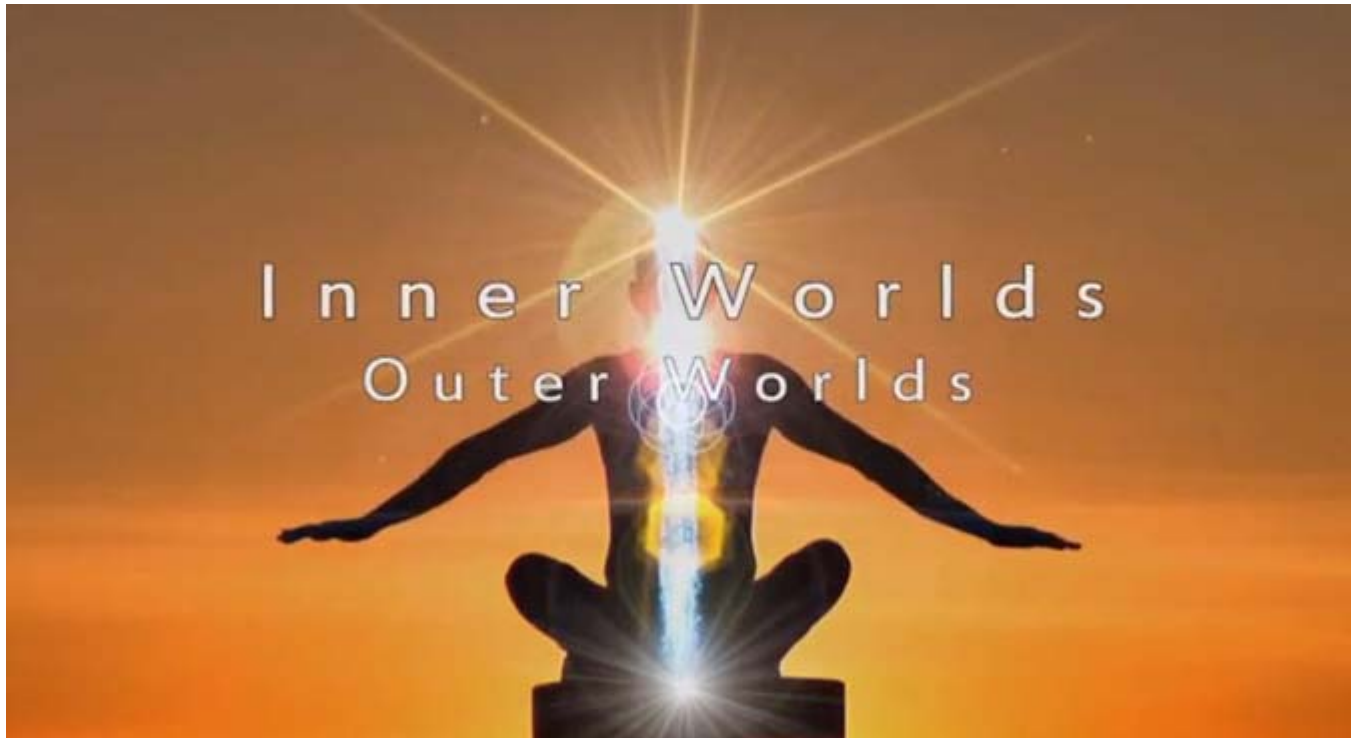


“The Universe Within & Without”



“It has been called Akasha, Logos, the primordial OM, the music of the spheres, the Higgs field, dark energy, and a thousand other names throughout history. Uncover details of the one vibratory field that connects all things in this stunning documentary.”

[Watch the trailer at gaia.com \(2:01\)](https://www.gaia.com/inner-worlds-outer-worlds-part-1-akasha)

[Watch “Inner Worlds, Outer Worlds – Part 1 – Akasha” on YouTube \(31:00\)](https://www.youtube.com/watch?v=...)

link submitted by Radheka Savoy

“Under the Sun”



Each color represents a different wavelength of extreme ultraviolet light. PHOTO: NASA/SDO/GSFC Visualization Studio

Nov 4, 2016

The Sun displays electric arc behavior.

The sun is new each day.

