

# 180 Years of atmospheric CO<sub>2</sub> Gas Analysis by Chemical Methods

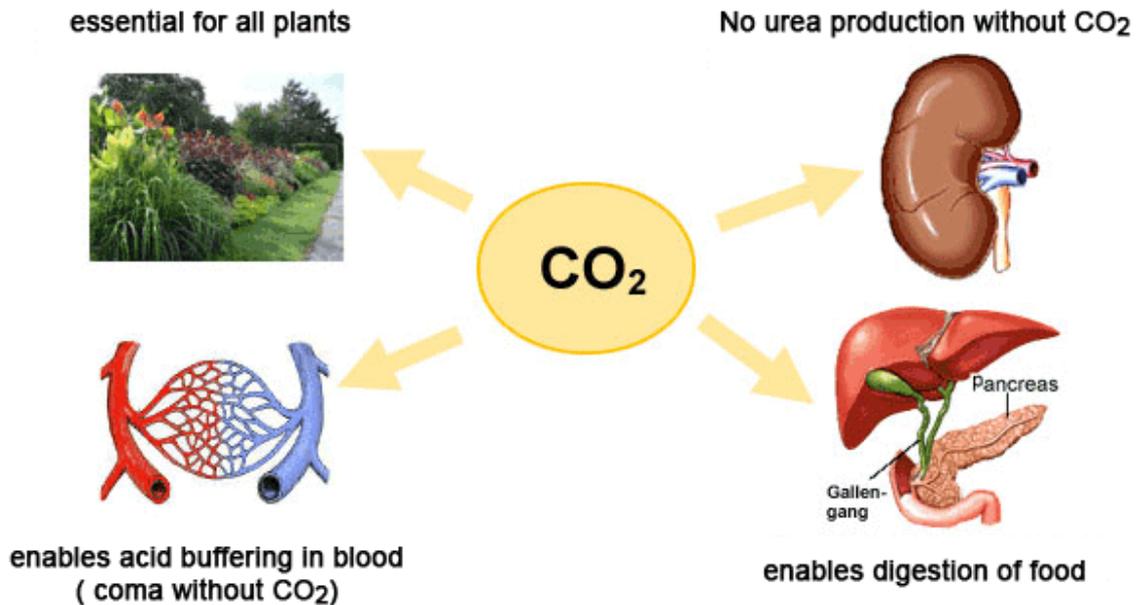
StD Ernst-Georg Beck Dipl. Biol.; ENERGY & ENVIRONMENT; VOLUME 18 No. 2, 2007

## The Greatest Scandal in Modern History of Science

7 essential findings of the study in pictures:

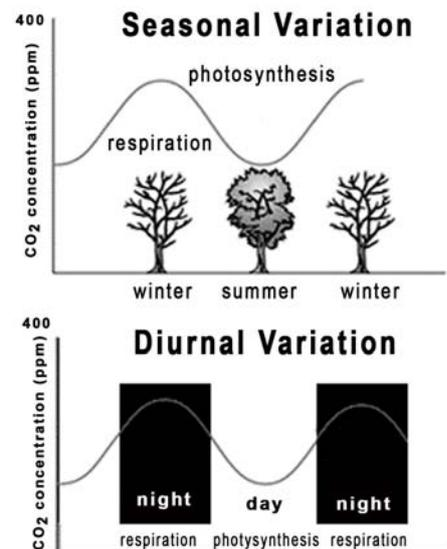
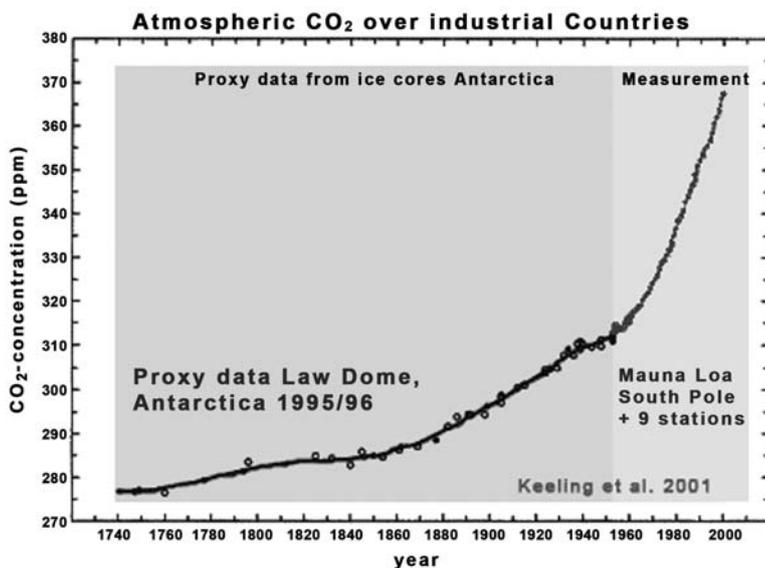
Copyright E&E 2007 and egb; all rights reserved

