

# Science to Sage

International E-Magazine

- "THE SECRET OF LIGHT"
- WHICH BODY ELECTRIC, WHICH ELECTRIC SOUL?
- ELECTRODYNAMIC LIFE-FIELD & BODY ELECTRIC
- CAN LOVE BE MEASURED?
- THE ELECTRICITY OF TOUCH
- PSYCHO-ENERGETIC SCIENCE APPLIED TO THE MIND-BODY CONCEPT

# Bodies Electric

EXPANDING QUANTUM PHYSICS, & BEYOND?

THE NEW SCIENCE FOR LIVING



# Thoughts

## This Issue

The adventure for me this month has been to gain a deeper understanding of the elemental nature and principles of our reality and how all is enveloped in an electric sea--from the atoms to galaxies. Walter Russell's work brought clarity, as did the Vedic wisdom, to the levels of consciousness within matter. These layers of understanding go beyond our understanding of "dense" matter as we know it on this realm, but into more refined and hidden realms of sutler human and "heavenly" vibrations.

It also became clear that the more we were driven by the elements and base instincts and unwilling to take personal "charge" of our current issues we would be relegated to cycles of time, the base elemental nature of this reality. It takes creativity of mind and heart to escape the treadmill of--cause and effect, stimulus and response, to the reptilian brain of

survival. Ancient scripts of old pointed to the heart and now we know that the heart is the e-motion, or you might say, the e-ticket to a life of bliss.

I would also like to give great appreciation for the scientists who have dedicated their lives to bridging science and the soul.

Many speak negatively of Descartes for separating science and spirit, yet like then, many today still risk their reputation and lives for their conviction and forward thinking. So for those risk takers--I celebrate your wisdom and revelations.

Yes, Science to Sage is for those who are willing to explore beyond the veil.

*Special thanks to Gene Webb for his technical advise, contributions and friendship.*

Science to Sage e-Magazine's are Themed, designed and produced by Karen Elkins



# BODIES ELECTRIC

**Part 1 Electrodynamic Life-Field & Body Electric**  
 Dr. Mae-Wan Ho ( Part 2 in April)

**Electric Universe Conference 2013**  
 Insights & YOU-tube links

**Excerpts for “The Secret of Light”**  
 Walter Russell

**Which Body Electric, Which Electric Soul?**  
 By Paulo Correa and Alexandra Correa  
 Aurora Biophysics Research Institute

**LIFE AS WE KNOW IT(?)**  
 Poem by Gene Webb

**Can love be measured?**  
 By Konstantin Korotkov

**Head-Heart Interactions**  
 Rollin McCraty, Ph.D., William A. Tiller, Ph.D. and Mike Atkinson.

**The Electricity of Touch: Detection and Measurement of Cardiac Energy Exchange Between People**  
 Rollin McCraty, MA, Mike Atkinson, Dana Tomasino, BA and William A. Tiller, Ph.D.

**Psychoenergetic Science Applied to the Mind-Body Concept**  
 William A. Tiller, Ph.D.

**Observations and Direct Experiences of a Comic Voyager**  
 Krishna Madappa

**InsideOUT: The Visual Guide to Our Designer Universe**  
 Excerpts from Karen Elkins

**Artists – Bodies Electric**  
 Alexandra Correa

Also thanks to:  
 Water notes by Professor Gerald Pollack  
 Basic Electric Explanations from Wikipedia

Special thanks to the contributors. I am grateful for their articles and inspired work. Their contribution and fascination with water enriches and transforms our understanding of our designer universe.

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# RADIO LINE-UP



Masaru Emoto



Gerald Pollack



Krishna Madappa



Konstantin Kovotkov



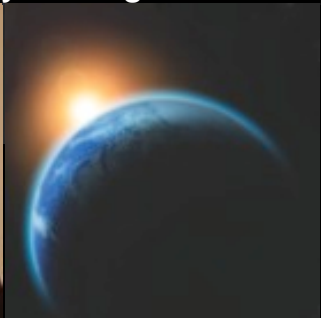
John Stuart Reid



John Hagelin



Wal Thornhill



Richard Merrick



Joyce Hawkes

## March - Elements of Life, Light & Water

**March 5th, Dr. Masaru Emoto,**

The Hidden Message of Water

**Gerald Pollack, Professor**

The 4th Phase of Water? YES.

