

IGNORING SCIENCE 1 –

Greens and their ideologically influenced scientists will sometimes cherry pick the science to support their arguments. They selectively use one study's result, while ignoring several others that contradict those findings. They rarely justify such cherry picking, and on most occasions will not even refer to other science. Other Handouts give examples of such cherry picking. However, this Handout discusses a worse problem, where Greens and their scientists ignore all the science and make unsupported assertions in conflict with existing science.

For over thirty years (1959-1992) there has been empirical scientific support that CO₂ could not stay in the atmosphere for more than fifteen years, with an average residency time of 7 years. Thirty seven experiments, listed in Table 1, have established this through measurements using: natural carbon-14; the Suess Effect; from carbon-14 from nuclear weapon testing; from Radon-222; from solubility data; and based on Carbon-13/Carbon-12 mass balance. Table 1 gives the details of this science. Professor Segalstad, an expert in the area, stated that similar figures had also been established through other mechanisms over many decades¹.

With the advent of the Green IPCC, a much longer residence time was needed to support the dogma that Man was causing an unprecedented rise in CO₂ concentrations in the atmosphere, leading to catastrophic global warming. To achieve this, deterministic carbon cycle models were constructed in a way that produced the required answer of a residence time of 50-200 years. Once again, the ideologically influenced scientists were to leave reality, to live in a 'virtual reality world'. If the shorter residency times were accepted, it could be shown that Man had not been pumping out enough CO₂ to account for the claimed twentieth century increase in CO₂ concentrations. This established science had to go, and be trumped by an assertion.

If the dogma requires long residence times, then the models shall produce them. These models are now pillars of the global warming case as presented by the UN's IPCC. This assertion became useful in two other areas. The Greens propaganda machine could now claim that Man's pollution would last for centuries, and even if we stopped now, the damage was done. This was wonderful news for their 'fear and emotion' campaign. Secondly, the climate models could not be validated, but by using this wide ranging residency time as a parameter in the models, 'hindcasting' could be better manipulated to give some credence to the unvalidated models².

Professor Segalstad points out that those who claim CO₂ last for centuries have no such measurements or other physical evidence to support their claims. Equally important, they have never demonstrated the measurements supporting the traditional seven year period are wrong³.

No.	AUTHORS (Publication Year)	RESIDENCE TIME (Years)
0	IPCC Estimate (2007)	50-200
	Based on Natural Carbon-14	
1	Craig (1957)	
2	Revelle & Suess (1957)	7
3	Arnold & Anderson (1957) including living and dead biosphere	10
4	Siegenthaler (1989)	4-9
5	Craig (1958)	7 +/-5
6	Bolin & Eriksson (1959)	5
7	Broecker (1963)	8
8	Broecker (1963) work recalculated by Broecker & Peng (1974)	5-15
9	Craig (1963)	7
10	Keeling (1973b)	9.2
11	Broecker (1974)	6-9
12	Oeschger et al. (1975)	7.53
13	Keeling (1979)	7.6 (5.5 – 9.4)
14	Peng et al. (1979)	7.5
15	Siegenthaler et al. (1980)	3-25
16	Lal & Suess (1983)	7.9-10.6
17	Siegenthaler (1983)	6.7
18	Kratz et al. (1983)	
	Based on "Suess Effect"	
19	Ferguson (1958)	2 (1-8)
20	Bacasto & Keeling (1973)	6.3-7.0
	Based on Bomb Carbon-14	
21	Bien & Suess (1967)	>10
22	Munnich & Roether (1967)	5.4
23	Nydal (1968)	5-10
24	Young & Fairhall (1968)	4-6
25	Rafter & O'Brian (1970)	12
26	Machta (1972)	2
27	Broecker et al. (1980a)	6.2-8.8
28	Stuiver (1980)	6.8
29	Quay & Stuiver (1980)	7.5
30	Delibrias (1980)	6.0
31	Druffel & Suess (1983)	12.5
32	Siegenthaler (1983)	6.99-7.54
	Based on Radon-222	
33	Broecker & Peng (1974)	8
34	Peng et al. (1979)	7.8-13.2
35	Peng et al. (1983)	8.4
	Based on Solubility Data	
36	Murray (1992)	5.4
	Based on carbon-13/Carbon-12 Mass Balance	
37	Sengalstad (1992)	5.4

Table 1: Resident Time for Carbon Dioxide in the Atmosphere³

“They don’t even try” says Professor Segalstad. “They simple dismiss evidence that is, for all intents and purposes, irrefutable. Instead, they substitute their faith, constructing a kind of science fiction or fantasy world in the process”⁴.

In the real world, as measurable by science, a stable balance of carbon dioxide is reached when oceans contain 50 times more than the CO₂ in the atmosphere. Segalstad⁵ points out that if CO₂ concentrations were to double, as postulated by the IPCC, then the oceans would need to obtain 50 times more CO₂ to obtain chemical equilibrium. This comfortably exceeds all the carbon that exists in all the coal, gas, and oil reserves that we have in the world today. For the IPCC’s assertions to be correct there will have to be an additional massive source of natural CO₂ involved to allow this to occur.

CONCLUSION

It is a sad day, when ideological views of scientists can cause them to ignore existing empirical science, and replace it with assertions that have been designed into, and generated by, deterministic computer models.

Notes:

1. Solomon, Lawrence, “The Deniers”, Richard Vigilante Books, 2008, p. 80.
2. See Handout 9-11
3. Solomon, Lawrence, “The Deniers”, Richard Vigilante Books, 2008, p. 82-83.
4. Solomon, Lawrence, “The Deniers”, Richard Vigilante Books, 2008, p. 84.
5. Solomon, Lawrence, “The Deniers”, Richard Vigilante Books, 2008, p. 84.