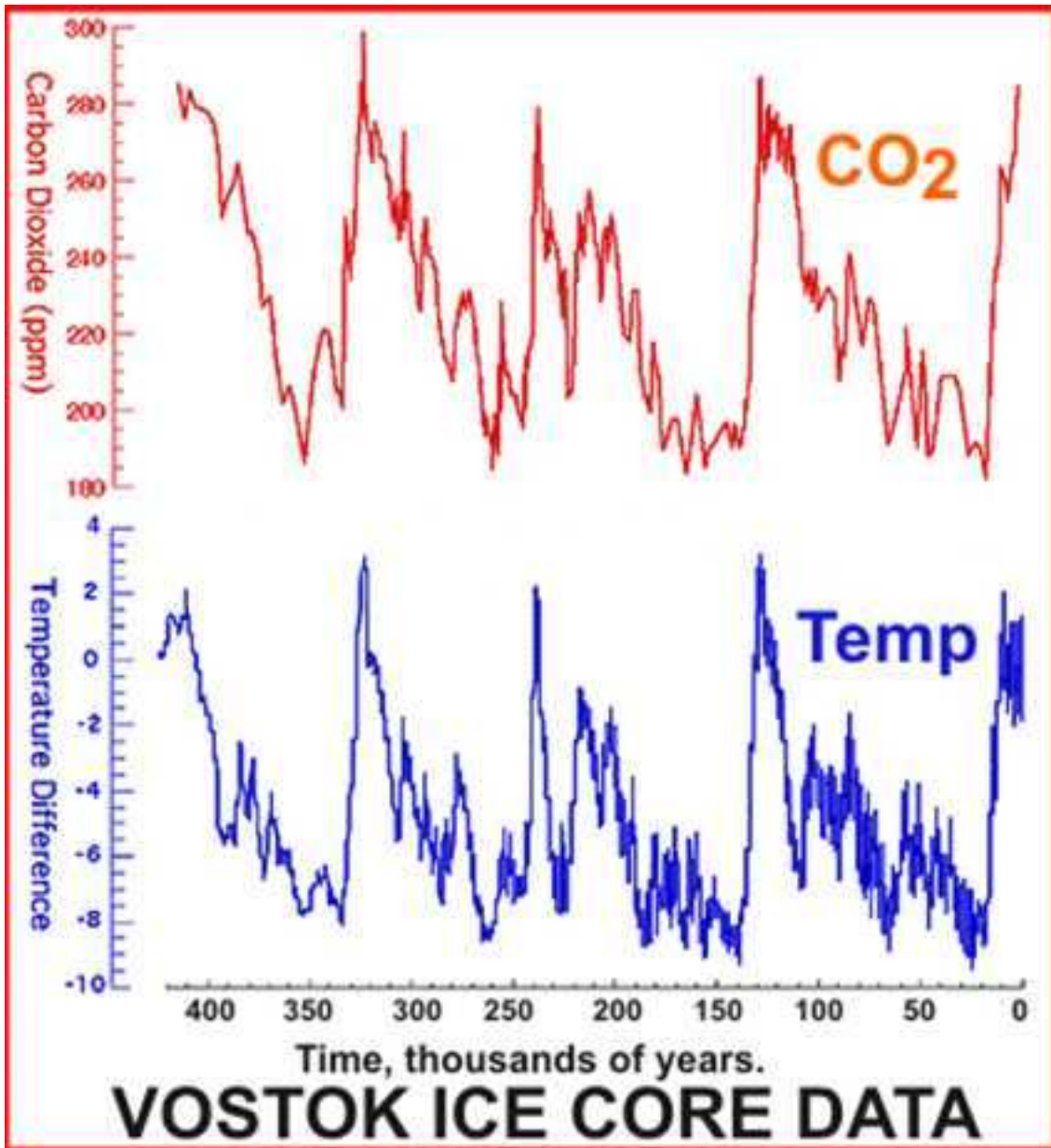
THE GORE-IPCC HYPOTHESIS

1. Over the last 200 years, the atmospheric concentration of CO₂ has increased from 280 to 385 parts per million, ppm. That is a 36% increase from 0.028% to 0.039%.
2. That increase is caused by the human combustion of fossil fuels such as coal, petroleum products and natural gas.
3. As a result of that increase in atmospheric CO₂, energy normally lost from the surface of the earth by infrared radiation to free space, is instead re-absorbed by the atmosphere, resulting in an increase in the temperature of the atmosphere (the Greenhouse Effect).
4. That Greenhouse warming of the Earth's atmosphere has already been observed and any continuing increase will result in dire consequences for mankind.
5. Accordingly, it is imperative that CO₂ emissions from power plants, automobiles, industries and homes be reduced. that is essential in order to reverse this anthropogenic (human caused) global warming.

Step 2 claims that the observed increase was caused by the human combustion of fossil fuel, step 4 argues that that anthropogenic increase represents a serious danger for mankind, and step 5 indicates that it is imperative that human emissions be reduced.

I will present some of the data that contradicts this Gore - IPCC hypothesis.

Also, several years ago, by pure chance, I met Alexander Cockburn, a columnist for the Nation magazine on a Nation cruise, and sensed that he too was a global warming skeptic. I sent him copies of my paper, my several letters to the editor, and other correspondence. Last year he wrote a series of columns based in part on my work. Copies of that series of columns are available for you to take with you. Politically, Cockburn is well to the left of me, and he has received lots of vituperative criticism from environmentalists and others for his articles. I myself have been accused of being a tool of the coal barons, which would come as a great surprise to them, since I spent most of my career advocating for more stringent safety regulations in their mines. So let's look at some more data, as shown here –



Here is the Vostok ice core data for the last 420,000 years. Gore showed this curve in his movie and in his book, "An Inconvenient Truth". The red line shows the atmospheric CO₂, and the blue line is the temperature relative to recent values.

The data show a remarkably good correlation in the long term variations in temperature and CO₂. There are four Ice Ages shown with average temperatures some 6 to 8 C below current values. Those ice ages are characterized by CO₂ concentrations as low as 170 - 190 ppm.

Five Interglacial Warming periods are shown with temperatures some 2 to 4 C above current values. They are characterized by CO₂ concentrations as high as 270 to 300 ppm.

The last warming period shown is the current one that started after the last ice age ended some 20,000 years ago. Gore uses this data to argue that this proves that high CO₂ causes global warming, and that the current levels at 385 ppm are higher than any over the past 420,000 years. And that's all you read about in newspaper headlines.

Is that an objective evaluation of this data? Let's look at what Gore failed to mention. First, this correlation has been going on for about half a million years, long before any significant human production of CO₂ which began only two hundred years ago.

Two hundred years is a bare pencil width on this time scale. Thus, it can be argued that the current overall increase in both CO₂ and temperature are merely the continuation of a natural process that has nothing whatever to do with human activity.

What he also fails to mention is data from the Eocene period some 20 to 30 million years before humans even appeared on the earth. In the Eocene, high latitudes were ice free, some 10 C warmer than they are today, and CO₂ concentrations were over 1,500 ppm, some 400 % higher than they are today.

But Gore's most egregious error is his contention that these high CO₂ values actually caused the temperature rises.

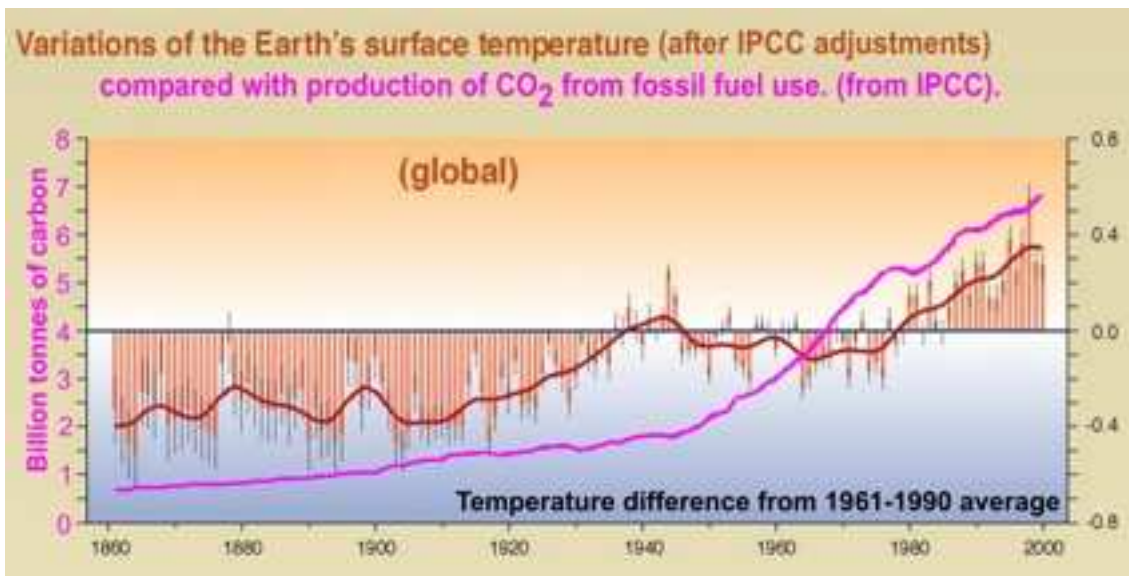
What he knows but fails to mention is that these same data show that the changes in temperature always precede the changes in CO₂ by about a thousand years.

The temperature increases or decreases come first, and it is after that that the CO₂ follows. Any objective scientist looking at that result would conclude that it is the warming that is causing the CO₂ increase, not the other way around as Gore claims.

Gore also neglects to ask the most logical question: where did all that CO₂ come from during those warming periods when the human production of CO₂ was essentially zero? The answer is that it came from the same place that the current increase is coming from: from the oceans. The amount of CO₂ dissolved in the Earth's oceans is at least 50 to 100 times greater than the amount in the atmosphere. As oceans warm for whatever reason, some of their dissolved CO₂ is emitted into the atmosphere, just as your soda pop goes flat and loses its dissolved CO₂ as it warms to room temperature. As oceans cool, CO₂ from the atmosphere dissolves back into the oceans, just as soda pop is manufactured by injecting CO₂ into cold water.

That explains not only the CO₂ variations in this data for the 420 thousand years before any human production of CO₂, but also the much larger CO₂ increases that occurred some 20 - 30 million years before humans even appeared on the earth.

So Gore and the IPCC have it back asswards: it is the warming of the earth that is causing the increase in CO₂, not the other way around as they claim. Let us look at some more data on the question of whether the current modest increase in the average temperature of the Earth is caused by the human production of CO₂. The data for the recent decades is shown here:

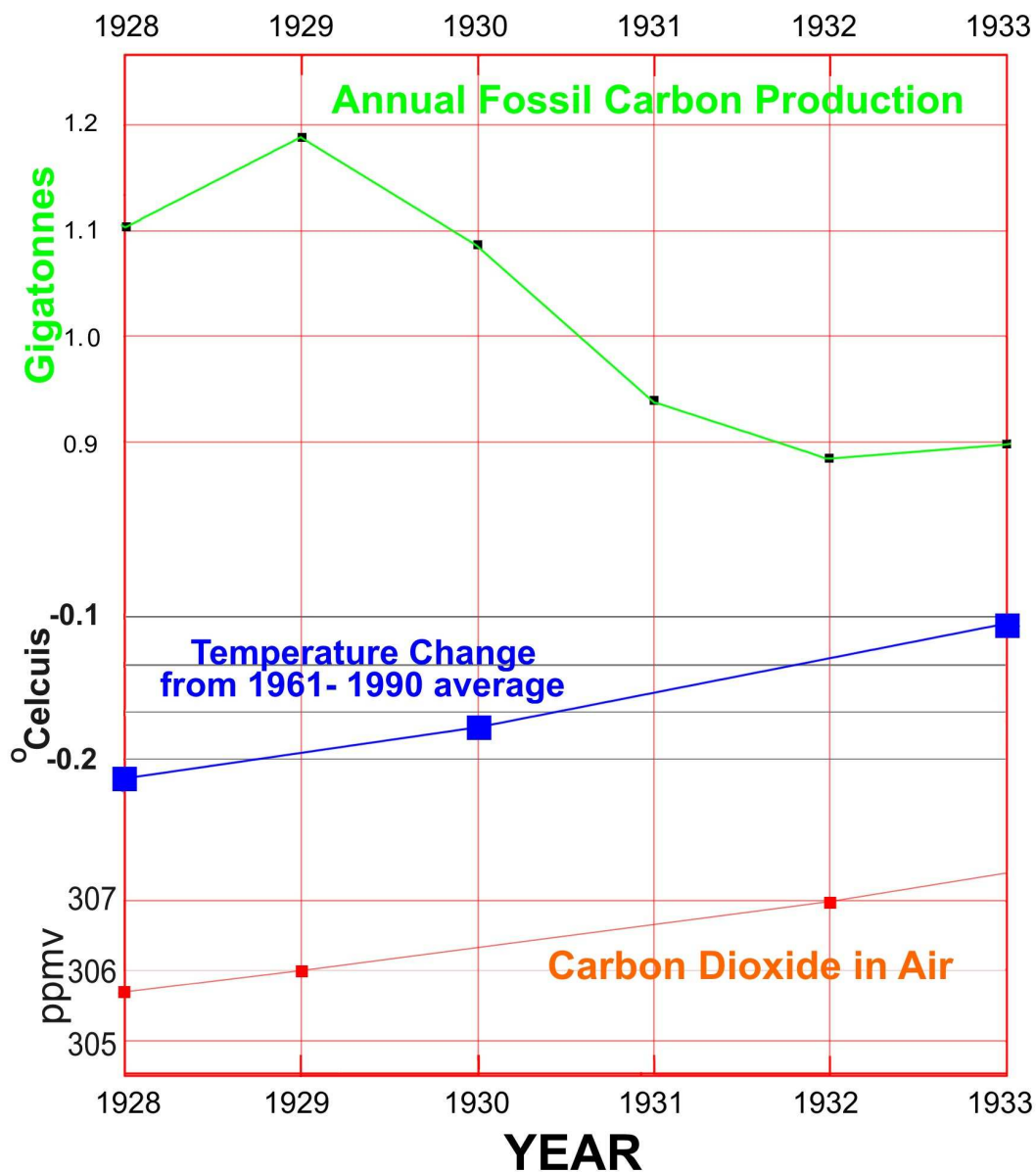


This is the IPCC data for temperature changes shown in red with the scale on the right. The orange line shows the overall temperature trends. It is compared with the human production of CO₂ from fossil fuels, shown in purple with the scale on the left. The overall increase in both quantities over the last century or so does not prove a causal relationship.

After all, lots of things have increased over the same period: the average height of buildings, the population of San Diego, the production of corn, the cost of living, and none of those is causally related to atmospheric temperature. The devil is in the details, for if we look at the period from 1940 to 1970, the average temperature of the earth dropped some 0.25 C at a time when the human production of fossil fuels tripled. I remember that period of the 1960's when we were warned that another ice-age was coming. Those warnings came from some of the same people who are now pushing the global warming scare. The rate of increase of temperature from 1910 to 1940 was about the same as from 1970 to 2000, yet the fossil production then was five times smaller than it is today.

One of the more dramatic contradictions to the Gore-IPCC hypothesis is one that I came up with myself, and which appealed to Cockburn and to an Australian group of fellow skeptics. Let's assume for the moment that Gore-IPCC are right; namely that the human production is dangerous and that we must reduce human production of CO₂. So let's do it! Guess what? We've been there and done that, and we didn't need the Kyoto protocol to do it. We reduced the world wide production of fossil carbon dioxide by a whopping 30% starting one year before I was born. Here's the data:

SOME CHANGES IN GREAT DEPRESSION



This is what actually happened during the years of the Great Depression. In 1929, production was at 1.17 Gigatons of carbon burned per year. Then the stock markets crashed, the depression hit, and human generation fell to 0.88 Gigatons per year.

What did the atmospheric CO2 and temperature data show during those three years? As you can see from the lower curves, they

didn't skip a beat in their relentless rise at their normal rate. So a 30 % decline in fossil carbon dioxide emission has absolutely no effect on temperature or atmospheric CO₂. Why? Again because the increase in CO₂ is coming from somewhere else: namely, the oceans, and the temperature is unrelated to human activity.

I don't have time now to go into all the details, but our best estimate of the human contribution of CO₂ to the atmosphere is that it trivial compared to the total amount generated naturally from respiration, the decay of vegetation, naturally occurring fires, volcanic eruptions, and the weathering of carbonate rock. Incidentally, when I indicated that the amount of CO₂ dissolved in the ocean was about 50 to 100 times greater than the amount in the atmosphere, I neglected to mention that the amount of CO₂ in carbonate rock in the earth's crust contains about 2000 times more than the amount dissolved in the ocean.

So far in my criticism of the Gore-IPCC hypothesis, we were dealing with lack of objectivity, or failure to ask the important questions. I will end this talk with two examples that go beyond that, and which border on fabrication.

The global warming advocates including the IPCC argue that the CO₂ we emit into the atmosphere lasts for centuries. Some even claim that it accumulates for thousands of years. Like unabsolved sins, they claim that our transgressions will pile up until the earth gets so hot that it burns up creating the hell we deserve.

The most authoritative study of the lifetime of CO₂ in the atmosphere was done by a Norwegian, Professor Tom Segalstad of the University of Oslo. The measured lifetime, based on the studies of some 50 independent researchers is at most about 5 years.

The best measurements came from the rate of decay of the radioactive isotope of Carbon, Carbon 14 which was injected into the atmosphere during past, above-ground nuclear weapons tests. It is an unambiguous and accurate measurement. You just measure its decay in the atmosphere as a function of time. Segalstad concludes that the short lifetime means that CO₂ is quickly taken out of the

atmosphere and recycled into the oceans. Despite such authoritative measurement, the global warming advocates still maintain that CO2 accumulates in the atmosphere for hundreds of years.

I will quote from Professor Segalstad's recent e-mail to me:

“ It is incredible that this wild idea of CO2 being an evil gas in the atmosphere has paralyzed most of the world today, especially since it is the “gas of life” responsible for photosynthesis that makes the food we eat. Daily we see the news media presenting apocalyptic views, not backed by solid measurements or comprehensive scientific theory. When we try to correct them, our contributions are usually rejected.....Editorial committees in scientific journals are now IPCC-supporting people, not allowing critics to appear in print. A manuscript submitted by me to Nature was rejected with only one sentence: '30 years of greenhouse effect research cannot be wrong'. I was tempted to tell the editor that he should terminate his publication altogether. After all if everything they published in the last 30 years was correct, who needs any more research.”

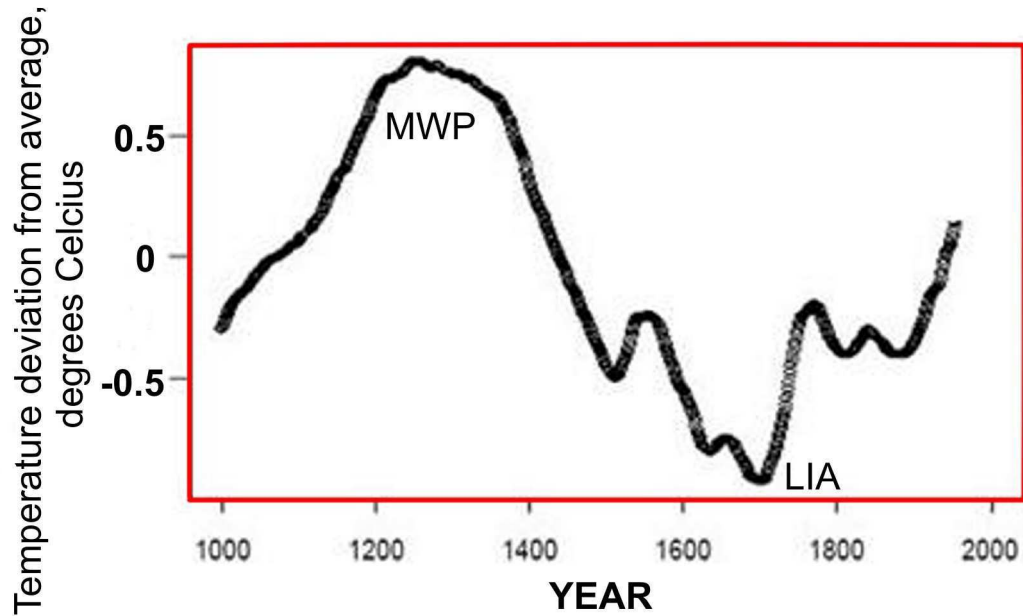
Too bad the small committee of the Norwegian parliament that awarded Gore and the IPCC the Nobel Peace Prize didn't have enough sense to consult with Prof Segalstad before they made their ghastly mistake. He was only a short distance away and he knew more about the subject than anyone of them.

But as you can see, Prof. Segalstad's experience in getting his work published is similar to mine.