**March 19th, Dr. Konstantin Korotkov & Krishna Madappa**

The Human Energy Fields, Consciousness of Light

## April - Our Conscious Universe

**April 2, John Stuart Reid**

- Cymatics and the Science of Sound,  
How our Songs and Words Reach the Stars

**April 16, John Hagelin Ph.D**

- Unified Field Theory and How it Relates to Our  
Consciousness

## May - Electric Universe

**May 7, Wal Thornhill**

- The Electric Universe

**May 21 - TBA**

## June - Sacred Spaces ,Soul to Cell

**June 4, Richard Merrick, M.S.C. S**

- Venus Blueprint  
Uncovering the Ancient Science of Sacred Spaces

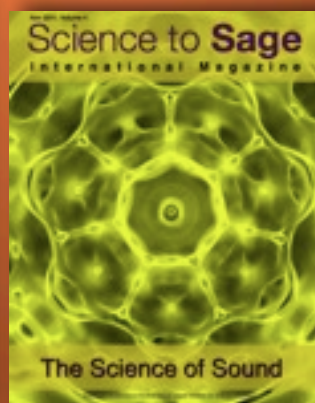
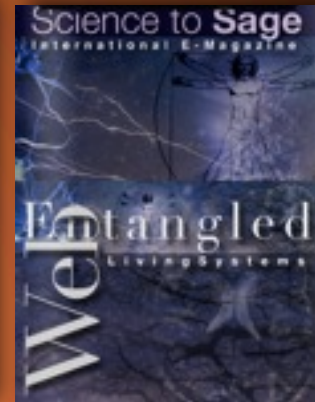
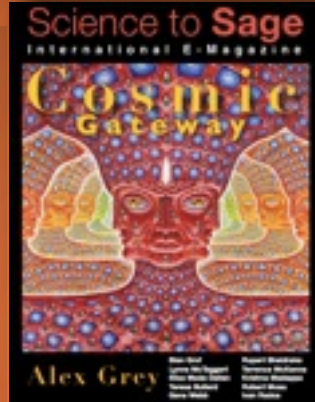
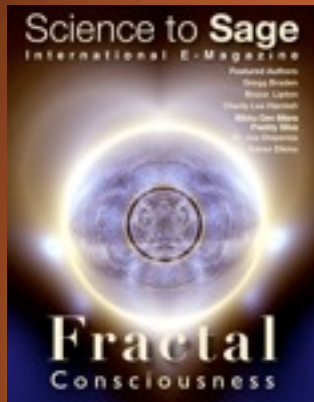
**June 18, Joyce Hawkes Ph.D**

