

BOOK REVIEW

“GLOBAL WARMING: GEOPHYSICAL COUNTERPOINTS TO THE ENHANCED GREENHOUSE THEORY”

By John M. Quinn, Dorrance Publishing Co., Inc. 701 Smithfield Street, 3rd Floor, Pittsburgh, PA 15222. Date of Publication: September 1, 2010. Note: This book was published in March 2010, but from the wrong galley proof. It is now (i.e., during September) being reprinted from the correct galley proof. 118 pages; \$25. ISBN: 978 - 1 - 4349 - 0581 - 9 Available at: Dorrance Bookstore (<http://www.dorrancebookstore.com/glwagecotoen.html>), Amazon.com, Kindle and other Venues.

John Quinn blows away conventional wisdom on Green House Gas (GHG) theory with hard irrefutable geophysical scientific evidence. This book questions the main assumption by GHG adherents that anthropogenic activity has driven the recent accelerated trends in global temperatures especially noticeable since the 1970's. Correlations between Global Temperature Anomaly (GTA), atmospheric CO₂ concentrations, Earth orientation in terms of Mean Pole Position (MPP), Earth rotation in terms of Excess Length of Day (ELOD), Mean Pole Velocity (MPV), and the geomagnetic field on three separate time scales, inter/intra-annual, decadal, and secular indicate for instance that CO₂ concentrations lag the other geophysical proxies by approximately 7-9 years on the decadal scale. It is already known on the secular scale from the Vostok ice-core data that CO₂ concentrations lag GTA on average by 800 ± 200 years. To be a climate forcing mechanism CO₂ should lead GTA, not lag. Observations by NOAA Pacific Marine Environmental Labs in conjunction with Oregon State University, of grape to basketball sized, highly-viscous liquid CO₂ drifting up from the bottom of trenches and surrounding submarine volcanoes easily explains the delayed affect of out gassing from geothermal heating. Why GHG adherents have never addressed any of this evidence is difficult to understand by anyone with a serious scientific bent! There seems to be no problem violating the basic principle of cause and effect if research funding can be gained.

One factor appears to control changes in all of the aforementioned geophysical (e.g., Earth rotation) and environmental (e.g., global temperature) parameters, at all time scales. It is the geomagnetic jerk. It results from a slow build-up of electromagnetic energy at the core-mantle boundary (CMB) followed by a sudden release of that energy, which in turn generates torque at the CMB and subsequent stress throughout the Earth. The fluctuating geomagnetic field results in Joule heating in the ocean, atmosphere, and solid Earth, as well as frictional heating throughout these regions. This suggests that solar-terrestrial interactions via the solar and geomagnetic fields may serve as the driver of Global Warming. Keep in mind that the Solar Energy Flux has more than doubled since 1900. On the other hand CO₂ and other greenhouse gases do not have the ponder-motive force required to drive

geomagnetic and Earth dynamic processes, which are shown to be in sync with global temperature changes.

The duration of geomagnetic jerks range from shorter than a year to as much as three or even four years and may be triggered internally (e.g. through dynamo processes) or externally (e.g. through the relative barycenter motion of the Earth, moon, and Sun) with respect to solid earth. They may be characterized as a sudden release of electromagnetic energy that has slowly built up at the Earth's Core-Mantle-Boundary (CMB) through solar-terrestrial interactions/induction that reach to the Earth's core.

Many extreme climate events in the past interestingly correlate to geomagnetic jerks. Relationships to the Dust bowl, El Niño, hurricane production, tropical storm frequency, volcanism, and space weather are discussed. This book sheds new light on a fascinating subject and is recommended for scientists and non-scientist alike with many graphics to assist the reader, who should come away with the understanding that there is still honest scientific debate as to the cause of global warming despite claims to the contrary.

Review by Bruce Leybourne August 2010