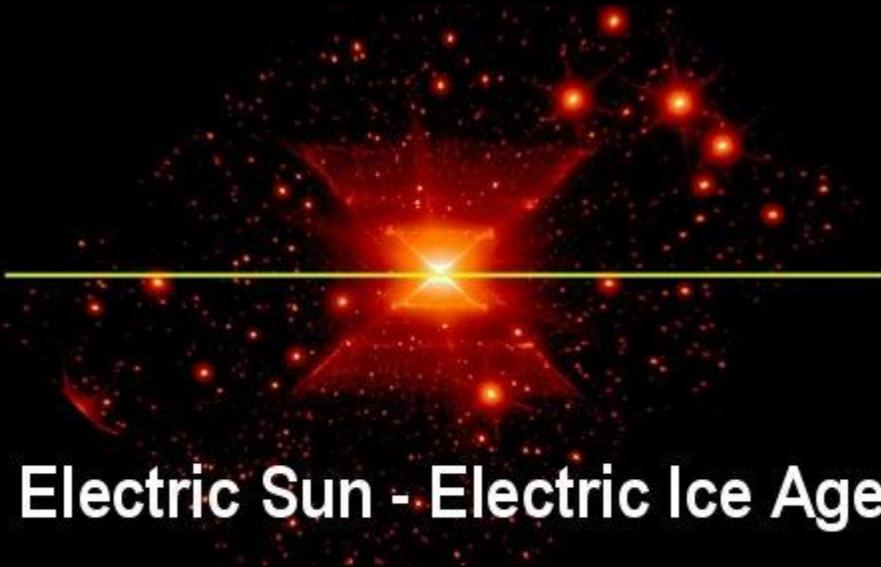


Ice Age Canada

Canada's Future Hangs in the Balance



Electric Sun - Electric Ice Age

By Rolf A. F. Witzsche – 2013 – Published by Cygni Communications Ltd. Canada

In love with our humanity

The next Ice Age may begin in 30 years. When it does, it comes upon us rapidly. The Sun may go inactive in a single day, or days. We will lose 70% of the solar energy flux that has made the Earth a planet for easy living throughout the past 12,000 years. Our living in paradise will end. The result makes the return of the Ice Age cycle an existentially critical subject for all of Canada and the world.

While the challenge is severe that the next Ice Age poses for all of humanity, we do have the technologies, materials, and energy resources on hand to meet the challenge, but will we apply them in time before the next Ice Age begins? Do we have enough love for our humanity in Canada to assure that our nation will survive the Ice Age Challenge, the greatest challenge in the country's entire history, and even prosper in the new environment, and develop Canada further in this new environment into a nation with the greatest prosperity ever? Will this be done. The choice exists.

Or will we choose to loose the country and our existence with it. What will the answer be?

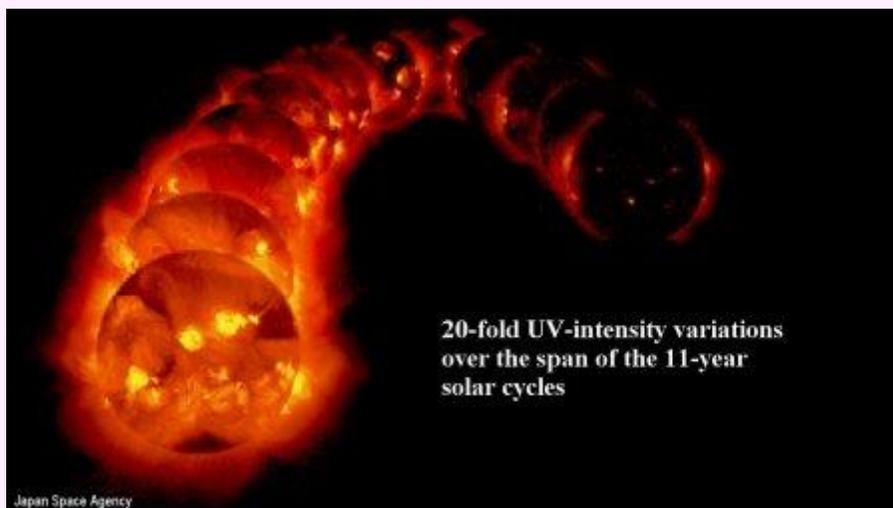
The answer depends on how we regard our Sun.

If we regard the Sun as internally powered by a nuclear-fusion process operating deep within it, which is the nearly universally promoted concept, then no rational cause exists for an Ice Age to occur. Consequently the steps will not be taken to prepare our world for the dramatic climate change that awaits us when the Ice Age begins, which may happen in potentially 30 years. If however, we would choose to look at the evidence honestly, which clearly indicates that the Sun is not a constant factor as the fusion-Sun theory would have it be, but is instead electrically powered at its surface, by cosmic plasma streams interacting with it, then we are half way home to acknowledging that the Sun can vary its radiated energy density in accord with energy-input fluctuations, and in extreme situations become inactive altogether. This puts the Ice Age dynamics into an entirely different context.

What evidence do we have

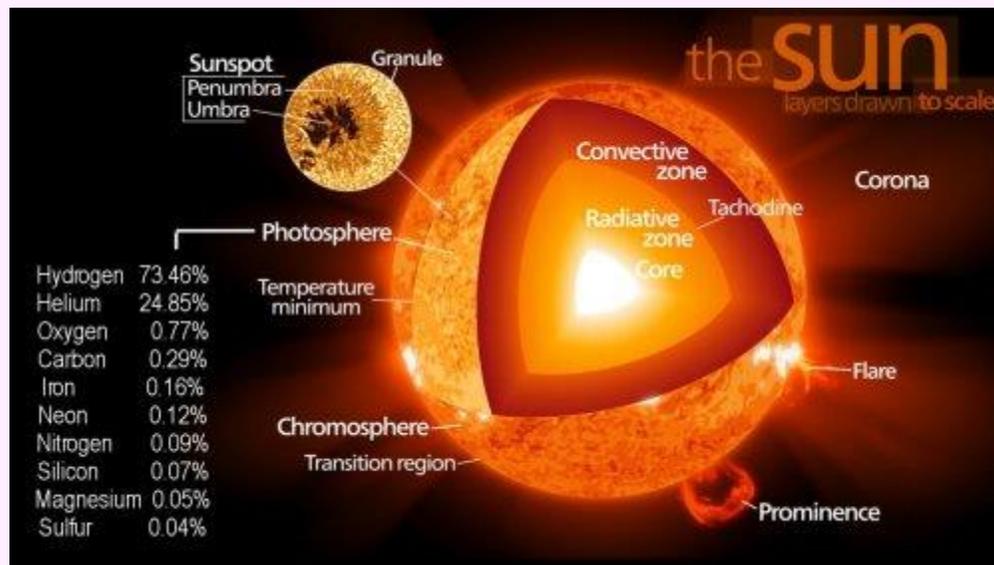
that the Sun is a variable, electric star?