- Finding the Bridging from Soul to Cell



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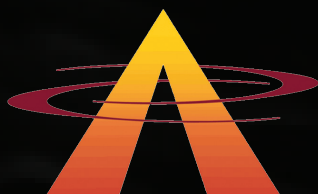
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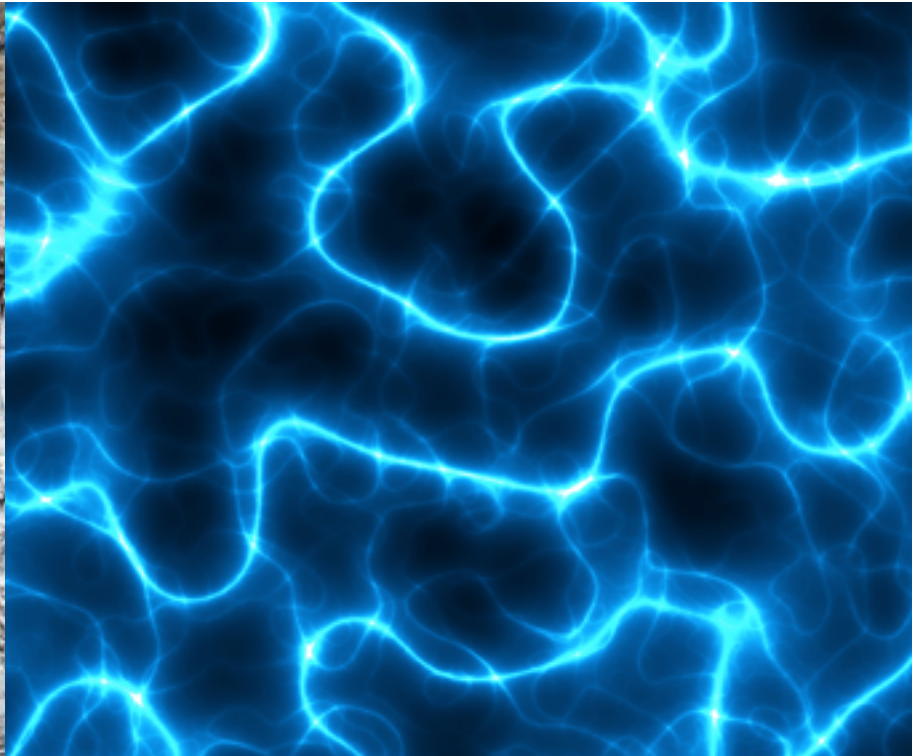
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# THE 4 ELEMENTS

## Electrically Dynamic

All living systems are designed, by their very nature, to send electrical charge through their veins and brains. These impulses give light to life and give life its charge. It is also the grooves and currents by which information travels from individual to the cosmic sea.



EARTH/SOLID

WATER/LIQUID



# 4 FUNDAMENTAL STATES OF NATURE

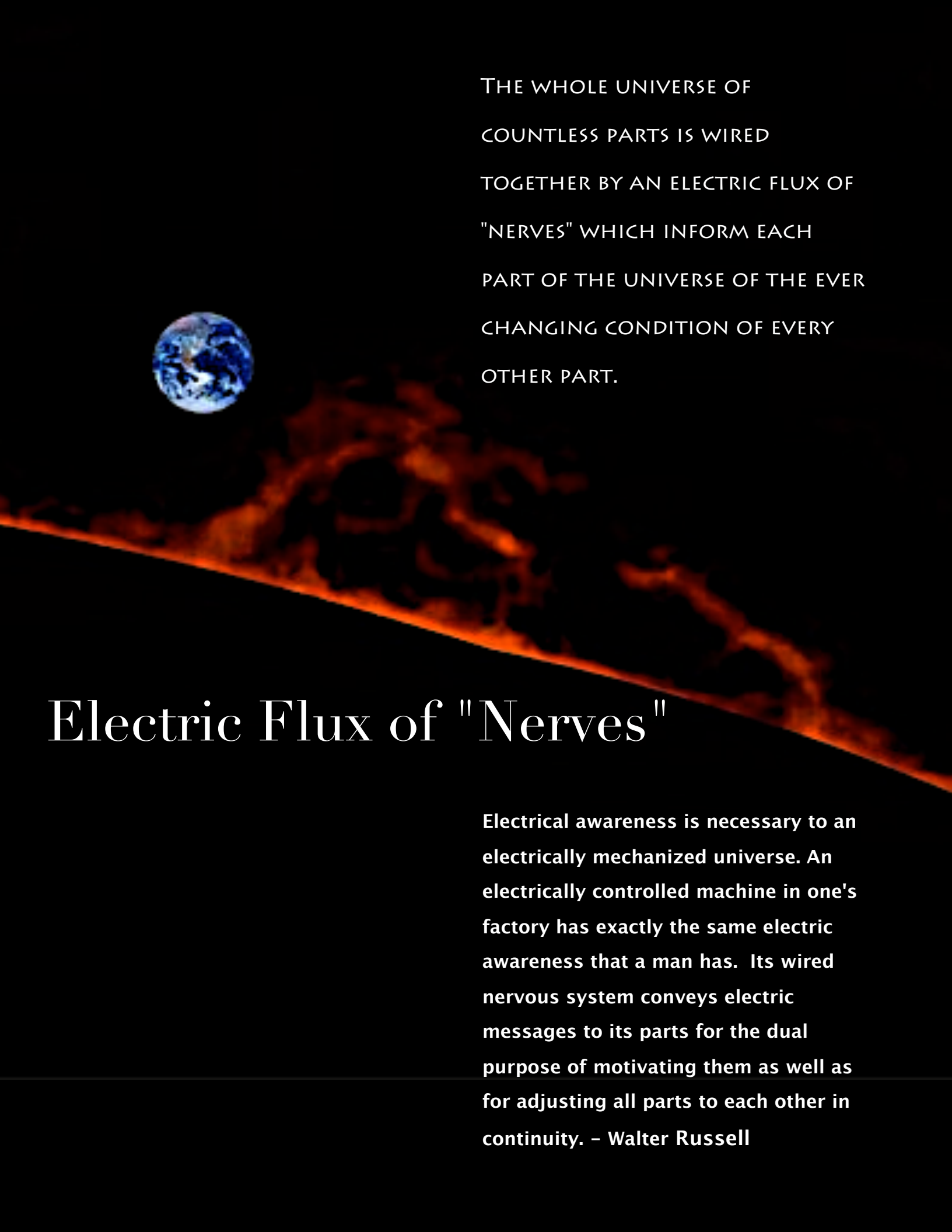
We are charged by it, hardwired for it and emotionally moved by it.