### 1. CO<sub>2</sub> is an essential, natural substance for man, all animals and plants.



@egb2007

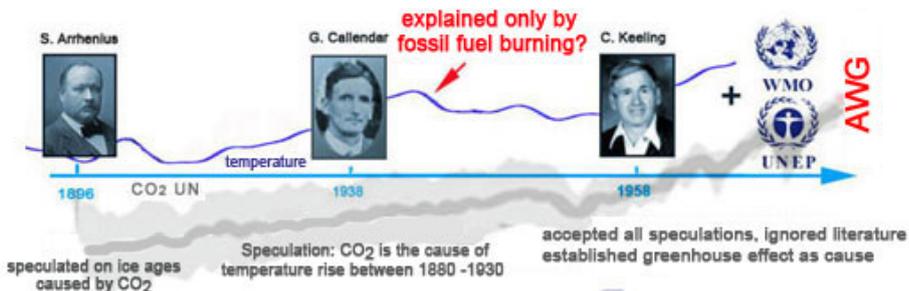
### 2. Climate science (UN) "permits" only the following variations in CO<sub>2</sub> content of air. The left picture is erroneous.



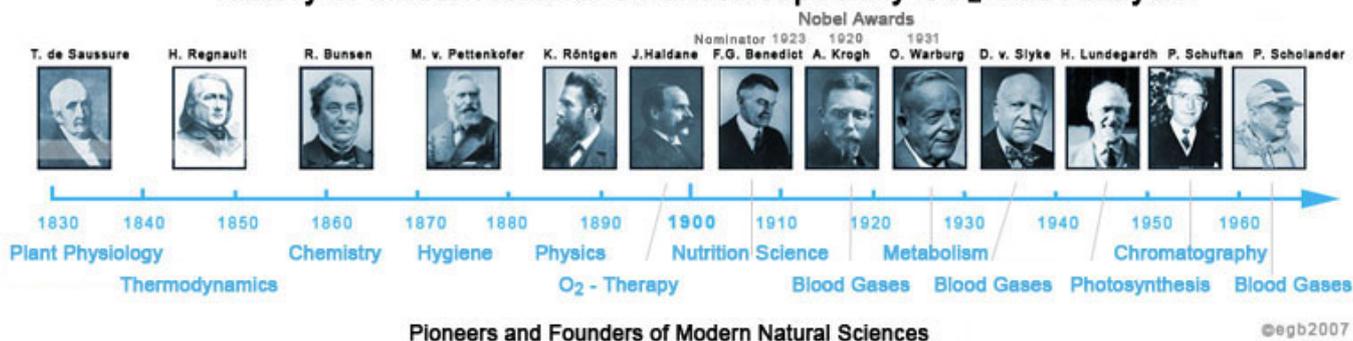
3. There is no need to invent an AGW (greenhouse effect by man) for explaining warmth in 20<sup>th</sup> century.