The evidence shown below supports the electric-Sun theory. When seen in the high-power UV band, the Sun does go dim by a factor of 20 during the currently normal 11-year solar cycles, as photographed by the Japanese space agency.



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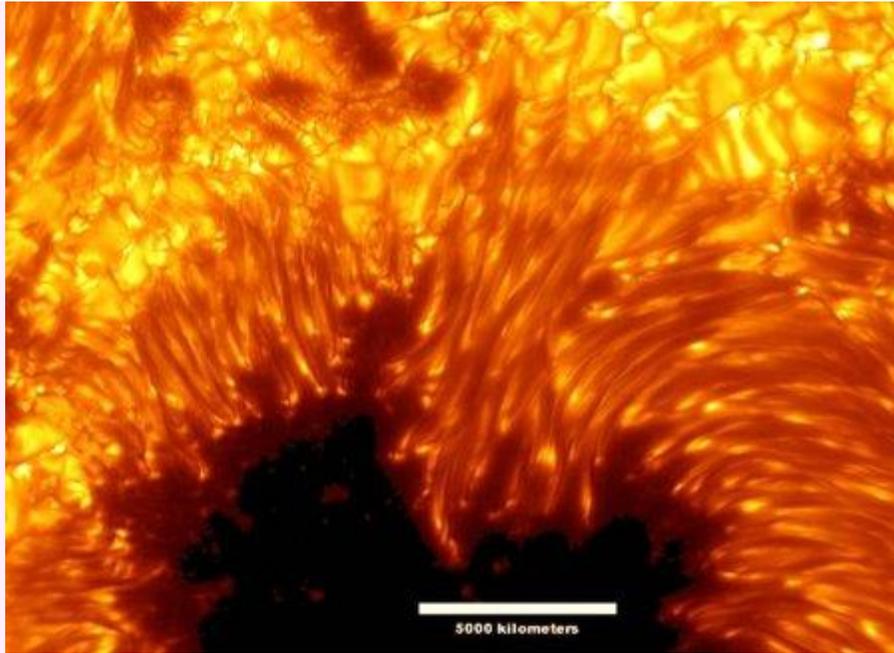
With these photos a small step is taken towards recognizing our sun as an electric star. Of course it is hard to imagine that our brilliant star in the sky will vary to such a degree that it can go inactive and dim under extreme conditions, remaining then powered by nothing more than its stored up residual energy. We have become accustomed to 'see' the Sun in terms of the widely accepted theory that our Sun is self-powered from the inside by a nuclear fusion process that actively produces energy deep within its core. Under this modern epicycle-type theory of the internal fusion sun, our Sun can never become inactive, but remains an invariable constant for all the climate considerations, which the evidence 'disputes.'



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Sure, in the visible light-band the Sun's radiation has remained nearly constant during all the brief span of time in which measurements were made. The large fluctuations (shown above) by a factor of 20, have remained limited to the invisible light-band so far, the high-energy band. Nevertheless, the fusion-sun model begins to break down there. Such large fluctuations should not occur for an internally powered mass.

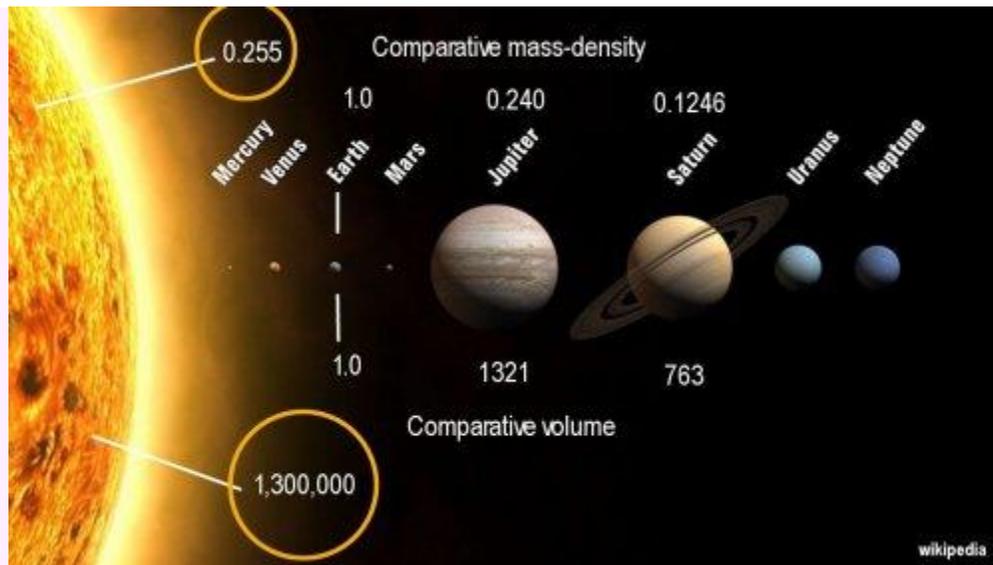
If we look further, much stronger evidence also comes into view that our Sun is not an internally heated nuclear fusion star, but is an electric star that is actively powered at its surface by electric plasma interaction. This fact is plainly visible by looking through the umbra of the sunspots.



