

SUMMARY

Based upon the data researched in this report, the following conclusions have been made:

1. There are many factors which can bring about climate changes besides an increase in greenhouse gases. Temperatures of the Earth vary over very large ranges from place to place, from year to year, from summer to winter and even from day to day and hour to hour. Nevertheless, scientists have been able to “tease out” a 0.88 F warming change over 158 years. The IPCC has, however, assigned that cause to **man**, based on very sketchy evidence.
2. Greenhouse gases are essential to life. Without them the Earth would be zero degrees Fahrenheit or 32 degrees below freezing. The most significant greenhouse gases, water vapor, carbon dioxide, and nitrous oxides are the molecules of life. Without them, no plants can live. Because animals depend on plants for food, without them we cannot exist. Plants make our carbohydrates and essential fatty acids from water and carbon dioxide. With the addition of nitric oxide, plants can make the amino acids from which all proteins are made.
3. Water vapor accounts for 94.5% of the greenhouse effect. Carbon dioxide accounts for only about 5%. The levels of other greenhouse gases are so small that they contribute nothing measurable to the temperature rise.
4. Global warming does exist. It is very minor. It is probably the result of the natural heating of the Earth, not by man. Since the last ice age 11,000 years ago, we have had 8 warming periods and 8 cooling periods. In four of those periods, temperature increases have been as large as or larger than in the present global warming period.
5. The oceans sea level has risen and fallen a total of 1300 feet in the life of the planet. The sea level rose 394 feet since the melting of the glaciers began ~11,000 years ago. The Earth did that all by itself, without man’s help.
6. There appears to be no correlation between carbon dioxide levels and temperatures. This may be because the present level of carbon dioxide

absorbs 100 percent of the 15 micron radiation emitted by Earth. Adding additional carbon dioxide cannot absorb more than 100%. Doubling the carbon dioxide level allows only a minuscule increase, as energy is absorbed in a slight widening of the 15-micron absorption band.

7. Reducing carbon dioxide to the level of the year 1990 or below will have no effect on the temperature, but will significantly burden the economy. The Kyoto Protocol, at best, will result in **temperature avoidance** by the year 2050 of 0.07C or 1/8th degree Fahrenheit. (See Appendix F.) At worst, it will have no effect.
8. The present levels of carbon dioxide on the Earth are among the lowest in the Earth's history. Over 99% of the time in the last 580,000,000 years, the carbon dioxide levels were 2 ½ to 11 times present levels. Some 99.9% of the time they have been above present levels. Based on this history, there is no danger of runaway global heating, acidification of the oceans, or major catastrophes. Multi-celled plant and animal species have survived for 600-700 million years.
9. Optimum levels of carbon dioxide for plant growth are more than 2.5 times our present levels.
10. The present Earth is colder than at any time in the last 450,000,000 years, except during the recent ice ages. It has become increasingly cooler in the last 5 million years. Global cooling is more to be feared than global warming because it threatens plant life and agriculture.
11. Global warming actually results in more moderate temperatures. Actual temperature data shows that summers and autumns are cooler, and evenings and winters are warmer. This is because global warming results in more evaporation and more clouds. A cloudy summer day is cooler than a cloudless day because the clouds reflect incoming solar radiation and a cloudy evening is not as cold as a clear evening because the clouds trap the heat.
12. Data do not support that global warming results in more hurricanes or more severe hurricanes.
13. There is no economical way to reduce carbon dioxide emissions without reducing the power levels of power plants, unless we replaced them by

nuclear plants. Non-polluting resources, such as new hydroelectric power, wind power, and solar power can, at best, add a few percent to our power supply at costs which must be subsidized by the government. Carbon products give the most efficient commercial combustion heating and automotive power. Renewable resources, such as ethanol are not as efficient as gasoline, deplete the soil, threaten water supplies, result in higher food costs, and still must be subsidized by the government.

14. Vostok ice core samples taken from the Antarctica reveal that methane, carbon dioxide, and nitrous oxide all increase together as the temperature rises. This has occurred 8 times in the last 650,000 years. The IPCC was using the simultaneous rise of these three greenhouse gases as proof that man's Industrial Age was the only possible cause.

It is not difficult to believe that temperature rises cause the increase in greenhouse gases, for that's exactly the case for water vapor: the hotter it becomes, the more water vapor.

15. The surprising factor in ice core data, however, was that when dust settles on ice, it kicks off the temperature rise. This is, presumably, because it changes the surface albedo by reducing snow reflection. A further surprise from ice core data indicates there is an 800-year lead time from the start of the temperature rise to the start of the increase in greenhouse gases. This suggests that the oceans are the sources of greenhouse gases, since it takes so long to heat them. The ocean contains 52 times as much carbon dioxide as the atmosphere. Ocean warming will release carbon dioxide, methane, and nitrogen oxides. Who knows, our present rise in greenhouse gases may be a result of the global warming cycle from the Medieval Warming Period which ended about 900 years ago.
16. In the last few years, the South Polar Ice Cap on Mars has lost several billions of tons of frozen carbon dioxide due to a 7°F increase in temperature. Space scientists say this is because the albedo of the ice has been changed due to dust storms on Mars. Man didn't cause this!
17. In the last few years, Jupiter has shown signs of warming as much as 10°F, as indicated by storms rising above clouds. Man didn't cause this!
18. The Earth obeys the laws of physics and chemistry and has little or no regard for life. It brings about mass extinctions, forms and breaks up

supercontinents every 500 million years, recycles the ocean floors every 200 million years, and has experienced *thousands* of heating and cooling cycles (Ice age cycles). The Earth's power is immense. A typical hurricane has been estimated to have the power of a million megatons of TNT. (See Appendix D.)

19. The Earth has been around for 4.5+ billion years. Life has existed on it for around 3.3 billion years. Multi-celled plants and animals have existed for 600-700 million years. It is inconceivable to me that man has determined that we are on the verge of seeing life on the Earth destroyed in the last 1/315,000,000th of its existence. What arrogance man has!
20. Conforming to the Kyoto Protocol, by regulating carbon dioxide emissions, will result in virtually no change in the temperature, but is guaranteed to adversely affect the economy. It would penalize people for using energy by increasing their electric bills, gasoline costs, and taxes.
21. Global warming appears to be more of a political problem than a scientific problem.

In 1789, Ben Franklin stated, "...in this world, nothing is certain but death and taxes." I'd like to modify this to say, "...nothing is certain but death, taxes, climate change, and people who predict the end of the world."

EARTH'S HISTORY IN PERSPECTIVE

The Earth has been in existence about 4.5 billion years. It is hard for man to contemplate billions of years, so let's shrink this down to a year and analyze the major events that have taken place. In this process, we'll let a second be equal to 142.6 years of the Earth's existence.

Major Events in Earth's History

Start of Earth	December 31---Midnight
Moon Formed	January 5
Archae Bacteria Make Methane	March 25
Photosynthesis (single cell)	June 12
First Major Ice Age Starts	July 2
Multi-celled Animals Appear	November 5
Cambrian (Species) Explosion	November 13
Pangaea Super-Continent Formed	December 7
Continents Take Present Shape	December 23
Modern Man Appears	December 31--11:37 pm
End of Last Ice Age	December 31--11:58:52 pm
First Temperature Measurement	December 31--11:59:59 pm
Greenhouse Gas Concept Discovered	December 31--11:59:59.5 pm
Global Warming Crisis (IPCC)	December 31--11:59:59.9 pm

Conclusion: Do you really think that, in the last, 1/315,600,000th of the Earth's existence, we've discovered global warming will doom us? I don't believe it!!