

Howell 150627 Electric Universe - Climate & Svensmark Milankovic, Dark matter - Veizer-Shaviv

www.BillHowell.ca 27Jun2015 initial draft of a shrt note for email

Richard Moore's presentation of "Pulsating universe and planet Earth" at the Electric Universe 2015 conference in Phoenix Arizona, 26Jun2015, tied concepts from the Electric Universe to climate cycles for glaciation, Dansgaard/Oeschger ice rafting events, and other events. It was a refreshing and thought provoking presentation, pregnant with great questions.

The following is a very incomplete, rapid fire responbse to the presentation, hopefully in time to provoke a response before the end of the conference.

Status as of ?date?:

- quick note - not intent to further elaborate

endpage

Waiver/ Disclaimer

The contents of this document do NOT reflect the policies, priorities, directions, or opinions of any of the author's past current, or future employers, work colleagues family, friends, or acquaintances, nor even of the author himself. The contents (including but not restricted to concepts, results, recommendations) have NOT been approved nor sanctioned at any level by any person or organization.

The reader is warned that there is no warranty or guarantee as to the accuracy of the information herein, nor can the [analysis, conclusions, and recommendations] be assumed to be correct. The application of any concepts or results herein could quite possibly result in losses and/or damages to the readers, their associates, organizations, or countries, or the entire human species. The author accepts no responsibility for damages or loss arising from the application of any of the concepts herein, neither for the reader nor third parties.

Copyright © 2015 Bill Howell of Hussar, Alberta, Canada

Exceptions:

- All papers cited are the property of the publisher or author as specified in the books and papers.
- All information from conversations with other individuals are potentially the property of that individual, or of third parties.

Permission is granted to copy, distribute and/or modify ONLY the non-third-party content of this document under either:



The GNU Free Documentation License (<http://www.gnu.org/licenses/>); with no Invariant Sections, Front-Cover Texts, or Back-Cover Texts.



It is expected that users of the content will:

- Acknowledge William Neil Howell and/or the specific author of content or images on this page as indicated, as the source of the image.
- Provide a link or reference back to this specific page.
- Allow any modifications made to the content to also be reused under the terms of one or both of the licenses noted above.

endpage

Table of Contents

Table of Contents

Introduction.....	3
Climate over the last 7.5ky - Grand Solar episodes & society.....	3
Climate over the last 100 ky and more - Dansgaard/Oeschger ice rafting events.....	3
Climate over the last 6 My - Milankovic cycles.....	3
Climate over the last billion years or so - Wandering around and bobbing up and down in the Milky Way.....	4
Birkeland currents & apparent wandering of the stars?.....	5
Saturn as the second Sun.....	5
Climate at all timescales - Henrik Svensmark's Cosmic/Galactic Rays.....	5
CERN lies, but lead scientist salvages results.....	6
Dark matter & Energy - an Electric Universe explanation, inspired by Veizer/Shaviv.....	6

Introduction

Here are several VERY QUICK comments following Richard Moore's presentation.

Climate over the last 7.5ky - Grand Solar episodes & society

I won't say much about this - referring only to a [crazy, one-dimensional, naive] theory of my father and I ("... the two fools who rished in ...") for the rise and fall of civilisations over the last 7.5 ky.

Climate over the last 100 ky and more - Dansgaard/Oeschger ice rafting events

I won;t say much here, except that the 1,500 year or so cycle referred to by Richard Moore fits in well with the myriad of long-identified climate-astronomical paired periodicities (in a loose Fourier-spectrum context, wavelets etc).

Climate over the last 6 My - Milankovic cycles

Milankovic extended the work of several other scientists over decades, and used Earth orbit eccentricity, and Earth axis [obliquity, precession] to provide a rough description of glaciation cycles over the last 6 million years or so (most intense over the last 1 My). While this theory has many major flaws, it is the main conventional explanation of the glaciation cycles, and is at least easy to understand

as it provides a simple gravitational-based context.

[23Sep07 Glaciation models for the last 6 million years](#) - draft and very incomplete paper, but at least it gives you an idea of the direction my recent work is going to provide background to the "Mega Life" paper (now on hold to Q1 2008)

[23Sep07 Glaciation models](#) - data, software, and results - -6 to +1 MyBP at 1 ky intervals, from 45° to 90° latitude North & South. The extensive data tables could save you some programming and digging around?