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Sunspots are areas on the Sun where the energetic surface reaction has been interrupted. The umbra of the sunspots provides a visual portal into the inner Sun. And what do we see by looking through this portal? We see a much darker and colder Sun inside. We would see the Sun being brighter on the inside if it was internally powered. A number of theories are fielded to explain away this paradox, which like so many epicycles are but attempts to twist the evidence to justify the fundamental assumption of the entropic self-powered Sun.

In the real world, the umbra of the sunspots give us a glimpse of what the Sun really does look like inside. And that's not an enigma. What we see is precisely what one would expect to see for a sun that is essentially a sphere of plasma, instead of a sphere of atomic gases. Plasma particles are 100,000 times smaller than atoms, are electrically charged, and are thereby repulsive of each other, enabling a much lower mass density than is common for gas planets.

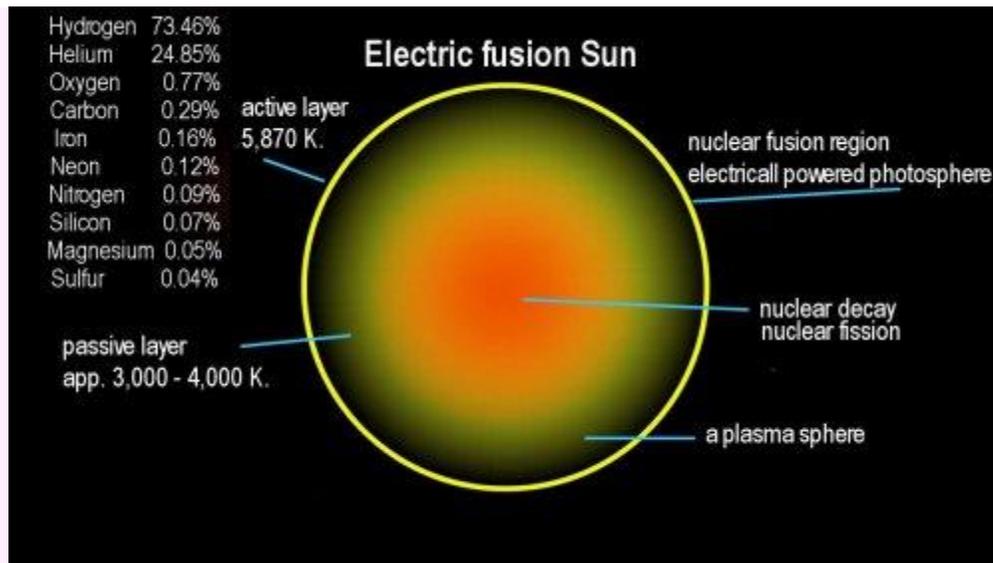


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The mass-density of the two large gas planets in the solar system is roughly in direct proportion to their volume. Jupiter, for example has double the mass density than Saturn, as its larger volume, and stronger gravity compresses its gases more densely. By this consideration the Sun, which has a 1000-times greater volume than Jupiter, should have a thousand times greater mass density than Jupiter, but it hasn't. Its mass density is the same. No amount of thermal gas expansion can justify this vast mass-density paradox. However, with the Sun being a sphere of plasma, the strong internal electric repulsion would result in the low mass-density that the Sun has. Thus, again, the fusion-sun theory is disputed by the measurable evidence.

In addition, the theory that the Sun is a gas sphere is disputed by the dramatic evidence of its extremely, near-perfect, spherical shape. It completely lacks the equatorial 'flattening' that is typical for spinning planets (Saturn = 9.79%; Jupiter = 6.14%; Earth = 0.335%; Sun = 0.000009%). Its perfect spherical sphere puts the Sun into a class all by itself, as a plasma sphere rather than as a gas sphere, on which the theory of the internally heated (nuclear-fusion powered) Sun depends. It adds one more item of evidence that the Sun is an electric star and is electrically powered on its surface.

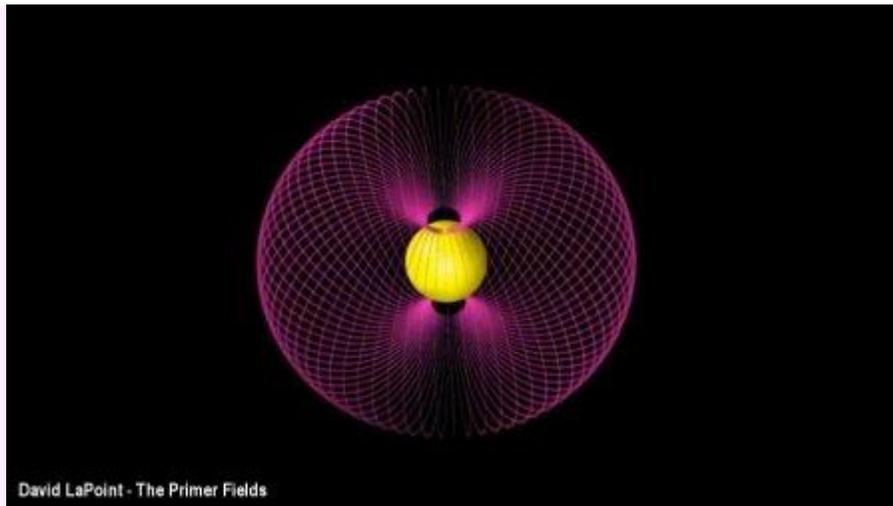
This does not mean that solar nuclear fusion is not happening. It only means that it is happening on the surface of the Sun, and that it is happening much more intensely there than the fusion-sun theory would allow. The evidence suggests that all the atomic elements in the solar system were synthesized by powerful plasma interaction on the surface of the Sun.