AIR/GASES



FIRE/PLASMA



THE WHOLE UNIVERSE OF  
COUNTLESS PARTS IS WIRED  
TOGETHER BY AN ELECTRIC FLUX OF  
"NERVES" WHICH INFORM EACH  
PART OF THE UNIVERSE OF THE EVER  
CHANGING CONDITION OF EVERY  
OTHER PART.

## Electric Flux of "Nerves"

Electrical awareness is necessary to an electrically mechanized universe. An electrically controlled machine in one's factory has exactly the same electric awareness that a man has. Its wired nervous system conveys electric messages to its parts for the dual purpose of motivating them as well as for adjusting all parts to each other in continuity. – Walter Russell





# Fire

## “Wired” to Fire & “Charge”

The plasma state is often misunderstood, but it is actually quite common on Earth, and the majority of people observe it on a regular basis without even realizing it. Lightning, electric sparks, fluorescent lights, neon lights, plasma televisions, and the Sun are all examples of illuminated matter in the plasma state.

A-ha and your bodies electric!

ELECTRICAL SYSTEM





BREATHES ME - AIR

BATHES ME - WATER

WARMS ME - FIRE

GROUNDS ME - EARTH

EXPANDS ME - SPACE

MOTHERS' ARE ELEMENTAL



# Earth



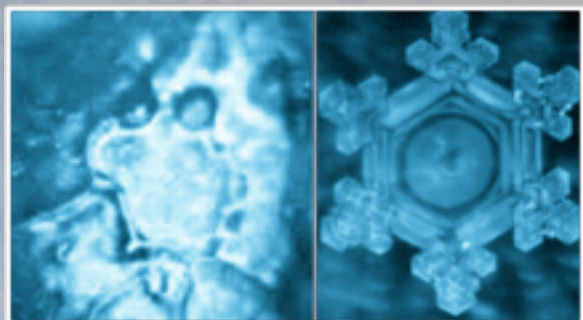
WE'RE "GROUNDED" TO A "FIELD"

Earth "Grounds" Us

# Water

Positively charged nuclei swim in a "sea" of freely-moving disassociated electrons, similar to the way such charges exist in conductive metal. In fact it is this electron "sea" that allows matter in the plasma state to conduct electricity.