Climate over the last billion years or so - Wandering around and bobbing up and down in the Milky Way

There are many astronomical models for the seven major "ice-box" periods of Earth's history, of which some are listed in one or another of my website postings. These usually involve longer-term movements of the solar system within the Milky Way, including :

- **passing in-and-out of the spirals of the Milky Way** in and elliptical orbit (this is the hint that I used for the "Dark Matter" section below!) (~140 My? I forget - but variable)
- **bobbing above-and-below the galactic plane** (~30-70 My if I remember correctly)
- others that I forget for now.

The first one that I ran across was by Jan Veizer and Nir Shaviv, and is based on combining astronomical and geological data to estimate the "passing in-and-out of the spirals of the Milky Way". They were severely criticised for their work, but I took time reading through many of the criticisms and feel that the critiques were mostly highly [dishonest, dysfunctional, delinquent, hypocritical, cowardly], even though many good points were raised. I just saw a presentation in Cagary by Nir Shaviv, and in response to my question on the critiques, he said that only one held water, and they adjusted later results accordingly. Shaviv regularly points out the work of Svensmark and his predecessors/colleagues.

Nir Shaviv, Jan Veizer "Celestial driver of Phanerozoic climate?" GSA Today, July 2003, pp4-10

Scherer, Veizer, Shaviv et.al. 2006 "Interstellar-Terrestrial relations: variable cosmic environments, the dynamic heliosphere, and their imprints on terrestrial archives and climate" Kluwer Academic Publishers, Netherlands, 2006 ~163pp

[04Jul07 A Galactic Theory of Climate](#) - by Steve Wickson. mass extinctions, glaciations etc over the last 540 million years or so!

Birkeland currents & apparent wandering of the stars?

I have long felt that the concept of the solar system "passing in-and-out of the spirals of the Milky Way" was strange. And here is perhaps an important point :

Perhaps it isn't the stars that spiral, but that several other phenomena may also occur :

- "compression waves" spiral through the stars faster than the stars themselves revolve around the Milky Way
- **stars are only visible when "ignited" by the spiraling galactic currents. There may not be any voids - so much as there are dark-mode regions of the galaxy.**
- many other ideas could be added here, but I'm out of time.

Saturn as the second Sun

Dwardu Cardona's emphasis on Saturn as being a captured brown dwarf star, could also find support by making a simple assumption of changes and disturbances of our solar systems Birkeland current(s). Why not a secondary, temporal star, perhaps well-placed to take a current surge within our solar system, even for very long periods of time? That doesn't negate a Saturn capture, but may compliment it.

Why not extend the concept to Velikovsky's description of Mars and Venus (and even Venus-from-Jupiter)?

Remember, the energy requirements are trivial compared to what we see from the sun, and even what we see from the sun is probably trivial compared to historical events it has undergone (here the EU-mythology connection).

Climate at all timescales - Henrik Svensmark's Cosmic/Galactic Rays

More recently, work by Svensmark and others (see below) has been extended for at least a portion of the last glaciation cycle, and I think more if not most of the last 1 My. To me, and as a comment from a geologist who I consider to be perhaps Canada's greatest climate scientist (even though he's not a climate scientist), the cosmic-galactic ray theory (amplified by cloud cover , and to me probably many other mechanisms) is the best current descriptor of climate data on all scales, from days to perhaps 250 kY.

Furthermore - this is a perfect fit to the EU themes!!

Again, I'm out of time and can't say more right now, but provide only the reference to a now-outdated book I have.

Svensmark & Calder: "The Chilling Stars - A New Theory of Climate Change", - oops, I'm missing the publisher, pages, ISBN, website etc...

Henrik Svensmark 2008 "Cosmic rays and Earth's Cloud Cover" Danish Space Research Institute, Copenhagen www.dsri.dk/~hsv/

CERN lies, but lead scientist salvages results

As yet another example of mainstream scientists stabbing creative thinkers in the back perpetually, CERN launched a major project which one suspects was mostly driven by the desire to destroy Svensmark and his low-budget team. However, results didn't work out that way, but publication was mysteriously and significantly delayed, and when published one had to search all over to find the "well-hidden" confirmations of Svensmark's work (apparently this confirmation was saved due to efforts by the lead CERN scientists, against the desires of the "organisation").

I guess CERN sucks almost as bad as NASA.

Dark matter & Energy - an Electric Universe explanation, inspired by Veizer/Shaviv

While many of the comments coming from the "Electric Universe" and "John Chappelle Natural Philosophy Society" (JC-NPS) are critical of the "dark [matter, energy]" situation, **ironically I find that the EU context is the best I've seen for explaining dark matter - as simply being "dark plasma mode" regions of galaxies and intergalactic space in which the stars and planets are low-energy and invisible.**

This could also probe the 20-fold or whatever ratio of dark matter and energy to what is out there.

I'm out of time and can't say more right now.

enddoc