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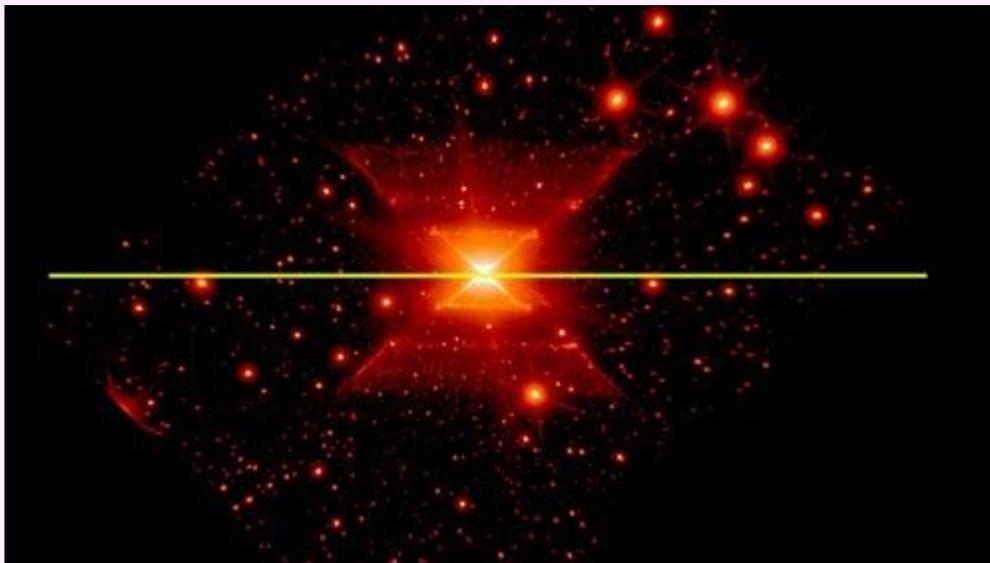
The surprising evidence is, that the ratio of elements that has been recognized on the surface of the Sun, matches, even at the current weak state of the Sun, fairly closely the universal cosmic-abundance ratio that has been observed throughout the galaxy. Some of the synthesized atomic elements flow away with the solar winds and are absorbed by the planets. Some are evidently also absorbed by the Sun, attracted by it's gravity, where they necessarily fission apart under the immense plasma pressure at the core of that Sun.

Since the Sun is evidently electrically powered, the fiery surface reactions can stop when astrophysical conditions occur that cause the electric plasma streams that power the Sun, to collapse. When this happens, an Ice Age begins. Such a case occurs when the plasma density that powers the solar system drops below a minimum threshold, below which the electromagnetic primer fields collapse that presently focus interstellar plasma streams tightly around the Sun, creating a high-density and high pressure plasma environment, which is required for the Sun to become electrically active.



The theory of the electric universe has been pioneered more than a hundred years ago by Hannes Alfvén who received the Nobel Prize for his discoveries in plasma astrophysics, with plasma being the electric life-blood of the Universe. The electric-Sun theory quickly emerged from this background. The theory had only one major flaw. The measured plasma density in space, as far as our instrumentation could reach, was deemed insufficient to power an electric Sun.

This barrier, that the Electric-Sun theory ran up against, has recently been overcome by the experimental work of David LaPoint, who demonstrated the principle of electromagnetic Primer Fields, which when the fields form, focus plasma into a tightly packed sphere of high density around a polarized object, such as a sun.



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An extremely large example in principle, of the resulting plasma structures, is evident in the Red Square Nebula formation in our galaxy. The nebula displays all the

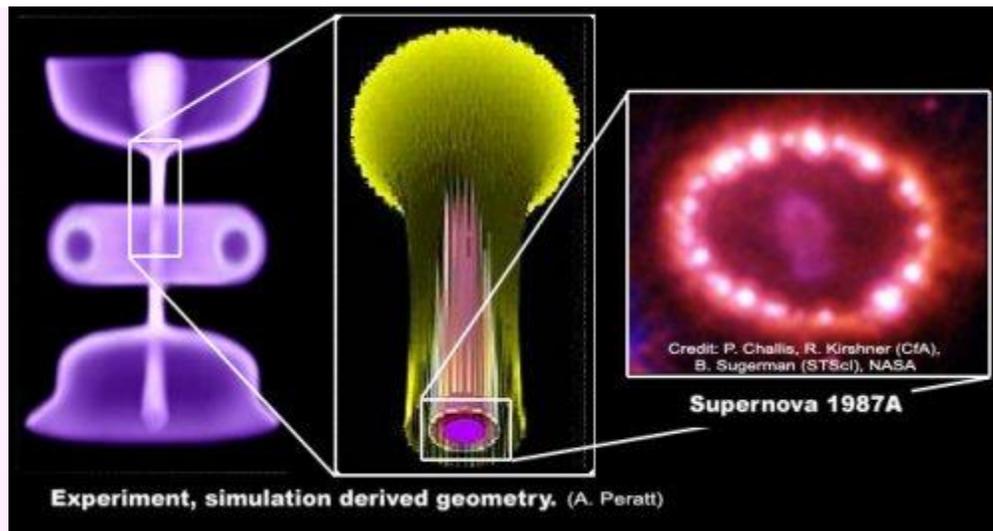
critical features of the Primer Fields that have been discovered by David LaPoint in laboratory experiments. The nebula thereby illustrates in principle, the electric model by which the solar system evidently operates. The orientation of the planetary ecliptic, which is not a visible item, has been added to the above photograph, in accord with what has been observed in principle in the laboratory with an 'ecliptic' extending outward from the focused sphere.