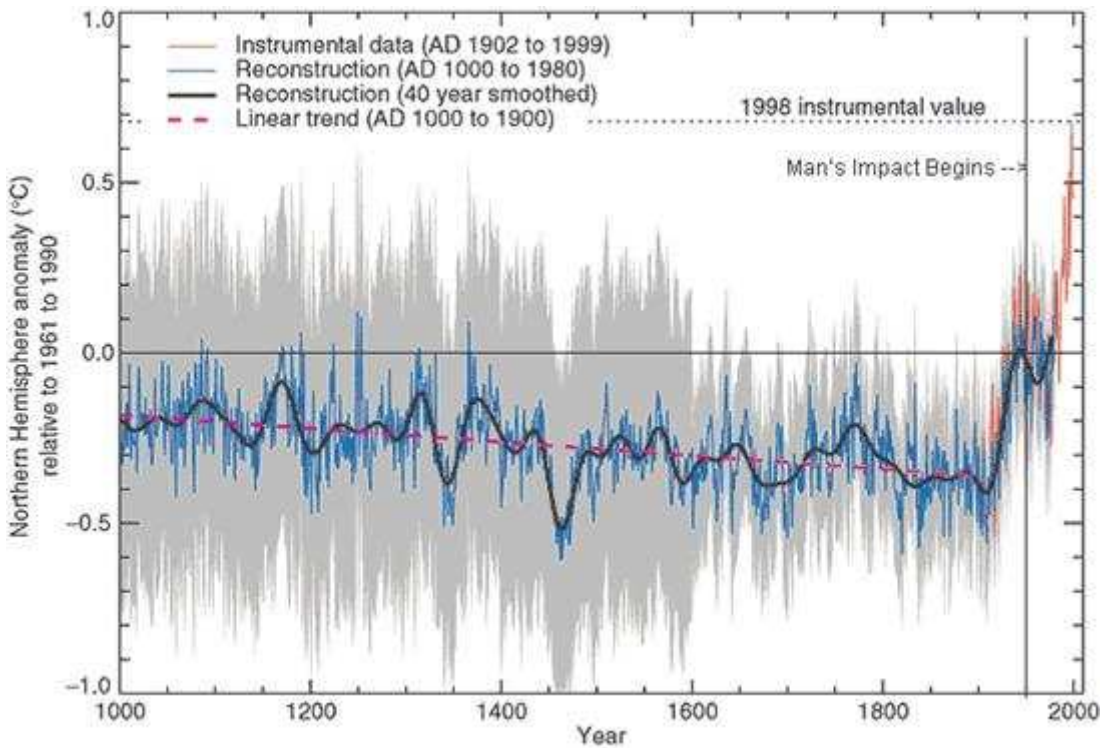
My final example is one of egregious fabrication. It is the infamous story of the hockey stick curve, as depicted here:

Now, the Hockey stick:

ACCEPTED EARLY GLOBAL TEMPERATURE RECONSTRUCTION.



Source: IPCC 1990. Since adjusted.



In their 1990 report the IPCC published the upper graph, of

how global climate had changed over the past 1000 years. It shows the Medieval Warm Period from 1000 to 1400 AD, and the Little Ice Age from about 1400 until 1880 AD. Those periods were well established in European history: for example, the Viking colonization of Greenland during the Medieval Warm Period, and those settlements collapsed during the Little Ice Age, when even the Thames in London froze over. Like the Vostok data, this curve presented a serious problem for the global warmers: the Medieval period was warmer than today with no significant human emission of CO₂, so what's so unusual about the current warming trend? The problem was solved for the global warmers by an obscure 1999 paper which used tree ring data to assess past temperatures.

Tree ring data are not a particularly reliable temperature proxies because tree rings are also influenced by other factors such as rainfall, sunlight, cloudiness, pests, competition from other trees, soil nutrients, frost and snow duration. Nevertheless, that tree ring curve is shown in the lower figure. As can be seen, it has the shape of a hockey stick.

Within a matter of months this hockey stick curve was accepted by the IPCC. Never mind that trees only grow on land and that 71 % of the earth is covered by water and thus have no trees. Never mind that the data were only from the Northern Hemisphere, but soon thereafter in a U. S. National Assessment, it became the global temperature curve. The coup was "total, bloodless, and swift and the hockey stick was greeted with a chorus of approval from the greenhouse industry."

Suddenly, the Medieval Warm Period and the little Ice Age became non events, consigned to a kind of Orwellian 'memory hole'. The global warmers argued that if those events had existed at all, they were strictly local, European phenomena.

The tree ring results were trumpeted in the media:
"New studies indicate that temperatures in recent decades are higher than at any time in the past 1000 years.....with the 1990's as the warmest decade and 1998 as the warmest year".

Many knowledgeable climatologists and others questioned those results, and asked for copies of the original data to check the analysis. The authors of the hockey stick report resisted, and only grudgingly yielded, so it took years to get the data and the complex computer program used to analyze the tree ring data.

An independent committee of statisticians was finally appointed to evaluate the tree ring results. They concluded that the authors had 'misused certain statistical methods in their studies, which inappropriately produced hockey stick shapes in the temperature history'. They also concluded that the claim that the decade of the 1990's was the hottest decade in the millennium and that 1998 was the hottest year in that millennium, could not be supported by the original data.

So how did the latest IPCC report of last year handle this issue? Did they make the appropriate correction and retract their previous assessment. Absolutely not. They simply never mention it, putting the whole issue into the same "memory hole" that they had earlier placed the Medieval Warm Period and the Little Ice age.

In recent years, climatologists have spread out all over the globe and found clear records of both the Medieval Warm period and the Little Ice Age in the following locations: the Sargasso Sea, West Africa, Kenya, Peru, Japan, Tasmania, South Africa, Idaho, Argentina, and California.

Here is the conclusion of a very distinguished, recently deceased, Australian climatologist, about this hockey-stick fiasco:

"The evidence is overwhelming, from all corners of the world, the Medieval Warm Period and the Little Ice Age clearly show up in a variety of proxy indicators, proxies more representative of temperature than the inadequate tree ring data.

"What is disquieting about the hockey stick is not its original publication. As with any paper, it would sink into oblivion if found to be flawed. Rather it was the reaction of the greenhouse industry to it - the chorus of approval, the complete

lack of critical evaluation of the theory, the blind acceptance of evidence that was so flimsy. The industry embraced the theory for one reason and one reason only - it told them exactly what they wanted to hear.”

Sound familiar? Remember the Iraqi defector code-named ‘curveball’ and his stories about all the weapons of mass destruction in Iraq?

What I have presented so far is just a small fraction of all the data available that directly contradicts the Gore - IPCC arguments. If we pursue the folly of carbon sequestration or carbon credit trading, we will be wasting hundreds of billions of dollars and it will have no effect at all, just as the 30 % reduction in fossil production during the great depression had no effect at all. The earth’s oceans and the photosynthesis process are much more effective in the sequestration of CO₂ than anything we can do artificially. Wasting hundreds of billions of dollars chasing this phantom of global warming won’t be as wasteful as our idiotic war in Iraq, but it is still real money, and it will have no effect at all.

There are real environmental problems caused by human activity: acid rain, acid mine drainage, heavy metal pollution from that drainage, deforestation, carcinogenic particulates in diesel exhaust, mercury pollution from power plants, PCB’s, the transportation and storage of nuclear waste, the contamination of drinking water supplies and the necessity of maintaining a reliable public infrastructure for such water supply. And of course there are the critical economic and political problems associated with our excessive dependence on imported petroleum. We should focus on those, and stop chasing the global warming phantom.

One final note: nuclear power plants generate no CO₂ in their normal mode of operation, so one would think that global warming believers would be pushing nuclear power as the cleaner alternative to coal-fired power plants. Yet, Gore, in his movie and in his book doesn’t even mention nuclear power. Cockburn, in his series of articles discusses that issue in more detail. In the late 1980’s, when I first started studying this issue, I spent a summer doing combustion

and fire research at the National Center for Scientific Research in Orleans, France. I was surprised to find so many otherwise intelligent scientists uncritically buying into the human caused global warming arguments.

But, of course, that was France, a nation that had already completed committed itself to nuclear power. Even here in the U. S., there are environmentalists who would normally be opposed to more nuclear power plants, but who are so taken in by the global warming hysteria, that they consider nuclear power as the lesser of two evils, and are leaning toward nuclear power as the solution to the global warming crisis. And if you believe that, I have some bridges in Brooklyn that I would like to sell you!

Dr. Martin Hertzberg is a combustion research scientist who worked on the prevention of fires and explosions in mines and other industries at the Bureau of Mines in Pittsburgh, PA. He also contributed to our understanding of the fundamental mechanism of combustion in gases and dusts. He currently teaches science and mathematics at various educational institutions, and occasionally consults as an expert on the causes of accidental fires and explosions. He served as a meteorologist in the US Navy and has been studying the global warming issue for the last twenty years.

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ATTACHMENT 5

16 January 2016

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Anthropogenic Global Warming Imbroglio : When in Trouble, Exploit Whole Planets :

The Fraud that Venus is a “*Sister Planet*” to Earth

The Fraud Promoted in Popular Culture : Venus Underwent a “*Runaway Greenhouse Effect*”

19 Pages

Anthropogenic Global Warming Imbroglia : When in Trouble, Exploit Whole Planets :

The Fraud that Venus is a “Sister Planet” to Earth

The Fraud Promoted in Popular Culture : Venus Underwent a “Runaway Greenhouse Effect”

In my erudite opinion, no object in the Solar System, other than perhaps Earth, is the subject of more agenda-driven lies and fraud than the Planet Venus.

<https://www.youtube.com/watch?v=AgZU5uvM5Ok>



In a recent news program, Cornell University graduate Bill Nye posed the following debate question:

“Do you agree that the planet Venus is warm because it has a lot of carbon dioxide in its atmosphere? And when I say warm, I mean warm enough to melt lead on its surface. Do you agree with that?”

In this very same debate, Nye had the audacity, the duplicity and inaccuracy to admonish his opponent, who was clearly incompetent on this point, by babbling: *“I think you’re throwing a red herring in there.”*

You cannot be a graduate of what was formerly one of the finest educational institutions in history, one that is world renowned for its participations and discoveries in the Space Sciences, and ask the beguiling question that Nye asked . . . it confirms a person that either has zero knowledge, zero integrity, or some combination of both.

If I had been in that debate I would have exposed Nye as the hoaxster. Climate bolsheviks like Nye have long beguiled the unsuspecting, non-esoterically initiated lay person with the fraud that the Planet Venus is a “sister” or a “twin” to Earth. The underlying agenda is the notion that carbon dioxide drives the climate of Solar System orbs, and that Venus is the most frightening example of that notion. This, and related rants are not merely misstatements by the climate bolsheviks; what follows is a discussion indicating blatant dishonesty and outright fraud.

We begin with a personal perspective on a key individual in this hoax; another individual connected to my alma mater.

In 1978 I completed Bachelor's degrees in Mathematics-CompScience and Physics-Geology at the State University of New York at Albany (SUNYA). I turned down an offer by SUNYA to go on to a Master's in solid state physics. The offer had been made by Dr. Hasram Bakru, then Director at the SUNYA Nuclear Accelerator Laboratory where I had been employed as the Chief Technical Consultant to the Accelerator Engineer, Mr. Art Habriel. Instead I moved to Ithaca, New York for a Master in Business Administration (MBA) at Cornell University. I was already familiar with Dr. Carl Sagan, a professor at Cornell's Space Sciences Department.



My familiarity included the many letters exchanged between my father Victor Sheridan and Sagan; primarily concerning cosmology. Instead of detailed, direct answers, the Sagan responses were condescending, sometimes unrelated, and arrogant; displaying annoyance rather than deference to the erudition of my father.

By June 1978 I was renting a house in Caroline, New York, close to the Cornell campus, from Dr. Jaraslav Langmier. Jerry, as his friends called him, was a Lead Scientist at a highly regarded Ithaca, New York company called Ithaco Space Systems. Jerry was thoroughly connected to the Ithaca community, including the folks who live in Cayuga Heights, New York; an area that is dominated by 7 and 8 figure real estate, most of which is owned by Cornell affiliated people.

At a Cayuga Heights party that I attended with Jerry, several were gathered when a handsome gentleman approached us wearing a sports jacket and turtleneck sweater. Upon proximity, Jerry blurted:

“Carl! So good to see you. But I must say, you seem to be on TV more than you’re in the lab!”

Such was part of the reputation Sagan had in the closed Ithaca/Cornell community. Later I attained greater insight into Sagan through a man who became a close personal friend: Dr. Thomas Gold. It was Gold that “bailed out” Sagan when the latter failed tenure at his prior employer: Harvard University. Gold hired Sagan in 1971 into the Cornell Space Sciences department, where the former had been its director for many esteemed and productive years (Please see Attachment 1 above).

My personal perspective on Sagan, for a long time, remained positive. Although I am not a showy type, that behavior has its place. In fact, to this day no other individual has made a greater contribution to popularizing science, astronomy and cosmology in particular, than Carl Sagan. But therein was the trap: He was indeed “on TV more than he was in the lab.” As such, the TV and movie roles that Sagan enjoyed were characteristically a presentation geared for so-called “popular culture” at-best, and at-worst an agenda driven dribble that catered to an alleged “consensus” (**sound familiar!?**), not the stoic, unglorified, apolitical, hard-won and sometimes boring truth.

In terms of the details, in terms of the excruciating labors that truly characterize genuine scientific advancement, Sagan was left behind. When that latter state-of-affairs was laid to bare, Sagan would characteristically resort to polemics and diversions at-best. In other instances he indulged, in the opinion of many, in outright falsification. Such is the case with Sagan's opinions and statements on subjects ranging from intellectual competitors such as Immanuel Velikovsky, to Earthly topics such as “global warming,” and most relevant to this attachment, Solar System orbs like Planet Venus.

The second subtitle of this attachment regarding popular culture is generous. Anyone erudite in these subjects understands that the notion of Venus undergoing a greenhouse effect, let-alone a “runaway greenhouse effect” is an impossibility. But before we educate a New York Attorney General, let us look, with the intellect of a kindergarten child, at a greenhouse:



As kindergarteners know, hot air rises. It is no surprise when greenhouse manufacturers offer temperature control, their primary mechanisms are vents located AT THE VERY TOP where the temperature reaches maximum, and control is most effective.

This simple reality is apparently beyond the intellect of James “death trains” Hansen, who ostensibly argues an opposite physicality during his popular culture rants about Venus.

In a recent video he claims:



“ Once the planet gets warmer and warmer then the oceans begin to evaporate, and water vapor is a very strong greenhouse gas, even more powerful than carbon dioxide. So you can get to a situation where it just; the oceans will begin to boil, and the planet becomes so hot that the ocean ends up in the atmosphere, and that happened to Venus. Ya know. That’s why Venus no longer has carbon in its surface. Its atmosphere is made up basically of carbon dioxide, because it had a runaway greenhouse effect.”

Other than his statement regarding the primacy of water vapor, the rest of Hansen’s Big Media rant is nonsense. In fact, given his intimacy with the NASA Pioneer probes to Venus, Hansen can be given no quarter. Carl Sagan, the original instigator of the “runaway greenhouse effect” farce, also has no excuse; the Pioneer data was in his possession, as was the data from the highly successful Soviet probe series called Venera.

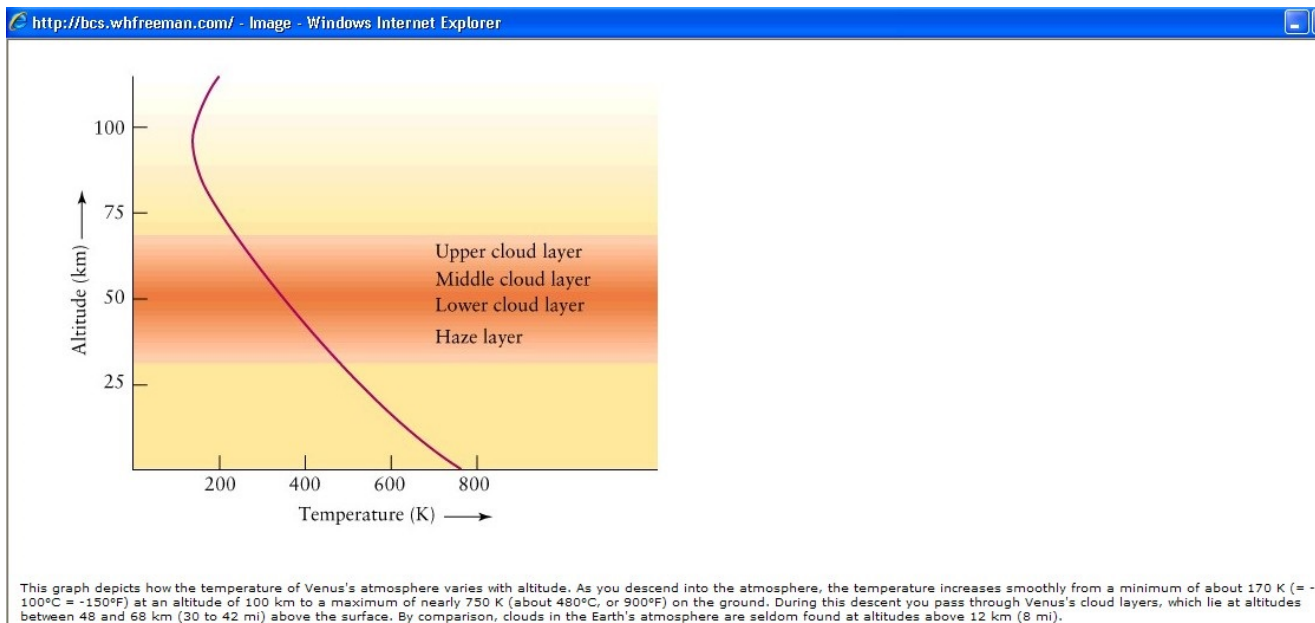
Nothing in either probe data set supports the pre-probe speculations of Hansen, Sagan and other climate bolsheviks that Venus is a “sister planet” or that Venus underwent a “runaway greenhouse effect.”

It is well known that both the American and Soviet data refuted these fairy tales. This refutation ranges from (1) the planetary albedo of Venus, (2) its atmospheric temperature gradient, and most importantly (3) the thermal energy imbalance of Venus. And its retrograde rotation demolishes any notion that Venus is a twin! The integrity of Sagan, Hansen, Nye and their AGW ilk?

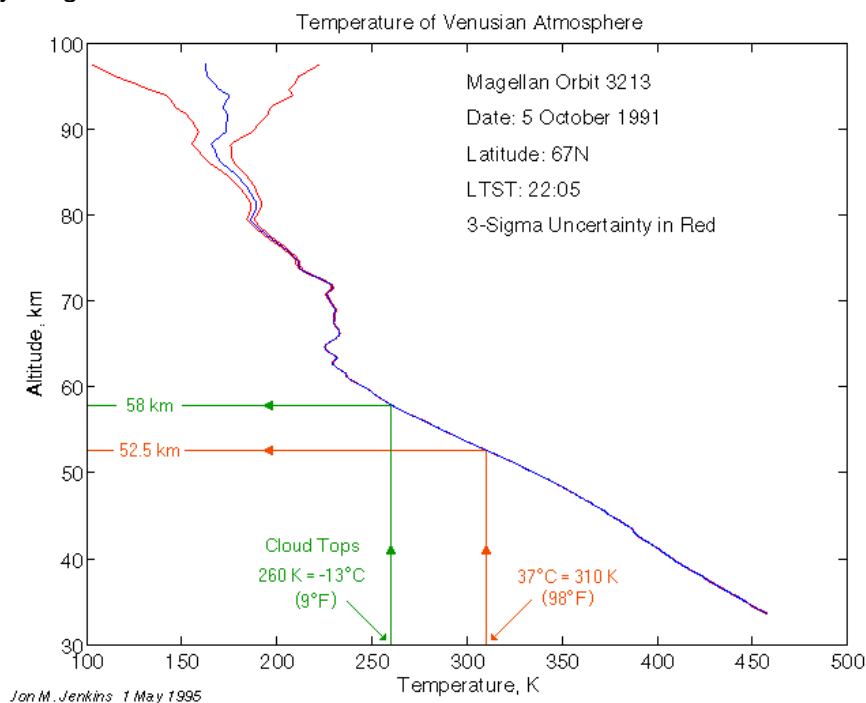
http://historicspacecraft.com/Probes_Venus.html#Pioneer-Venus

Remember the above picture of a greenhouse, where the highest temperatures are known by kindergarten students to be at the highest point, and conversely that the lowest are found at the floor/ground? Is that what the probe data says about Venus? Of course not . . .

What is ironic about our “multicultural education system” and its feel-goodery approach to hard science, is that (implicitly) it must instill cognitive dissonance. In a course by the W.H. Freeman Company, titled Astronomy Online (which I took), Module 11 discusses the planet Venus. As you might expect it promotes the popular culture fairy tale that its temperatures are due to a ‘runaway greenhouse effect.’ But in that very same module, the course offers the following, essentially accurate depiction of the atmospheric temperature gradient of Venus:



Here, this community college course accurately depicts what was obtained by numerous 1980s probes, and duplicated by Magellan in 1991:



Note Mr. Attorney General the Module 11 caption (first graph on Page 4 of 19 above):

“ The graph depicts how the temperature of Venus’s atmosphere varies with altitude. As you **descend** into the atmosphere, the temperature increases smoothly from a minimum of about 170K (= -100°C = -150°F) at an altitude of 100km to **a maximum** of nearly 750K (about 480°C or 900°F) **on the ground.** ”

On March 1, 1982 the Soviet Venera 13 probe survived for only 127 minutes because the temperature ‘on the ground’ of Venus was nearly 900°F! **A greenhouse turned upside down?!**

Although the details are beyond the scope of this attachment, in accept the notion that a greenhouse or a “runaway greenhouse effect” dominates the conditions and evolution of Venus you must simultaneously delete from science the Second Law of Thermodynamics. Herein lies cognitive dissonance, an intrinsic psychosis of climate bolshevism . . . but let us return to popular culture.

Right there, in those simple and widely accepted data charts, for all to see including attorneys general, is a blatant **evidentiary** refutation of the ‘runaway greenhouse effect’; the fairy tale instigated by Sagan, and promoted by James Hansen. The last time I checked Mr. Attorney General, your profession relies on evidence . . . not heresy, not arm-waving, not fear mongering; you rely on EVIDENCE!

Refutation Item (1) on Page 3 above lists the albedo of Venus. If you visit the NASA ‘Venus Fact Sheet’ website you find the following data (screenshot, first column depicts Venus, second is Earth):

Bond albedo	0.90	0.306
Visual geometric albedo	0.67	0.367
Visual magnitude V(1,0)	-4.40	-3.86
Solar irradiance (W/m ²)	2613.9	1367.6
Black-body temperature (K)	184.2	254.3

A calculation that non-multi-culturally educated kindergarteners can perform reveals that the total radiant solar energy absorbed by the Venusian atmosphere is 261 watts per square meter, whereas that absorbed by Earth’s is 949 W/m². That means that Earth’s atmosphere absorbs nearly FOUR TIMES the solar energy of that absorbed by Venus’ !