# The CO<sub>2</sub> Swindle

## History of a Scientific Heresy



## History of Modern Natural Sciences especially CO<sub>2</sub> Gas Analysis



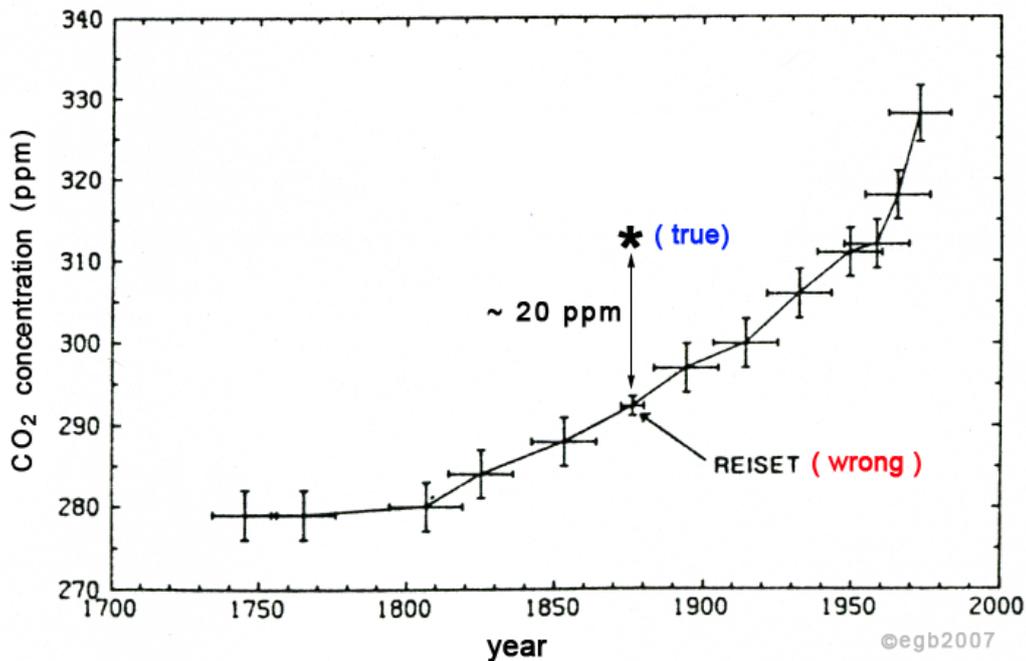
4. The study is able to prove that responsible scientists Callendar and Keeling ignored scientific literature.

Year	Authors	Cited authors and papers with data			Notes
		Total	19 <sup>th</sup> c.	20 <sup>th</sup> c.	
1900	Letts and Blake [14]	252	252	-	only 19th century (+)
1912	Benedict [15]	137	137	-	+; focus on O <sub>2</sub> -determination
1940	<b>Callendar [16]</b>	<b>13</b>	<b>7</b>	<b>6</b>	<b>cited Letts&amp;Blake and Benedict</b>
1951	Effenberger [17]	56	32	24	cited Duerst <sup>1</sup> , Misra <sup>1</sup> and Kreutz <sup>1</sup>
1952	Stepanova [18]	229	130	99	citation as Effenberger
1956	Slocum [19]	33	22	11	cited Duerst and Kreutz
1958	<b>Callendar [20]</b>	<b>30</b>	<b>18</b>	<b>12</b>	<b>no citing of Duerst, Kreutz and Misra</b>
1958	Bray [21]	49	20	19	cited most important through the centuries
1986	Fraser [22]	6	6	-	+, same as Callendar
1986	<b>Keeling [23]</b>	<b>18</b>	<b>18</b>	-	<b>+, same as Callendar;</b>
2006	Beck [this study]	156	82	74	only chemical determination until 1961

Bibliographies and citation of papers

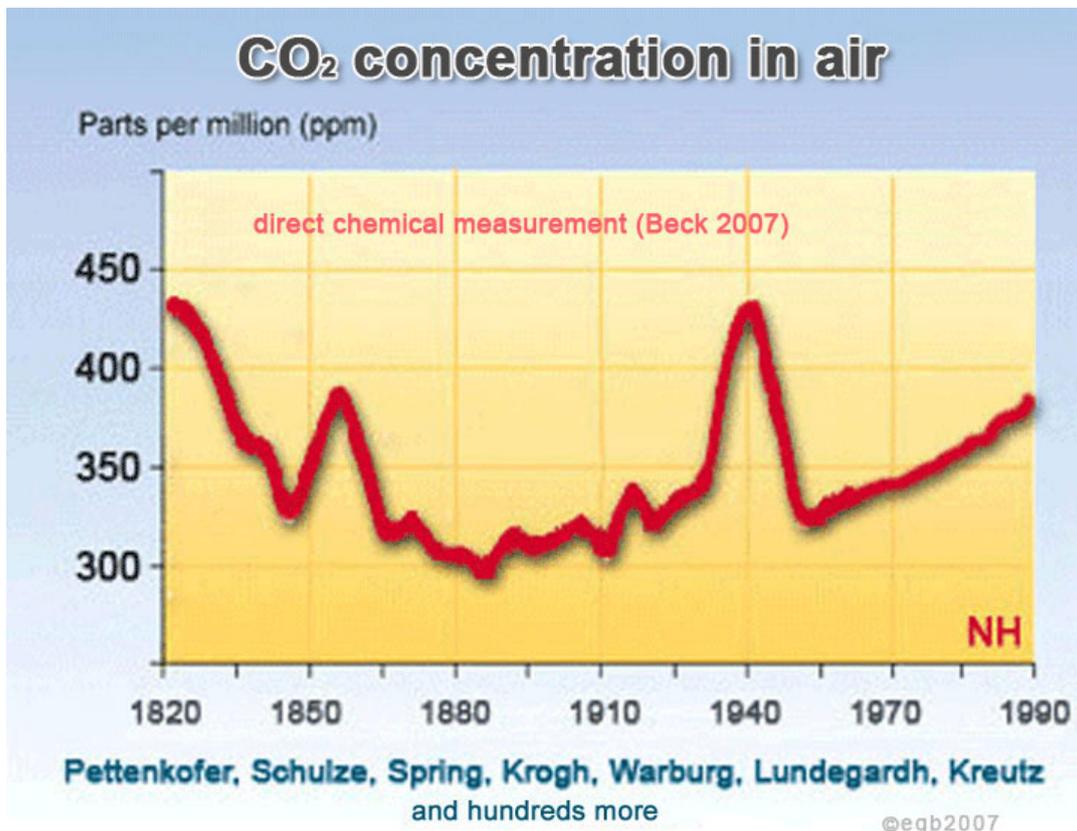
5. The study is able to prove that the responsible scientists Callendar and Keeling praised wrong historic data as true.

