

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

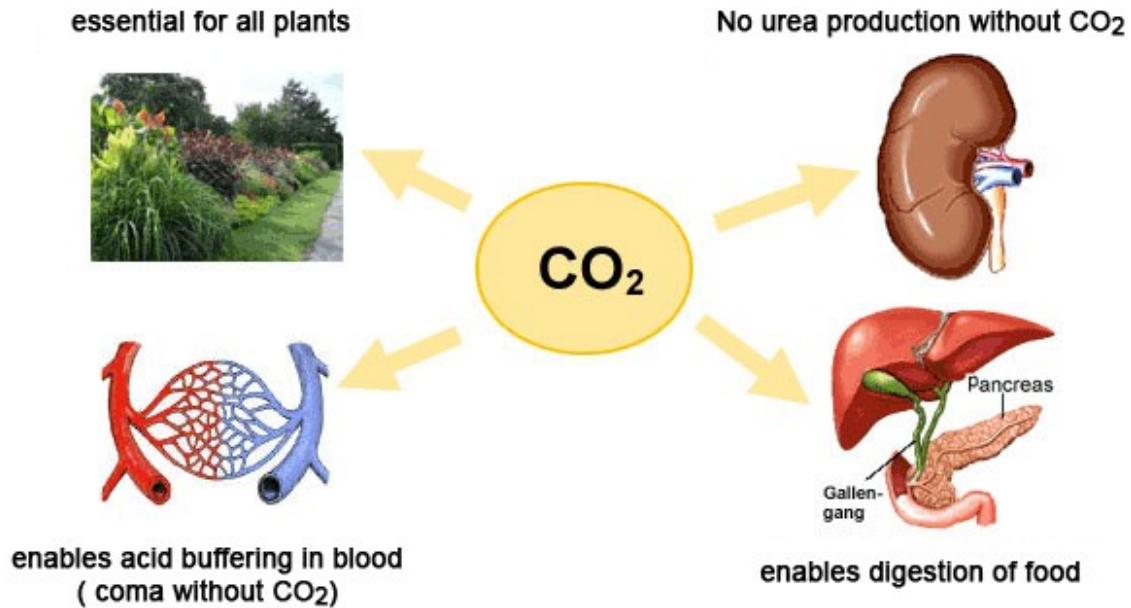
StD Ernst-Georg Beck Dipl. Biol.; ENERGY & ENVIRONMENT; VOLUME 18 No. 2, 2007

## The Greatest Scandal in Modern History of Science

7 essential findings of the study in pictures:

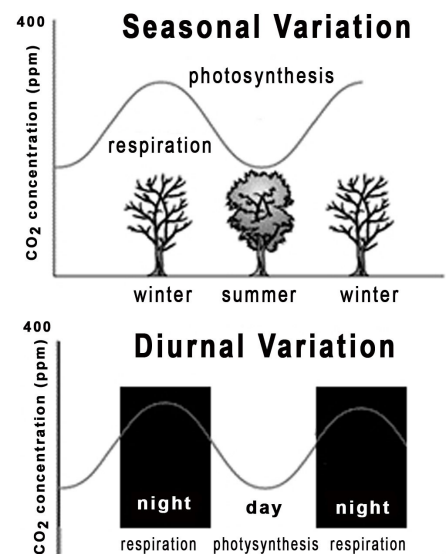
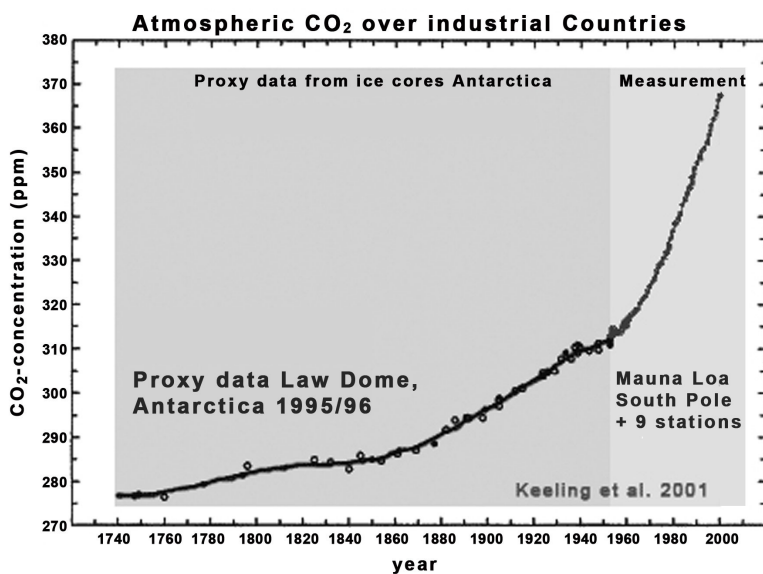
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### 1. CO<sub>2</sub> is an essential, natural substance for man, all animals and plants.