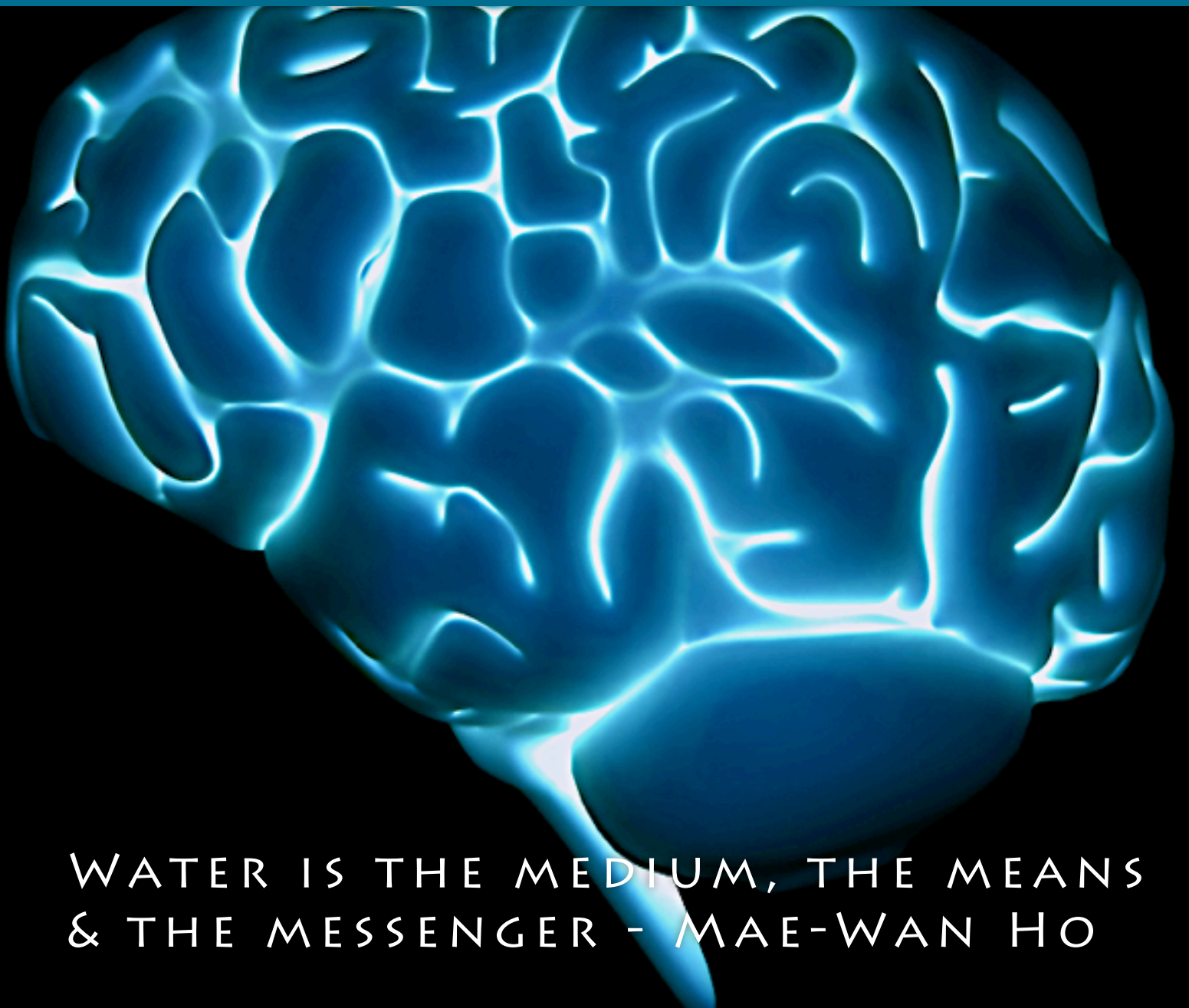
YOU ARE 70% WATER  
WATER CONTAINS YOUR CHARGE,  
THOUGHTS FORMS - ANGER OR LOVE