<http://nssdc.gsfc.nasa.gov/planetary/factsheet/venusfact.html>

Please keep in mind that 4X multiplier (which favors Earth) as you read the following. Refutation Item (3) on Page 3 above lists the thermal energy imbalance of Venus . . .

All of the temperature data regarding Venus, obtained from every probe format (descending and landing, Venusian orbital or remotely stationed) indicates the same hard fact:

The energy blaring FROM Venus dwarfs that received by it from the Sun.

This well-known fact, one that Sagan, Hansen, Nye and the climate bolsheviks are fully aware of, is a condition referred to by astronomers as “thermal imbalance.” This is just further evidentiary proof that the surface temperatures depicted in the graphs above do **NOT** result from a ‘runaway greenhouse effect.’

We should now introduce you to another well-known fact: What other planets have this condition of being in a state thermal energy imbalance? And given that Earth is NOT one of them, what does that fact portend for the nonsensical, popular culture fairy tale that Venus and Earth are twins, and therefore had the same parents, the same birth place, and at the same time?

Do you see that famous “Red Spot” on the surface of Jupiter?



Also at that NASA ‘Venus Fact Sheet’ website you find the following data (screenshot):

Venus Observational Parameters

Discoverer: Unknown
Discovery Date: Prehistoric



The NASA notion that the discovery of Venus occurred prior to humans recording their Earthly history is not a mistake, **it’s a bold-faced lie.**

The fact that ancient peoples provide excruciating details of the emergence of Venus is obscured in esoteric ancient texts, and not limited to the many plagiarisms contained in the Hebrew Bible. But the records found in these texts do not comport with the “accepted dogmas” promoted by modern popular cultural, especially the fund-raising agenda of TV and movie star Dr. Carl Sagan. Hence the true historical records are censored.

The alleged controversy surrounding this esoteric discussion includes a debate that took place in 1974, at the American Association for the Advancement of Science between Sagan and Dr. Immanuel Velikovsky.

In my research I have found many people that are highly qualified to present the truth regarding these Venus topics. But none connect all of the topics more astutely, especially in regard to the frauds listed in this attachment, than Mr. Charles Ginenthal.



Attached below is a chapter from the Ginenthal book, Carl Sagan and Immanuel Velikovsky, entitled:

“SAGAN’S EIGHTH PROBLEM : THE TEMPERATURE OF VENUS.”

Here and elsewhere you will find detailed discussion of the many connected issues presented by the above cover letter and this attachment in-particular. As I read Ginenthal’s book, I became increasingly repulsed by the documented behavior and statements of Dr. Sagan. In fact, I now view him with measured disdain.

To assist your knowledge of these subjects, and that of other recipients, I uploaded a presentation at a cosmology conference in 1996 by Mr. Ginenthal, which was dedicated to the excruciating details of the planet Venus:

<https://vimeo.com/149979095>

“Charles Ginenthal on the Realities of Planet VENUS”

A troubling reality presented by Ginenthal is the increasingly acceptable practice (in so-called science) of censoring countervailing evidence, and the scientists that obtain such.

He rails against the pseudo-rebuttal routine, which is deployed against countervailing evidence, which takes the form of manufacturing “*ad hoc hypotheses after ad hoc hypotheses after ad hoc hypotheses.*” Note that these topics were being discussed decades PRIOR to ClimateGate.



Mr. Attorney General, you’ll note that Ginenthal focuses his video and book discussions on EVIDENCE.

Summary

Venus is not a twin or sister planet to Earth.

Venus did NOT undergo a ‘runaway greenhouse effect.’

The atmosphere of Venus has a temperature gradient (versus altitude) that is the EXACT OPPOSITE of the standard, well-known conditions that characterize a greenhouse.

Venus does not support the hype that “*it’s fate will be ours if we do not limit the amount of carbon dioxide we humans are emitting into our atmosphere.*”

Venus is so young that it is referred to by those that have studied it as a “new born babe.”

Venus exhibits a thermal imbalance very similar to that of Planet Jupiter.

If you deleted all of the carbon dioxide from the atmosphere of Venus its temperature would be minimally effect IF AT ALL.

If we turned off the Sun, the temperature of Venus would remain essentially unchanged for at least a billion years.

The Velikovskian theory of Venus is more probable and vastly more evidentiary than that of Dr. Carl Sagan.

**Carl Sagan
and
Immanuel
Velikovsky**

by

Charles Ginenthal

SAGAN'S EIGHTH PROBLEM

THE TEMPERATURE OF VENUS

THE GREENHOUSE EFFECT

Sagan's entire argument respecting the temperature of Venus is that it is heated by a runaway greenhouse effect. He states that, "We now know from ground based radio observations and from the remarkably successful direct entry and landing probes of the Soviet Union that the surface temperature of Venus is within a few degrees of 750 degrees K...The surface atmospheric pressure is about ninety times that of the surface of the Earth, and is comprised primarily of carbon dioxide. This large abundance of carbon dioxide, plus the small quantities of water vapor which have been detected on Venus, are adequate to heat the surface to the observed temperature via the greenhouse effect." (1) Therefore, according to Sagan, Venus' heat is derived from the Sun from an atmospheric phenomenon. Velikovsky's thesis is that Venus is a new planet in the early cool down state and that its heat is derived from its hot core which is producing the high surface temperature.

A greenhouse requires four elements to produce heat above average from sunlight. One of these elements is a glass-enclosed structure through which light can pass and which will stop the heated air inside from escaping to mix with the surrounding atmosphere and dissipating. The second requirement for the process is plenty of light entering the glass-enclosed structure which is converted from short wave radiation to long wave radiation. The other two requirements are water and carbon dioxide in sufficient quantities to trap and hold the long wave radiation so that it does not radiate away quickly. Water and carbon dioxide do this work extremely well. But can sunlight in a deep, heavy carbon dioxide atmosphere with practically no water raise the temperature of that atmosphere to about 900 degrees Fahrenheit, which is a temperature that will melt lead?

VENUS' WATER AGE

Venus certainly possesses sufficient carbon dioxide. But what about the quantity of water? Andrew Young, cited earlier, and Louise Young have this to say about water in Venus' atmosphere; "...studies at radio wavelengths have established once again that there is no more than 0.1 or 0.2 percent water vapor in the lower atmosphere, and the true value is probably close to 0.01 [1/100 of a] percent. The cloud tops are drier still." (2) Therefore, the requirement of sufficient water vapor to do the job is not established.

This raises an interesting question. If Venus went through the same early evolution as the Earth billions of years ago, it would have over time out-gassed an ocean of water at least comparable to that of the Earth. Young and Young tell us that,

"If one assumes that Venus once had as much water as the Earth has now, it is necessary to explain how all but one part per million of it was lost. There is a known mechanism by which a planet with abundant water could lose a large portion of it: Water vapor in the upper atmosphere could be dissociated by ultraviolet radiation and the hydrogen could be lost to space, either by thermal escape or through the influence of the solar wind. That effect, however, could not produce an atmosphere so thoroughly desiccated as that of Venus. Of the water Venus has today, very little reaches the upper atmosphere and therefore, it is not dissociated; at the present rate Venus would not have lost a significant amount [of water] in the history of the solar system." (3)

If we accept the present gradualist assumption that the Earth and Venus had similar early histories, both planets would early have had atmospheres and water. The presently accepted notion for the development of oceans is the "outgassing hypothesis" presented by W.W. Rubey in 1951. The hypothesis suggests that gases expelled by volcanoes and hot springs contain steam [water], carbon dioxide, nitrogen and carbon monoxide. This process, it is believed, can explain the atmospheric constituents of the Earth. Thus, the seas of Venus would take at least as long to form as those of the Earth. However, this outgassing process continues all throughout the 4.6 billion year history of planets so that the depth of the oceans steadily increases over the aeons. If this is so, even if Venus had lost its first atmosphere and oceans say 3 or 4 billion years ago, (after the first atmosphere and water of the planet was removed by the solar wind and a new atmosphere of carbon dioxide was baked out of the surface rock) then outgassing during the subsequent 3 to 4 billions years would have produced a new ocean of smaller depth. Protected by the new atmosphere, this ocean would not, nor could not have escaped from the planet.

William K. Hartmann in *Moon and Planets*, 2 ed. (Belmont CA 1983), pages 430-431, informs us that on Venus, "The H₂O is too heavy to escape thermally in the lifetime of the solar system. Thermal escape of H [hydrogen], produced by photodissociation of the H₂O was thought to have caused the loss of H₂O from Venus. However, Pioneer discovered the 285-K exosphere temperature, and calculations show that the H escape time from such an exosphere is 20 Gy! [20 billion years] So, how could H and hence, H₂O have been depleted? If the exosphere had once been heated to 1,000 K or so, the H escape time could be brought down to a tiny fraction of the age of the solar system. In any case, Pioneer scientist (Stewart A. and others, 1979, "Ultraviolet Spectroscopy of Venus: Initial Results from the Pioneer Venus Orbiter", *Science*, Vol. 203, p. 777) concluded, "If Venus ever possessed a large amount of water, it cannot have lost it by escape mechanisms known to be operating now".

Lawrence Colin in the book *The Planets*, (N.Y. 1985) tells us, "Overwhelming evidence suggests that in its past Venus had much more water, perhaps as much as the Earth today -- a whole ocean". (page 282) (emphasis added)

Kelly J. Beatty in an article titled "Venus the Mystery Continues", *Sky and Telescope*, Vol. 63, (1982), p. 134, asks,

"Where has all of Venus' water gone? Theorists have asked this question for years. It doesn't make sense to them that a planet so like the Earth in size and distance from the Sun should have 10,000 to 100,000 times less water. After all, the pair have comparable amounts of carbon dioxide and nitrogen, so the water was probably there at the outset, but has somehow disappeared over geologic time."

Thus, even when we accept the established views of geophysicists, we face a contradiction. Based on the established view, Venus should have enormous amounts of water vapor in its atmosphere, but this is not the case. Why?

The evidence clearly implies that whatever water Venus did possess was burned off in its early history when it was a stupendously hot, brilliant comet. Thus, its lack of water is in full harmony with Velikovsky's thesis.

If, as Velikovsky claims, Venus is a new planet, then it has not had time to outgas sufficient new water vapor into the atmosphere and therefore, it should have very little or practically none, which is the case. The amount of water vapor in Venus' atmosphere contradicts the view that Venus is an ancient planet. If the amount of water is one one-hundredth of one percent as Young and Young inform us [or even less], then Venus could be no older than 10,000 to 20,000 years.

DOES SUNLIGHT REACH VENUS' SURFACE?

The second requirement of the greenhouse is sufficient light to heat up the atmosphere. Sagan states, "Venera 9 and 10 missions...obtained clear photographs, in sunlight of surface rocks. Velikovsky is thus, certainly mistaken when he says (page ix) "light does not penetrate the cloud cover..." (4)

Lewis M. Greenberg, however, has this to say, "When four Venus probes plunged toward the planet's surface -- two in daylight and two in darkness (according to *Popular Science*, April 1, 1979, page 67).

"One instrument carried aboard each probe was a nephelometer designed to detect clouds by monitoring variations in light. Within each nephelometer was a sensitive radiometer that reacted to even small changes in outside light. Those radiometers showed only gloom around the two probes dropping through darkness -- until the temperature sensors failed." (emphasis added)

"At almost exactly that instant, the radiometers detected a faint glow in the atmosphere. The glow grew brighter and brighter" as the space probes left the cloud cover above them. (5)

If the clouds were fairly dark, then the light that was observed to get brighter and brighter must have been coming from the surface of Venus and not from the Sun. As one moves nearer to a source of light, the light becomes brighter, thus the light that was observed could not have been sunlight. It is also quite clear that the clouds trap, reflect and occlude most of the sunlight that enters Venus' atmosphere. Sagan, nevertheless, argues that the light observed could only be sunlight that allowed Venera 9 and 10 to take clear pictures. But did the Venera 9 and 10 probes carry flood lights? Professor Greenberg informs us that,

"Soviet scientists recently disclosed new information about Venus obtained from the Venera 9 and 10 landing of October 1975. The findings were presented at a space research meeting (COSPAR) in Philadelphia. V.A. Avduesky, deputy director of the Soviet Space Flight Control Center, announced that pictures of Venus' surface by Venera 9 revealed a rock-strewn terrain which cast distinctive and unanticipated shadows.

"As reported in the *Philadelphia Inquirer* of June 14, 1976, "The atmosphere of the surface [of Venus] was much brighter than scientists had expected. The photographs showed very dark shadows even when flood lights were turned on." (emphasis added)

"According to Avduesky, there should not be any shadows because sunlight was diffused by the [15 kilometer thick] cloud cover. He and M.Y. Marov of the Institute of Applied Mathematics of the Soviet Academy of Sciences, said that indicated a direct light source on the surface, but they could not guess what that was." (emphasis added)

"In reporting on the same meeting, *Science News*, (Vol. 109, June 19, 1976, p. 388) noted that, "The Venus clouds turn out to be more tenuous than anyone had thought...more like a haze than heavy clouds. As a result, the surface illumination is brighter than anyone expected and photography is much easier there. With the Sun at a 30 degree angle from the zenith, the light flux at the surface is about 100 watts per square meter, an illuminance of about 14,000 lux." M.V. Keldysh, a former president of the USSR Academy of Sciences, observed that "this value corresponds to the illuminance at the terrestrial mean latitude in the daytime with overcast clouds.

"Although it discussed the surface light on Venus in some detail, *Science News* significantly refrained from explicitly ascribing the source of the light to the Sun. Thus, the surface illumination of Venus still remains an inexplicable puzzle to conventional thought for it evidently cannot be attributed to solar light..."

"Thus, the data so far retrieved from the latest Soviet space probes go a long way towards confirming Velikovsky's conclusions about the planet Venus. At the same time, this new information is a telling blow to Carl Sagan's claim

[SCV, p. 82 BB, p. 117]...that "Venera 9 and 10 missions...obtained clear photographs in sunlight [sic] of surface rock." So it is clearly seen that the light on Venus' [surface] is not sunlight." (6)

Only a small amount of hazy sunlight reaches the surface of Venus, the rest is produced by some sources in Venus' atmosphere near or at the surface. This accords well with Velikovsky's hypothesis that there are chemical fires on Venus.

A REAL GREENHOUSE

So far, the amount of water needed to trap sunlight is not established and sunlight of sufficient quantity is also greatly in question. However, the greenhouse model for Venus lacks one of the most important properties. Clark R. Chapman in his book *The Inner Planets* explains what is basically wrong with the thinking of meteorologists regarding the greenhouse effect.

"It was recently pointed out to embarrassed meteorologists who have debated the relevance of their greenhouse calculations that this effect may not be important for greenhouses. Outside ground warmed by the Sun heats adjacent air, which then floats upward to where the barometric pressure is less. The air parcel expands, cools and settles into equilibrium. Meanwhile, at the ground, the warmed air is replaced by cooler parcels from above. This process...warms upper regions and keeps the air near the ground from getting too hot. Air on Earth begins to convect whenever the temperature begins to drop with altitude more quickly than about 6 1/2 degrees C per kilometers [of altitude]. So except in an inversion, when the upper air is relatively warm [er than the surface] convection maintains the 6 1/2 degrees C -- per kilometer profile, which is why mountain tops are cool. The reason it is warmer inside than outside a greenhouse is mainly that the [glass] roof keeps the warmed up air inside from floating away by convection...There is no lid on Venus and the dense carbon dioxide is free to convect." (7)

The super hot air of Venus, therefore, must rise and carry away the surface heat of the planet to the upper atmosphere where there is no covering. There the heat will radiate back to space. This upward motion or convection of gas by heat will allow it to pass right through a cloud. Hence, Venus must convect and radiate heat into space from its surface long before the surface reaches anything like 750 degrees K. In order to achieve a relatively high surface temperature, Venus requires a cover encapsulating the entire planet to keep the hot air at the surface from mixing with the freezing cold air of the upper atmosphere. There is no such mechanism that can halt the mixing and convection of the hot surface air with the cold upper atmosphere. This is an immense problem for the greenhouse effect of Venus.

THE SECOND LAW OF THERMODYNAMICS

What is most unusual is that Sagan has it just the opposite way around. He has the clouds of the atmosphere which are cooler convecting downward to the hotter surface to heat it. A basic college physics textbook, *Physical Science* by Verne H. Booth and Mortimer L. Bloom defines the "Second Law of Thermodynamics" thus, "Heat does not of its own accord flow from cold regions to hot regions". (8) Velikovsky long ago pointed out that the heat gradient of Venus shows that heat is flowing from the surface of the planet to the clouds. Sagan's hypothesis has the clouds absorbing most of the Sun's light. It is there in the clouds where the short wave radiation is converted to long wave radiation. The clouds have to be hotter than the surface in order for the air to move downward. Richard A. Kerr, the editor of *Science* tells us that, "Perhaps the most perplexing of the atmospheric problems lingering after Pioneer is the 460 degrees C temperature at the bottom of the [Venus] atmosphere. The much ballyhooed greenhouse effect of Venus' carbon dioxide atmosphere can account for only part of the heating, and evidence for other heating mechanisms is now in a turmoil. The question concerns how the Sun's energy behaves once it penetrates the highest clouds. When Pioneer Venus' probes looked at the atmosphere, each one found more energy being radiated up from the lower atmosphere than enters it as sunlight." (9) (emphasis added) How can cooler clouds convect to a hotter surface? Velikovsky knew this and showed long ago that Sagan's greenhouse theory violated the second law of thermodynamics. R.E. Newell states, "I have previously raised objections to the greenhouse theory though most have been rejected for publication. But recently even the greenhouse advocates have begun to note certain problems. Suomi et al [in the *Journal of Geophysical Research*, Vol. 85 (1980), pp. 8200-8213] notes that most of the visible radiation is absorbed in the upper atmosphere of Venus so that the heat source [the cloud cover] is at a low temperature while the heat sink [the surface] is at a high temperature, in apparent violation of the second law of thermodynamics." (10)

Thus, why is the surface hotter than the clouds? And how does one explain this phenomenon? Sagan explains it this way in the *Cosmic Connection*. "I had earlier proposed a specific theory in terms of the greenhouse effect to explain how the surface of Venus could be at such a temperature. But my conclusion against cold surface models did not depend upon the validity of the greenhouse explanation: it was just that a hot surface explained the data and a cold surface did not. (11) (emphasis added) Sagan is unable to explain this phenomenon and Velikovsky also pointed out that a few years ago Sagan wrote, "An explanation of how the surface (of Venus) stays as hot as it does is one of the key unsolved problems in understanding the Venus environment." (12)

John S. Lewis' "The Atmosphere, Clouds and Surface of Venus," in *The Solar System and its Strange Objects*, ed. Brian J. Skinner, (Palo Alto CA 1981), page 93 tells us that, "It is not yet known whether the familiar greenhouse effect can provide such high [Venusian] surface temperatures in a rigorously self-consistent model." If the model was truly correct it would do just that.

Therefore, how does one somehow get cooler air from the clouds down to heat the hotter surface? The answer is that the Hadley Cell does it, or so we are told. The Hadley Cell mechanism works in the following way. Sunlight heats the clouds which move away from the equatorial regions of Venus to the polar regions. Thus, in the polar regions the hot air moves down to the surface and the air there spreads around the planet. So far so good. However, there is one little problem with this scenario. In order for the Hadley Cell mechanism to work, the polar surface regions must be cooler than both the equatorial surface regions and the clouds. However, Shane Mage has presented reports of the surface temperature that proved "Above the poles [of Venus] temperatures are now shown to be 40 degrees Fahrenheit higher than at the equator". (13) According to Billy P. Glass in *Introduction to Planetary Geology*, (N.Y. 1982), page 312, "The warmest part of the atmosphere (of Venus) visible to the Pioneer Venus orbiter is the North Polar region". Therefore, hot clouds from the equator will not travel to the hotter poles unless one wishes again to violate the second law of thermodynamics. The motion of the Hadley Cell must be reversed and the hot air at the poles must travel toward the equator where the surface is also hotter than the clouds. This catch-22 situation makes it extremely improbable that Venus is heated by a greenhouse effect.

V.A. FIRSOFF'S OBJECTIONS

Let us examine several other interesting problems with Sagan's greenhouse theory. V.A. Firsoff, the British astronomer, raised the following objection to Sagan's hypothesis:

"Increasing the mass of the atmosphere (Venus has 91 Earth atmospheres) may intensify the greenhouse effect, but it must also reduce the proportion of solar energy reaching the surface, while the total of available energy must be distributed over a larger mass and volume. Indeed, if the atmosphere of Venus amounts to 75 air masses...the amount of solar energy per unit mass of this atmosphere will be about 0.01 of that available to the Earth. Such an atmosphere would be strictly comparable to our seas, and remain stone cold. Unless the internal heat of Venus were able to keep it at a temperature corresponding to the brightness temperatures [of Venus] microwave emission." (14)

According to Firsoff, the greenhouse effect will not heat Venus very much hence, its heat must come from below the surface.

Firsoff, in his book *The Interior Planets*, expands on this.

THE RUNAWAY MECHANISM

Shane Mage has also raised some very interesting problems regarding Sagan's greenhouse theory. He writes,

"The crucial part of this (greenhouse) theory is expressed by the term *runaway*: the massive envelope of Venus would have been formed when, after Venus lost its primordial atmosphere, thus exposing its surface to the intense heat of the young Sun; solar radiation boiled the CO₂ out of surface carbide rocks, increasing the massiveness and hence, radiation trapping capacity of the envelope until all available CO₂ was released and temperature-equilibrium attained.

"It is this 'runaway' mechanism that has now been invalidated by the argon-36 discovery. According to Pioneer experimenter Dr. Michael McElroy (in the *Washington Post*, Dec. 11, 1979, p. A6), "The atmosphere of Venus contains as much argon-36 as you would expect from a planet's original atmosphere". But if Venus never lost its primordial atmosphere, the 'runaway greenhouse' would never have had the chance to get started because the surface of Venus would always have remained shielded from direct solar radiation." (17)

It follows that the Sun could never have heated the unshielded surface of Venus and CO₂ could never have been liberated to create the greenhouse effect.

