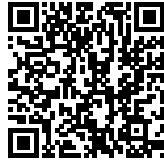




# EVIDENCE - CO2 IS NOT A GREENHOUSE GAS

*Posted on November 1, 2019 by Geraint Hughes*



I believe that it is very important – in fact, the most important thing for all citizens – to know and understand that they are indeed being deceived and manipulated by the state and state actors (climate activists, left wing educators, mainstream media, etc.) into believing untruths.

It is not a conspiracy theory, it is real. There is a wide-spread deliberate deception being imposed upon the people of the world to force them to spend money, to pay taxes – all in exchange for nothing. Then be worried sick and ridden with guilt about “destroying the planet.”

Believe me, they are laughing at you. They are mocking you, and they are making a mint in the process. This is not a joke. We all need to look around and take it in. This is indeed what is happening.

People with integrity need to stand up, be counted and have the courage and will to speak the truth. They need to speak the truth, and also demonstrate the truth. For you will face the accusation, as I have, of ...“what do you know. I have a PhD. I am an expert. I know better, so shut up and believe me, DENIER!!!!.” To which they have now also added. “It’s the law! So, pay me my CO<sub>2</sub> taxes, peasant.” They are sick – every last one of these tricksters.

The fact that I am a qualified professional, with decades of experience, building some of the most technically complex buildings imaginable, is neither here nor there. I am brushed off like a fool; as we all are. We are all being taken for fools. We are having the wool pulled over our eyes. We all need to wake up to that fact and do something about it.

To this end I have conducted several experiments, so that I can demonstrate to people, live if necessary, that fake climate alarmist scientists are teaching lies, plain and simple. An entire industry is living like a horde of parasites on the back of a whale – and we the people are that whale.

Wow, some claim, I am sure some of you may be thinking.

So, let's delve, briefly into my experiments, which can be found on YouTube. There will, of course, be more.

## **Experiment**

### **1 - CO<sub>2</sub> Cause's Lighting Incandescent Filaments to Dim**

If we were to believe the lies that Carbon Dioxide is the cause of global warming, via its mechanism of back radiation, then adding CO<sub>2</sub> gas to a vacuum chamber, which within contains a tungsten filament, should cause the temperature of the filament to rise.

An electrically heated straight tungsten filament contained within a vintage vacuum bulb glows brightly at approximately 2000K. It emits some of its radiation in the IR wave bands which CO<sub>2</sub> most strongly absorbs and so it would be expected that any back-radiant heating effect would be maximal and self-evident. Unfortunately, as we will see later, it is not.

This can be seen in the CO<sub>2</sub> spectral absorption graph, where its absorbance in 4 to 5 micron wavelength (light bulb spectra) is far in excess of the strength of its absorption in the 14 to 16 micron wavelengths (more earth Spectra).

### **Spectral Graph of absorption and emission of CO<sub>2</sub>**



Many people do not know that CO<sub>2</sub> absorbs strongly in the shortwave IR part of the spectrum. This is one of the reasons that the CO<sub>2</sub> gas in a bottle experiment is misleading, because the CO<sub>2</sub> gas in the bottle is absorbing radiation, DIRECTLY emitted from the light bulb, in a wavelength, which the Earth just does not emit, because it is far too cool to do so. I elaborate on this in my book, [\*Black Dragon: Breaking the Frizzle Frazzle of the Big Lie of Climate Change Science\*](#). There are other reasons as to why

that experiment and others like are it misleading. Back irradiance from a gas as a form of heat induction is just plain wrong, as I can show.

Therefore, we would expect the CO<sub>2</sub> to absorb well this radiation being emitted, by the filament, be warmed by it, send the IR back to the filament, which would in turn become hotter and then glow more brightly as a result.

So, how to go about proving if this back radiant effect is all powerful, or if in fact, other far more dominant factors are at play. What perhaps is actually occurring?

To this end, I have had constructed the twin vacuum chamber, portable comparison experiment, so that I can compare two different states of heat loss with each other and show this effect live, if necessary.

The schematic of the experiment is shown below, along with a picture of it.

### **Filament Cooling Experiment Schematic**



I may in future, make single chambers, as those are more affordable, lighter, easier to use and far more portable. Everyone, who wants to fight back against the lies of the alarmists, should have one of these. Alarmists cannot argue against it, without making themselves sound like the idiots that they are. And believe me, they do try.

Briefly, you can see that this arrangement allows me to evacuate two chambers, so I can make a comparison between two straight tungsten filaments, one in a vacuum and the other with a gas added.

## Filament Cooling Experiment Photograph



To see the experiment in action and an explanation of how it works, [click this link](#).

I conducted several different comparisons to record the differences between the two, which can be seen in this video. The main comparisons are between the Vacuum bulb and the filament in carbon dioxide from 0 Bar and 0.7 Bar.

This is the picture of the filament at 0 Bar, a Vacuum.

