

To persist, as the IPCC, politicians, government paid 'scientists' and many journalists do, in upholding a theory contrary to all the data is and will be extremely expensive as well as being totally disastrous.

In the real world, any person who denies reality but lives in a fantasy world of his own creation is usually locked up to protect society - and that person - from harm.

Warmist propagandists have already done immense harm. Just a small example: the Met Office, believing as it does in man-made global warming, told local governments in the UK that this last winter (2009/2010) was going to be mild and so there was no need to keep large stockpiles of salt. Despite far more accurate predictions (from Weather Action*) that the winter was going to be severe, the Met Office insisted it was right. The result was many more deaths and injuries due to accidents on the unsalted roads and pavements.

This brief pamphlet draws from the work of Alan Siddons, a radiochemist, Hans Schreuder, an analytical chemist and a member of Mensa, a paper in the IJMP - *Falsification of the Atmospheric CO₂ Greenhouse Effects within the Frame of Physics*, by Prof. G.Gerlich and Dr R.D. Tscheuschner and *The Greenhouse Effect: Origins, Falsification, and Replacement*, by Timothy Casey B.Sc. (Hons.) Consulting Geologist.

Philip Foster MA (Nat. Sci.), an initiator of the *Copenhagen Climate Challenge*, in Dec 2009

Some books and websites

While the Earth Endures: Creation, Cosmology and Climate Change, by Philip Foster, foreword by Prof. David Bellamy OBE. SMP Ltd, 2009.

Climategate: the CRUtape letters by Steven Mosher and Thomas Fuller, published in the UK by SMP Ltd, 2010.

www.copenhagencimatechallenge.org

www.nzclimatescience.net

www.wattsupwiththat.com

www.ilovemycarbon dioxide.com

www.climate-sense.com

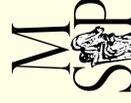
*www.weatheraction.com



SMP Ltd, 1 Barnfield, Common Lane
Hemingford Abbots, Huntingdon PE 28 9AX

tel: **01480 399098**

Email pf.smp@dtal.papex.com



The Death of the Greenhouse Hypothesis (b1824 - d1909)

"Therefore everyone who hears these words of mine and puts them into practice is like a wise man who built his house on the rock. The rain came down, the streams rose, and the winds blew and beat against that house; yet it did not fall, because it had its foundation on the rock. But everyone who hears these words of mine and does not put them into practice is like a foolish man who built his house on sand. The rain came down, the streams rose, and the winds blew and beat against that house, and it fell with a great crash." Matthew 7:24-27

There is no doubt that the belief in man-made climate change through the impact of so-called 'greenhouse' gases - carbon dioxide [CO₂] methane [CH₄] water vapour [H₂O] ozone [O₃] and nitrous oxide [N₂O] has produced an enormous edifice which has financial, political, philosophical and even religious aspects. But is it built on rock or sand?

It is vital to understand that this huge superstructure depends entirely on the belief in the *greenhouse hypothesis*. If that is shown to be false, then everything else completely collapses.

The greenhouse hypothesis

As its name suggests this hypothesis tries to explain a well known phenomenon. The air inside a glass greenhouse can maintain a much higher temperature than the surrounding atmosphere - though this difference depends on their being a reasonable amount of direct sunlight. We have all experienced this in our cars when they have been left standing in the sun - the inside surfaces become very hot, even too hot to touch - and the air also becomes very warm indeed.

The hypothesis is a very old one. Glass, as it happens, is opaque to some radiation in the infrared [IR] part of the spectrum - the part we can call 'heat radiation'. Direct sunlight passes through the glass, losing a little of the infrared on the way in. The sun's radiation is absorbed by the ground in the greenhouse, where it is re-emitted by the ground in the lower

frequencies of the infrared. The glass traps these rays and re-emits them into the greenhouse, stoking up the heat. It is sometimes referred to as a radiation trap.

Two key things to note:

1. It is assumed that nearly all the sun's radiation (such as light) is turned into heat radiation at the ground - called a transformation of wavelength.
2. That the IR radiated back by the glass further warms the ground and therefore the air inside the greenhouse.

This is what physics teachers and textbooks have taught for more than a century and so it is considered an established fact.

Although the hypothesis goes back to 1824 (Fourier), hardly anyone has tested the hypothesis by doing any experiments. But a hundred years ago, one man did. Prof R.W.Wood was doubtful about the hypothesis. Here are his notes on his thoughts and his subsequent experiment.

Note on the Theory of the Greenhouse

by Professor R. W. Wood, 1909.