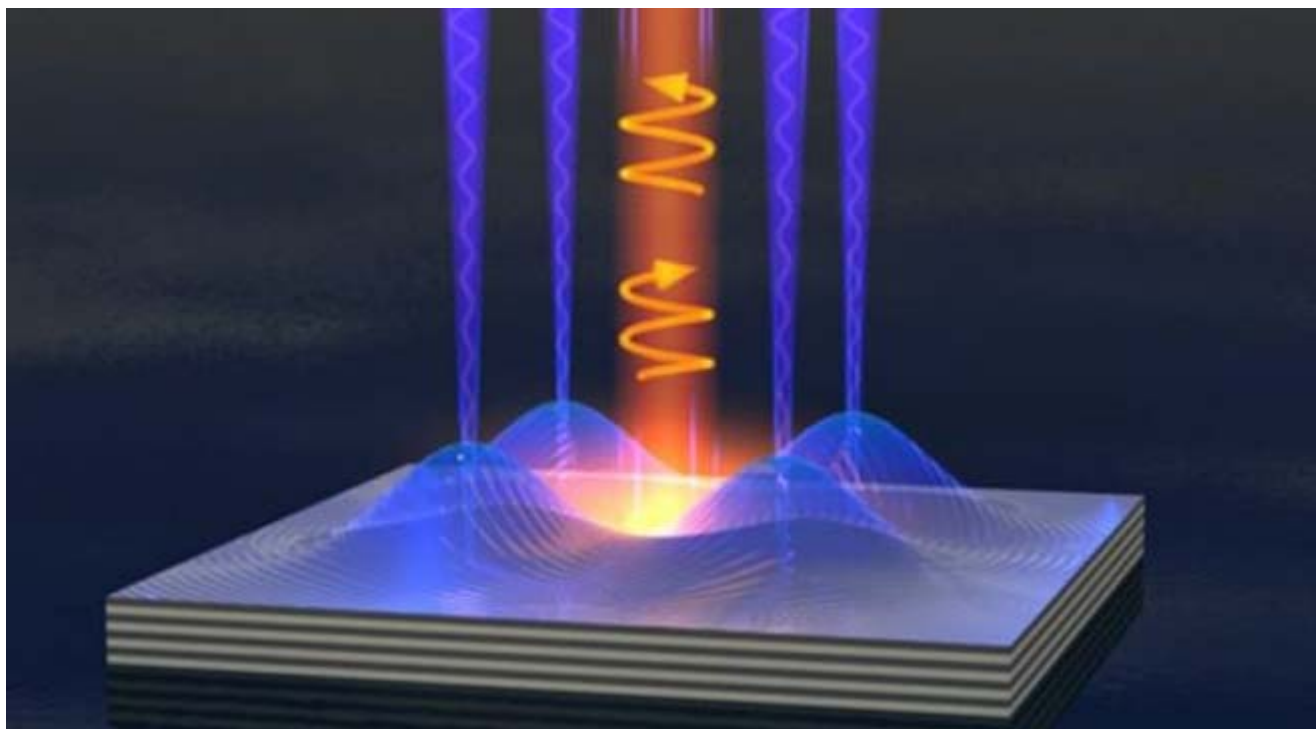
– Heraclitus

“The Electronic Sun theory presupposes that sunspots, flares, coronal heating, and coronal mass ejections are due to changes in the Sun’s galactic electrical supply. The contention is that the Sun is powered externally, and is not a fusion reactor. Instead, Birkeland current filaments carry electricity through the Milky Way, supplying the Sun with variable power.”

[Read the entire article online at thunderbolts.info.](http://thunderbolts.info)

link submitted by Robert Petrovich

“Scientists create liquid light, get one step closer to spintronics”



“Strange things go on when you push physics to extremes. Extending Moore’s Law to its physical conclusion, we run into problems like the traces in circuits being so small that electrons can quantum tunnel between them. But electrons aren’t the only thing we can use to carry data through circuits. Researchers from Cambridge University have created a semiconductor assembly that blurs the line between electricity and light, and they think we can commercialize it to make optical spintronics – using electron spin in electronics – a reality.

“‘We have made a field-effect light switch that can bridge the gap between optics and electronics,’ says Dr. Hamid Ohadi, coauthor, from the Cavendish Laboratory at Cambridge. ‘We’re reaching the limits of how small we can make transistors, and electronics based on liquid light could be a way of increasing the power and efficiency of the electronics we rely on.’

“It started when researchers caught a laser with a thin slice of semiconductor material in a tiny, mirrored microcavity. This arrangement forced the photons to interact with the

semiconductor excitons (excited electrons, bound to the “hole” created when they become excited) and produce a superfluid made of half-light, half-matter chimera quasi-particles called polaritons.”

