

# GLOBAL WARMING AND CLIMATE CHANGE PRIMER

By Charles S. Opalek, PE

Page 1  
July 21, 2017

## Global Warming is Dead

The argument about global warming has morphed into climate change. This subtle shift was necessary because the warming as evidenced by satellite measurements has stopped since 1998, even while CO2 concentrations have continued to increase. It has become increasingly obvious CO2 is not driving the warming, the climate, or anything else.

The hysteria about melting ice caps, sea level rise, stronger storms, droughts, floods, forest fires, etc., has not materialized:

- ice continues to accumulate at record levels in the Antarctic wherein lies 90% of the world's ice inventory. Meanwhile, the Arctic Ice Cap has survived decades of predictions of its demise.
- sea level rise according to Nils-Axil Morner, the world's leading authority on sea level change, has not changed at all.
- annual accumulated cyclonic energy is at historical lows, as are the overall number and strength of hurricanes and tornadoes.
- Droughts and floods continue their march in tune with oceanic oscillations, such as, La Ninas and the Indian Ocean Dipole.
- Forest fire activity remains at the mercy of lightning strikes, underbrush stockpiles and interference with nature by humans.

## Climate Change has no Evidence

There is not one piece of empirical evidence linking human activities to the climate - NOT ONE. The only arguments for climate change are anecdotes, computer projections, Hockey Sticks, and consensus.

- Anecdotes are short, obscure historical or biographical accounts. Anecdotes cannot be traced to one another or anything else. Anecdotes are not proof.
- Computer projections are Ludic fallacies based on dubious initial conditions. The computer projections have failed, because their only input is greenhouse gases. Computer projections are not proof.
- Hockey Sticks are the cobbling together of two unrelated proxy data sets. These FrankenGraphs, which would have received an "F" in JHS science class 50 years ago, are incredibly embraced by many scientists today. Hockey Sticks are artificial fabrications, not proof.
- Consensus is an opinion or position reached by a group as a whole. Millennia and centuries ago the consensus believed the Earth was the center of the Universe and Solar System. Consensus is not proof.

To the contrary, there is abundant evidence proving the climate has changed often and sometimes violently, all without any human influence.

## The Historical Temperature Record

For the last 600,000,000 years temperatures have hovered around 12C about 14% of the time, around 22C about 50% of the time, and somewhere in between 36% of the time. Right now we are at 14.5C, about 25% above the bottom of the historical range. (Ref: Dr. Christopher R. Scotese's PALEOMAP Project at <http://www.scotese.com/climate.htm>). We are nowhere near any temperature tipping point.

The 0.4C rise in temperature since the Industrial Revolution (IR) pales in comparison to the 1.6C increase of the Medieval Warming Period (WP), the 2.5C increase of the Roman WP, and the 3.2C increase of the Minoan WP using the IR as a baseline. The average temperature has been declining for the last 6,000 years. (Alley, R.B. 2000, The Younger Dryas cold interval as viewed from central Greenland, Quaternary Science Reviews, 19:213-226.) We are at the very end of the present 10,500 year old Interglacial WP. After this comes about 90,000 years of snow, ice, advancing glaciers and incredible loss of life. Enjoy the warmth while you can.

## The Recent Temperature Record

The temperature data for the last 100 years has been twisted and contorted by scientists to comply with the global warming agenda. Under the guise of 'homogenizing' data sets, NOAA has chopped off the cooler temperatures of the late 1800s, thus making trends afterwards look warmer. Also, the percentage of fake temperature measurement stations since 1993 has increased from 5% to 43%, over an 800% increase. A new fake station was created in Africa which helped conclude that 2016 was the warmest year ever. This fake science from fake data has created an ever-increasing temperature record, when the satellite data says since 1998 there has been no warming at all.

## The Historical CO2 Record

About 550,000,000 years ago CO2 was 7,000 ppm and has wound it's way down to where it is today, near it's historic low (Berner, R.A. and Z. Kothavala, 2001. GEOCARB III: A Revised Model of Atmospheric CO2 over Phanerozoic Time, American Journal of Science, v.301, pp.182-204, February 2001.) Below 100 ppm photosynthesis ceases. We are very close to the tipping point of Earth turning into a lifeless snowball with too little CO2 for plants to reproduce. On the other hand, plants thrive in nurseries kept at CO2 concentrations of 1,000 ppm. Thanks to recent CO2 increases, vegetation has increased 11% in arid areas of the world.

## The Recent CO2 Record

The famous Mauna Loa CO2 measurements began in 1958, coincidentally at a historic low CO2 level of 315 ppm. In 1942 and again in 1822 CO2 was

440 ppm, 40 ppm higher than today. (Ernst-Georg Beck, 180 Years of Atmospheric CO<sub>2</sub> Gas Analysis By Chemical Methods, Energy & Environment, Volume 18 No. 2, 2007, Fig. 2).

For the last 1400 years there have been 6 distinctive cycles of CO<sub>2</sub> concentration as registered in plant leaf stomata proxy data. Each cycle is about 230 years in duration with a 300 ppm minimum and 400 ppm maximum. As of 2016 400 ppm was reached, the top of the cycle. If history repeats, expect this deVries cycle to reverse and produce lower CO<sub>2</sub> readings over the next 115 or so years.

To say we are nearing runaway, irreversible global warming due to recent paltry CO<sub>2</sub> increases is ludicrous.

## Temperatures and Fossil Fuel Use

For the last 150 years there has not always been a correlation between fossil fuel use and temperature. Between 1940 and 1970 while CO<sub>2</sub> increased, fossil fuel use leveled off and slightly decreased. (Klyashtorin and Lyubushim, Energy & Environment, Vol 14, No 6, Fig 1). So, for 30 years while less fossil fuel was burned, more CO<sub>2</sub> was being generated. The question is: how can this be?