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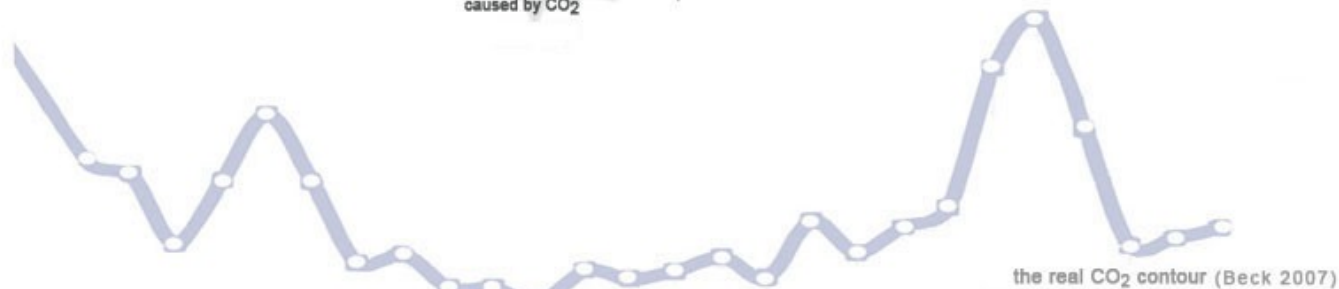
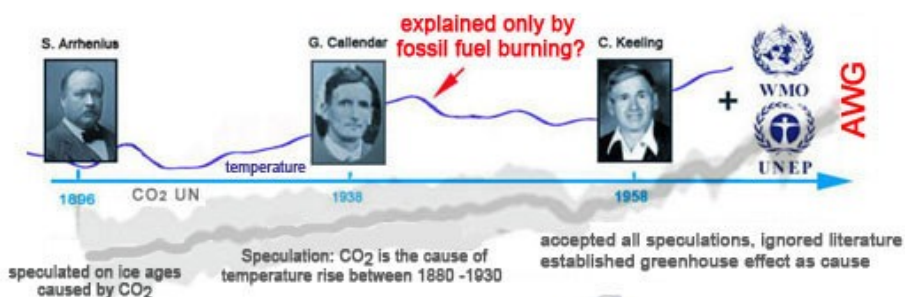
### 2. Climate science (UN) "permits" only the following variations in CO<sub>2</sub> content of air. The left picture is erroneous.



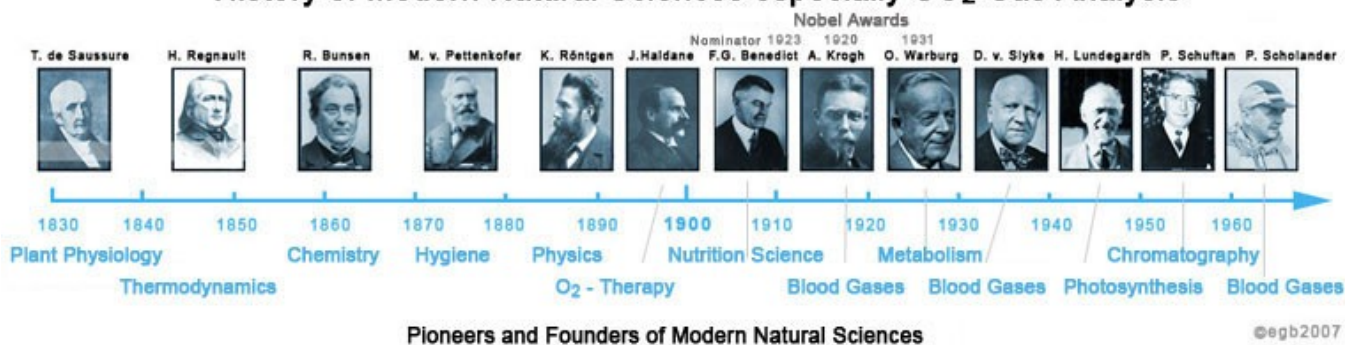
3. There is no need to invent an AGW (greenhouse effect by man) for explaining warmth in 20<sup>th</sup> century.