[Read the whole article by Jessica Hall online at extremetech.com.](#)

link submitted by Frieda Nelson

**“Michael Armstrong: The
‘Culture Shock’ of Planetary
Catastrophe | EU2015 talk”**



Thunderbolts speaker Michael Armstrong PHOTO: Thunderbolts.com

[Watch the video online at Thunderbolts.com \(38 minutes\)](http://Thunderbolts.com)

Michael Armstrong will review the broad spectrum of human and cultural effects that followed from solar system instability and episodic catastrophe. These effects include earth's environment and ecology, physical changes in human biology, striking shifts in collective, cultural orientation, and a profound impact on human thought and behavior.

The two most prominent themes in Electric Universe research are the growing knowledge of the role played by the electric force in nature, from microcosm to macrocosm and the global impact of ancient planetary catastrophe on humankind, affecting every culture on earth. In this presentation, Michael Armstrong will review the broad spectrum of human and cultural effects that followed from solar system instability and episodic catastrophe. These effects include earth's environment and ecology, physical changes in human biology, striking shifts in collective, cultural orientation, and a profound impact on human thought and behavior.

Michael Armstrong is an original member of the thunderbolts.info editorial staff and has a formal science background in chemistry. He has studied the catastrophism reconstruction model for over 40 years and has lectured on catastrophism material at an international conference sponsored by the province of Milano, Italy and hosted by the University of Milano/Bergamo. Michael is the producer of various related video material and publisher of the books Thunderbolts of the Gods, The Electric Sky, and The Electric Universe.

(NOTE: This video is another production by Community member Gerry Simonson.)

[Watch the video online at Thunderbolts.com \(38 minutes\)](http://thunderbolts.com)

link submitted by Robert Petrovich

**“The Heart Has Its Own
‘Brain’ and Consciousness”**

The electromagnetic field of the heart

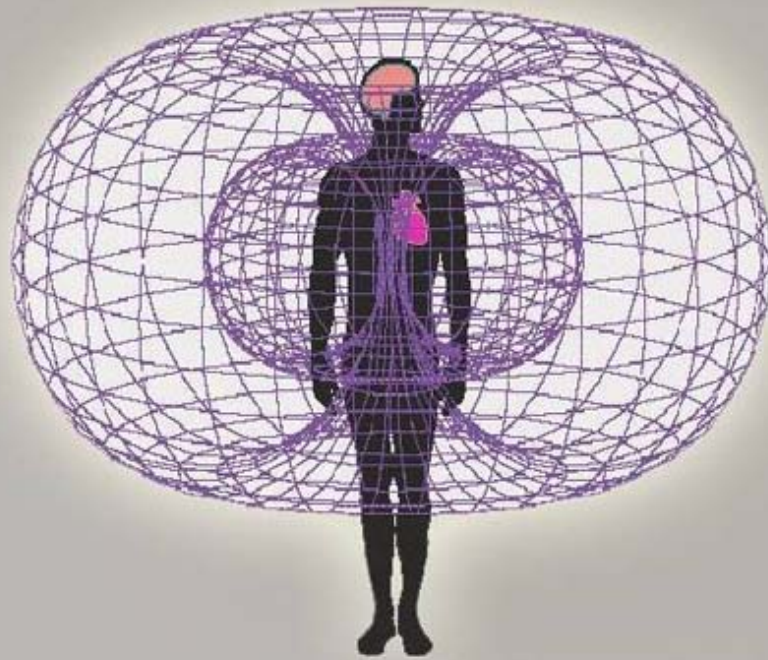


PHOTO: in5d.com

“Many believe that conscious awareness originates in the brain alone. Recent scientific research suggests that consciousness actually emerges from the brain and body acting together. A growing body of evidence suggests that the heart plays a particularly significant role in this process.

“Far more than a simple pump, as was once believed, the heart is now recognized by scientists as a highly complex system with its own functional “brain.”