VENUS' NEON AND ARGON AGE

Anthony Feldman in his book *Space*, (N.Y. 1980), page 85, informs us in the same general context that,

"A recent discovery about the composition of the Venusian atmosphere has cast doubt on the popular theory accounting for the formation of the solar system. The theory suggests that the Sun and planets formed at the same time.

"The innermost planets -- Mercury, Venus, Earth and Mars -- are thought to be small and rocky because the Sun drew their lighter constituents away. If this idea is correct, the closer a planet is to the Sun, the less likely there is to be lighter gases in the atmosphere. But in the atmosphere of Venus, the opposite appears to be true. In particular, there seems to be 500 times as much argon gas and 2,700 times as much neon as in the atmosphere of Earth.

"The greenhouse effect cannot be magnified *ad lib*. Doubling the thickness of the greenhouse glass may enhance its thermal insulation, so raising its temperature, but it will also cut down the transmitted sunshine, so reducing its heat. In the end, the procedure becomes self-defeating: the loss of sunshine is no longer compensated by increasing insulation, and the temperature of the greenhouse begins to drop. The sea is a perfect "greenhouse" of this kind -- none of the obscure heat from the bottom can escape to space. But it is not boiling hot, in fact, it is not much above freezing point. Sagan's deep atmosphere would behave in exactly the same way...

"For all the seeming refinements of mathematical treatment, the basic reasoning is very simple. In a convective atmosphere, the temperature decreases upward at a constant rate (adiabatic lapse) so that however cold such an atmosphere may be at its upper boundary, any arbitrarily high temperature can be reached at its base if the atmosphere is made sufficiently deep. If though the atmosphere is heated by the Sun from above, this reasoning is naive; a deep atmosphere will cease to be convective (adiabatic) at a certain level below the tropopause and become isothermal -- the temperature will stop rising.

"An adiabatic atmosphere of a mass envisaged by Sagan is possible only if it is heated from below. In other words, the surface of Venus would have to be kept at a high temperature by internal sources." (15)

According to Glass, in *Introduction to Planetary Geology*, (N.Y. 1982), page 311, "The pressure at the surface (of Venus) is approximately 90 bars, which is equivalent to the pressure in the ocean on Earth at a depth of nearly 1 km below sea level". That is a depth in the ocean of 3,000 feet. Even at the equator at a depth of 3,000 feet, the ocean is only about 40 degrees Fahrenheit or 8 degrees above freezing. Firsoff claims that Venus totally covered by an ocean of gas equivalent to a shallow ocean would not get as hot as Sagan's greenhouse model requires.

Ralph E. Juergens who first cited this material added that, "An atmosphere of a mass even greater than that 'envisaged by Sagan' has, of course, been shown to exist on Venus. Probes have also established it to be an adiabatic atmosphere, with temperatures decreasing upward from the surface at a fairly constant rate..." (16) Venus, like the ocean, is supposedly heated by sunlight from above, but the ocean is warmer at the top and cooler toward the bottom; and at a certain depth downward, the temperature is almost uniformly cool. The same should occur on Venus. Instead, Venus' heat falls steadily from the bottom to the top in the opposite direction as the ocean's thermal gradient.

"So far scientists cannot explain why these gases were not drawn away from the planet during the birth of the solar system." The author then draws this startling conclusion, "Further discoveries about Venus may soon force a revision of the most basic ideas about how the Sun and the planets were formed."

ASHEN LIGHT

Mage adds one final telling blow to Sagan's greenhouse hypothesis saying,

"The most striking disclosure by Professor Donahue (Dr. Thomas Donahue, University of Michigan physicist who designed the experiments performed in the Venusian atmosphere) however, is his statement that, 'as we approach the surface of the planet from a distance about ten miles above the night side, a faint glow was detected that got brighter and brighter and brighter until the probes touched down'. That glow, I think, is almost literally the surface and some of the gases in the atmosphere on fire. Chemical reactions that produce light, I think, are occurring in that high temperature environment where many reactive gases were found out by mass spectrometer."

"This picture of a 'chemical soup' containing 'many reactive gases' and 'almost literally on fire' supports the thesis of an extremely young Venus. If its atmosphere were many millions of years old, (as Sagan contends) reactive gases would have been consumed aeons ago. Only as a newborn planet could Venus reasonably be expected to have an atmosphere still on fire." (18)

THERMAL BALANCE

This brings us to Sagan's criticism of Velikovsky's views of the temperature of Venus. He states, "...Velikovsky is trying to say here that his Venus...is giving off more heat than it receives from the Sun, and that the observed temperature on both the day and night sides are due mostly to the 'candescence' of Venus than to the radiation it now receives from the Sun. But this is a serious error. The bolometric albedo (the fraction on sunlight reflected by an object at all wavelengths) of Venus is about 0.73, entirely consistent with the observed infrared temperature of the clouds of Venus of about 240 degrees K; that is to say, the clouds of Venus are precisely at the temperature expected on the basis of the amount of sunlight that is absorbed there." (20) Sagan claims that Venus is in thermal balance; the amount of solar radiation absorbed by Venus is equal to the amount of energy emitted by Venus. If Venus had additional heat from its core, then obviously it would emit more heat than it receives from the Sun. Venus would have a thermal imbalance if Velikovsky's theory for its heat production is correct.

Professor Greenberg, however, informs us that,

"...we have Sagan...clearly on the record against Velikovsky's thermal prediction for the planet Venus" his "position has been adamant and unyielding. It is, therefore, gratifying to discover that there is now tentative evidence indicating that Venus does indeed radiate some 15 percent more energy than it receives from the Sun. This most recent finding was reported in *New Scientist*, 13th November, 1980, under the title "The Mystery of Venus' Internal Heat" (p. 437). It is reprinted...with permission of *New Scientist*...working with data from the Pioneer Venus orbiter, F.W. Taylor, ...found that Venus radiates 15 percent more energy than it receives [from the Sun]. To keep the surface temperature constant, Venus must be producing this extra heat from within'.

"All the inner planets, including the Earth, produce internal heat from radioactive elements in their rocks. But Taylor's observations of Venus would mean the planet is producing almost 10,000 times more heat than the Earth -- it is inconceivable, according to present theories of planetary formation, that Venus should have thousands of times more radioactive elements than the Earth does. Taylor's suggestion is met with skepticism -- not to say sheer disbelief -- from other planetary scientists." (21)

Reginald Newell informs us that, "The presence of an internal heat source would naturally lead to an energy imbalance at the top of the [Venus] atmosphere and this has, in fact, been observed (albeit there are certain experimental uncertainties) with about 10 w/M2 more energy leaving the planet than arrives from the Sun". (22) If the greenhouse theory should be found inadequate, then this imbalance may be far greater than 15 percent.

Sagan briefly mentions Jupiter which is in thermal imbalance, that is, it emits more heat than it receives from the Sun. He states, "In 1949, Kuiper...suggested that Jupiter gives off more heat than it receives, and subsequent observations have proved him right. But of Kuiper's suggestion, *Worlds in Collision* breathes not a word." (23) What Sagan breathes not a word about is how the thermal imbalance resembles that of Venus. Ralph E. Juergens informs us that in *Nature*, for September 6, 1974, "When Pioneer 10 scanned the dark side of Jupiter in 1973, its sensors found that infrared emission from that region, as in the case with Venus, is as intense as that from the Jovian sunlight hemisphere. This was hailed as confirmation of earlier indications that Jupiter gives off more heat than it receives from the Sun." (24) But what is ever worse for Sagan is the fact that Shane Mage pointed out that on Venus the "equatorial night side temperatures (is shown to be) 4 degrees Fahrenheit above the day side level". (25) Thus, one of Venus' hemispheres during the 58 long day period when it is in the darkness of night time emits 4 degrees Fahrenheit more temperature than the opposite hemisphere that is in daylight.

THERMAL BALANCE DENIED

If Venus' atmosphere and surface are in thermal balance, the atmosphere should not rise and expands and then fall and contract periodically like a pulsating star. However, in *New Scientist*, Vol. 58 (1973), page 72, we find the following:

"Astronomers are well enough acquainted with periodic variations in the light of stars, but a variable planet is a different matter. However, the planet Venus shows regular changes in the spectrum of its atmosphere according to four scientists at Caltech's Jet Propulsion Laboratory. The strength of carbon dioxide lines in the Venusian atmosphere swing through a four day cycle [in the *Astrophysical Journal*, Vol. 181, p. L5].

"Over 20 years ago, Gerard Kuiper noted day-to-day fluctuations in the infrared spectrum of Venus, but no one has yet got to the bottom of the basic cause of these changes. In order to study the oscillations, A.T., L.G., and J.W. Young and J.T. Gerstahl obtained spectra nightly during the autumn of last year [1972]. Their data on the carbon dioxide line show an unmistakable oscillation.

"The observed variation is not exactly periodic, but more akin to a relaxation oscillation in which the amplitude builds up on successive cycles and then suddenly collapses. In order to produce the observed changes, the cloud deck of Venus must be moving up and down by as much as one kilometer, simultaneously over the entire surface of the planet. Such a large atmosphere oscillation requires a high input of mechanical energy. This condition is difficult to account for in the case of a slowly rotating planet heated uniformly by the Sun's rays [greenhouse effect]. Therefore, the cycle variations point to some unexplained deep-seated property of the atmospheric dynamics."

Gases expand when heated and contract when cooled. It appears that the surface heat is building up in the lower atmosphere of Venus causing it to expand and heat the layers above it which also expand until the upper layers dissipate the excess heat and the atmosphere then contracts to repeat the process. A physicist, Leopold Strabismus (his humorous pseudonym meaning cross-eyed) at the author's request undertook to calculate the amount of energy necessary to raise the Venus atmosphere 1 kilometer over the entire planet. Basically, the entire atmosphere must be raised to accomplish this oscillation. One cannot assume that only a small part of the upper atmosphere is raised because there would have to exist a layer in the atmosphere that is hotter than the layers beneath it. The hottest layer of gas is found at the surface; therefore, the point of lift occurs from that point upward. The temperature of Venus falls steadily from the surface.

What Strabismus found was that based on "equations of state in thermodynamics" he could obtain the "measured sea level atmospheric pressure of Earth [as it] coincides with results from the kinetic theory of gases". Dr. Strabismus has taken this demonstration one step further by showing that "the total [gravitational] weight of

Earth's atmosphere, divided by Earth's surface area yields the same result." This same set of equations which derive the Earth's atmosphere pressure when applied to the atmosphere of Venus should derive the pressure of Venus' atmosphere at its surface.

Strabismus states, "Specific weight versus altitude figures were obtained for Venus, via NASA. [But when the equation was] applied to these figures [it] led to a COMPUTED surface pressure for Venus well in excess of the MEASURER surface pressure of 90 bars." The surface pressure should be greater based on this equation of state analysis; therefore, some force must be pushing upward against the weight of the atmosphere. That is, even without raising the atmosphere one inch, a force is clearly lifting up the atmosphere. This is in total defiance to what is required of an atmosphere in thermal balance.

However when "This pressure [is] driven through an atmospheric shell of one kilometer, thickness at the topopause of Venus, [it] yields an energy of 2.96E+23 foot pounds, each time the cloud layer is raised". The energy is over 29 trillion, trillion foot pounds. The raising of the Venus atmosphere occurs about 80 times a year. Thus, the 29 trillion, trillion must be multiplied by 80, yielding 2.32 trillion quadrillion foot pounds of energy per year. The Sun's radiation produces nothing like that amount of energy in the Venus atmosphere, but a hot volcanic surface can provide the necessary energy.

An atmosphere in thermal balance does not behave as described above. Of this oscillation Sagan breathes not a word.

LIES, DAMNED LIES AND SAGAN'S CHART

This brings us to Sagan's chart which he claims definitely proves that Venus is not cooling down as Velikovsky claims. Sagan had stated earlier that "The steps in reasoned argument must be set out for all to see". And "Experiments must be reproducible ". (emphasis added)

Seven years prior to Sagan's first presentation of his criticism, Velikovsky wrote a paper titled "Venus, a Youthful Planet" which was published in the April 1967 issue of *Yale Scientific Magazine*. Velikovsky outlined the experiment by which he claimed that his hypothesis could be proved correct or incorrect. In the article he stated,

"I maintain that Venus' temperature is slowly, but unmistakably decreasing. A measurement from the ground surface of Venus cannot be performed with methods now available with accuracy sufficient to detect the phenomenon in a matter of a few years; but, with a bolometer or thermocouple, a drop, even if in only fractions of a degree, could be detected from the cloud surface of Venus; such measurements need to be repeated at each successive synodical period of Venus of which there are five in eight terrestrial years. It is understood that only figures obtained by one and the same observatory and from the same surface segments, preferably all taken during a quiet period of

the Sun, can be profitably compared. On this new test, I am once more prepared to rest my case." (26) (emphasis added)

Sagan then informs us that "An unbiased presentation of a microwave brightness temperature of Venus...are exhibited in Figure 1 below". (27) If indeed Sagan wishes to offer an "honest experiment" respecting this test, one would expect Sagan to have made sure that his chart does not violate any of the criteria which Velikovsky outlined as the basis for testing the cooling of Venus. In going over the chart, I find that Sagan has, in fact, departed from employing any of these criteria whatsoever mentioned by Velikovsky. First of all, the spacing of the measurements show by their random places along the time line that these measurements were not "repeated at each successive synodical period of Venus". If these measurements were taken only at "successive synodical periods" they would be uniformly spaced. They are not.

Secondly, if the measurements were taken, as Velikovsky's carefully outlined experiment requires, there would be 5 measurements every eight years; but Sagan's chart has the first six measurements in a 3 year period, the next seven measurements in a 5 year period, the next nine measurements in another 5 year period and the next four measurements in a year and a half period.

The measurements appear not all from the "same observatory" or of the "same segment" of Venus' cloud surface, nor do we know the behavior of the Sun during these measurements.

Ralph E. Juergens remarks,

"A new feature of Sagan's "A.A.A.S. paper" is a figure purporting to show that contrary to Velikovsky's expectation that Venus must be cooling off with the passage of time, "an unbiased" compilation of data shows nothing of the kind...What he (or someone else) has assembled to prepare this figure is the history of microwave brightness temperatures for Venus, as inferred from observations since about 1957. Since these observations were made, in general, at different wavelengths as the years went by, what they actually show, if anything, is a progression of probings toward the truth of Venus' high temperature. In no way do they indicate the thermal history of Venus; the only history illuminated is that of the technological improvements in radio telescopes." (28)

Apparently Sagan doesn't seem to know the difference between the history of the technological improvements of radio telescopes and the thermal history of Venus. He also seems to think that violating all Velikovsky's criteria for an experiment is reproducing Velikovsky's experiment. Sagan has stated "There is a planetary double standard at work" regarding Velikovsky's hypothesis. (29) However, looking at this evidence of Sagan's, one wonders if there are any standards whatsoever at work regarding his chart.

Juergens above remarked that "this is Sagan at his worst". But perhaps it might be more precise to state that Sagan's chart which disregards all of Velikovsky's criteria for this experiment is really poor Sagan at his best.

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A THERMODYNAMIC ANALYSIS

"George E. Talbot also carried out an analysis of whether Venus may or may not be cooling and he sent his fully quantitative analysis to Science. Dr. Talbot at the time was "doctor of science at Indiana Northern Graduate School...He is a scientist and author whose experimental background is divided between research and engineering applications. His scope and competence in mathematical physics and physical chemistry are evident from his two-volume *Philosophy and Unified Science*, published in 1977 by the international firm of Ganesch and Co. in Madras. Dr. David Lee Hilliker's introduction to this work lists some additional publications of Talbot, including a book in thermodynamics (*Electronic Thermodynamics*). Talbot also holds a basic patent, with D.R. Paxton, in the field of thermodynamics and is the creator of SPLAT, a program for nuclear radiation shielding. He has been chairman of the Dept. of Mathematical Studies at Pacific State Univ. in Los Angeles and presently earns his living making thermal predictions for complex space applications. Talbot's biography is to be found in *Who's Who in the West*, and in *Who's Who*, published out of Cambridge, England." (30)

Here is what Talbot states about the attack by Sagan and others respecting Velikovsky's theory of Venus' temperature.

"Suffice it is to say here that allegedly "divesting attacks" on Velikovsky's thesis of the recent origin of Venus are based upon incorrect thermal reasoning, and this is not a matter of opinion, but of thermodynamics and heat transfer. The calculations given in *Scientists Confront Velikovsky* are not being criticized for being simple and clear -- these are virtues. The criticism is based upon their demonstrable irrelevance." (31)

What Talbot presents is that a candescent Venus 3,500 years ago, would be at a temperature about 750 degrees K, its present measurement today; and this is based on the law and physics of thermodynamics. He states,

"...the relevant point is proven in a fully quantitative manner that a massive molten body -- quantitatively, a mass equivalent to Venus and having the Venus surface area and molten at between 1,500 degrees K and 2,000 degrees K will transfer heat internally by flowing magma and will radiate its heat in such a way that in exactly 3,500 years its temperature is expected to be exactly 750 degrees K, which by measurement it is." (32) (his emphasis) Talbot adds this about Sagan's greenhouse model, "It is really impossible to argue intelligently that the present measured temperature of Venus can be deduced exactly from a (greenhouse) model which is "naive" or "inappropriate." (33)

When we compare Talbot's fully quantitative proof with Sagan's "biased" chart, we see the difference between Talbot's science and Sagan's science fiction.

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Sagan states that Velikovsky, "believes that Mars, being a relatively small planet, was more severely affected in its encounters with the more massive Venus and Earth and therefore, should have a high temperature...in the same section he badly states, "Mars emits more heat than it receives from the Sun" in apparent consistency with his collision hypothesis. This statement is dead wrong." (34)

Velikovsky's answer is as follows: "Sagan starts this section with the discussion of the temperature of Mars and accuses me of wrongly stating that according to the data known before the publication of *World in Collision* in 1950, "Mars emits more heat than it receives from the Sun"...Sagan says, "This statement is however, dead wrong."

"But, *Sky and Telescope*, March 1961, reported Sagan's opinion: 'It has long been known that the observed surface temperature of Mars is about 30 degrees centigrade higher than would result from the Sun shining on an airless planet at its distance.'"

In the *McGraw Hill Encyclopedia of Science*, Vol. 8, (1971), an article titled "Mars", Velikovsky informs us that, "Between the theoretical and observed temperature values of Mars -- reflecting as a grey body -- there is an actual excess of heat given off by Mars". (35)

Sagan has told us in both *Scientists Confront Velikovsky* and *Broca's Brain* that, "The temperature of Mars has been measured repeatedly...and the temperature of all parts of Mars are just what is calculated" and that "Mars emits more heat than it receives from the Sun...is however dead wrong...What is more, this was well-known in the 1940's." (36) However, in complete contradiction, Sagan informs us in *Sky and Telescope* for 1961 that, "It has long been known that the observed temperature of Mars is at 30 degrees centigrade higher than would result from the Sun shining on an airless body". Thus, about 20 years after it was known that Mars is not hotter than expected, Sagan tells us it is hotter than expected.

Sagan adds, "It is difficult to understand this set of [Velikovsky's] errors and the most generous hypothesis I can offer is that Velikovsky confused the visible part of the electromagnetic spectrum...with the infrared part of the spectrum...But...Mars turns out to have exactly the temperature everyone expected it to have, we do not hear of this as a refutation of Velikovsky's views. There is a planetary double standard at work." (37) After learning of Sagan's contradictory statements respecting the temperature, I am in full agreement with him that there is indeed a "double standard at work".

Sagan remarks that, "The conclusion is clear, Mars, even more than Venus, by Velikovsky's argument, should be a "hot planet". (38) This remark is, of course, based on Sagan's belief that Mars should be a "hot planet" in terms of his interpretation of Velikovsky's hypothesis of the temperature of Mars. But to be quite accurate, it is really Sagan's misinterpretation, represented as Velikovsky's hypothesis of the temperature of Mars.

Nevertheless, let us examine Sagan's view of why Mars is supposed to be somewhat warmer than believed. Velikovsky (in *Kronos III*; 2, p. 47) states that "Sagan wishes to ascribe the 30 degree difference to a greenhouse effect produced by the very rarified atmosphere on Mars and for this he assumed the presence of a certain (not proven) quantity of water (vapor? at what temperature?) besides carbon dioxide." Having gone through the greenhouse effect on Venus and having found it wanting we need only cite one source to show Sagan's Martian greenhouse work is ignorant. Martin Caidin in his book, *Destination Mars*, (N.Y. 1972), page 196, writes:

"As one of the Mariner scientists explained, the Martian temperatures have nothing to do with air [atmosphere] of Mars, but with the surface. What we measure with our instruments is the amount of solar radiation, mainly infrared, that strikes and is absorbed by the Martian surface.

"There cannot be air temperature as we understand this term because the Martian atmosphere is so thin it can't retain heat. There simply aren't enough molecules present, so that a thermometer, as we know this instrument, can record variations in temperature.

"The atmosphere of Mars in many ways is like the environment of space. It's so thin it's an atmosphere in scientific terms only."

So much for Sagan's understanding of the temperature of Mars which is like his understanding of Velikovsky's hypothesis of Mars -- pure fantasy.

WHAT OTHER SCIENTISTS SAY

Finally, let us see what other scientists have to say about Sagan's greenhouse effect hypothesis. These were reported by Professor Greenberg.