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

## History of a Scientific Heresy



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



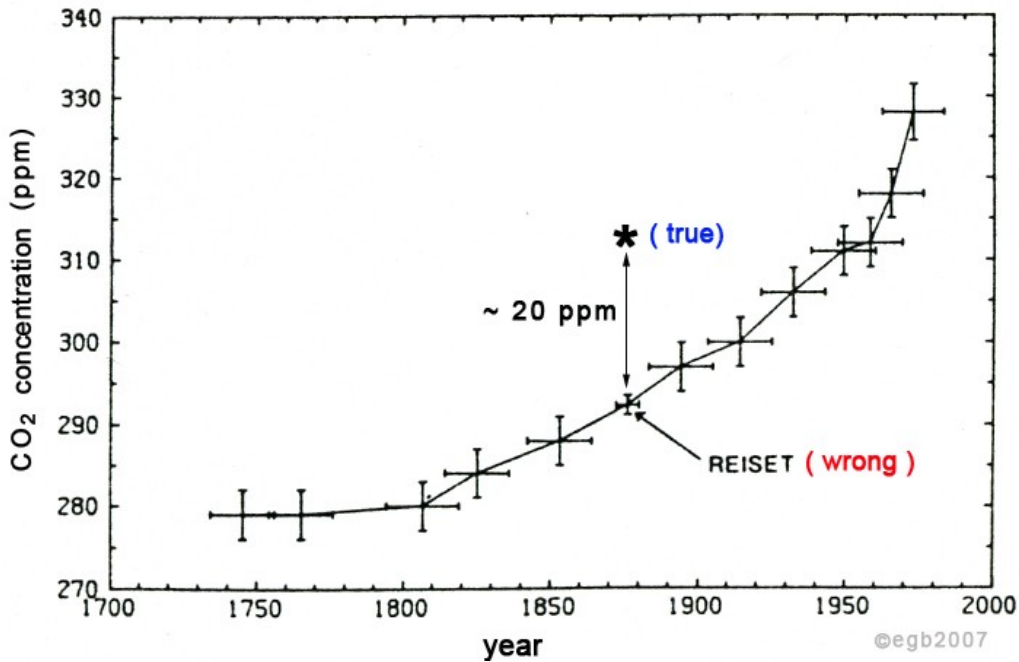
4. The study is able to prove that responsible scientists Callendar and Keeling ignored scientific literature.