### Freeze

#### Frame Exposed Tungsten Elements in a Vacuum 0.0 Bar – Bright



You can see this is equally bright across the entire length of the filament – i.e., the filament is clearly very bright. It is bright top, middle and bottom.

So, what happens if I add a small amount of Carbon Dioxide to the filament? Are the filament surfaces “globally warmed” by the CO<sup>2</sup> thus experiencing an increase in temperature as a result of back radiation, as all the experts say it would do?

Well, actually, no. No such warming occurs. To think it could, is actually quite silly. That is what an ignorant child, who can be brainwashed by deceptive agenda-ridden teachers, could be misled into believing. Just as people are misled into believing CO<sub>2</sub> causes surface temperatures and ocean temperatures worldwide to rise.

## Freeze

### Frame of Exposed Tungsten Elements in a CO<sup>2</sup> Gas 0.7 Bar – DIM!!!



The comparison is stark and evident, isn't it? It is noticeably far less bright.

At 0.7 Bar CO<sup>2</sup> it can be seen that the bottom is now not even glowing at all, with the middle dimmed visibly to a faint red glow, and the top glowing much less bright. The thinness of the filament is more evident. In the first picture, the filaments look thick because of the brightness of the light. The filaments are approximately 0.005mm thick.

So, we can concretely say that the addition of CO<sub>2</sub> gas had no “heating effect” on the filaments at all. The cooling effect, however, on the filament is entirely evident. The cooling and convective effect could **never** be overcome by an IR emissive gas, even **if we pretended** to ourselves that the tiny amount of back radiance did cause some sort of heating.

From a radiation steady-state-temperature point of view, the effective surface area for cooling of the filament cage has increased. There are millions upon millions of molecules in this chamber and this energy is now being spread among them; whereas previously this was not the case.

As the gas is emissive, the molecules would be emitting the radiation in all directions. In effect, creating a filament/gas body which has a larger number of molecules and therefore a larger surface area for emissive cooling, compared to just the filament on its own.

This increase in 3-dimensional surface area for cooling could never be overcome by an IR gas, no matter how many thousand times more powerful, as supposed greenhouse gas, it was. The addition of the IR effects of the gas could never overcome conduction cooling losses, convective cooling losses, or the increase in radiation losses due to having a larger 3D emissive area for cooling.

It is an idiotic thing to even think it could, yet this is the kind of idiotic backward thinking, twaddle talking alarmists expect everyone to believe. Correction, **FORCE** everyone to believe. In short, they are all a bunch of brown-shirts, whether they know it or not.

Increasing the current would make the filament hotter, adding Trillions and Trillions of CO<sub>2</sub> gas molecules, which could never replicate that increase.

Any country which has a CO<sub>2</sub> reduction law, a carbon-pricing mechanism, CO<sub>2</sub> taxes of any kind, Carbon Levies, or pays subsidies to fake CO<sub>2</sub> offsetting companies, and so on and so forth, is imposing LIES.

Why wouldn't an untrustworthy government do such a thing? Of course, they would. To have the chance to take someone's money and have nothing to give back in return is a dream for them.

I actually sent letters to many politicians, mainstream television media outlets and radio news stations in the UK. None of them brought this information to the public. Why would they? They are raking in money from the scam. Why would they want to stop the money flood? It was only [Principia Scientific International](#) and now also [the Postil](#), who were willing to publish such news. They have the guts to stand up – so should we all.

Here is a final comparison from this experiment, zoomed out so you can see both. The difference is obvious to all. The left is with a vacuum the right is with CO<sub>2</sub> inside at 0.7 Bar. This is an **indisputable fact**. Yet I have actually had many politicians and fake alarmists dispute it. That on its own tells you all you need to know. They are desperate to ignore the truth and cling to their lies.



## Experiment

## No 2 - Temperature Test Comparisons Small Chambers

I received hundreds of troll comments, most of which I deleted; some claiming to be professors, experts at NASA, and all sorts of nonsense. Whether they were true or not, I have no idea.

Although some from their links did seem genuine in their claims of expertise, but what they were claiming was not. I received the same sort of nonsense claims from politicians also, as I have been sending out letters telling them, they need to repeal CO2 tax laws, and that the "Climate Crisis" is nothing but a lie.

Their crazy claims ranged from, "You didn't leave it on long enough for the tipping point to occur," to "The base is shiny. It's affecting the experiment," to even, "Light bulbs don't emit IR!" (Yep, the alarmists trolls will lie pathologically like this.)

But we all know – many politicians are nothing but cowards.

What you see, in the comparison picture above, is the truth. Nothing can change that.

We all need to be brave and understand we are being lied to. That's right, kiddies, Santa is not real.

In order to further progress my claim and provide further evidence that we are being lied to, I have conducted a series of temperature tests, again using light bulbs and my vacuum chamber, some gases and a thermometer.

What I did, is that I performed some simple comparisons. In these smaller chambers, I placed a thermometer against the surface of the bulb, to measure the surface bulb temperature and then left it



there with a camera watching it, to record the temperature. I evacuated the chamber and performed a baseline comparison with the bulb in a vacuum.