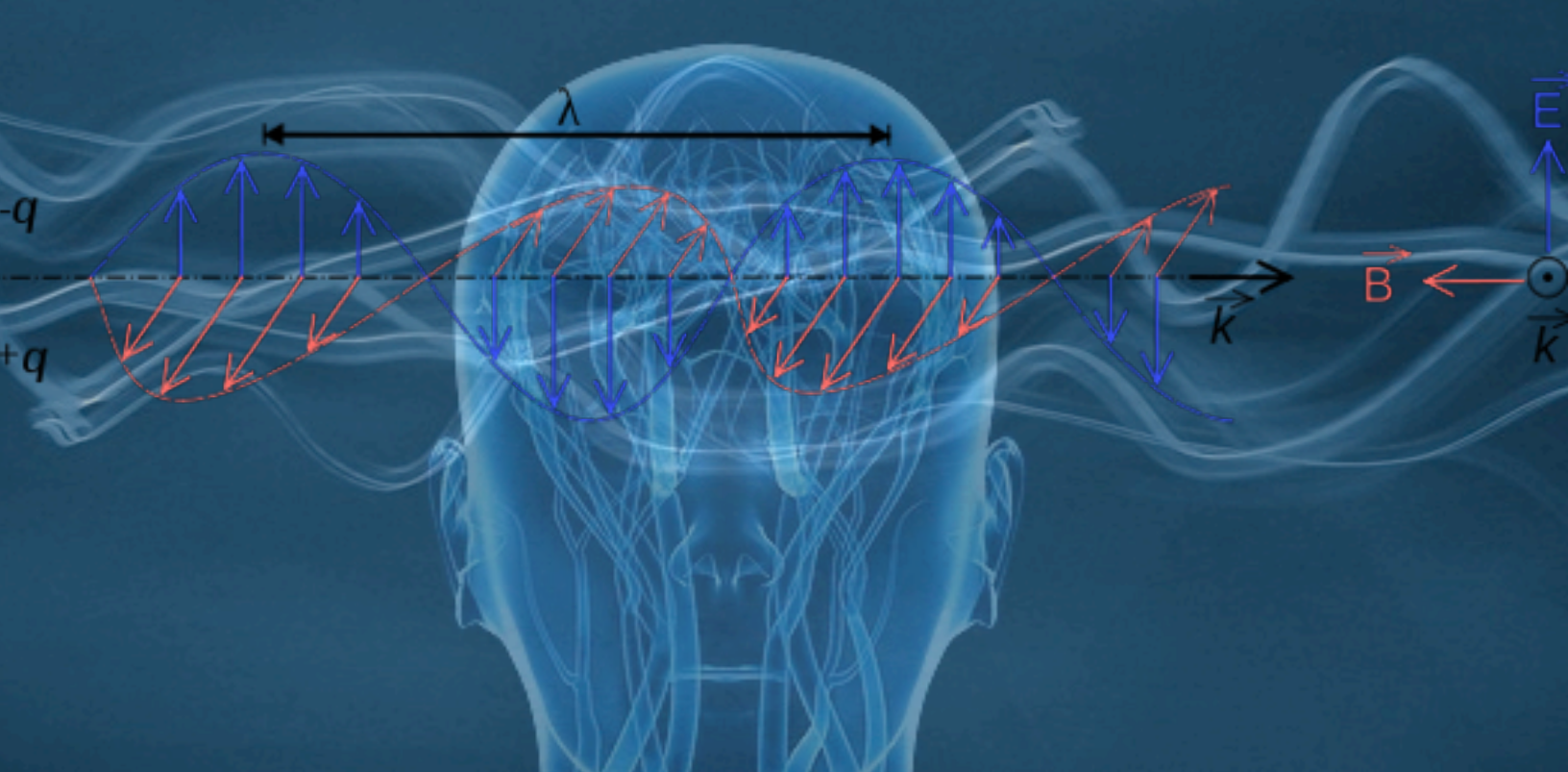


# Water is the Vessel of In-Form-ation



WATER IS THE MEDIUM, THE MEANS  
& THE MESSENGER - MAE-WAN HO





# Current Waves

RADIANT ENERGY IS THE ENERGY  
OF ELECTROMAGNETIC WAVES.