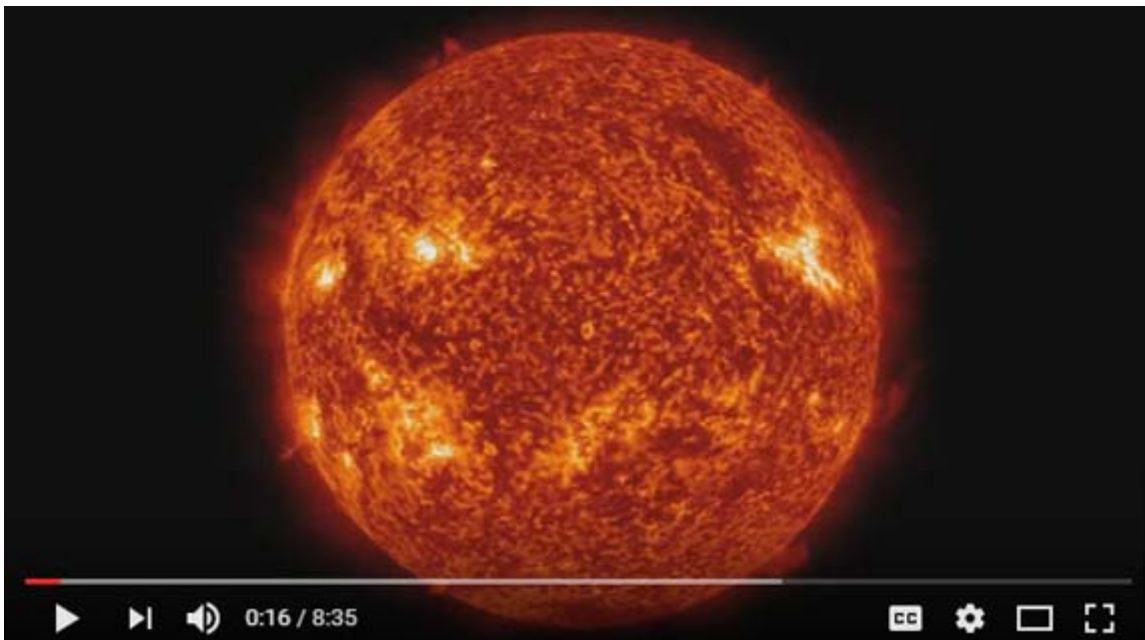
“Research in the new discipline of neurocardiology shows that the heart is a sensory organ and a sophisticated center for receiving and processing information. The nervous system within the heart (or ‘heart brain’) enables it to learn, remember, and make functional decisions independent of the brain’s cerebral cortex. Moreover, numerous experiments have demonstrated that the signals the heart continuously sends to the brain influence the function of higher brain centers

involved in perception, cognition, and emotional processing.”

[Read the entire article by Rollin McCraty, Ph.D., Raymond Trevor Bradley, Ph.D. and Dana Tomasino, BA online at in5d.com.](#)

link submitted by Ted Staver

“How Does the Sun Work?”



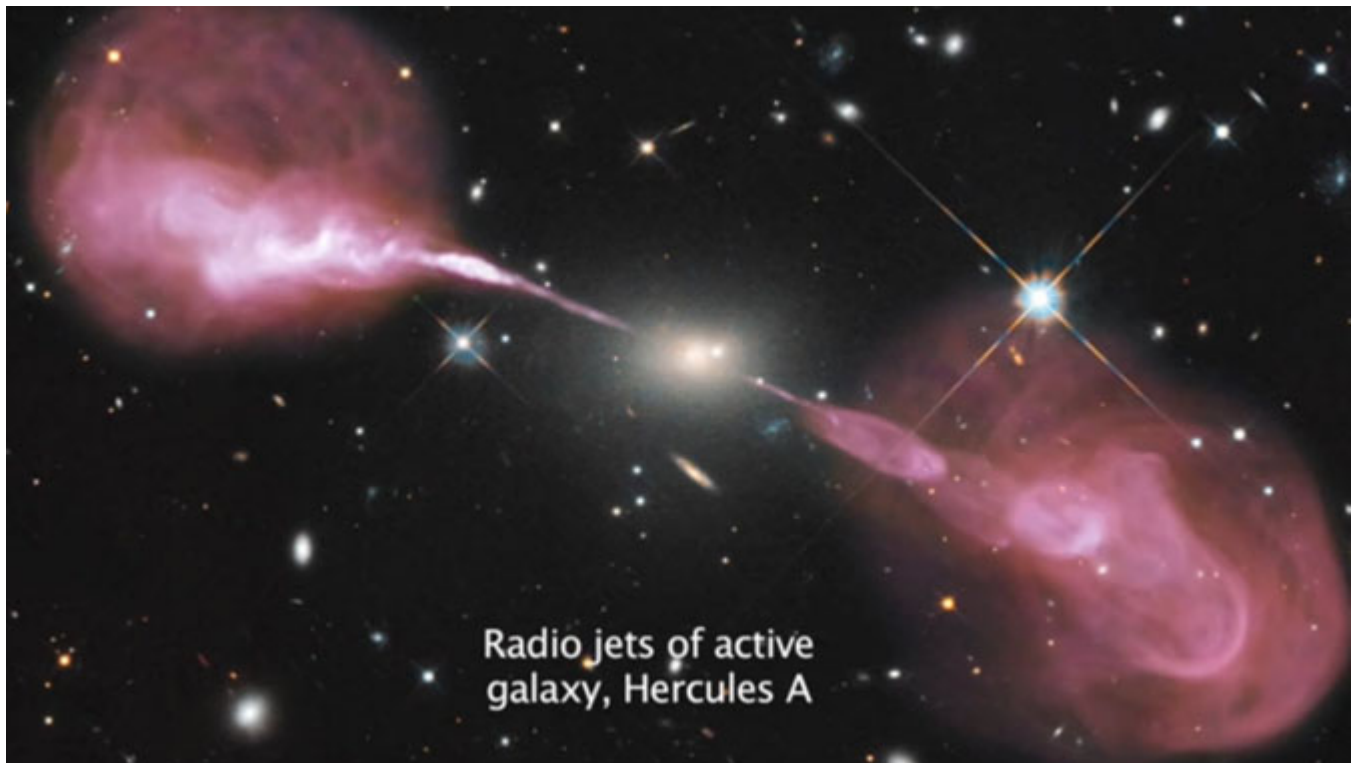
For the better part of a century, the scientific consensus has been that a nuclear reaction within the Sun causes the Sun's