I then performed a comparison with Argon and another with CO<sub>2</sub>. The results were not surprising to me, but they do surprise every climate alarmist, or anyone who has been fooled into believing them. When I ask, they all expect CO<sub>2</sub> to be the hottest. Why wouldn't people think this?

They have in some instances grown up, being force-fed the lies that CO<sub>2</sub> is a "greenhouse gas" which "induces warming," via the fake mechanism of "back irradiance." They think this is the gospel truth. It is not. It is Satan's lies, and the alarmist preachers are nothing but false prophets and con-artists disguised as saviours.

The results of the comparisons are below. These [too](#) [can all be seen on YouTube](#) as I uploaded them. They are not entertaining to watch; [they are there to show proof](#). They are there so you can all see the truth.



To help understand the tables – RT (Room Temperature) indicates the temperature which a free-standing digital temperature probe indicated to be the room-temperature. The starting temperature was indicated on the digital probe inside the vacuum chamber, as I activated the light.

This probe touches the side of the bulb, and it reads the highest temperature, which is the bulb glass. This is not perfect; and, in due course, I will get better thermometers. But this is sufficient to show that the concept of gaseous back radiant induced heating just doesn't work.

In each instance, the chamber was evacuated first, pressurised and then the light activated.

In the first test, I used a Vintage Squirrel Cage bulb, and pressurised the gases to 0.5 Bar. In the second test, I used a Spiral Vintage bulb, and pressurised the gases to 0.6 Bar. The result is similar in both instances. (My squirrel cage bulb blew L)

You can see here that in both tests, the bulb surface temperatures were cooler than in the vacuum, than with CO<sub>2</sub> added. In the first test, after 20 minutes, the Vacuum achieved a maximum temperature of 69.1, and in the second test 63.6. CO<sub>2</sub> on the other hand achieved a maximum temperature of 63.3 and 59.2 with the different bulbs respectively, which was amazingly, COOLER!

The addition of CO<sub>2</sub> gas had no warming effect, only a cooling one. And when I compared Argon to CO<sub>2</sub>, I found that Argon resulted in **warmer** conditions and **faster** temperature rises than CO<sub>2</sub>, despite the fact that Argon is not a "Greenhouse Gas," which is actually fake and misleading terminology.

Now amazingly, I still had troll comments about these tests too. One of the most common troll comments was that my experiment was too small and that I should use a much taller tower in order to get more back radiance from the CO<sub>2</sub>.

Yes, this really is how ignorant some people are. They will say anything and grasp at whatever silly straw they can, to hold onto their lies. They are in effect "pathological." They are not scientists. They aren't being reasonable. They are suffering mental health issues. They are in denial; and thus, they are the Deniers. Deniers, who refuse to acknowledge the truth, even when they see it.

## **Experiment**

### **No 3 – Tall Tower Chamber**

But I wanted to see if they were right or wrong. I got a chamber which was 2.6 times the height of the smaller chambers – just

to see what happens. Would I be proved wrong?  
Would the extra CO<sub>2</sub> induce more back radiance, like all the fakexperts predict?

The results are in the table below:



These can all be seen [here](#).

The difference is stark, obvious, undeniable and indisputable. This is how it is.

The difference between how a greenhouse works and the lies being preached by deceivers in schools, colleges and universities looks as stark as this:

### **The Lies They Teach**



### **What Truth Looks Like:**



This and so much more is [elaborated upon in my book](#). Everyone, everywhere needs to arm themselves with as much knowledge that they can get their hands on, against the deceivers of the state, to repel their lies and take direct action against them.

The climate of corruption, around the money-flood, which fake activism has instigated, has corroded all forms of government, especially democracy. The pernicious deceit and lies need to be purged out of all corners of society.

Any scientist who tells you CO<sub>2</sub> induces GMST to rise is nothing but a charlatan, a two-bit actor reading out his lines and playing a part in an act designed to con you.

CO<sub>2</sub> does not act like an insulating blanket. It does not induce warming of the surface, which means that the radiation greenhouse effect and all its preachers are just pure pompous ridiculous self-serving fraudsters and fools.

I have more experiments in the works and I will broadcast the results of those when they are completed.

It is clear that "True Science" is being denied us and our children by the state which we have entrusted to look after, and educate, us. We all now know that we need to take that power back and demand that the lies stop, and we need to throw the faker politicians out of power.

I would even go as far as jail the ringleaders and fine any organisation found to be engaging in such despicable deceptions and frauds. Oh, and if the silly cry-baby climate protesters don't like that, they can face the water cannons; and I'm pretty sure those crusty sensitive snowflakes will find jail enjoyable too. It's what they deserve.

Geraint Hughes is the author of [\*Black Dragon: Breaking the Frizzle Frazzle of the Big Lie of Climate Change Science\*](#).

The [\*photo\*](#) shows, "Sunburst in the Mountains," by Caspar David Friedrich.