"The University of Wisconsin's Vener Suomi claims that "the infrared losses from the [atmosphere's] deep layers are too large to be supplied by the sunlight reaching the surface" of Venus. "Thus, the greenhouse effect is unable to account for the high surface temperatures." (See *Science News*, Vol. 116, 11.3.79, p. 308)

"Johnathan Eberhart, Space Sciences editor for *Science News* is also well aware of the greenhouse quandary. He writes, "Venus is very hot

(perhaps 200 degrees hotter than airless Mercury, which is barely half as far from the Sun) that the greenhouse must be an amazingly effective one...the scientists are faced with explaining an almost perfect system and there is still disagreement about whether the job has been done...The questions is still open." (*Sciqwest*, Vol. 53, No. 1, January 1980, p. 12)

"Terence Dickinson -- science writer and the present editor of *Star and Sky* -- remains especially open minded to the question of the greenhouse effect. [He states], "The mathematical models for the Venus greenhouse effect have been controversial, at least in their detailed application, for years now. Although the unexpectedly large [sic] amount of water vapor in the lower atmosphere tends to support the greenhouse theory, Velikovsky's contention of internally generated heat cannot yet be ruled out." (See "Venus - To Hell and Back", *JFO Report*, August 1979, p. 77)

"V.A. Firsoff remains justifiably skeptical where the greenhouse effect is concerned, while in a recent article on Venus for *Science* (1/18/80), Richard A. Kerr failed to endorse that (greenhouse) effect as a foregone conclusion..."

"...Moreover, on Dec. 9, 1978, it was found that 'the region of the highest thermal emission on this day was on the night side of the planet, at roughly 45 degrees N'. This sharply contrasted with earlier observations made on April and May 1977 at an identical solar phase angle, in which the region of intense emission was consistently on the sunlit side of the terminator (the line between day and night). This striking change of appearance indicates that at least some of the major thermal features are not solar fixed. (*Science*, Vol. 203, 23 February 1979, p. 789, emphasis added) (39)

Velikovsky has reported, "Two discoveries made since this paper was written in 1963 need to be recorded. One of them concerns the problem of Venus' temperature. Measurements were made of the 11 cm wavelength emission from Venus, at Green Bank Observatory and reported by K.I. Kellermann in the September 1966 issue of *Icarus*, and strongly suggests that the heat of the ground surface of Venus comes not from the atmosphere above, but from the sub-surface." (40) Professor Greenberg notes, "It should be noted that Carl Sagan was an Associate Editor of *Icarus* at the time. Was he oblivious of Kellermann's findings?" (41)

Werner Von Braun in his co-authored book, *New Worlds: Discoveries From Our Solar System*, (N.Y. 1979), page 129, states, "...scientists would like to be sure that the greenhouse effect is indeed the cause of the hot surface and lower atmosphere. So far it is only a theory, not yet proven by experiment." While Richard A. Kerr, in *Science* for Jan. 18, 1980, pages 292-293, states, "The much ballyhooed greenhouse effect of Venus' carbon dioxide atmosphere can account for only part of the heating".

Reginald E. Newell explains what is wrong with the greenhouse effect theory quite simply with this analogy.

"...imagine a well insulated domestic oven and inquire what happens when only a 10 watt bulb giving an energy input of about 10 w/M² [having a 10

watt bulb on every square meter (about a square yard) of Venus' surface]. Rarely does the air temperature inside the oven rise to 750 K! Now imagine the oven is placed on top of the molten lava of an active volcano; it will soon reach the required temperature. The energy for the process is that which has come by conduction from the process keeping the rock molten. It seems that the latter situation, rather than the former, corresponds to Venus..." [See footnote 10]

If the Greenhouse Effect mechanism is correct it would explain the high surface temperature of the planet; it doesn't, and this is admitted. It would explain why the heat source--the clouds--are cooled than the heat sink--the surface--; it doesn't, and this is admitted. It would explain why the polar regions, which receive the least sunlight are hotter than the equatorial regions which receive the most sunlight; it doesn't, and this is admitted. It would explain the one kilometer expansion and contraction oscillation of the atmosphere; it doesn't, and this is admitted. It would explain the super rotation of the upper atmosphere around the planet in four to five days; it doesn't. Why doesn't it account for any of these phenomena observed in the Venusian atmosphere which a good theory ought to do?

Sagan has told us that, "not all scientific statements have equal weight". To paraphrase him: The science of thermodynamics and the first and second laws of thermodynamics are on extremely firm footing. Sagan has accused Velikovsky of attempting to rescue religion and astrology. What could be more dogmatic than offering a theory that violates the second law of thermodynamics and not explaining how this can be done with a process that circumvents this law? Apparently Sagan has a solution or seems to believe in miracles.

Carl Sagan and Immanuel Velikovsky is an analysis of a scientific debate respecting the theory of Immanuel Velikovsky held at a symposium under the auspices of the American Association for the Advancement of Science [AAAS] in San Francisco in 1974. One of the participants in the debate, Professor Carl Sagan of Cornell University, raised, there and elsewhere, a host of questions and points of severe criticism of Velikovsky's thesis. Charles Ginenthal, the author of this work, has gone into all aspects of this criticism and has exhaustively outlined the evidence with data from the scientific literature.

The analysis is devastating; the definitive response to the Sagan-Velikovsky debacle. It debunks in lucid terms, point by point, each and every issue raised. It is sometimes humorous and often scathingly critical. No one who reads this material will have the slightest doubt about the nature of this further chapter in the "Velikovsky Affair."

Carl Sagan and Immanuel Velikovsky will be hailed by some and decried by others. It reopens this episode of the Velikovsky debate with a thunderous roar. It is must reading for anyone interested in how scientific debates of revolutionary concepts are actually conducted, how evidence is handled, how ethics are trampled. It is a book for the historical record.

ATTACHMENT 6

16 January 2016

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The Anthropogenic Global Warming (AGW) Imbroglio : Cornell University Censors the Sun

The Censorship of *'The Manic Sun'* by my Alma Mater

6 Pages

The Anthropogenic Global Warming (AGW) Imbroglio : Cornell University Censors the Sun

The Censorship of 'The Manic Sun' by my Alma Mater



Cornell University President Elizabeth Garrett, a lawyer, enjoying a selection of our Dairy Store ice cream . . . and a sunshine drenched day in June 2015 on the most beautiful campus in the world.



Throughout much of calendar year 2000 into 2001 I expended effort to see a marvelous piece of writing, authored by one of the most renowned and widely recognized science writers in history, Mr. Nigel Calder, published in the United States. His work:

The Manic Sun : Weather Theories Confounded

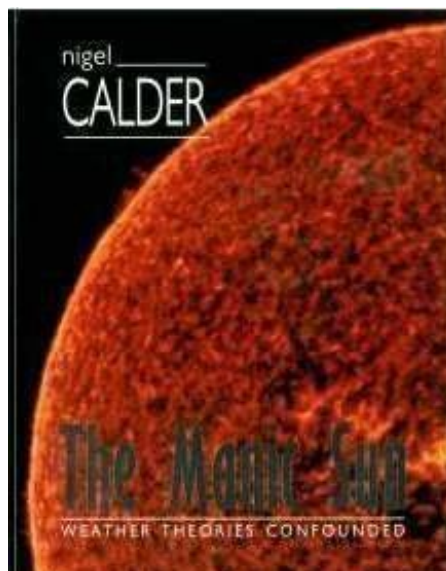
provides one of the most layperson-readable works for understanding climate that I have ever read.

Of the thousands of reviews that poured into Amazon.com/UK :

<http://www.amazon.co.uk/The-Manic-Sun-Theories-Confounded/dp/1899044116>

only three reviews have survived the decades-old thrifting process, and is still posted there as of this moment.

If you visit the link above, you will note that one such review, which briefly describes the relationship between the Sun and climate; that surviving review would be mine (screenshot).



17 of 18 people found the following review helpful:

★★★★★ **A proverbial work of art, a must-read for the open minded.**, 19 Aug 2000

By pvsherdan@aol.com (Dearborn, Michigan, USA) - [See all my reviews](#)

This review is from: The Manic Sun: Weather Theories Confounded (Hardcover)

I had always assumed that the powers-that-be were working diligently in my best interest, especially when it came to the environment and related science. But as I got closer and closer to these (environmental) high priests of arrogance I became increasingly dismayed and, in some cases, outraged. I have now come to recognize that whenever I cannot correlate the (environmental) policies forced upon the world versus objective, observable, repeatable scientific facts; the only explanation lies in what I call the Evil Triad : Money-Fame-Power.

But now here comes Nigel Calder and his magnificent work THE MANIC SUN. Nowhere had I read such a thorough compendium on the truth regarding global climatic change, and its historical origins, not in the burning of hydrocarbon fuels, but in the rampant unbridled power of Sol, our sun. As simple as the statistical tool of correlation, and yet as complex as the process of cloud formation, the true basis of climate change comes alive in Calder's THE MANIC SUN. Nowhere prior to my reading of THE MANIC SUN had I ever imagined that the high-priced, highly promoted computer climate models that were forever chasing the observed atmospheric data and records, and never successfully predicting anything, other than another go at Congressional budget committees, did not bother to include "esoteric entities" such as clouds(?). And yet that is just what the Greenhouse priesthood has been doing all along. Unlike the march toward the new pagan religion demanded of us by the Greenhouse powers-that-be, Calder offers a lucid, objective, high correlation value explanation of how our sun is the master of our weather, and always has been. Based on the latest solar science and atmospheric observations, THE MANIC SUN should be demarked as the first truly layperson-friendly turning point in the public debate over climate change.

Unlike their political control over your minds and votes and wallets, the Greenhouse Industry will be hard-pressed to convince you that any change in your human behavior is going to have a lasting effect on the sun, and therefore they are rife with plans to keep you in the cold (?) about THE MANIC SUN. An example includes how the powers-that-be in the US refuse to allow publication of THE MANIC SUN here. That fact should give you pause.

Note that I do not use the farcical term "fossil fuels." But note that I had already been admonishing the 'powers that be' whom refused to publish this English language book in the United States. To assist with that process I approached people I had previously trusted, and a subset at Cornell University called Cornell University Press (CUP).

We had expended enormous personal effort and expense, during 2000 and 2001, including a re-write of portions of The Manic Sun at the request of CUP. We had funded the visitation, with CUP reviewers and editors, several astrophysicists for the purpose of answering any detailed questions that were arising in the CUP review process. We expended enormous personal funds in telephone calls and book shipments (from Nigel's home in England) to CUP. All was going well . . . and then, out of the proverbial blue, with absolutely no indications to this effect in over a year of discussions, we received a tersely worded email that essentially told us to go away.

Flabbergasted with not only this sudden flip-flop, but its abject rudeness, I immediately made contact with CUP for an explanation. In essence I was told, that CUP was directed by "Day Hall," the administrative center of Cornell, to drop all further discussions relating to the Cornell University publication of The Manic Sun, and that CUP had been criticized for "*letting it get this far.*"

When I pressured my CUP contacts, it became clear that they were in-the-middle, and I refused to pressure this employee on the basis of their undeserved quandary.

All I could only offer to Mr. Calder was my deep apology, and transfer to him the summary comment that had been pushed by Day Hall:

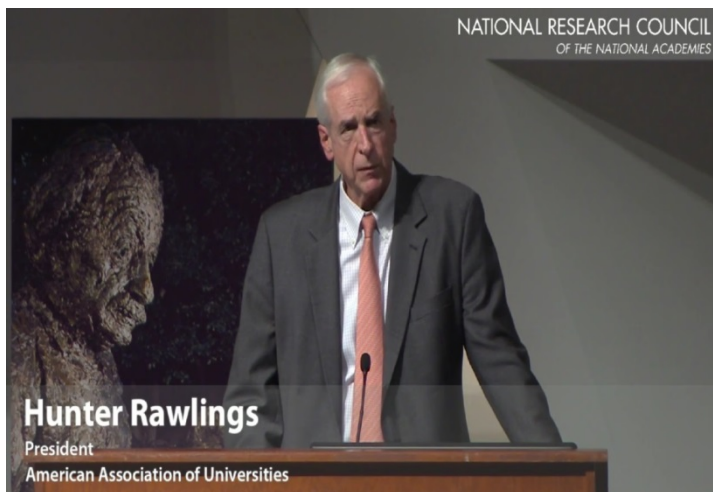
"It's not our kind of book."

It most definitely IS our kind of book, and as an alum of Cornell University, one that had been accepted on the basis of science training and education, one that had previously donated to its general fund, as well as its Graduate School of Management, I would possess an informed opinion, and deserve, or at least an audience on this matter. Apparently not.

At the conclusion of these 2001 CUP conversations I immediately made contact with Day Hall. The focus of these contacts was President Hunter Rawlings.

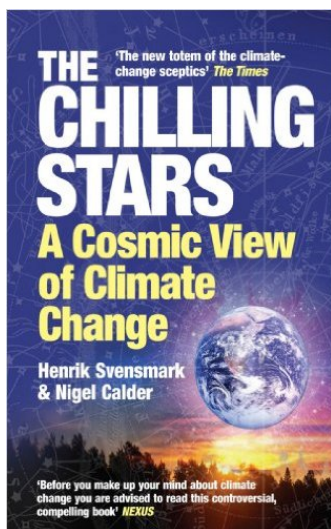
Rawlings has degrees in mythology. He has zero science training, zero science work experience, and zero formal science education.

In my letters to him in early 2001 I inquired about the administrative processes that resulted in the issues rendered above. My letters and telephone calls were polite, patient and characteristically professional.



Given his background, but most importantly his then-current role as top university administrator, I certainly did not, and would never ask for his “views” on astrophysics, or cosmology, or how solar physics relates to Earth climate as detailed by Nigel Calder in *The Manic Sun*. Rawling’s response completely ignored my request for review, completely avoided his administrative role, and instead offered the overleaf . . . which was just another version of **“It’s not our kind of book.”**

I can assure you that if Nigel’s book spewed the garbled popular culture goo that “carbon emissions from human activity” was driving us to a “tipping point,” as specified by James “*death trains*” Hansen, not only would it have been adjudged as “our kind of book,” but I would have been invited to have dinner with President Hunter Rawlings . . . at university expense.



But what are the “views” that one “peruses” when reading *The Manic Sun* In-earnest, as opposed to disposing of it as a “courtesy copy”? Are these “views” based on computer video games played by the IPCC, as funded by climate bolsheviks who input their answer *a priori*? Or is the correlation and experimental repeatability of the underlying theory correct? Has ongoing research proven validity to the point of warranting a follow-up book?

Contrary to the polemical “strawman” games, later played in desperation by AGW pundits, the underlying theory asserts that the interaction between our Sun and the background flow of cosmic particles, that have been streaming through the Solar System since time-immemorial, is what dominants climate, and has proven to be thee path to a true understanding climate change.

But the theory originally put forth by three Danish physicists (Knud Lassen, Eigil Friis-Christiansen and Henrik Svensmark), who are thoroughly versed in plasma physics is more subtle than merely stating correlations about sun spots.

The Lassen, Friis-Christiansen and Svensmark theory involves the delicate interplay between the magnetic field that surrounds and protects our planet, and the tapestry of clouds produced (or not produced) during the cycles of the Sun. Nor is it a theory merely about “brightness,” as the climate bolsheviks attempted to divert attention to. It involves a very specific wavelength and energy level of cosmic particles that penetrate our upper atmosphere and, in so-doing, create clouds. When the Sun is strong these particles are blocked and cloud production is reduced. When our Sun is “quiet,” the Earth produces clouds, and the increased cover increases the albedo, having a multiplier cooling effect (Please see Attachment 5 on Venus).

But as President Rawlings and his AGW ilk decreed in 2001, **“It’s not our kind of book.”**

Above we mention the AGW proponent James “death trains” Hansen. If you visit the Cornell University book store you will not find *The Manic Sun* for sale. However, you might find the 2009 checkout-counter-ish rant from Hansen *entitled ‘Storms of My Grandchildren: The Truth About the Coming Climate Catastrophe and Our Last Chance to Save Humanity.’* True to his person, it was Hansen that attempted to divert the attention from the underlying and somewhat subtle theory discussed in works such as *The Manic Sun* and *The Chilling Stars* by promoting the polemical strawman about solar “brightness.” That is NOT what is crucial to the relationship between the Sun, the cosmic background radiation, cloud formation and planetary albedo . . . not even close. But exploitation is not foreign to Hansen (See Attachment 8 below).

Immediately, on page 6 of Chapter One, Hansen launches into a not-so-clever strawman about:

“Changes in the sun’s irradiance (brightness seen from Earth) . . . ”

He then walks his brightness strawman into merely a “climate forcing” role, claiming the gas carbon dioxide (from human activity) is the real issue, and that the sun is just a minor input, compounding the onrushing “global warming catastrophe” that is being beckoned by the touted greenhouse effect. He attempts to persuade someone of the sincerity of his brightness strawman (most likely the innocent and the uninitiated; those easily exploited through fear) by rambling on about satellite data and “*ten to twelve year magnetic solar cycles.*” He confirms his diversion when he quantifies that the “brightness” effect is only “0.2 watts.” But this strawman is not the issue. The issue is the uncertainty of original cloud generation and cloud formation response, which has nothing to do with “brightness” per se, **and Hansen knows it.**

The *Manic Sun* is “not Hansen’s kind of book.” He is shrewd enough not to mention it or its rendering that the Lassen, Friis-Christiansen and Swensmark theory does not rely on short-term “brightness.” Hansen is also fully aware that his brightness strawman has zero effect on the albedo of Earth, but clouds have an enormous effect! In fact, at the time he wrote *‘Storms of My Grandchildren,’* *The Manic Sun* (1997) was already twelve years out and, as Hansen was fully aware, it instigated a major internationally funded research proposal called **Cosmics Leaving Outdoor Droplets** or CLOUD. This experiment uses a cloud chamber and a nuclear particle accelerator to study the link between cosmic rays, the Sun and cloud formation. So far the results are confirmatory. CLOUD is based at CERN in Geneva, Switzerland.

As anyone erudite in these subjects knows, it was *The Manic Sun* and the Lassen, Friis-Christiansen and Swensmark work that accredited the proposal to embark on the CLOUD experiment at CERN. Even the fumbling-bumbling clerks & reviewers at the IPCC had to finally recognize the onslaught this research was rendering on their AGW agenda when, FINALLY, the IPCC in Chapter 7 of their AR-5 Report had to admit that the research and basic climate concepts, ostensibly presented in *The Manic Sun*, was: **“suggested.”**

This IPCC “suggestion” occurred in 2013; twelve years after Day Hall proclaimed that *The Manic Sun* was:

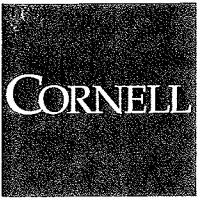
“Not our kind of book.”

Despicable behavior; confirming that openness and truth will be trumped every time such ideals confront and challenge an agenda of Big Academia . . . in this instance the AGW agenda. I was officially excluded by the overleaf. But if you exclude alumni, then why not also exclude the founder, Ezra Cornell? Contrary to the PR rhetoric, exclusion has become standard routine by Day Hall when its agendas are being exposed. On October 7, 1868 the founder stated:

**“I would found an institution where any person
can find instruction in any study.”**

I assert that Mr. Cornell would not have excluded *The Manic Sun* or its portent, and would have reprimanded those Cornell University administrators that had done so.





Office of the President

Cornell University
300 Day Hall
Ithaca, NY 14853-2801

Telephone: 607 255-5201
Fax: 607 255-9924
E-mail: akh2@cornell.edu

May 29, 2001

Paul V. Sheridan
MBA: Class of 1980
22357 Columbia Street
Dearborn, MI 48124-3431

Dear Mr. Sheridan:

Many thanks for sending me a courtesy copy of the publication of The Manic Sun. I look forward to perusing Mr. Calder's views as soon as my schedule will permit.

With best wishes,

Yours sincerely,

A handwritten signature in black ink, reading "Hunter R. Rawlings III". The signature is written in a cursive style with a small flourish at the end.

Hunter R. Rawlings III



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ATTACHMENT 7

16 January 2016

Attorney General Eric T. Schneiderman
Office of the Attorney General
The Capitol
Albany, NY 12224-0341
800-771-7755

The Anthropogenic Global Warming (AGW) Imbroglio : When in Trouble, Exploit our Children

6 Pages

The Anthropogenic Global Warming (AGW) Imbrogllo : When in Trouble, Exploit our Children



In terms of scientific, legal or moral credibility, the lawsuit brought by James “death trains” Hansen has even less than that brought by New York Attorney General Eric T. Schneiderman against Exxon-Mobil.

Twenty-one adolescents have been cajoled by Hansen into filing a “constitutional climate change lawsuit” in the U.S. District Court of Oregon, that lists President Barack Obama as a defendant. The overleaf explains:

“ An expert declaration by Dr. James Hansen was filed as an exhibit to the Complaint. ”

This alleged expertise, from a person that has no formal training or degree in climate science, rants the usual nonsense about “fossil fuels” and “carbon.”

As detailed above, Hansen’s declaration that 500 ppm is a “tipping point” that will cause biological oblivion is not a mistake. **It is well-known that chlorophyll-dependent systems flourished during prior periods of 1500 – 2000 ppm, and that no “tipping point” ever occurred.** Regardless, of that fact, which is known to Hansen, his overleaf babbles:



“ . . . safe levels of CO2 atmospheric concentration are below 350 parts per million (ppm). Atmospheric CO2 concentration is currently at about 400 ppm. The purpose of this case is to obtain a federal court order: (1) declaring that the Federal Government has violated and is continuing to violate the fundamental constitutional rights of youth and future generations to life, liberty, property, and public trust resources by causing dangerous CO2 concentrations in the atmosphere and dangerous government interference with a stable climate system; and (2) ordering the Federal Government to protect these constitutional rights by significantly reducing our nation’s CO2 emissions through implementation of a science-based climate recovery plan.

As a partial indication of the hype, and therefore utter lack of credibility of this Hansen charlatanism, the overleaf declares:

“This case presents the opportunity for a landmark decision like Obergefell v. Hodges (marriage equality). In Obergefell v. Hodges, the Supreme Court stated: “The identification and protection of fundamental rights is an enduring part of the judicial duty to interpret the Constitution.” Plaintiffs seek exactly that and are asking the court to declare the fundamental rights of children and these Plaintiffs and whether the Federal Government has an obligation to protect Plaintiffs’ constitutional rights to life, liberty, and property from government actions that knowingly create dangerous climate change.”