| 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

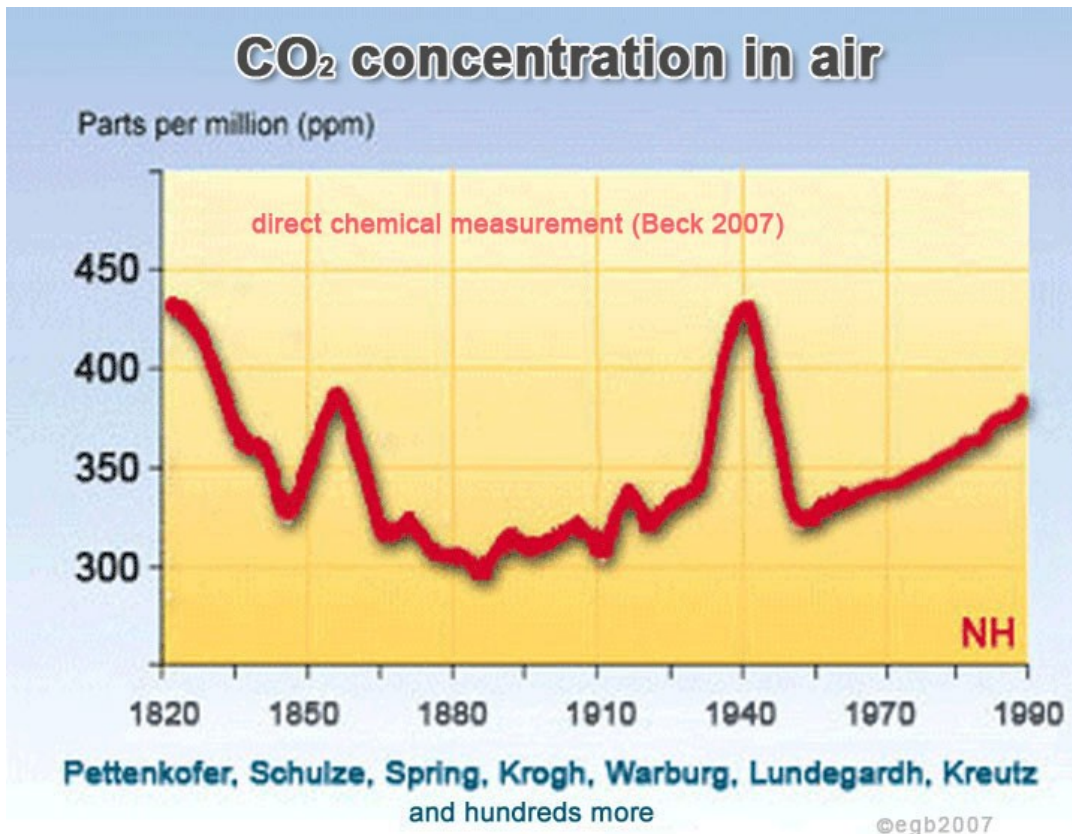
5. The study is able to prove that the responsible scientists Callendar and Keeling praised wrong historic data as true.

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



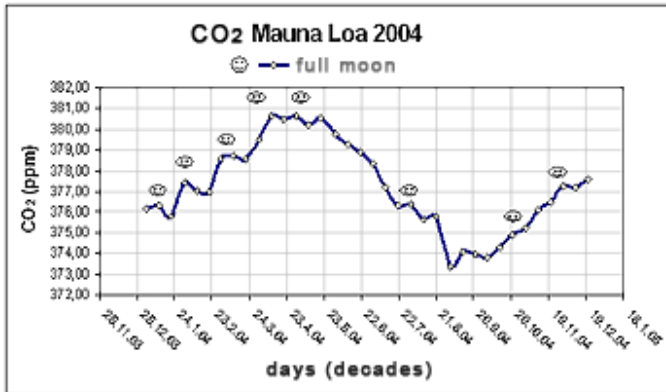
Callendar and Keeling praised 3 scientific papers out of 380 as accurate, the rest as being wrong, and 2 praised as the most accurate were erroneous!

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.

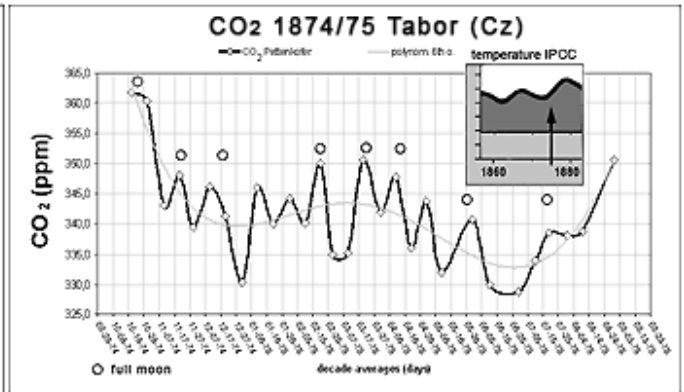


CO<sub>2</sub> fluctuates following climate and in former times there are much higher concentrations compared to today (e.g. around 1820, 1857 and 1942). The assertion of UN of a pre-industrial CO<sub>2</sub> concentration of 294 ppm is wrong. In **19th century average CO<sub>2</sub> concentration was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



**historic**

● = full moon

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**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

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