

## Global Warming Alarmism, Update, July 2010

by Bob Bowman

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Catastrophic AGW is scientifically dead [AGW is anthropogenic (i.e., human-caused) global warming]. It's the claim that humans, by burning fossil fuels, are elevating the amount of CO<sub>2</sub> (carbon dioxide) in the air, which is heating Earth to "unprecedented" levels. Well, we still burn fossil fuels, but Earth has stopped heating. Other facts also disprove AGW. See [freedommatters.org](http://freedommatters.org) (vol. 9, #8, #10-#14).

So, why re-visit global warming (i.e., AGW) when polls show that most of us know it's dead. Two reasons. **First:** recent science reveals that the sun caused the global warming that AGW Alarmists claimed was caused by fossil fuel CO<sub>2</sub>. This article deals with that science. **Second:** social-justice activists, including scientists, are still using global warming to enact a socialist political agenda (calling AGW "climate change"). See our next issue for that.

The **IPCC (Intergovernmental Panel on Climate Change)**, created as a scientific body in 1988 by the U.N. and the *World Meteorological Organization*, went awry by its **biased claim** that humans cause global warming via burning fossil fuels. Dr. J. Glassman (below) refutes that claim scientifically, *using the data IPCC used*.

**Climate theory rests on the following model.** Earth exists in a vacuum, so heat can only enter or leave it via **radiation**. All matter radiates heat at a frequency set by its temperature. The hot sun emits short wave radiation (SWR), including the light we see by. SWR, if not reflected back into space, passes through most air without warming it, and warms Earth's surface, which then warms air by conduction and convection (weather). All warm matter emits heat as *long wave radiation* (LWR; i.e., infrared, IR), which passes through all air except "greenhouse" gases. The latter absorb LWR and either re-emit it at once or "thermalize" it; i.e., convert it to heat. LWR then radiates off into space either from Earth's surfaces or its top of the atmosphere. *Heat-in via SWR minus heat-out via LWR determines if Earth heats or cools.*

**Earth's surface, aside from clouds**, is 70% ocean 2 miles deep, storing 50 times more CO<sub>2</sub> and 1000 times more heat than air does. So, temperature depends on solar input, but also on cloudiness, and **on ocean phases**, such as a PDO, which may last 33 years; these ocean currents warm or cool us depending on which are active. [Ocean phases comprise the PDO (Pacific Decadal Oscillation), ENSO (El Nino Southern Oscillation), NAO (North Atlantic Oscillation), etc., etc.]

**Solar Insolation.** IPCC claimed that the sun's output varied too little to account for global warming; thus, CO<sub>2</sub> from fossil fuels **must have** upset Earth's *assumed* heat-flow equilibrium, **causing** global warming by CO<sub>2</sub>'s absorption of LWR. Yet, IPCC failed to model solar heat flow via clouds and oceans, which processes put a unique fingerprint of natural dynamics on the net curve of solar insolation by which the sun heats Earth. Now comes Dr. Jeff Glassman to model the solar fingerprint.

**A Rocket Scientist's Journal.** This web site is by Dr. Jeffrey A. Glassman, PhD, a rocket scientist retired from Hughes, who was trained in and directed *physical systems analysis*, and whose skill has led to results that disprove **IPCC's** AGW claims.

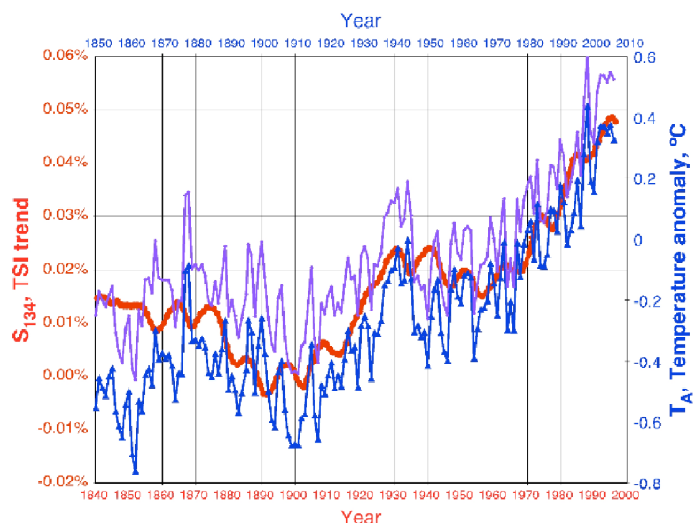
**There are only two ways to warm Earth:** either **increase** the rate of heat-in, or **decrease** the rate of heat-out. IPCC used the data by Wang, Lean & Shelley (2005) for solar irradiance from 1713 to 1996, showing only a 0.05% increase over that time, too little to cause global warming, IPCC said. **Glassman uses the same data.** But, he notes that what counts is how much of the solar input gets absorbed by Earth, and IPCC did **not** model either cloud dynamics or ocean-to-air dynamics affecting that.

**Glassman adds cloud dynamics.** He models the effects when the sun's heat output, S, increases by an amount ΔS. More heat disperses clouds, letting more sunlight strike Earth, **amplifying** the solar effect (**positive feedback**), *putting the solar imprint on Earth's total heat flow*. Earth warms, evaporating water, a delayed effect that increases clouds, cooling us by blocking sunlight from getting to Earth, (i.e., **negative feedback**). Glassman derives equations embodying these two feedbacks.

**Glassman adds ocean dynamics.** Solar heat is stored in the ocean for various time delays, as inferred via curve fitting. At *each year* of IPCC's total-solar-irradiance (TSI) curve, Glassman does running linear trends over previous years, for *each time span* from 11 to 200 years. Like IPCC, he graphs the trend as **percentage gain in TSI divided by the starting value of TSI**.

**Wang's solar heat curve**, as its % gain for a time delay of 134 years (see Glassman for analysis), fully accounts for IPCC's global temperature from 1850 to 2010 (graphed below); i.e., solar heat input (in red) tracks between **IPCC's** maximum (purple) and minimum (blue) annual global air temperatures. Glassman's equation for solar input of the red line was:  $T(t) = 17.50 S_{134}(t-10) + 13.55$  °C.

Note that T = temperature anomaly from the 1961-1990 mean, and t = years.



To be continued in the next *Freedom Matters* Issue.

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