**Keelings „fuel line“ praising Reiset's data 1882 as most accurate**



Callendar and Keeling praised 3 scientific papers out of 380 as accurate, the rest as being wrong, and 2 praised as the most accurate were erroneous!

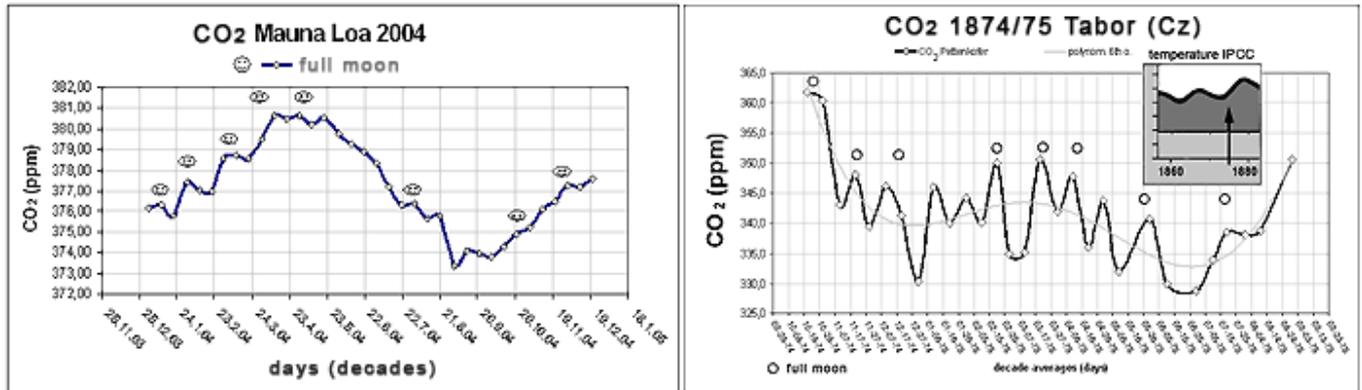
6. UN published a distorted view of history of natural science and postulated that there were no accurate measurements prior to 1958. This study is able to prove that there are more than 90 000 direct accurate measurements of CO<sub>2</sub> used to reconstruct the real CO<sub>2</sub> contour over the last 200 years.



Pettenkofer, Schulze, Spring, Krogh, Warburg, Lundegardh, Kreutz and hundreds more

CO<sub>2</sub> fluctuates following climate and in former times there are much higher concentrations compared to today (e.g. around 1820, 1857 and 1942). The assertion of UN of a pre-industrial CO<sub>2</sub> concentration of 294 ppm is wrong. In **19th century average CO<sub>2</sub> concentration was 341 ppm compared to modern 380 ppm.** (ppm = Parts per Million)

**7. CO<sub>2</sub> amount in air varies monthly with lunar phases as ocean tides.**



modern

● = full moon

historic

©egb2007

**Conclusions:**

- CO<sub>2</sub> follows climate
- CO<sub>2</sub> was also high in former times
- CO<sub>2</sub> is not responsible for current warming
- Ice core records used by UN are not sensible enough to resolve short-time CO<sub>2</sub> variations

**To be done:**

- CO<sub>2</sub> reconstructions from ice core records have to be revised
- Carbon flux models have to be revised for "fast" CO<sub>2</sub> emission out of oceans

Ernst-Georg Beck  
 Merian-Schule Freiburg  
 Dep. Biotechnology and Nutrition Science  
 79104 Freiburg  
 Rheinstr. 3  
 Germany