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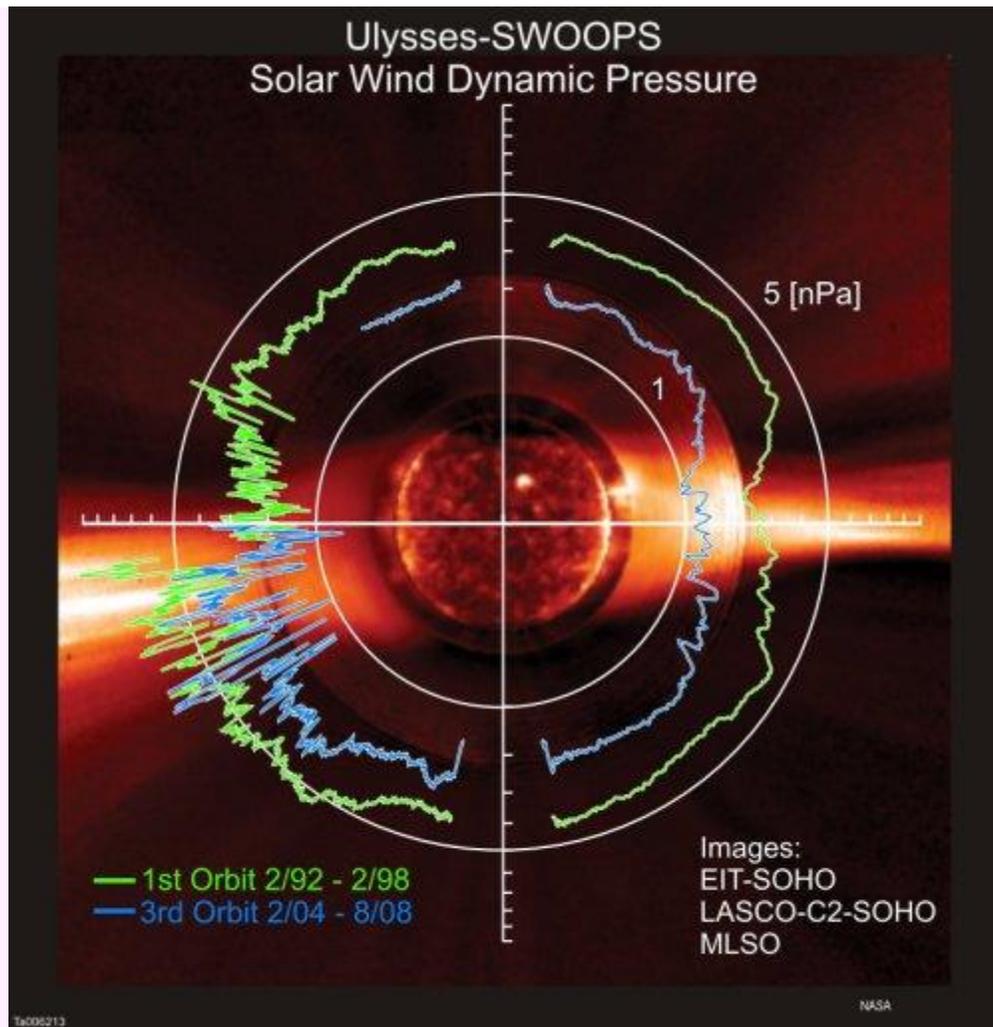
Also, the laboratory experiment shown above, revealed that the Primer Fields do not form below a minimal plasma density threshold, which means that, inversely, the fields collapse when the minimal threshold is crossed that is required to sustain the resulting type of electromagnetic system. Consequently, below this threshold, the Sun becomes inactive and remains inactive until the density is increased again for the primer fields to form anew.

Further evidence of the operation of a focused-plasma model has been produced experimentally under the direction of A. Paratt at the Los Alamos National Laboratory.



In this experiment the magnetic fields that cause the plasma focusing are spontaneously formed by the electric plasma current in a high-energy discharge experiment. The experiment is conducted without a central sun as a catalyst. It illustrates the principle of an ecliptic forming. It also illustrates that the intensely focused plasma streams become tightly self-confined by their own magnetic forces. This phenomenon of tightly packed energy streams may have been what NASA's Ulysses satellite had encountered. The satellite had been placed into a polar orbit around the Sun at a distance roughly equal to the distance of Jupiter from the Sun. The satellite's primary function was to measure the solar-wind distribution. The measurement was disrupted in a narrow arc over the poles where the plasma inflow, and outflow streams would be located, in and out of the plasma-sphere surrounding the Sun. Evidence exists that some features of the above plasma experiments may have been visible on Earth during the high-power times of the interstellar optimum, or in earlier times when the Sun was powered up out of its Ice Age 'sleep' period.

(for more details see my video: [Ice Age of the Dimmer Sun in 30 years](#))



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[See the path of its orbit](#)

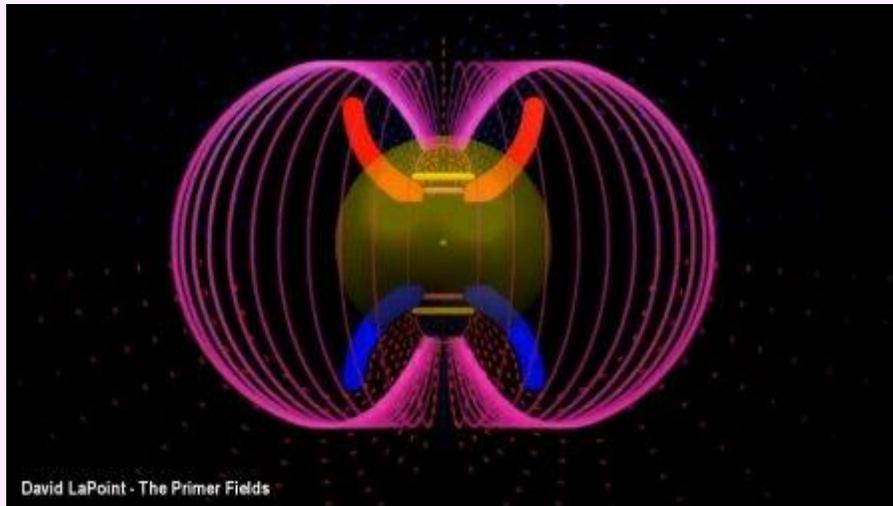
It has also been instrumentally measured that the electric density in the solar system is presently in a state of change, and is diminishing. Between 1998 and 2008, NASA's Ulysses spacecraft had measured a 30% reduction of the solar-wind pressure, and of the underlying solar magnetic field.

These are gigantic reductions that the spacecraft has measured during its ten-year mission of polar orbits around the Sun. While the mission has been terminated in 2009, for political reasons, sufficient secondary evidence exists that tells us that the weakening of the electric environment in the solar system is continuing.

For example, the 23rd solar cycle was radically weaker than the previous one, and the 24th cycle, the current cycle, is dramatically weaker again, so much so that the next cycle, the 25th solar cycle, may not have any sunspots at all. If this observed weakening trend persists for several more cycles, the electric density in the solar

system may drop below the minimal threshold for the Primer Fields to form, which thereby necessarily collapse.