## Temperatures and Solar Irradiance

There have been three global cooling and three global warming periods within the last 250 years. These periods all march to the tune of changing solar irradiance, not CO<sub>2</sub> concentrations. (Douglas V. Hoyt and Kenneth H. Schatten, A Discussion of Plausible Solar Irradiance Variations, 1700-1992, Journal of Geophysical Research, Vol. 98, No. All, Pages 18,895-18,906, November 1, 1993). Isn't the correlation obvious? It's the Sun, not CO<sub>2</sub>.

## Greenhouse Gas Effect (GGE)

Only 3.27% of all CO<sub>2</sub> generated comes from man, the other 96.73% comes from nature. Only 0.001% of water vapor comes from man; the other 99.999% comes from nature. Water vapor by a factor of 26 has more of a spectral absorption bandwidth or GGE than does CO<sub>2</sub>. After adding the contributions of methane, nitrous oxide, and CFCs it turns out only 0.28% of the GGE comes from man, the other 99.72% comes from nature. If man ceased to exist, the reduction in the GGE would be one part out of 357, or barely noticeable.

## Planetary Mechanics - **THE** Driver of Climate Change

Planetary mechanics is the study of orbiting celestial bodies, including changes to the solar system barycenter, spin orbit coupling, and changes in angular momentum. It is the very interaction of the motion of the

# GLOBAL WARMING AND CLIMATE CHANGE PRIMER

By Charles S. Opalek, PE

Page 4

July 21, 2017

planets, Sun and moon which dictate our climate and our weather. This isn't theory. This is astrophysics.

Jupiter, Venus and Earth are called the Tidal Planets for good reason. They control the Sun's tide and its 11 year sunspot cycle. There are many harmonics of this basic 11 year Schwab cycle. There is the 22 year Hale magnetic cycle. There is the 44 year Solar Conveyor Belt cycle. Every 88 years there is the Gleisberg cycle - an amplitude modulation of Schwab cycles. There is the 230 deVries cycle. The 1,440 year Bond or Ice Debris Cycle. The 2,200 year Hallstadt Cycle.

There are numerous other cycles built from combinations of solar, lunar and planetary cycles. Every 18 years there is the Lunar Tidal Cycle which corresponds to abundance cycles on Earth. About every 60 years there is the Pacific Decadal Oscillation cycle, the most powerful climate force on the planet.

Then there is Uranus and Neptune (U-N) with their 178 year orbit beat cycle. The Sun also operates in 360 year cycles, a harmonic of the U-N cycle. Each 360 year cycle is composed of Regular Oscillations, followed by a Grand Solar Maximum, followed by a Grand Solar Minimum. This totally predictable 360 year cycle has resulted in the Oort, Sporer, Maunder, Dalton and other unnamed Minimums within the past two millennia.

In 2009, we entered the next Grand Solar Minimum - the Landscheidt Minimum. This isn't unfounded speculation. This is traceable, predictable planetary mechanics (Duhau and de Jager, The Forthcoming Grand Minimum of Solar Activity, Journal of Cosmology, 2010, Vol 8, 1983-1999). From this point forward be prepared for relentless colder winter temperatures which will reach bottom around 2040. Along the way there will be ever-increasing fuel scarcity, crop failures, food shortages, famines and loss of life of millions. The next Little Ice Age has begun. No amount of pithy CO2 increase is going to provide enough life-saving warmth.

Planetary mechanics is the elephant in the room of climate change. The planets control the climate of the Sun which, combined with the Moon, control the climate on the Earth. CO2 is only a flea on the elephant's ass coming along for the ride.

Climate Change is Big Business

The myth of global warming, climate change, climate change catastrophe - or whatever they are calling it today - continues, because of the trillions of dollars that would be lost and millions of leaf-raking jobs eliminated, if this charade were to be exposed.

- Banks and brokerage houses reap huge commissions from it.

# GLOBAL WARMING AND CLIMATE CHANGE PRIMER

By Charles S. Opalek, PE

Page 5

July 21, 2017

- Scam artists like Maurice Strong thrive on it, creating schemes like carbon trading which suck billions of dollars from consumers' wallets.
- Politicians need it to save us from imaginary hobgoblins and to justify tax increases to fund largesse programs that garner votes.
- Scientists keep busy by grazing at the trough of free grant money made available, but only if it can be shown that man is the cause.
- Corporations need it to sell cures for which there is no disease, and fatten up their bottom lines.
- The alternative energy, Green Building and sustainability industries came into existence and thrive off of it.
- The news media needs it to keep the frenzy going, the ratings up, and ad revenue coming in.
- The United Nations needs it to forge its role as the leader in One World Governance.
- Environmentalists, anti-industrialists, and other Communists need it in order to cut the legs out from underneath the evil, Capitalist United States and level the playing field for the world's less fortunate nations.

This is the hideous symbiosis of individuals, groups, businesses and governments that need the myth of climate change kept alive for their very financial survival. They are not going to go away, so long as they can continue to mainline on the juice. It is time to yank the tube out of their arms.

And one last thing: According to ice core records, the CO2 increases occur about 800 years AFTER the temperature increases. That is, CO2 doesn't cause rising temperatures, rising water temperatures cause CO2 to gas out of solution from the world's oceans into the atmosphere. CO2 is not a driver of climate. CO2 is a passenger.

Get the facts visit:

[www.windpowerfraud.com](http://www.windpowerfraud.com)

[www.aconvenientfabrication.com](http://www.aconvenientfabrication.com)

[www.climatechangecycles.com](http://www.climatechangecycles.com)