The Anthropogenic Global Warming Imbroglio : When in Trouble, Exploit our Children

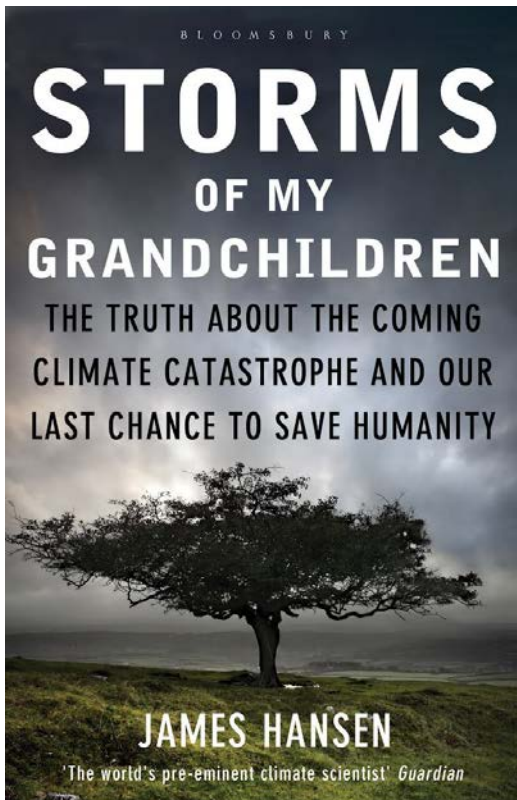
Given the legal precedents that Hansen chose to cite, should one now assume that, in addition to being stigmatized with the “*climate denier = holocaust denier*” vernacular (the routine deployed by New York Attorney General Eric Schneiderman) those that disprove the AGW imbroglio should now expect slanders regarding their views on marriage and sexual orientation !?

An over-the-top hypothetical question? Hardly. On Christmas Eve, California Representative Barbara Lee read from a Congressional resolution she was promoting which claims:

“Food insecure women with limited socioeconomic resources may be vulnerable to situations such as sex work, transactional sex, and early marriage that put them at risk for HIV, STIs, unplanned pregnancy, and poor reproductive health . . . (Congress must recognize the disparate impacts of climate change on women, and must encourage the use of gender-sensitive frameworks in developing policies to address climate change.”



In other words, if I fly to Albany, New York to meet with Attorney General Schneiderman, a portion of the plane’s exhaust can be allocated to causing prostitution in underdeveloped or developing countries?



But an even more alarming proposition . . . what next, those who do not bow down to the climate bolsheviks will be ridiculed as child molesters !?

James “death trains” Hansen gets very close. In his book rant, which comes very close to confirming psychosis, he openly demands that we believe in his fear-mongering fairy tales about atmospheric carbon dioxide and the effect it will have on his grandchildren, going so far in his rant as to place a picture of his (lovely) first granddaughter on Page XII of the preface!



These examples are neither science, or isolated. In fact, with Hansen as a ‘role model,’ taking the lead in justifying such lurid behavior, more of the same or worse should be expected. This blatant fear-mongering and exploitation, has no place in competent, genuine discussions about protecting the environment. Hansen’s behavior is repulsive.



SUMMARY OF CONSTITUTIONAL CLIMATE CHANGE LAWSUIT AGAINST THE UNITED STATES GOVERNMENT

On August 12, 2015, 21 young people from across the United States filed a landmark constitutional climate change lawsuit against the Federal Government, including the President and specific federal agencies, in the U.S. District Court for the District of Oregon. For over fifty years, the Federal Government has known that carbon dioxide (CO₂) pollution from burning fossil fuels was causing global warming and dangerous climate change, and that continuing to burn fossil fuels would destabilize the climate system on which present and future generations of our nation depend for their wellbeing and survival. Despite this full knowledge, the Federal Government has allowed and promoted the development and use of fossil fuels, thus increasing the concentration of CO₂ emissions in the atmosphere to unsafe levels and creating the dangerous climate change and ocean acidification that we face today. This case will put indisputable science about climate change squarely in front of the federal judiciary. Our nation's top climate scientists say that safe levels of CO₂ atmospheric concentration are below 350 parts per million (ppm). Atmospheric CO₂ concentration is currently at about 400 ppm. The purpose of this case is to obtain a federal court order: (1) declaring that the Federal Government has violated and is continuing to violate the fundamental constitutional rights of youth and future generations to life, liberty, property, and public trust resources by causing dangerous CO₂ concentrations in the atmosphere and dangerous government interference with a stable climate system; and (2) ordering the Federal Government to protect these constitutional rights by significantly reducing our nation's CO₂ emissions through implementation of a science-based climate recovery plan.

Plaintiffs

The individual Plaintiffs in the case are all youth, ages 8-19. The majority of Youth Plaintiffs are Oregonians. The other Youth Plaintiffs live in Colorado, Florida, Arizona, Washington, Hawai'i, Louisiana, Pennsylvania, New York, and Alaska. The nonprofit organization Earth Guardians is also a Plaintiff in the case, representing young citizen beneficiaries of the public trust. Future Generations are a named Plaintiff and are represented through a guardian, world-renowned climate scientist, Dr. James Hansen. The Complaint tells each Plaintiff's individual story and all of the ways they are being harmed by climate change and will be in the future if the Court does not order the Federal Government to stop the harm.

Federal Government Defendants

Defendants in the case are the United States; the President; the Office of the President; the Departments of Energy, Interior, Transportation, Agriculture, Commerce, State, and Defense; and the Environmental Protection Agency. Each of these Defendants knowingly contributed to dangerous levels of CO₂ emissions in our country. Each Defendant also has an important role in solving our nation's climate change crisis.

The Facts in the Complaint

The factual allegations in the Complaint explain how Defendants have known since at least 1965 that CO₂ emissions from the combustion of fossil fuels would create dangerous climate change with enormous and harmful impacts for future generations, and specifically Youth Plaintiffs' generation. In 1990 and 1991, the Federal Government prepared plans to stop climate

destabilization and reduce CO₂ emissions in order to stabilize the atmospheric concentration of CO₂ levels at 350 ppm. The 1990 and 1991 Plans proposed a rising price on carbon and many other policies, but the 1990 and 1991 Plans were never put in place. Despite the Federal Government's knowledge of the dangers of CO₂ emissions and the 1990 and 1991 Plans to reduce emissions, Defendants have continued to authorize and promote fossil fuel production, consumption, and emissions, which have grown, not shrunk.

The Complaint then explains how the Federal Government has authority and control over the U.S. air space (our atmosphere), fossil fuel resources, and the U.S. fossil fuel energy program. Instead of using its authority to protect our country's air and other vital natural resources, the Federal Government allowed for, and continues to allow, the extraction and combustion of massive quantities of fossil fuels, which has resulted in dangerous CO₂ emission levels and a destabilized climate system. The Complaint explains the various ways in which Defendants promote and authorize fossil fuel related activity that results in these destructive CO₂ emissions.

The facts also go into detail about the best climate science and show how, if not addressed immediately, climate change threatens Plaintiffs' life, liberty, and property, the very rights our Founding Fathers set out to protect in our Constitution. Our nation's top climate scientists say that CO₂ levels above 350 ppm create dangerous climate change and ocean acidification. Climate change and ocean acidification are causing extreme weather events, floods, heat waves, wildfires, droughts, sea level rise, and other significant, long-term impacts. The current policies, plans, and practices of the Federal Government will not achieve the necessary fossil fuel emission reductions within this century. Without immediate action by Defendants to reduce CO₂ emissions, the harm from climate change and ocean acidification will get much worse. Dr. James Hansen and his colleagues have developed a pathway that would avoid the worst impacts of climate change and stabilize our climate system for Youth Plaintiffs and future generations. The Complaint requests that the court order the Federal Government to develop a national plan to swiftly phase-down CO₂ emissions in line with bringing atmospheric CO₂ concentration to below 350 ppm. An expert declaration by Dr. James Hansen was filed as an exhibit to the Complaint.

Actions Challenged in the Lawsuit

Plaintiffs challenge the following actions:

1. Defendants' Affirmative Aggregate Actions that Cause Climate Destabilization

These aggregate actions include everything Defendants have done to create a dangerous situation with regard to carbon pollution, including allowing and promoting the exploration, extraction, development, transportation, export, import, and burning of fossil fuels. These aggregate actions include government permits and subsidies to the fossil fuel industry to engage in these practices.

2. Energy Policy Act, Jordan Cove, & LNG Exports

The Complaint also alleges that section 201 of the Energy Policy Act is unconstitutional because it requires the Department of Energy to approve permits for export and import of natural gas to any private entity, with no public or national interest analysis whatsoever, as long as the natural gas is coming from or going to a country with which the United States has a free trade agreement.

In 2011, under the Energy Policy Act, the Department of Energy issued an order approving liquefied natural gas (“LNG”) exports from the Jordan Cove LNG Terminal in Coos Bay, Oregon, further enhancing the danger to Plaintiffs that Defendants’ actions in the aggregate have created. While the Jordan Cove facility has not yet received all its required state and federal permits, if built, it would be the single largest polluter in Oregon (after Oregon’s only coal plant is shut down in 2020). Part of the natural gas Jordan Cove would be exporting is fracked gas from Colorado.

Plaintiffs’ Legal Claims

1. Violation of the Due Process Clause of the Fifth Amendment

The Fifth Amendment of the U.S. Constitution protects present and future generations from government actions that harm life, liberty, and property without due process of law. Plaintiffs’ substantive due process rights have been infringed because Defendants caused atmospheric CO₂ levels to rise above 350 ppm, thus dangerously interfering with a stable climate system for our country and these Plaintiffs. The present dangerous CO₂ levels and emissions, resulting in significant part from the affirmative aggregate acts of Defendants’ in the areas of extraction, production, transportation, and consumption of fossil fuels, endanger Youth Plaintiffs’ and Future Generations’ lives, liberties, and property. The Department of Energy’s 2011 approval of LNG exports from the Jordan Cove facility enhances the danger to Plaintiffs that Defendants’ actions in the aggregate have created and is an unconstitutional violation of Plaintiffs’ fundamental constitutional rights.

2. Violation of Equal Protection Principles Embedded into the Fifth Amendment

The affirmative aggregate acts of Defendants in the areas of fossil fuel extraction, production, consumption, and combustion irreversibly discriminate against Plaintiffs’ exercise of their fundamental rights to life, liberty and property, and abridge central precepts of equality. The affirmative aggregate acts of Defendants in the areas of extraction, production, transportation, and consumption of fossil fuels have caused and are causing irreversible climate change. As a result, the harm caused by Defendants has denied Plaintiffs the same protection of fundamental rights afforded to prior and present generations of adult citizens. The imposition of this disability on Plaintiffs serves only to disrespect and subordinate them. The Fifth Amendment’s guarantee to equal protections of the laws prohibits the Federal Government’s unjustified infringement of Plaintiffs’ right to be free from Defendants’ aggregate acts that destabilize our nation’s climate system whose protection is fundamental to Plaintiffs’ fundamental rights to life, liberty and property.

3. The Unenumerated Rights Preserved for the People by the Ninth Amendment

The Ninth Amendment of the U.S. Constitution protects rights retained by the people that are not specifically “enumerated” (or listed) in the Constitution but can be implied to exist by a court. Among our implicit liberties protected from government intrusion by the Ninth Amendment is the right to be sustained by our country’s vital natural systems, including our climate system. This claim alleges that the affirmative aggregate acts of Defendants have unconstitutionally caused, and continue to materially contribute to, dangerous levels of atmospheric and oceanic CO₂ and a destabilized climate system. Therefore, the affirmative aggregate acts of Defendants have infringed, and continue to infringe, on Plaintiffs’ fundamental constitutional rights.

4. Violation of the Public Trust Doctrine

Plaintiffs are beneficiaries of rights under the public trust doctrine. Rights under the public trust doctrine are secured by the Ninth Amendment and embodied in the reserved powers doctrines of the Tenth Amendment and the Vesting, Nobility, and Posterity Clauses of the Constitution. The public trust doctrine protects the rights of present and future generations to those essential natural resources that are of public concern to the citizens of our nation. These vital natural resources include at least the air (atmosphere), water, seas, the shores of the sea, and wildlife. The overarching public trust resource is our country's life-sustaining climate system, which encompasses our atmosphere, waters, oceans, and biosphere. As sovereign trustees, Defendants have a duty to refrain from "substantial impairment" of these essential natural resources. The affirmative aggregate acts of Defendants in the areas of fossil fuel extraction, production, transportation, and consumption, have unconstitutionally caused, and continue to cause, substantial impairment to the essential public trust resources. Defendants have failed in their duty of care to safeguard the interests of Plaintiffs as the present and future beneficiaries of the public trust. Such abdication of duty abrogates the ability of succeeding members of the Executive Branch and Congress to provide for the survival and welfare of our citizens and to promote the endurance of our nation.

Remedy Sought

This case presents the opportunity for a landmark decision like *Brown v. Board of Education* (on racial equality) or *Obergefell v. Hodges* (marriage equality). In *Obergefell v. Hodges*, the Supreme Court stated: "The identification and protection of fundamental rights is an enduring part of the judicial duty to interpret the Constitution."¹ Plaintiffs seek exactly that and are asking the court to declare the fundamental rights of children and these Plaintiffs and whether the Federal Government has an obligation to protect Plaintiffs' constitutional rights to life, liberty, and property from government actions that knowingly create dangerous climate change. The Complaint seeks an order that the Federal Government must protect those constitutional rights and prepare a national science-based climate recovery plan to significantly reduce our nation's CO₂ emissions. The Complaint also seeks a declaration that section 201 of the Energy Policy Act and the Department of Energy's 2011 order approving exports from the proposed Jordan Cove LNG export facility are unconstitutional.

.....
Our Children's Trust is a nonprofit organization advocating for urgent emission reductions on behalf of youth and future generations, who have the most to lose. OCT is coordinating a federal, state, local and global human rights and environmental justice campaign to secure the legal right to a healthy atmosphere and stable climate. We use law, film, and media to elevate the compelling youth voice seeking science-based Climate Recovery Plans. www.ourchildrenstrust.org. To learn more about this case, visit: www.ourchildrenstrust.org/US/Federal-Lawsuit.

Earth Guardians is a Colorado-based nonprofit organization with youth chapters on five continents, and multiple groups in the United States with thousands of members working together to protect the Earth, the water, the air, and the atmosphere, creating healthy sustainable communities globally. We inspire and empower young leaders, families, schools, organizations, cities, and government officials to make positive change locally, nationally, and globally to address the critical state of the Earth. www.earthguardians.org

¹ *Obergefell v. Hodges*, 576 U.S. _____, slip op. at 10 (2015).

ATTACHMENT 8

16 January 2016

Attorney General Eric T. Schneiderman
Office of the Attorney General
The Capitol
Albany, NY 12224-0341
800-771-7755

The Issues of Morality and (Scientific) Ethics

6 Pages

The Issues of Morality and (Scientific) Ethics

Throughout human history the #1 issue has never been our collective good looks, or our ability to “subdue Mother Nature,” but first-and-foremost the #1 issue has always been our ability to conduct ourselves in a manner consonant with the basics of ethical behavior.

In my humble opinion, the proverbial giants are the average members of humanity, upon the shoulders of which you will find standing, the so-called scientific community. The latter, contrary to, of late, its all too mindless but characteristic vanity, is utterly dependent on the average people that comprise day-to-day society; the people that pave the roads, build the houses, and grow and cook the food. If a scientist is looking to thank someone for the lofty perch that they sit upon, take a moment to observe the average person upon whose shoulders you truly stand.

The scientific community is merely an offshoot of humanity, and as such is not immune to the pitfalls of unethical behavior. **ClimateGate** is just one example of that community that was exposed as unethical. When one canvasses the broader reality, that most unethical behavior goes undetected or unproven, one can become generally insolent or even cynical. No one promised that life would be easy.

In the last paragraph of my December 15, 1987 letter to then-Dean Curtiss Tarr, Cornell University Johnson Graduate School of Management, I used the term:

“Koyannisqatsi”

Pronounced coy – yah – niece – got - zee, it is derived from Hopi, meaning “crazy life.” I ended that decades-old letter with a warning from Counsel to the King (Arthur). Merlin warned, “. . . for it is the doom of men that they should forget.”

In a scene from the John Boorman film Excalibur, Arthur and Merlin discuss the “greatest virtue.”



The greatest virtue is, of course, **truth**. <https://vimeo.com/150384524> As the deans of the Cornell Graduate School of Business and the Law School, will affirm, I have pursued the truth:

<http://pvsheridan.com/Sheridan-SafetyLeadershipAward.pdf>

Contrary to what appears to be presented in this short letter, words that imply a disdain for my alma mater (Cornell University), my relationship with that institution (and academic institutions like it) is one of ongoing deference and deep caring. I have not given up on the process of high education. Alternatively I am not known for “sparing the rod.” This instant effort should be viewed as confirmation of the exact opposite: My ongoing commitment to high education and Cornell.

The 150th Anniversary gala of the founding of Cornell included the film, ‘*Glorious to View.*’ Shown to alumni at the gala, it is available at the Cornell home page, and their YouTube account:

<https://www.youtube.com/watch?v=GuM8vTq0jd4>

If you scroll into the Comments section you will find the #1 ‘thumbs-up’ comment; that would be mine:

Cornell University: Glorious to View

https://www.youtube.com/watch?v=GuM8vTq0jd4

YouTube

pvsherdan 7 months ago (edited)

For 35 years I have RESIDED in Michigan. I have never really lived here.

If this sounds like a slam, it is not meant to be, it is meant to qualify what typically happens to anyone who becomes part of Cornell University, and then moves anywhere else.

I will always be a Cornellian. This just happens. And when it does, when one realizes what is now their person, a person that did not exist prior, and the social responsibility that now is endemic, the Cornellian says to themselves, very quietly and with humility, "Wow."

That statement is, in my mind, somewhat of a pre-admonition. An alert to the psyche that what has been received must now be given away, given away implicitly . . . with the exalted privilege of "Service to Others" as the central goal and purpose.

I say these things with reservation, a reservation that is concerned with the effect these statements have on those whom I have come to know since "leaving" Ithaca and Cornell. I put that in quotes because those of us that have been there, NEVER LEAVE . . . those who are as overwhelmingly lucky as I was and continue to be as a member of the Big Red family.

In terms of the breadth of experience, education and, most importantly HUMAN ASSOCIATION, no institution currently functioning on planet earth has the reach and effect of Cornell University. On my wall here at my house in Dearborn I have a statement in a frame by a Cornell professor entitled, "This is Cornell." The statement describes the reach and reputation of the University family . . . the welcome we receive here and abroad . . . This framed statement ends by extolling, ". . . simply because we are from Cornell."

From the clean drinking water systems installed in so-called Third World countries to the nuclear powered robots that are operating on the planet Mars (as you read this) to the world's #1 laboratories and colleges for the study of biological systems (such as birds); no institution accomplishes these deeds with such competence, such credibility and such open sincerity as a PUBLIC SERVICE, than Big Red. Not a corporation, not a country, not a government, not a religion . . . In 1865 the doors were opened in Ithaca, New York. In 1868 a black person is enrolled, 1869 a women is enrolled. In 1871 a Chinese person is enrolled. Etc. On proverbial 'Day One' in 1865 the doors were open to all. No institution has the heritage of the academy that is Cornell University:

"I would found an institution where any person can find instruction in any subject."

In this celebration video of Cornell's 150th, the scenes are all on-campus, or a short walk from campus. No campus in the world comes even remotely close to the raw beauty of the campus and surrounding areas at Cornell.

Not even close. As you watch, you will begin to understand why we spend so much time there . . .

Show less

Reply · 18

akshay talegaonkar 7 months ago

+pvsherdan Very well said pvsherdan !! :) Another amazing video like is "This is" !!

Reply · 1

I have personally experienced the unethical behavior of Cornell, including but not limited to climate science. As implied above, rather than behaving in a manner beholden to day-to-day society, the shoulders upon which Cornell truly stands, my alma mater has diverted to a path that grovels before the agendas of financial and other sorted vested interests. Attachment 7 above documents just one example.

Much of what currently constitutes climate science, and certainly the climate bolshevism that characterizes higher education's approach to it, could be relegated to **Koyannisqatsi**.



**Cornell University
Johnson Graduate School
of Management**

Curtis W. Tarr, Dean
Malott Hall Ithaca NY 14853-4201 (607) 255-6418

July 28, 1989

Dear Paul,

On my last day as dean, I am thinking about those who have helped to make this such a splendid experience for me and a promising one for this fine School. You certainly are one of those people. I owe you my gratitude.

I look forward to my new life, and I have too many things set aside to accomplish too soon. I will be here in my new office on the fifth floor most of the time. Please call me if ever I can help you; my number will be 607-255-1122.

You have my thanks and warm wishes.

Sincerely,

A handwritten signature in black ink, appearing to be "C. W. Tarr", written in a cursive style.

Curtis W. Tarr

CWT:lw

Mr. Paul V. Sheridan '80
22357 Columbia
Dearborn, MI 48124-3431

Cornell University
Malott Hall
Ithaca NY 14853-4201

607.255.6418



Johnson Graduate School of Management

Curtis W. Tarr
Dean

December 22, 1987

Dear Paul,

Thank you very much for your good letter about business ethics. You can be sure I will be reading all the details in this again with great care as I prepare for the course. You certainly are kind to share it with me.

I am grateful for your continuing loyalty to the School. I hope the new year treats you very well indeed.

Sincerely,

A handwritten signature in black ink, appearing to read "Curtis W. Tarr".

Curtis W. Tarr

CWT:tal

Mr. Paul V. Sheridan
Program Manager
Jeep and Truck Engineering
Chrysler Motors Corporation
14250 Plymouth Road
CIMS 514-00-00
Detroit, MI 48232

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Dearborn, MI 48124
(O) 313/493-2404
(H) 313/277-5095

December 15, 1987

Curtis W. Tarr, Dean
Johnson Graduate School of Management
Cornell University
Malott Hall
Ithaca, NY 14853-4201

SUBJECT: Your input request for the spring semester course on Business Ethics

Dear Curtis:

It has been said that in the "modern" business world the employee with a motivational mix that is 75% political and 25% substance will always outclimb the reverse: the employee who is 25% political and 75% substance. When I first heard that remark I thought it was incredulous. However, many of my experiences have given it more credence.