This point, the point of the collapse of the Primer Fields, and with it the end of the active Sun, could be upon us in potentially 30 to 40 years from the present if the rate of diminishment that the NASA spacecraft has measured, continues. Of course the collapse of the Primer Fields will have extremely large consequences both for the Sun and for us on the Earth.



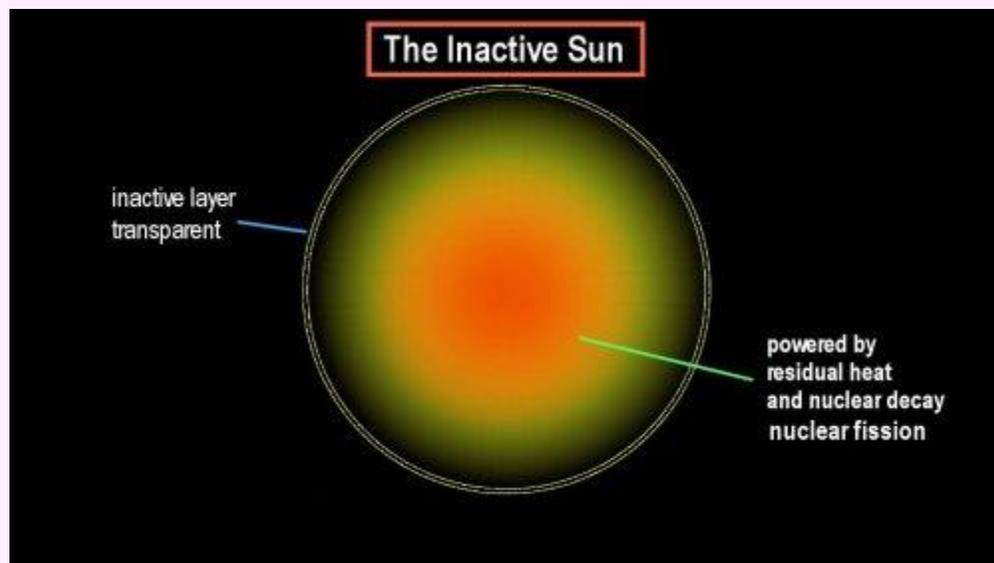
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David LaPoint illustrates the principle involved in the operation of the Primer Fields based on his laboratory experiments, which he presents in a number of videos. (See: [The Primer Fields - Part 1](#) - [The Primer Fields - Part 2](#) - [The Primer Fields - Part 3](#))

More types of evidence exist that the Sun, and with it the solar system as a whole, exist as a vast dynamic system of electromagnetic forces interacting with each other and with gravitational forces, and other effects of mass and energy, and that this large dynamic system is not self-powered, and self-created, but is powered and originated by cosmic streams of plasma (electric) energy that pervade the galaxies and the cosmos as a whole. Our Sun and planets are definitely not isolated entities, but are elements of vastly larger systems and are affected by the electromagnetic dynamics of the larger systems. In this context our ice age epochs and the ice ages within them are essentially cyclical 'fringe' events within the resonance dynamics of these larger systems. Some aspects of the electric resonance dynamics are evidently local resonances within the solar system itself, like the 11-year solar activity cycles. The longer resonance cycles that interact and cause the Sun to become inactive are

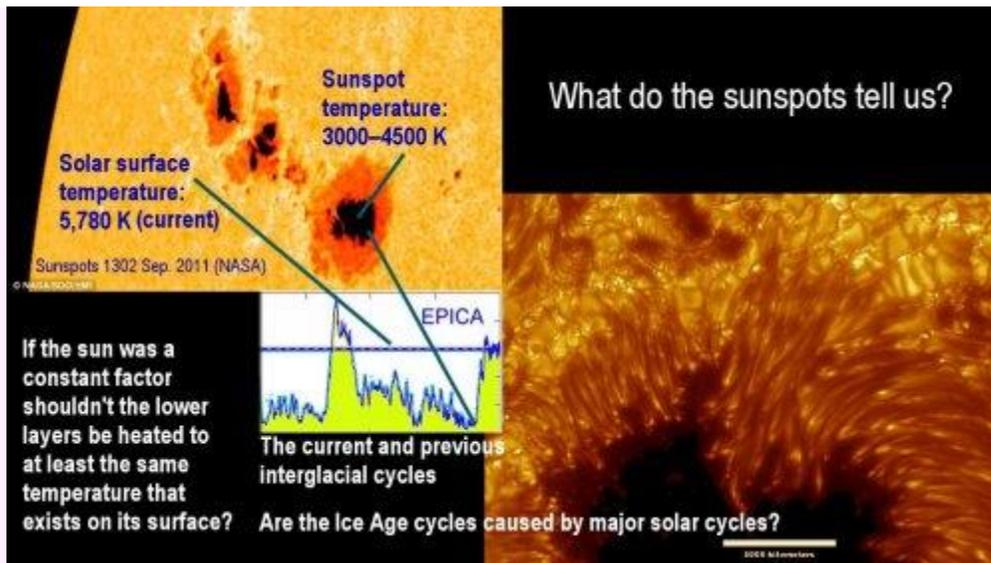
evidently inherent in much larger dynamics systems, systems that can only be seen and understood by their effects. Fortunately, our incredible intelligence as human beings enables us to discern behind the evidence the principles that are expressed in the larger causes, which enables us to project their effects into the future that makes it possible for us to safely make the large efforts to advance our platforms in living to higher forms of creative power with which we can offset the diminishing natural power that is inherent in the ice age cycles.

When the Primer Fields collapse and the Sun goes inactive, the presently active layer becomes transparent. What we will then see is residual heat and energy released by nuclear decay. This is essentially what we see by looking through the umbra of the sunspots.