There appears to be a widespread belief that the comparatively high temperature produced within a closed space covered with glass, and exposed to solar radiation, results from a transformation of wave-length, that is, that the heat waves from the sun, which are able to penetrate the glass, fall upon the walls of the enclosure and raise its temperature: the heat energy is re-emitted by the walls in the form of much longer waves, which are unable to penetrate the glass, the greenhouse acting as a radiation trap.

I have always felt some doubt as to whether this action played any very large part in the elevation of temperature. It appeared much more probable that the part played by the glass was the prevention of the escape of the warm air heated by the ground within the enclosure. If we open the doors of a greenhouse on a cold and windy day, the trapping of radiation appears to lose much of its efficacy. As a matter of fact I am of the opinion that a greenhouse made of a glass transparent to waves of

6. Why both the Arctic and Antarctic have refused to go on melting.
7. Why increased severe weather events have failed to materialise.

and perhaps

8. Why scientists (and politicians) engaged in promoting man-made global warming have increasingly resorted to
 - fudging data
 - abusing 'sceptical' scientists,
 - suppressing peer reviewed papers that contradict accepted dogma,
 - using propaganda articles from extremist organisations as supposedly peer reviewed material in IPCC reports.

The Moon paradox

One of the staple arguments for a general greenhouse effect on earth is the assertion that this planet would be an overall ~35K cooler were it not for greenhouse gases. This is based on a theoretical calculation based on the Stefan-Boltzmann law of black body radiation. Now the earth is not a black body, but the theoreticians claim they have made the necessary adjustments for this in their calculations. Of course no one can test this by removing supposed greenhouse gases from the atmosphere.

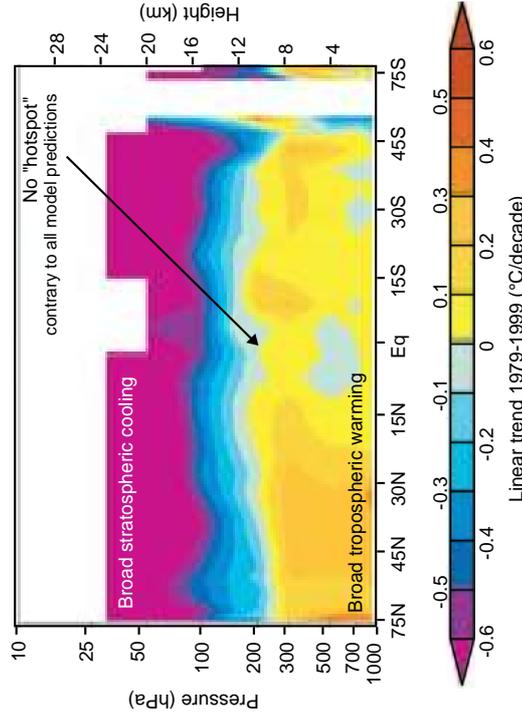
However the moon has no atmosphere. The later Apollo missions left an array of temperature sensors on the moon and recently NASA released an analysis of the results. Amazingly this shows that the moon also has an elevation of temperature above that calculated by the theory. Does the moon then have a 'greenhouse' effect? Clearly not - it has no atmosphere. So it looks as if the calculated starting point is wrong and neither the earth nor the moon are kept warmer by any 'greenhouse effect'.

http://nephthysgf.nasa.gov/summerinstitute/docs/Radiative%20Non%20Equilibrium_BHermelyn_Final.doc

Conclusion: there is no such thing as a greenhouse gas.

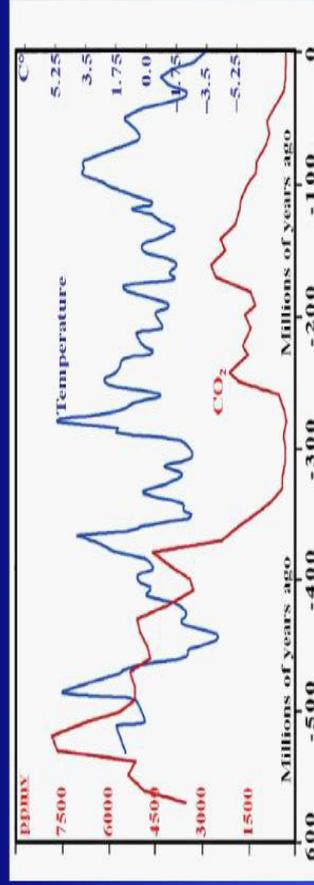
When a hypothesis in science is contradicted by the observational data it has been falsified. If this obvious but fundamental concept is ignored what follows ceases to be science but becomes dangerous self-deception. The IPCC models of climate (based on the erroneous belief that CO₂, as a greenhouse gas, forces climate warming) have been falsified by the observational and experimental data at every level.