The electromagnetic waves that compose electromagnetic radiation can be imagined as a self-propagating transverse oscillating wave of electric and magnetic fields. -Wikipedia

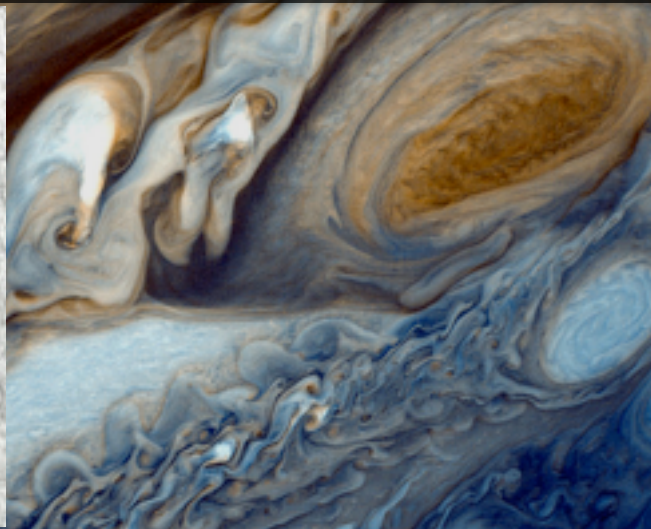
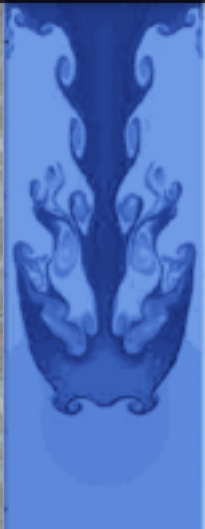
The heart wave we see is a transverse wave from electrify. The longitudinal wave (scalar interferometry) undetected by these machines is also being transmitted by the heart and the inner workings of the cell. - Gene Webb



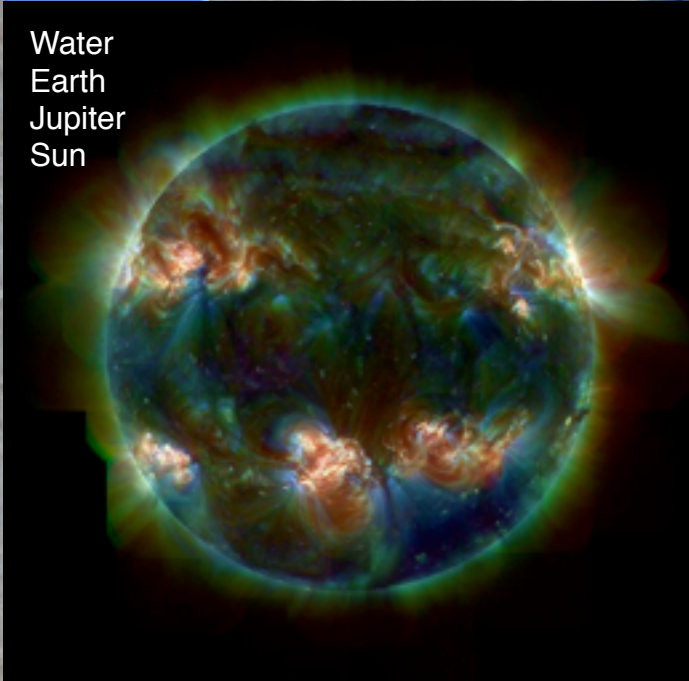
# Air

Like a gas, plasma does not have definite shape or volume. Unlike gases, plasmas are electrically conductive, produce magnetic fields and electric currents, and respond strongly to electromagnetic forces.