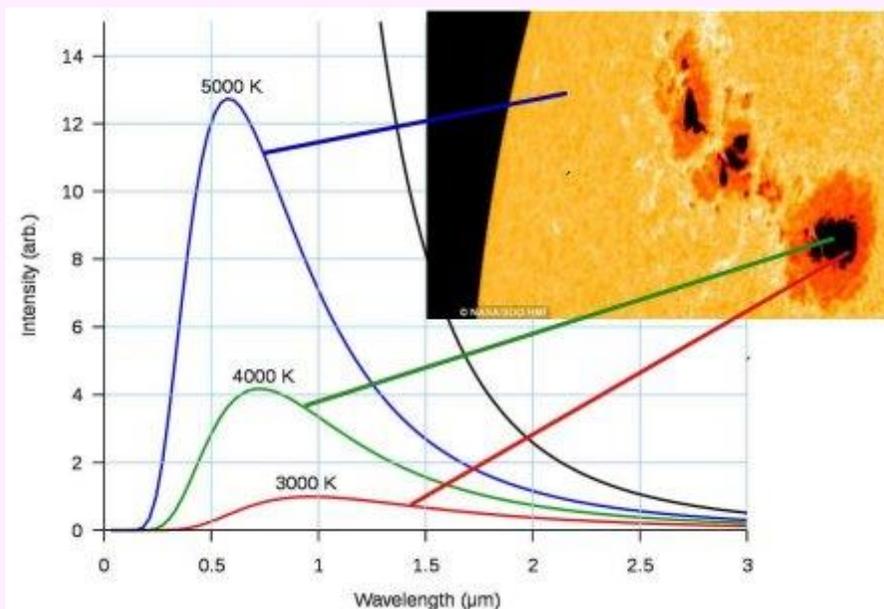
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Thus, when the Sun falls back to its inactive mode, after the Primer Fields have collapsed, whereby its energy density falls back to the intensity-level that we presently see in the umbra of the sunspots, we will have restructured the base of our living in such a manner that we can utilize the diminished natural solar energy more efficiently, and in some cases augment it artificially. In this case, what we see today through the umbra of the sunspots, then becomes the face of the naked Sun. We will then see conditions developing on Earth that match those that had prevailed during the last Ice Age, which we have ample evidence of. In this context, the ice ages themselves are one more item of evidence that we live in a vast dynamic electric universe.



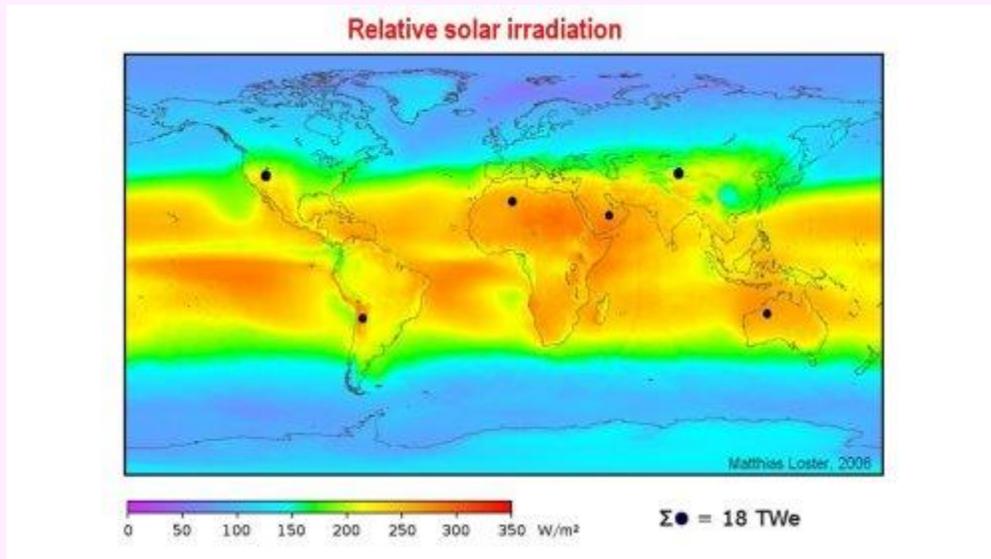
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What an inactive Sun looks like, of course, is evident in the sunspots. When the measurements that we get by looking through the portal of the umbra, are applied to the entire Sun, as would be the case when the entire Sun goes inactive, then we would be faced with having to live under a 70% darker and cooler Sun, as illustrated below by the radiation profile for the measured lower radiated temperature. This residual temperature would likely, gradually, diminish further during the course of the unfolding Ice Age. This is what we need to prepare ourselves for, and restructure our world to accordingly, to be able to meet our continuing needs. This we can do, by understanding the dynamics whereby we know what conditions we will face in the future, and when we will likely face them.



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We know for example, that due to the curvature of the surface of the earth and the tilt of the rotation axis, all areas north of the 40 degree latitude, will become essentially uninhabitable by the dramatic reduction of the radiated solar energy during an Ice Age. The chart below shows the current solar energy measured on the ground. It shows the sharp reduction of the measured surface temperature above the 40 degree latitude where the Earth's surface is tilted increasingly away from the Sun.