light, heat, and radiation. But rather than confirming this model, modern space discovery has provided riddles and anomalies. Nevertheless, today, institutional science gives no indication of its readiness to explore theoretical alternatives in solar physics. In this episode of “Space News,” Nicholas Sykes contrasts the fundamental differences between the electric universe paradigm and the standard view of the Sun and all stars.”

[Watch “How Does the Sun Work?” on YouTube \(8:36 minutes\)](#)

link submitted by Robert Petrovich

“The Filamentary Universe | Space News”



“According to a recent press release, ‘... supermassive black holes in a region of the distant universe are all spinning out radio jets in the same direction.’ As Professor Romeel Dave from the University of the Western Cape wrote: ‘This is not obviously expected based on our current understanding of cosmology. It’s a bizarre finding.’

In this adaptation of the Steve Smith Picture of the Day article, Straighten Up, the significance of this finding is explored from the Electric Universe perspective.

[Watch the 7-minute video on this topic posted May 13, 2017 by Thunderbolts.com on YouTube.](#)

link submitted by Robert Petrovich

“Controversial study claims humans reached Americas 100,000 years earlier than thought”



“Broken mastodon bones hint that Homo sapiens wasn’t the first hominin to get to the New World.”

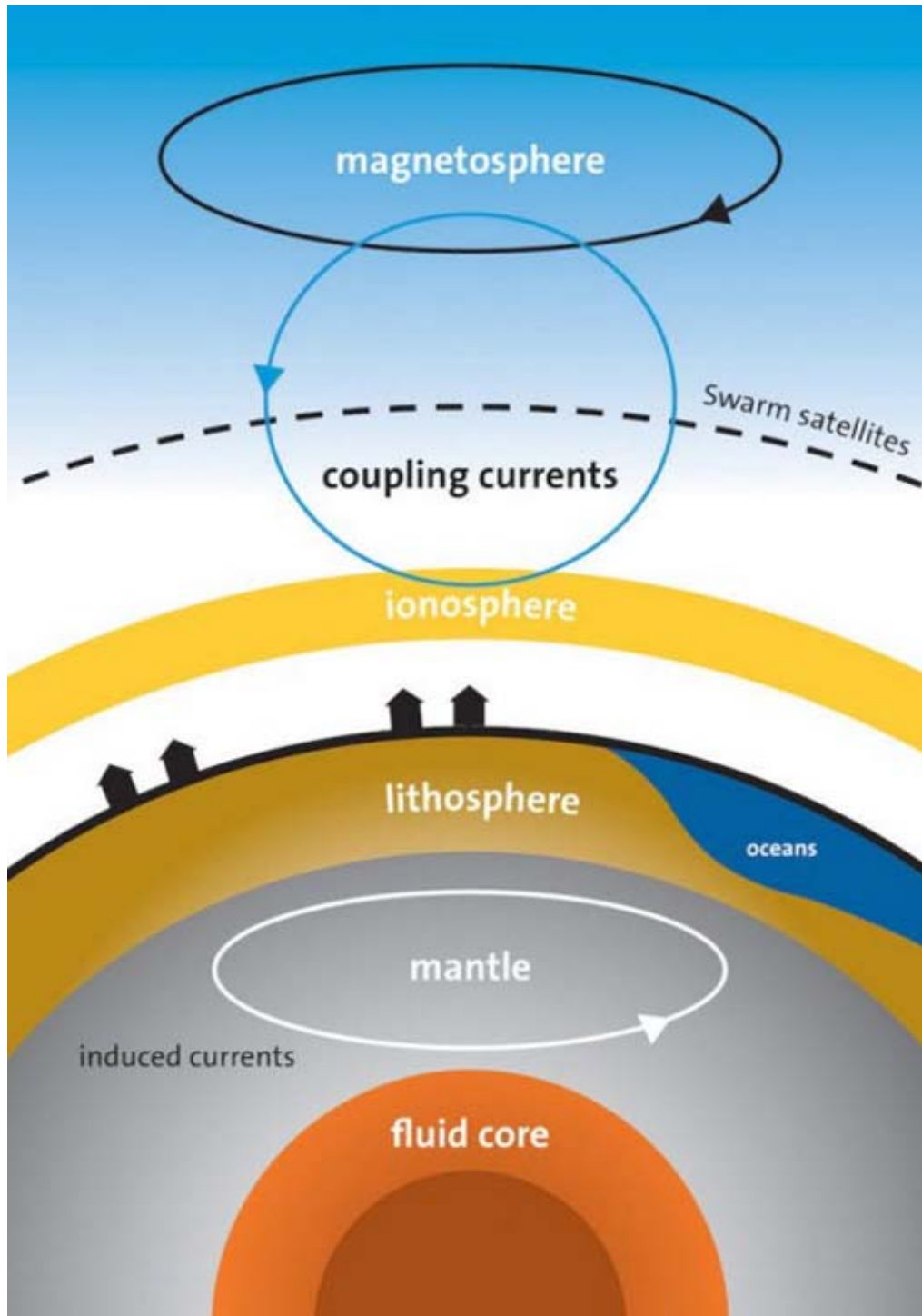
Many scientists hold the view that homo sapiens came to the Americas less than 20,000 years ago, but ancient rock and bone fragments discovered in southern California suggest humans may have been around more than 100,000 years earlier than originally believed. The controversial claim, outlined in a

study published April 26 2017 in the journal Nature, could mean humans settled in North America much earlier than most scientists accept. The article also includes a nice video where some pros and cons of the discovery are discussed.

link and review submitted by Michael McIntyre

[Read the entire article posted by Ewen Callaway 26 April 2017 on nature.com.](#)

“Clenched by Iron Bands”



A schematic of Earth's electrical connections.