As you know, I began contributing to the greying of my parents' hair at a very early age via my infatuation with the automobile. From greasy fingerprints to ruined clothes to noisy driveways ... Twenty-five years later my situation has advanced itself and may be characterized by saying, "The only difference between men and boys is the price of their toys." The point being that "Motor City" and its workings represent a long-standing object of my attention both vocationally and, in recent years, professionally. I know something about Detroit ... especially its problems. It is in this context that I am able to offer the enclosed as a response to the subject.

In the mid to late seventies, when the proverbial apple cart was upset in Motor City, there were many superficialities cited as being the cause. The Arab oil embargos and rapid rise in fuel prices did, in fact, devastate Detroit's "rich", fuel inefficient product mix. The incredible public sector incompetence with respect to the administration of regulations that affected vehicle fuel economy, emissions and safety continues to be a focus of attention. The foreign competition, especially from Japan, was also cited as being the reason for woe in Detroit. Many, in this finger-pointing frenzy, even cited the UAW as the prime culprit for Detroit's ongoing economic demise. In fact, these "causes" are convenient scapegoats. They're obvious in nature and easily presented by the media. They represent items that "you can get your arms around" and then feel comfortable in the conviction that you have arrived at satisfactory conclusions. In reality, the impact of these overt events merely serve to verify that the cause is more fundamental.

Mismanagement is not new but it has changed in form, if not concealment. On the other hand, to claim that mismanagement is the fundamental cause of Detroit's commercial demise without providing a practical insight into the source and character of the mismanagement would be only slightly more valuable than erroneously qualifying the aforementioned effects as causes.

Published in the September 1983 edition of the Harvard Business Review, "Moral Mazes: Bureaucracy and Managerial Work" approximates the source and character of the mismanagement that runs all too rampant in Detroit, if not the nation. By using the Protestant Ethic as a historical point of departure, Jackall then provides a very accurate "interpretive sociological analysis of the moral dimensions of managers' work" in the context of the "new" business ethic: the Bureaucratic Ethic.

He poses the central question early:

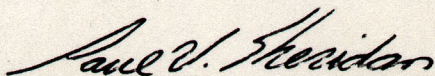
"What if ... men and women in the big corporation no longer see success as necessarily connected to hard work? What becomes of the social morality of the corporation - I mean the everyday rules in use that people play by - when there is thought to be no standard of excellence to explain how and why winners are separated from also-rans, how and why some people succeed and others fail?"

Subtitles include, "Who Gets Credit?", "Fealty to the King," "Capriciousness of Success," "Blame Time," "Playing the Game," etc.

The current irony for me is our (Chrysler) investigations into the inner workings of competitive automotive organizations, specifically the Japanese firms. When I read these reports, I come to the perplexing conclusion that the ethical behavior of, say, Honda is more "American" than the American firms! It is as though the Japanese firms have become the "Americans" of the international business world and the Americans have become ... something else.

I commend your efforts to introduce the ethical issues of the professional business world to the future MBA's of JGSM. Although not as glamorous as high-powered finance or computer-aided operations management, and therefore not as immediate in terms of gratification, business ethics represent the axiomatic basis of all other business disciplines. The subtlety here is that the ethical status of a firm (or a nation) is never fully tested during easy times (such as the post WW II era in Detroit). Only when adversity arises can one fully ascertain the character and competence of management ... without a strong ethical foundation there can be neither. There can only be or become what the ancient Hopi called "Koyaanisqatsi" or "crazy life." 'People scurrying to find the rules of the game, when in fact, "there's nothing new under the sun." As Merlin once said, "... it is the doom of men that they should forget."

Sincerely and respectfully,



Paul V. Sheridan

Enclosures

ATTACHMENT 9

16 January 2016

Attorney General Eric T. Schneiderman
Office of the Attorney General
The Capitol
Albany, NY 12224-0341
800-771-7755

The Anthropogenic Global Warming (AGW) Imbroglio : The Con Called “*Sustainable Energy*”

How Near-future Megatrends Will Supplant So-Called “*Sustainable Energy*”

14 Pages

The Anthropogenic Global Warming (AGW) Imbroglia : The Con Called “Sustainable Energy”
How Near-future Megatrends Will Supplant So-Called “Sustainable Energy”

I have no intention of wasting time here, arguing the obvious cases against the notion that “sustainable energy,” sometimes promoted as “renewable energy,” will provide a . . . sustainable future. But I will make a point that is at least ironic, but probably confirmation of cognitive dissonance.

The Cornell University community cherishes the fact that our institution leads the world in ornithology. As the sign-in book will attest, when I am in Ithaca, New York, I visit the [Lab of Ornithology on Sapsucker Woods Road](#). That sign-in book will also confirm my comments of disdain for the farce called wind power.



Only cognitive dissonance explains how those of goodwill for birds could be cajoled into believing that the junk at-left will “sustain” the underlying efforts symbolized at-right. It is climate bolshevism, the lie that CO2 drives global climate, which convinced Western nations that assembly of manufactured components into giant wind farms was the path to a “sustainable future.” It is not; economically or environmentally. But for a flavor of why the junk at-left infuriates, please see: <https://www.youtube.com/watch?v=l8S7bZ7anqc>

And the same PBS News Hour, an AGW proponent, that interviewed the New York Attorney General about Exxon-Mobil, fails miserably in its effort to spin the notion that spinning knife-edged turbine blades are “sustainable” for endangered species of birds . . . this is cognitive dissonance at the institutional level:

<https://vimeo.com/149441240>





Again, Dr. Bjorn Lomborg of the Copenhagen Consensus Center is an AGW proponent. His November 2015 report 'Impact of Current Climate Proposals' from Page 18 above, quantifies the viability of "renewables":

" Subsidizing inefficient renewables is expensive and doesn't work. The IEA estimates that we get 0.4% of our energy from wind and solar PV right now, and even in optimistic scenarios the fraction will only rise to 2.2% by 2040. Over the next 25 years, we'll spend about \$2.5 trillion in subsidies and reduce global warming temperatures by less than 0.02°C. "

Of course, that last quantification is false; so-called renewables will have zero effect on global temperatures.

So, in terms of their future, what comprises the energy plans of non-Western nations, such as the population Goliaths China, Russia and India?

Do their energy plans call for trillions of dollars spent on "solar PV" panels that do not work at night?

Do their energy plans call for trillions of dollars spent on tens-of-thousands of knife-edged wind mills, that cut birds and whole economies into decoupage?

Do their energy plans call for trillions spent on the most environmentally destructive Big Oil scheme in human history, the farce called "fracking"?

The answers are both yes and no, depending on context and which taxpayer-funded global subsidy is made available. But in the context of the long-term, the answer is a resounding "No." For a quick primer on what China, India and Russia are planning, we offer the following World Nuclear Association links:

<http://www.world-nuclear.org/info/Country-Profiles/Countries-A-F/China--Nuclear-Power/>

<http://www.world-nuclear.org/info/Country-Profiles/Countries-O-S/Russia--Nuclear-Power/>

<http://www.world-nuclear.org/info/Country-Profiles/Countries-G-N/India/>



Former advisor to Al Gore, James "death trains" Hansen states:

" Nuclear power - next generation nuclear power especially - has tremendous potential to be a big part of the solution."

Former Greenpeace co-founder Patrick Moore would be proud.

But the genuine "solution" is one of true environmental protection, by drastic reductions in air and water pollutants, and the need to address in a prudent manner the burgeoning demand for power, electric power in-particular, that the megatrends of the human enterprise will make manifest. This is not to say that we should renege on the prudent practices of efficiency and waste reduction; these have had and will continue to have intrinsic benefit.

But what are the megatrends that are going to dictate my claim made above about "a burgeoning demand for power, electric power," and the most efficient pollution-free means of its generation?

In my opinion there are three major areas/needs that will implicitly “supplant sustainable energy,” and far sooner than most presume:

1. Drastic near-term increases in the fuel efficiency mandated for the light transportation fleet. This fleet includes passenger cars and light trucks.
2. The electrification of the light transportation fleet.
3. The desalination of ocean and sea water for a reliable source of clean potable water.

The first two are inter-related by virtue of the provisions of new Corporate Average Fuel Economy (CAFE) standard released on August 28, 2012. The Obama Administration enacted a combined 54.5 mile per gallon minimum, per manufacturer, for cars and light-duty trucks by Model Year 2025:

<http://www.nhtsa.gov/About+NHTSA/Press+Releases/2012/Obama+Administration+Finalizes+Historic+54.5+mpg+Fuel+Efficiency+Standards>

The year-by-year requirements will be implemented in phases. (This process is very familiar to me, shown in overleaf; in 1982/3 I was the CAFE Planning Analyst for Ford Motor Company . . . a very lonely job at that time.)

But it is these interim steps, the phase-in, contained in the Final Rule of the new CAFE that have already resulted in mechanical design revisions and improvements that are likely to become ‘standard fare’ in terms of light transportation fleet product offerings. One of the most dramatic examples of a design revision comes in the area of light weight body construction of the Ford pick-ups trucks. Lauded as the “gutsiest decision of an automaker,” the all-aluminum bodied F-150 series trucks saves up to 700 pounds, and is a good indicator of what the year 2025 may require in terms of materials selection:

<https://vimeo.com/150634382>



Relating to megatrends, extracting aluminum from bauxite, requires enormous amounts of electric energy. It is this increased demand for electricity, especially if other manufactures follow leaders Audi and Ford into aluminum usage, that evoked a similar recommendation I reported to my bosses at Chrysler in 1986: We should not plan on responding to this increased demand with increased use of coal (nor currently with “fracking”). My report in 1986 was a prelude to opinions on electrification of the light transportation fleet.

Those who know me will confirm that I have advocated electrification of the transportation fleet for decades. There are many background reasons for that advocacy, but an interesting highlight involved an assignment I fulfilled shortly after receiving the Chairman's Award from Chrysler Chairman Lee Iacocca in 1985.

Mr. Iacocca asked a fundamental question: **What is the cleanest form of automotive transportation?** The genesis of his question was the increased concerns (and rhetoric), in the 1980s and 1990s era, regarding the related issues of environmental protection and national energy security.

At that time I had many executive '*Chefs in the kitchen*' who just "knew" that the full electric vehicle was the cleanest; how could it be otherwise? It was, and my report to upper management explained why.

I did not answer the question from the narrow, vehicle-only perspective; I pursued a broad-based systems approach which, by definition, backward integrated my study into the generation and distribution of the energy per se. Whether the vehicle propulsion system was gasoline, or diesel, or methane, or electric based; my real assignment needed to include the environmental effects on a system-wide basis. My study was limited to the United States. In 1985/1986, my ranking, starting with the cleanest, was as follows:

- Full Methane Fueled
- Full Electric Vehicle (today's EV)
- Dual-fueled Gasoline and Methane
- Gasoline
- Diesel

In the 1980s the hybrid (today's "plug in hybrid") was not proposed, and was therefore not part of my study. There was measured surprise at the fact that the full electric was not the cleanest. But that surprise was quelled when I reported how the electrical charging grid (then as today essentially non-existent) was to be energized by a substantial mix of coal-fired generation plants.

As a result of this report I later took the lead introducing internal Chrysler executives and engineers to some of the sources of information for my report; the American Gas Association, the Natural Gas Vehicle Coalition, and the Southwest Research Institute. This led to a formal engineering program was released the first natural gas fueled minivan.

In the DOT/NHTSA CAFE link above you will find (underline/bolding added):

" Major auto manufacturers are already developing advanced technologies that can significantly reduce fuel use and greenhouse gas emissions beyond the existing model year 2012-2016 standards. In addition, a wide range of technologies are currently available for automakers to meet the new standards, including advanced gasoline engines and transmissions, **vehicle weight reduction**, lower tire rolling resistance, improvements in aerodynamics, diesel engines, more efficient accessories, and improvements in air conditioning systems. The program also includes targeted incentives to encourage early adoption and introduction into the marketplace of advanced technologies to dramatically improve vehicle performance, including:

Incentives for electric vehicles, plug-in hybrid electric vehicles, and fuel cells vehicles;

Incentives for hybrid technologies for large pickups and for other technologies that achieve high fuel economy levels on large pickups;

Incentives for natural gas vehicles;

Credits for technologies with potential to achieve real-world greenhouse gas reductions and fuel economy improvements that are not captured by the standards test procedures. "



Noting the underlined items of the NHTSA release above, does sensibility indicate that any of the following energy sources will comprehensively fulfill the intentions of the new CAFE: Coal? Fracking? Solar panels? Wind farms?

An indirect answer . . . my Ford Crown Victoria has a 25 gallon fuel tank. Highway mileage 25mpg; equating to a range of roughly 625 miles. So how much electrical energy equivalent is stored in a full tank? 844 kilowatt-hours, almost a megawatt-hour. Now, as a rough estimate, multiply that by the 170 million light vehicles that are currently on the highways of America . . .

A December 10, 2015 Automotive News headline: **Ford to invest \$4.5 billion in EVs, plug-in hybrids**

An enormous sum; an enormous commitment. Consistent with megatrends issues 1 & 2 above, Mr. Raj Nair, product development chief for Ford states:

“ Everything we do is first driven by the customer, but certainly the regulatory requirements influence the technologies that we’re introducing, not just in electrified vehicles but in light-weighting and EcoBoost engines, etc. ”

On a not-so-subtle level this statement confirms that the only way to comply with the combined 54.5mpg requirement is to obtain CAFE credits through sale of electric vehicles; reducing vehicle weight alone will not accomplish the arithmetic (nor will the anticipated engine technologies).

As car companies world-wide develop their strategies, in response to market and regulatory requirements, a deep frustration will emerge regarding the fact that the ‘driven by the customer’ portion depends on infrastructure; an infrastructure that the car companies do not control.

Currently it appears that the only nation pursuing a coordinated strategy for the future of the light vehicle fleet is China. Partly the result of horrific pollution problems, much borne by inefficient electrical energy generation, the nation of China appears to be moving toward an infrastructure that will accommodate an electrified fleet. And the marketplace for such is increasingly not merely based on financial incentive, but participation at the consumer level; an all-around carrot approach. This national environment justifies so much of the global automotive companies’ focus on China.

But the key word is ‘coordinated.’ Merely issuing edicts that appease selected single-issue pressure groups, such as exemplified by the climate bolsheviks and the process that led to the new CAFE, continues to ignore (i.e. exclude) the fact that the ‘driven by the customer’ portion of any strategy depends on a national and coordinated plan. In its current form, the new CAFE is just another mandate from Washington. The typical American consumer of transportation would happily participate in a modernization of their mode, but that will never happen if the infrastructure is as antiquated, irrelevant and socially incompetent as the “us versus them” of climate bolshevism (and its Malthusian fetish with wind mills and the like).

The drive to the electrification of the light transportation fleet will require a coordinated approach to phasing out coal, quashing the din of the “sustainable energy” choices dictated by climate bolsheviks, and a renewal of the relationship between the automotive companies (as providers of transportation, not merely “cars”) and government. The old antagonistic format has failed repeatedly in every area ranging from safety to environmental protection, and at everyone’s expense especially the taxpayer. (On a professional/personal level, the electrification of the light duty fleet will eliminate a horrific safety hazard of the current dominant modes of transportation: The on-board breach-prone fuel tanks, storing combustible fuel, and therefore the hazard of collision-induced [severe fire injury and/or death](#).)

The modern “next generation nuclear power” and the infrastructure that is being implemented in China is one example of a coordinated approach.

But competent coordination will include care for the generations of American coal work families, an issue I addressed in 1986 in my report to Lee Iacocca; one that France addressed twenty years later in its drive to nuclear power. I have never heard a so-called environmentalist mention this human issue:

<http://news.bbc.co.uk/2/hi/europe/3651881.stm>

The image is a screenshot of a BBC News website page. At the top, there is a navigation bar with links for Home, News, Sport, Radio, TV, Weather, and Languages. Below this, a red banner contains the BBC NEWS logo and a 'Watch One-Minute World News' button. A message in the top left corner reads '[an error occurred while processing this directive]'. The main content area features a 'News Front Page' section with a world map and a list of regional categories: Africa, Americas, Asia-Pacific, Europe (highlighted), Middle East, South Asia, UK, Business, Health, Science & Environment, Technology, and Entertainment. Below this is a link for 'Also in the news' and 'Video and Audio'. The main article is titled 'France closes its last coal mine' and includes a sub-headline: 'The final shovelful of coal has been mined in France, bringing to an end an industry nearly 300 years old.' An accompanying photograph shows a miner in a hard hat and safety glasses working in a dark underground setting. The article text states that a symbolic block of coal was dug out at the La Houve mine, marking the end of coal mining in France. It notes that around 400 miners at La Houve will lose their jobs. The article also mentions that the mine is near the town of Creutzwald on the German border and that nuclear power now provides 80% of the country's energy needs. A separate text box at the bottom of the article provides further context: 'The industry's fate was sealed in the 1960s when France committed itself to a nuclear future.' and 'The 400 miners of La Houve will lose their jobs, but under a special deal, those who have served more than 20 years in the mine will have their salaries and housing paid by the state until they reach the age of retirement.'

As I reported in 1986, the way that the electrification of the light transportation fleet will be made viable, and the electric vehicle attain the "cleanest" rating systems-wide, is by implementation of modern nuclear power.

Item 3 in the megatrends is the desalination of ocean and sea water for a reliable source of clean potable water. What source of potable water does Commanding Officer Captain Christopher Bolt of the USS Ronald Reagan rely on for his crew of 5000? The Pacific Ocean. But the oceans are not potable; their waters are saline, and needs to be desalinated.

This vessel is stationed at Yokosuka, Japan, about 225 miles from Fukushima. Desalination of salt water has two major requirements: A process called reverse osmosis, and a reliable energy source to drive its chemical reactions. Since the controllers for the two nuclear power reactors aboard the USS Ronald Reagan have never been [infected by STUXNET](#), Captain Bolt can rely on reactor output, especially while at sea, to supply the energy to desalinate all the drinking, cooking and shower water his crew will need.



President John Kennedy once said:

"I have said, that I thought that if we could ever competitively, at a cheap rate, get fresh water from salt water that it would be, in the long range, in the interests of humanity, which would really dwarf any other scientific accomplishment. And I am hopeful that we will intensify our efforts in that area."

One of the most salutary contributions to advancing the human condition comes from the Israeli company, IDE Technologies. They are partners for the largest desalination plant in the western hemisphere. Opened on December 15, 2015, the Carlsbad Desalination Project will provide on-average 50 million gallons of fresh water per day, with a contracted yearly maximum of over 18 billion gallons:

<https://www.youtube.com/watch?v=VksL53YLqO0>



However, the IDE website <http://www.ide-tech.com/blog/case-study/carlsbad-california-project/> makes the following claim about the Carlsbad, California desalination plant:

"Environmental breakthrough - first major California infrastructure project to eliminate its carbon footprint"

First of all, as we have frequently discussed above, there is no such thing as a "carbon footprint," and deployment popular culture marketing vernacular such as that belittles these topics. But the IDE claim is absurd given that the adjacent plant is methane and oil fueled, and as such emits carbon dioxide.

IDE has also partnered with China's State Development and Investment Corporation for their desalination plant in Hangu, Tianjin. Regarding this plant the IDE flyer claims:

"Footprint: 125m x 160m . . . "IDE's MED technology has enabled us to realize an environmentally-friendly power-seawater desalination-salt production model. This helps us to minimize our environmental footprint while reducing our costs. We are proud of this world-class design and believe that it will serve as a model for other power plants throughout the world."

Footprint, what type of footprint? Then IDE/SDIC claims "minimize(ing) our environmental footprint"? Would it not be ethical for both to openly state that the Tianjin desalination plant is powered by coal? Perhaps IDE/SDIC should review Attachment 8 and its embedded video.

Conclusions:

The three megatrends focused on in this attachment:

1. Drastic near-term increases in the fuel efficiency mandated for the light transportation fleet. This fleet includes passenger cars and light trucks.
2. The electrification of the light transportation fleet.
3. The desalination of ocean and sea water for a reliable source of clean potable water.

are most efficiently, reliably and safely accommodated by a coordinated energy plan involving modern nuclear power.



One of the most important contributions of Megatrend #3, and of a plan that includes modern nuclear power, is the sustaining effect of having potable water made reliably available in arid and/or drought stricken regions. The Carlsbad, California facility is highlighted above as a modern forward-looking approach, but such is not the only example of benefits to large scale desalination.

In current affairs, rather than deploying the "regime change game" in Syria (ala The Grand Chessboard of Zbigniew Brzezinska), a better plan would have been to subvert the dire consequences the drought has had on Syrian farmers, and its refugees. Even Prince Charles managed to fumble his way into the consequences of the drought on Syria, but rather than "subduing Her," His Majesty decided that reducing everyone else's "carbon footprint" is the proper choice (ala his mentor Thomas Malthus and the latter's protégé the backward looking climate bolsheviks). Charles goes so far as to bring up the Pentagon in his "solution" for Syria: <https://vimeo.com/150787043>

It is possible that a properly executed subpoena served upon defendant Exxon-Mobil would produce files that contain studies that arrive at or support these conclusions.

September 27 1983

Dept. #K2740
Loc. Code: 5061
Payroll Code: 5131

ADVANCED CAR, BUSINESS AND POWERTRAIN PLANNING DIRECTOR	
Rm 3030	41470
J. D. DONALDSON	

Denise Cwik

POWERTRAIN PLANNING MANAGER	
Rm 3102	30745
M. J. BERNIA (Mel)	

Barb Vicary-Sec.

CAFE, CERT., F.M. AND ELECTRONICS PLANNING MANAGER	
TBD	

ADVANCED PROGRAMS & BUSINESS PLANNING MANAGER	
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R. L. LANDGRAFF (Dick)	

Elaine J. Moore-Sec.