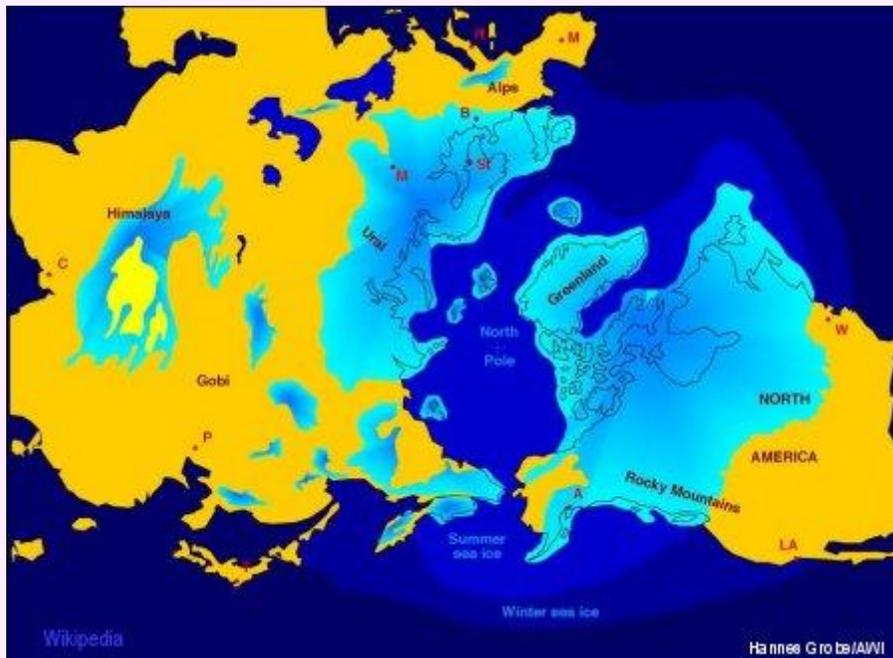


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The measurements indicate that under Ice Age conditions, the tropical regions will receive roughly the same, or slightly less, solar radiation intensity, than the amount of solar energy that the northern regions above the 65 degree line do presently receive. This means that some form of agriculture will be possible within the band of the tropics all the way through the coming new Ice Age. The continuing agriculture there, may perhaps need to be augmented to some degree with artificial sunlight, while above the 40 degree latitude, all forms of agriculture will essentially cease, and plant growth in general will largely stop.

One of the most critical factors for plant growth is the sunlight intensity. This factor diminishes rapidly, almost instantly, when the Ice Age begins. It diminishes much more rapidly than the climate will initially diminish, due to the residual energy located in the Earth itself. Unfortunately no means exist, or are known, to measure the critical historic sunlight intensity deep into the distant time of the last Ice Age. We can only 'measure' the temperatures and ice accumulations, and those are scary

in what they tell, reflecting an inactive Sun. Canada will be affected hard by this start of the next Ice Age.



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Canada is located deeply into the deep-cold region. Canada's entire area is known to have been previously covered in ice more than 10,000 feet deep during the last Ice Age, with permanent sea ice surrounding it. While it took 10s of thousands of years for the big ice sheets to form, the cold climate that results from a 70% cooler Sun (up to 50 times colder than the Little Ice Age had been in the 1600s) will relatively quickly and render the northern regions uninhabitable. This will happen in probably less than a single year. The subsequent ice accumulation that eventually piles up to over 10,000 feet deep, will then occur under extremely cold conditions, resulting from ice-fog condensation instead of snowfall in the standard sense.

Before we get to this point,

a number of fringe effects will affect us.

When the ULYSSES spacecraft measured the diminishing solar-wind pressure between 1998 and 2008, which affects the density and the shielding effect of the heliosphere of the solar system, the spacecraft measured a corresponding 20% increase of a certain type of high-energy cosmic-ray flux. With laboratory experiments having demonstrated that increased cosmic-ray flux intensifies the cloud forming process, we should see increased cloudiness occurring, and a

corresponding reduction in the water-vapour density in the atmosphere, and with it a reduction of the greenhouse effect. Both of these fringe effects are becoming already increasingly evident as we are getting deeper and deeper into the Ice Age transition time-zone.



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With the corresponding colder temperatures in the higher altitudes, clouds necessarily rain out faster, resulting in drought conditions in areas where longer water transport is required for rain to fall on land. As a consequence, fringe effects, such as drought conditions, flooding, and storms, will likely increase, both in area and intensity, forced by the dynamic effects of the systemic transition now in progress in the solar system. These drought conditions, like the California Drought Emergency, are not anomalies then, but are consequences of a systemic transition towards the start of the next Ice Age. Thus, these fringe effects will gradually increase over the next 30 years until the Primer Fields, which are presently getting weaker, collapse completely.

Tragically, without the recognition of the electric Ice Age dynamics, no policy basis is being established for counteracting the fringe effects, such as by implementing large-scale deep-ocean reverse-osmosis desalination systems to produce the freshwater that the natural system no longer has the capability to produce.

(see the video: [Freshwater Unlimited](#))

We should learn that we have the power as human beings to move with the transformation in the natural system, that for example, we have the capability on hand today to create rivers of freshwater flowing out of the oceans, and create

floating agriculture in the tropics far away from the Ice Age endangered regions in the world, and to have all of that in operation before the next Ice Age begins.



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In order to be able to continue to exist, we do need to have a brand new agriculture infrastructure created and in operation before the Sun goes inactive. This can be achieved by placing agriculture either into large-scale indoor facilities with artificial environments, or by spreading it across the tropical seas on floating platforms, for the lack of free land existing in the tropics.

While the needed infrastructures can be easily built in automated, large-scale industrial facilities, utilizing high-temperature nuclear power, or cosmic electric power, and basalt as feed stock, no intention exists presently to even consider such necessities, including in Canada, which would cease to exist if the needed infrastructures were not created.

The floating agriculture would of course also require the building of floating new cities, which too can be created with automated industrial processes with almost no effort and almost for free. The potential presently exists to do all of this to assure the continued existence of civilization and humanity with it on this planet.



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Canada, together with Russia and all of Europe, would be prime candidates to pioneer the large-scale world development on which their very survival now depends.

I am certain that all of these infrastructures will be created, and not because more than 99% of humanity will likely starve to death for the lack of agriculture if these infrastructures are not created. I think we will build these for a much-more imperative reason. We will build them, because it is the human thing to do. We are after all, a people who are builders and creators; builders of infrastructures for life, builders without limits in spirit and in deeds.

Naturally these large-scale building imperatives would wreck the looting engine of the global private monetarist system, the oligarchic system, and would thereby eliminate the entire system of empires from our planet and their wars, which is something that should have happened a long time ago already. We cannot build a great renaissance for living, with war and looting in the heart. The Ice Age Challenge may be a big enough challenge to rouse us at last to get out of this trap. No lesser challenge than the Ice Age Challenge might presently be sufficient to end wars on our planet and the system of the financier empires that demand war. Thus the freedom of the world may begin with considering the Ice Age Challenge seriously, and this should begin now while we have still time left to build ourselves up to meet the challenge, and in the process experience evermore of the power of our humanity.

[Home Page](#)

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