Observed pattern of atmospheric warming†



- Why all the predictions of temperature rises have been out by more than 300%.
- Why long range weather forecasting/climate forecasting have proved such a dismal failure.
- Why ocean levels have failed to rise.
- Why 'average global temperature' and carbon dioxide levels show little causal correlation (except in reverse: rising temperatures can cause rises in CO₂) in the short term and no correlation on the scale of millennia and millions of years - see the graph below.

600 Million Years of Temperature and Carbon Dioxide



every possible length would show a temperature nearly, if not quite, as high as that observed in a glass house. The transparent screen allows the solar radiation to warm the ground, and the ground in turn warms the air, but only the limited amount within the enclosure. In the "open," the ground is continually brought into contact with cold air by convection currents.

To test the matter I constructed two enclosures of dead black cardboard, one covered with a glass plate, the other with a plate of rock-salt of equal thickness. The bulb of a thermometer was inserted in each enclosure and the whole packed in cotton, with the exception of the transparent plates which were exposed. When exposed to sunlight the temperature rose gradually to 65°C, the enclosure covered with the salt plate keeping a little ahead of the other, owing to the fact that it transmitted the longer waves from the sun, which were stopped by the glass. In order to eliminate this action the sunlight was first passed through a glass plate.

There was now scarcely a difference of one degree between the temperatures of the two enclosures. The maximum temperature reached was about 55°C. From what we know about the distribution of energy in the spectrum of the radiation emitted by a body at 55°C, it is clear that the rock-salt plate is capable of transmitting practically all of it, while the glass plate stops it entirely. This shows us that the loss of temperature of the ground by radiation is very small in comparison to the loss by convection, in other words that we gain very little from the circumstance that the radiation is trapped.

Is it therefore necessary to pay attention to trapped radiation in deducing the temperature of a planet as affected by its atmosphere? The solar rays penetrate the atmosphere, warm the ground which in turn warms the atmosphere by contact and by convection currents. The heat received is thus stored up in the atmosphere, remaining there on account of the very low radiating power of a gas. It seems to me very doubtful if the atmosphere is warmed to any great extent by absorbing the radiation from the ground, even under the most favourable conditions.

This extremely simple and elegant experiment could be easily replicated in any school science class with equally simple equipment. But it has never, to my knowledge, been done.

Wood's results are a falsification of the greenhouse hypothesis. Glass (with its IR absorbing properties) clearly does not act as a radiation trap, being less effective than the rock salt crystal plate at warming the covered space.

The idea that the glass, absorbing then re-radiating IR, further warms the greenhouse, cannot be correct anyway as it would break the laws of thermodynamics: 'heat cannot of itself pass from a cooler body to a hotter body'. The glass is *cooler* than the ground inside the greenhouse. If you need confirmation of this fact, try an simple test next time you go to your car after parking it in the sun. First feel the temperature of the dashboard, then feel the temperature of the windshield. The windshield will be cool by comparison. If you have a thermometer of the colour sensitive variety, test each surface with that and you will find this to be true.

If it were possible that the glass's radiation of IR could add heat to the ground then we would have access to an infinite supply of heat energy!

As Wood comments, the IR absorbing qualities of gases in the atmosphere are also irrelevant, as all heat is transferred from the ground via conduction and convection. The air is always cooler than the ground below it - see the graph. →

So it is of no significance whatever that CO₂, CH₄ H₂O etc happen to absorb certain IR frequencies - the only conceivable effect that might have is a (very tiny) reduction in the surface temperature and hence the temperature of the atmosphere.

So the second premise of the hypothesis is falsified by this experiment.

A recent experiment

A modern experiment has also been conducted using a laser pen (total output 0.7W/m) by shining it onto a thermometer with an identical control thermometer nearby. Does this raise the temperature of the thermometer ie is the laser light turned into heat? This experiment showed no rise of temperature at all. Therefore the first premise (that all the sunlight is turned by transformation of wavelength into IR radiation from the ground) is also falsified.

Therefore the greenhouse hypothesis is proved wrong both by experiment and by the fact that, if correct, it would violate the laws of thermodynamics and enable unlimited energy to be extracted from any radiation source.

These fundamental errors at the root of the whole greenhouse hypothesis means that its foundation is built on 'sand' not 'rock'.

This explains all the problems that warmists keep on encountering

1. Why all the computer models completely fail to replicate reality - eg the non-existent 'hotspot'.