PHOTO: ESA/DTU Space

“Earth’s electromagnetic field does not originate from a single source. Instead different areas generate greater or lesser fluctuating electromagnetism—exactly how it changes is not known. Swarm analyzes differences in the time signatures among the satellites, as well as electromagnetic flux density surrounding Earth’s fields, in order to determine what factors influence those changing fields.

“So far, Swarm data indicates that ocean water forms an electric current that, in turn, induces electromagnetic feedback in the mantle, a region between 30 kilometers deep under the continents and 5 kilometers below the ocean floor. Although the effect is small, it contributes to Earth’s overall intrinsic fields. An important note is that the electric charge flow is induced by coupling with the magnetosphere.”

[Read the entire article posted online by Stephen Smith from the Thunderbolts Project on January 2, 2017 at
thunderbolts.info.](#)

link submitted by Robert Petrovich

**“Mind-Altering Quantum
Experiment Shows Time Has
Never Existed As We Think It
Does”**



“ 2012 US National Medal of Science award winner Yakir Aharonov, who is regarded as one of the world’s leading quantum theorists published a paper in Nature Physics showing that the present is constrained by the past and the future. This means that what happens in the present can depend on what happened in the future, which makes no sense, as quantum physics rarely does. It also means that what happened in the past can effect the present. Seems strange, doesn’t it? It’s definitely something hard to wrap your head around.

“We choose to examine a phenomenon which is impossible, absolutely impossible, to explain in any classical way, and which has in it the heart of quantum mechanics. In reality, it contains the only mystery.”

Richard Feynman, a Nobel laureate of the twentieth century (Radin, Dean. Entangled Minds: Extrasensory Experiences In A Quantum Reality. New York, Paraview Pocket Books, 2006)

This isn't the first time quantum physicists have studied the structure of time."

[Read the entire article posted online March 25, 2016 at cosmicscientist.com.](#)

link submitted by Frieda Nelson