TRANSMISSION PLANNING MANAGER	
Rm 3170	34640
BOB (R.) W. HARRIS	

Carol Richardson-Sec.

Paul V. Sheridan 33985
(Rm 3129)

TBD

Tom A. Smart 79142

CAR BUSINESS & PRODUCT STRATEGY PLANNING MANAGER	
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Dick (R.) G. Morrisett - 79756
Larry L. Schey - 43017
John F. Wolkonowicz - 79135

6/8 CYLINDER ENGINE PLANNING MANAGER	
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RICH L. PETTIT	

Madeline C. Merdianian-Sec.
Terry P. Jain - 76516
John M. Warren - 76512
Al D. Almon - ~~33985~~ (T)

33390

ADVANCED VEHICLE PLANNING MANAGER	
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Lana K. Simpson-Sec.
John S. Dallas - 33373
Tom J. Hughes - 30758
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J. Craig Bonk - 75215

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Jim F. Rafferty - 40649
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K. S. Mack

SOUTHWEST RESEARCH INSTITUTE

6220 CULEBRA ROAD • POST OFFICE DRAWER 28510 • SAN ANTONIO, TEXAS, USA 78228-0510 • (512) 684-5111 • TELEX 244846

ENGINE AND VEHICLE RESEARCH DIVISION
TELECOPIER: 512/522-2019

13 July 1990

Mr. Paul V. Sheridan
Chrysler Corp.
Code 514-17-15
14250 Plymouth Road
Detroit, MI 48232

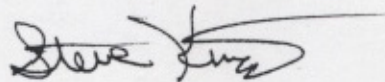
Subject: Information on Gas Engine Technology Project

Dear Mr. Sheridan:

Enclosed is information on the Gas Engine Technology Advancements project being conducted at Southwest Research Institute for the Gas Research Institute. Your name has been added to the mailing list to receive future releases and information concerning this project. The gas engine workshop is scheduled for September 27 and 28. We will send you more information as it becomes available.

Thank you for your interest.

Sincerely,



Steven R. King
Group Leader
Gas Engine Technology
Department of Engine Research

/jg

Enclosure



SAN ANTONIO, TEXAS
DALLAS / FT. WORTH, TEXAS • HOUSTON, TEXAS • DETROIT, MICHIGAN • WASHINGTON, DC

MEETING NOTICE

DAY: Wednesday, June 12, 1991

TIME: 10:00 a.m.
(Duration 1 ½-2 hours)

PLACE: WPC Information Center Conference Room

SUBJECT: GENERAL REVIEW OF CURRENT DEVELOPMENTS IN
NATURAL GAS VEHICLES

INVITEES:

Harold L. Barton	460-01-00	948-3600
Robert L. Davis	418-04-07	956-0047
Arnold J. Dejong	418-31-15	956-3952
Thomas E. Edson	418-12-34	956-0204
Thomas B. Gage	415-04-07	956-0790
Richard O. Geiss	514-17-15	493-2309
Joseph F. Goulart	550-00-00	523-2700
Robert J. Holdreith	418-36-36	956-4453
Thomas L. Kizer	463-00-00	583-5210
Douglas D. Teague	418-35-23	956-4968
Warren C. Tiaht	460-01-00	948-3630
Richard A. Winter	414-01-21	956-1731

PURPOSE: The purpose of this meeting is to provide a forum for representatives of the Natural Gas Vehicle Coalition (of the American Gas Association) to update key members of Chrysler on the overall status of NGV programs. Discussion will include vehicle-specific issues such as emissions, fuel economy, range, packaging, engine system modification, etc. General issues such as the Clean Air Act Amendment of 1990, public sector support, fleet sales implications, O.E.M. programs funding, Coalition membership, etc., will also be discussed. (Although an emphasis will be placed on the implications for the AS/NS-Body [minivan], a general participation/discussion is encouraged.)

CALLED BY: Paul V. Sheridan 415-03-19 956-6318

MEETING NOTICE

DAY: Friday, September 20, 1991

TIME: 10:00 a.m.
(Duration 1 ½-2 hours)

PLACE: WPC Information Center Conference Room

SUBJECT: GENERAL PRODUCT AND MARKET RESEARCH
PRESENTATION ON NATURAL GAS VEHICLES

INVITEES:

Harold L. Barton	460-01-00	948-3600
David P. Bostwick	414-03-45	956-5201
Robert L. Davis	418-04-07	956-0047
Arnold J. Dejong	418-31-15	956-3952
Thomas E. Edson	418-12-34	956-0204
Thomas B. Gage	415-04-07	956-0790
Richard O. Geiss	514-17-15	493-2309
Joseph F. Goulart	550-00-00	523-2700
Robert J. Holdreith	418-36-36	956-4453
James C. Lanigan	232-02-48	519-973-2715
Dennis C. Malecki	415-03-19	956-4560
Douglas D. Teague	418-35-23	956-4968
Warren C. Tiaht	460-01-00	948-3630

PURPOSE: Provide a forum for the Natural Gas Vehicle Coalition (NGVC) to respond to Chrysler's request (Attachment I) for information ranging from NGV market data to additional details on existing and future CNG-prepped vehicle configurations/specifications. An update on NGVC's legislative prognosis relating to CNG vehicles is also expected. This is a follow-up to the June 12, 1991 meeting (Attachment II).

CALLED BY: Paul V. Sheridan 415-03-19 956-6318

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Attachments

Chrysler to sell natural-gas minivans, pickups

JOSEPH BOHN; Staff Reporter

03/01/1993

Automotive News

(Copyright 1993 Crain Communications Inc.)

AUBURN HILLS, Mich. -

Chrysler Corp. will offer natural-gas-powered minivans in January.

The company also plans a natural-gas version of its new Dodge Ram pickup in the 1997 model year, according to Richard Geiss, executive engineer of engine systems in Jeep/truck engineering.

Chrysler has been building natural-gas vehicles for a year. It has produced about 1,000 natural-gas-powered full-sized Ram vans.

About 30,000 natural-gas vehicles are on the road, according to Stephen Ban, president and chief executive officer of the Gas Research Institute in Chicago.

Federal and state clean-air requirements are expected to swell the total to more than 1 million vehicles by the end of the decade and to 4.7 million by 2010, Ban said.

The Energy Policy Act requires federal fleets to begin buying alternative-fuel vehicles this year. In the 1996 model year, state fleets and alternative-fuel providers must begin buying them. And the law may require private and municipal fleets to buy alternative-fuel vehicles as early as the 1999 model year, according to Ban.

The Clean Air Act amendments of 1990 require fleets of 10 or more vehicles operating in 21 urban centers to buy a percentage of alternative fuel vehicles beginning in 1998. And bus operators are buying natural gas-powered buses to meet more stringent 1993 emissions requirements.

Chrysler's full-sized vans are priced about \$4,500 higher than comparable gasoline-engine models - but federal and state tax incentives wipe out most of that difference, Ban said.

Chris Theodore, Chrysler general manager of **minivan** platform engineering, said he does not expect that large a price gap on the natural-gas minivans.

Chrysler officials said market demand will dictate how many natural-gas minivans will be built.

Theodore said customers called the full-sized natural gas vans a little too big, so the **minivan** "was the next obvious choice.

"We're laying seeds for the future," **Theodore** said.

"We have the incentive to build ultra-low-emissions vehicles for California," he added.

California state law requires that 2 percent of a manufacturer's sales to be zero-emissions vehicles beginning in 1998. That threshold limit increases to 10 percent by 2003.

The California Air Resources Board certified Dodge's full-sized natural-gas van as the cleanest truck engine in the state and as capable of meeting its 1998 standards. Chrysler plans to further reduce emissions of its natural-gas vans.

Chrysler and gas industry officials hope with further emission reductions California will let natural gas-powered vehicles be used toward meeting the zero-emissions requirement.

ATTACHMENT 10

16 January 2016

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The Prophecy Game : Taking Credit for Natural and Expected Outcomes

The Fraud of the United Nations 'Conference of the Parties – COP-21

3 Pages

The Prophecy Game : Taking Credit for Natural and Expected Outcomes

The Fraud of the United Nations ‘Conference of the Parties – COP-21

One of the most fundamental operatives of self-alleging that you are a prophet, or a member of a group that makes such a self-serving claim, is to ensure that your prophecies have the appearance of being fulfilled!

This imperative ranges from The Samson Option and the prophecies of Armageddon, to the notion that the 2015 COP-21 meeting in Paris, France will result in true environmental protection.

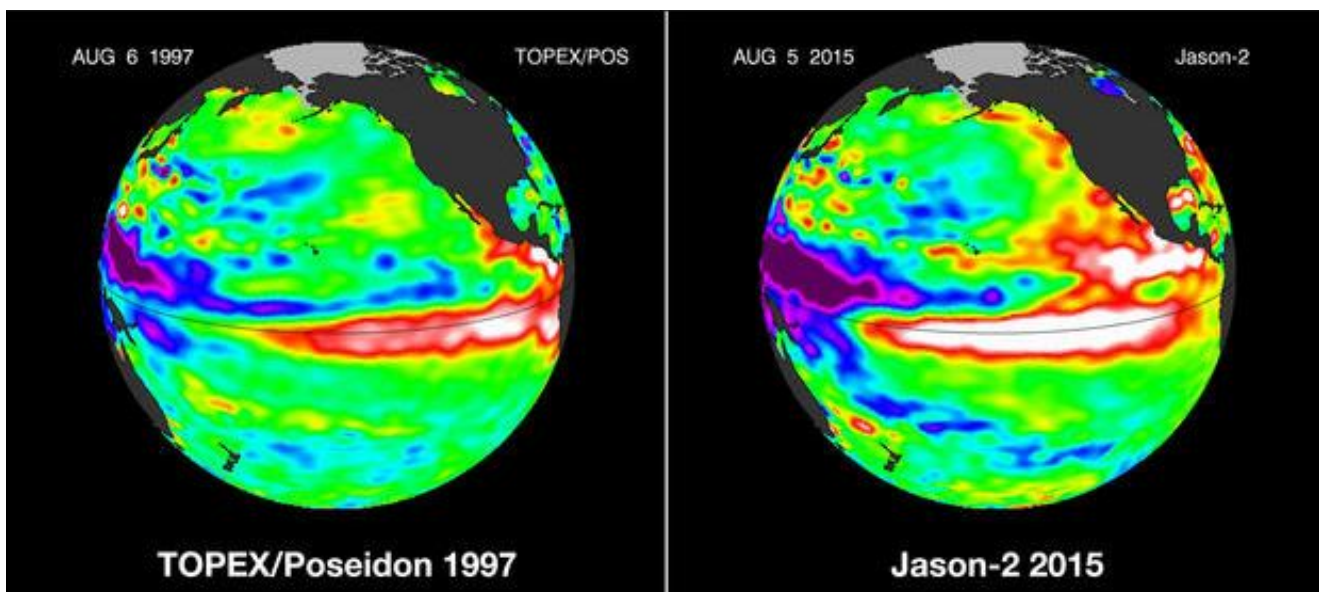


In the case of Armageddon we have Professor Martin Levi van Creveld of Tel Aviv University in Israel who has detailed the essence of The Samson Option:

“We possess several hundred atomic warheads and rockets and can launch them at targets in all directions, perhaps even at Rome. Most European capitals are targets for our air force. Our armed forces, however, are not the thirtieth strongest in the world, but rather the second or third. We have the capability to take the world down with us. And I can assure you that that will happen before Israel goes under.”

Although his input was not sought at COP-21, **regarding the relationship between the detonation of Israel’s nuclear war heads and “global warming,”** it is apparent that the ploy of van Creveld and his ilk would subsequently lay claim to the entire Armageddon affair as a prophecy fulfilled; a sort of, ‘*See I told you that we were prophetic!*’ Such is the prophecy game . . .

Regarding the AGW shenanigans in Paris, we have the following reality: It is well known that Earth is in a cooling phase, expected to last 100 years or more. That this cooling phase will be utterly unaffected and unmitigated by any ongoing increases in atmospheric carbon dioxide, and that this global cooling is driven by the upcoming and highly correlated (to global climate) activities of the Sun and Earth based phenomenon such as El Niño. On December 31, 2015 NASA used the term "Godzilla El Niño " when assessing upcoming global weather patterns:



Prophets like van Creveld will be happy to know that the Spanish term El Niño means “Christ child.”



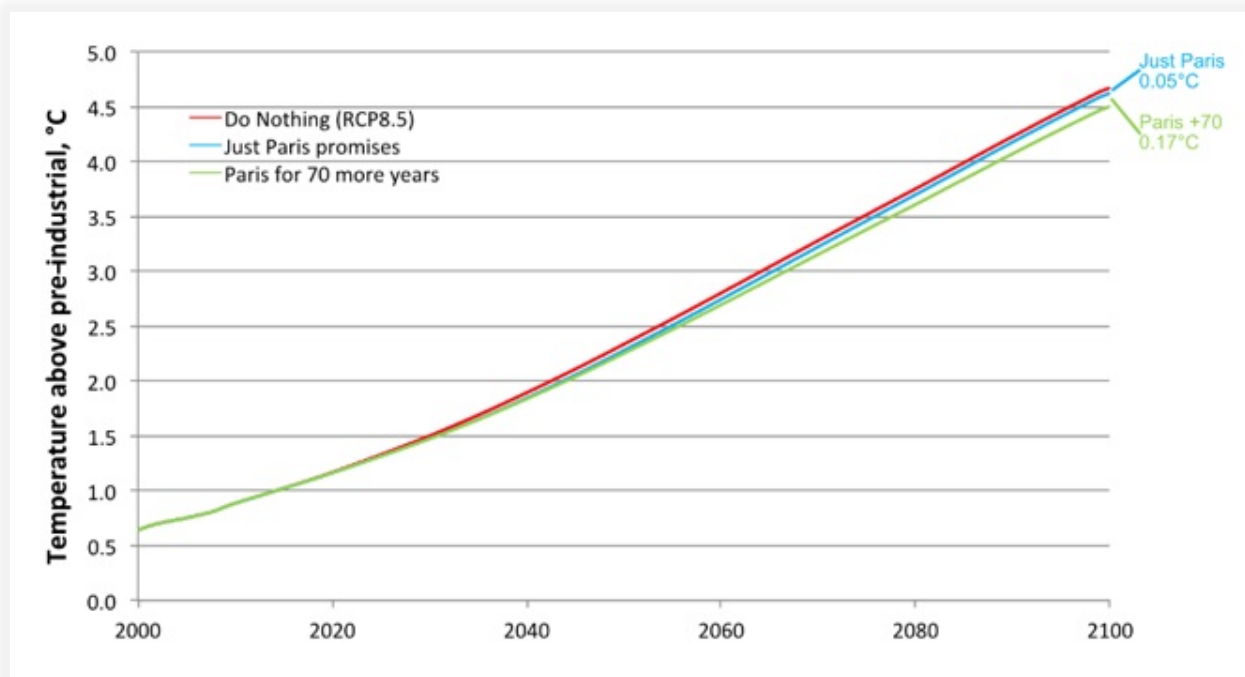
But we can all rest-assured that the enormous heat energy that created the Jason-2 image of August 5, 2015 above was not generated by carbon dioxide sourced to human activity.

The CBS Evening News report on the current El Niño:

<https://vimeo.com/150492884>

Now regarding the Prophecy Game about to be played by the United Nations' IPCC, as consummated at COP-21, we look to a group of representatives of nations who offered to protect the world from a climate Armageddon with a fancy sounding promise: Intended Nationally Determined Contributions or INDCs.

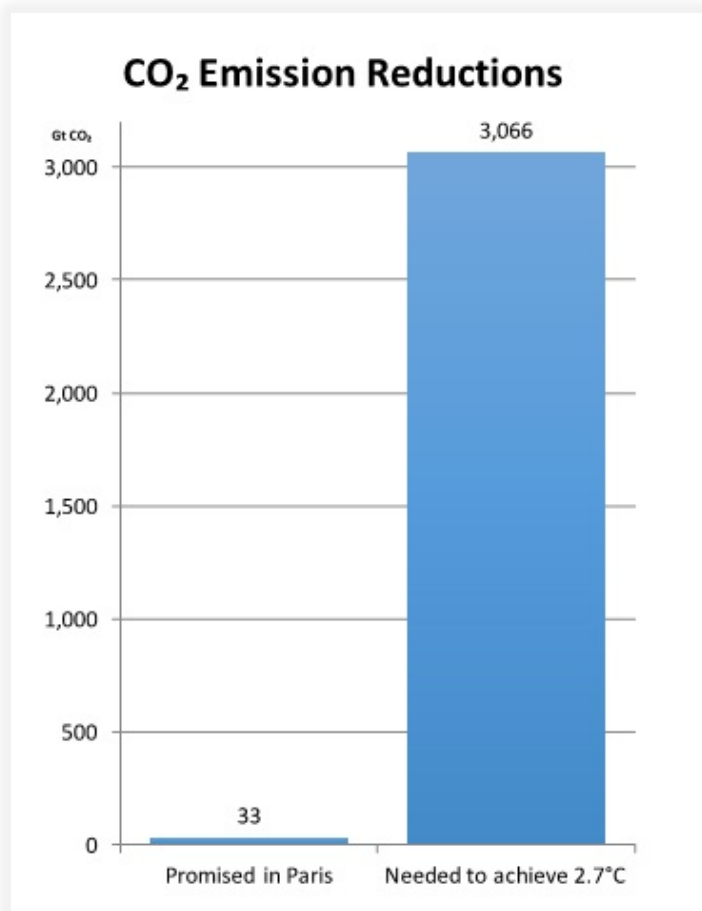
To understand the following graph, interpret the ordinate to read:
Temperature Increase above Pre-Industrial, °Celsius



Note that the Paris INDCs are only committed through 2030. Regarding an extension to the year 2100, a peer-reviewed paper by Dr. Bjorn Lomborg published in the Global Policy Journal states:

“ Even if we assume that these promises would be extended for another 70 years, there is still little impact: If every nation fulfills every promise by 2030, and continues to fulfill these promises faithfully until the end of the century, and there is no ‘CO₂ leakage’ to non-committed nations, the entirety of the Paris promises will reduce temperature rises by just 0.17°C (0.306°F) by 2100 .”

This analysis is extremely optimistic, not to mention out-rightly presumptuous! Dr. Lomborg presumes we believe in the AGW dogma that atmospheric CO₂ is positively correlated to global temperature, despite hard evidence proving otherwise. But further, this graph is based on runs of the MAGICC computer climate model, which has been used by all five IPCC assessment reports, and proven to be utterly worthless at the imperatives of prophecy: Having fulfilled its prophetic value!



Another Lomborg chart shows a comparison to what was promised by the INDC versus what he claims is needed to “limit” the increase in future global temperatures. At the promised level of reducing CO₂ by 33 gigatons, the MAGICC video games prophesize a maximum increase in temperature of 0.05°C by 2030.

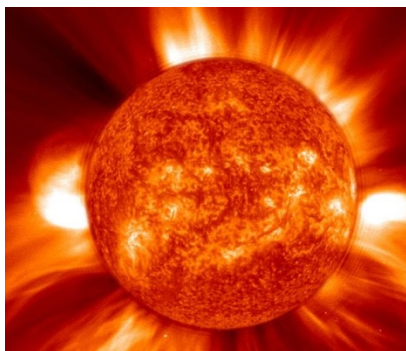
But the CO₂ reduction promise needed to achieve a maximum temperature increase of 2.7°C by 2030 is almost 3.1 teratons (!).

In his paper, allegedly peer-reviewed, Lomborg parrots the term “fossil fuels.” In the context of Attachments 1, 2, 3 and 4 above, especially the calculation on page 2 of Attachment 2, do these reviewers have any idea what they are talking about? Not only a matter of competence, but as a matter of integrity, do any of them consider backing up into the number of dinosaurs needed to source 3.1 teratons of “fossil fuels” based CO₂?

One more point before we return to the Prophecy Game and COP-21: The 33 gigaton CO₂ reduction promise made in Paris is projected to cost the global economy about 1 trillion dollars per year during the fifteen years through 2030; that’s 15 trillion dollars for a

claimed reduction in global temperatures of 0.05°Celsius. So, by the year 2030, the signature nations to the COP-11 INDC will have implemented, in behalf of their respective tax payers, an expenditure of \$300,000,000,000,000 for one degree of alleged reduction in what is still merely an alleged increase in future global temperatures. **And this is an optimistic ratio.** Dr. Lomborg states; his words not mine:

“Paris is being sold as the summit where we can help ‘heal the planet’ and ‘save the world.’ It is no such thing. If all nations keep all their promises, temperatures will be cut by just 0.05°C (0.09°F) . . . The agreement reached in Paris contains promises that, if enacted between now and the target date of 2030, will cost the global economy at least \$1 trillion dollars a year – and possibly twice as much if politicians make inefficient policy choices. This makes the agreement the costliest in history.”



Returning to the Prophecy Game and COP-21 . . . assuming that Professor van Creveld and his ilk is not allowed to implement their “global warming,” we can expect Earth to continue its current cool-down phase, especially as predicted by the ESA/NASA Solar and Heliospheric Observatory (SOHO). That is, none of the INDC promises will have any true effect on global temperatures. However, in the context of the most fundamental operative of alleging that you are a prophet; that of fulfillment, the IPCC, their COP-21 signatories and climate bolsheviks world-wide **will all claim credit for the expected global cooling** (celebrating such in the year 2030, when the INDCs expire) !

Such is the Prophecy Game . . . one that has been played for several thousand years. Although just another example of the Prophecy Game, COP-21 will be the most expensive in human history.

End of Document

16 January 2016

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Subject: "Climate Denialism" Laws with Mandatory Prison Terms

Reference 1: Your Interview with Judy Woodruff on PBS News Hour – 10 November 2015

Reference 2: Conference of Parties (COP-21) United Nations Framework Convention on Climate Change (UNFCCC), Paris, France, November 30 thru December 11 2015