## Air Carries the “Current”



Water  
Earth  
Jupiter  
Sun





# An Electron Sea

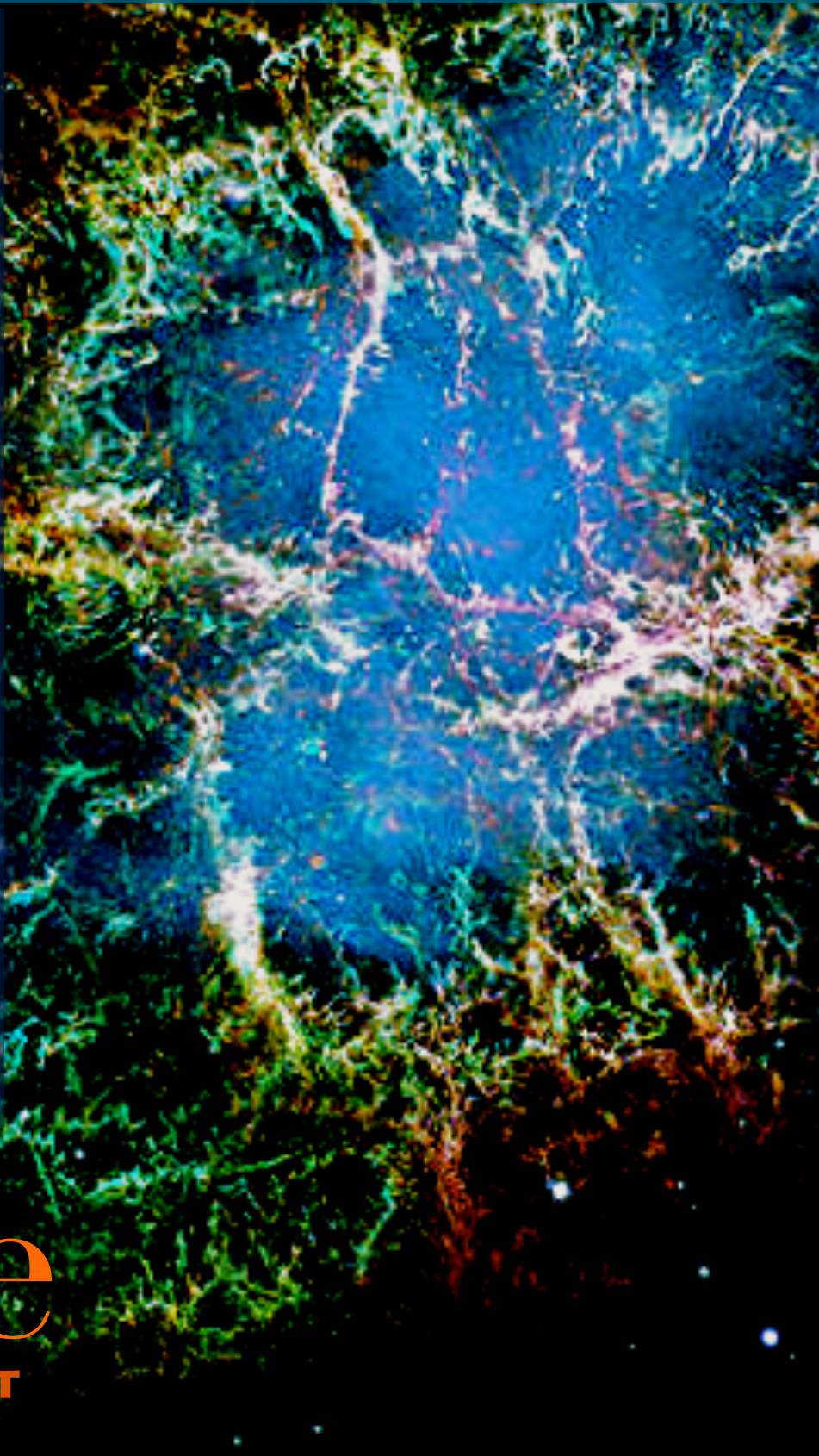
In plasma, electrons are ripped away from their nuclei, forming an electron "sea". This gives it the ability to conduct electricity.

We are all electric creatures floating in the electric sea of this electric universe. Every electric thing in the entire universe breathes electrically into itself from the rest of the electric universe which is outside of itself. It also breathes out of itself into the rest of the universe.

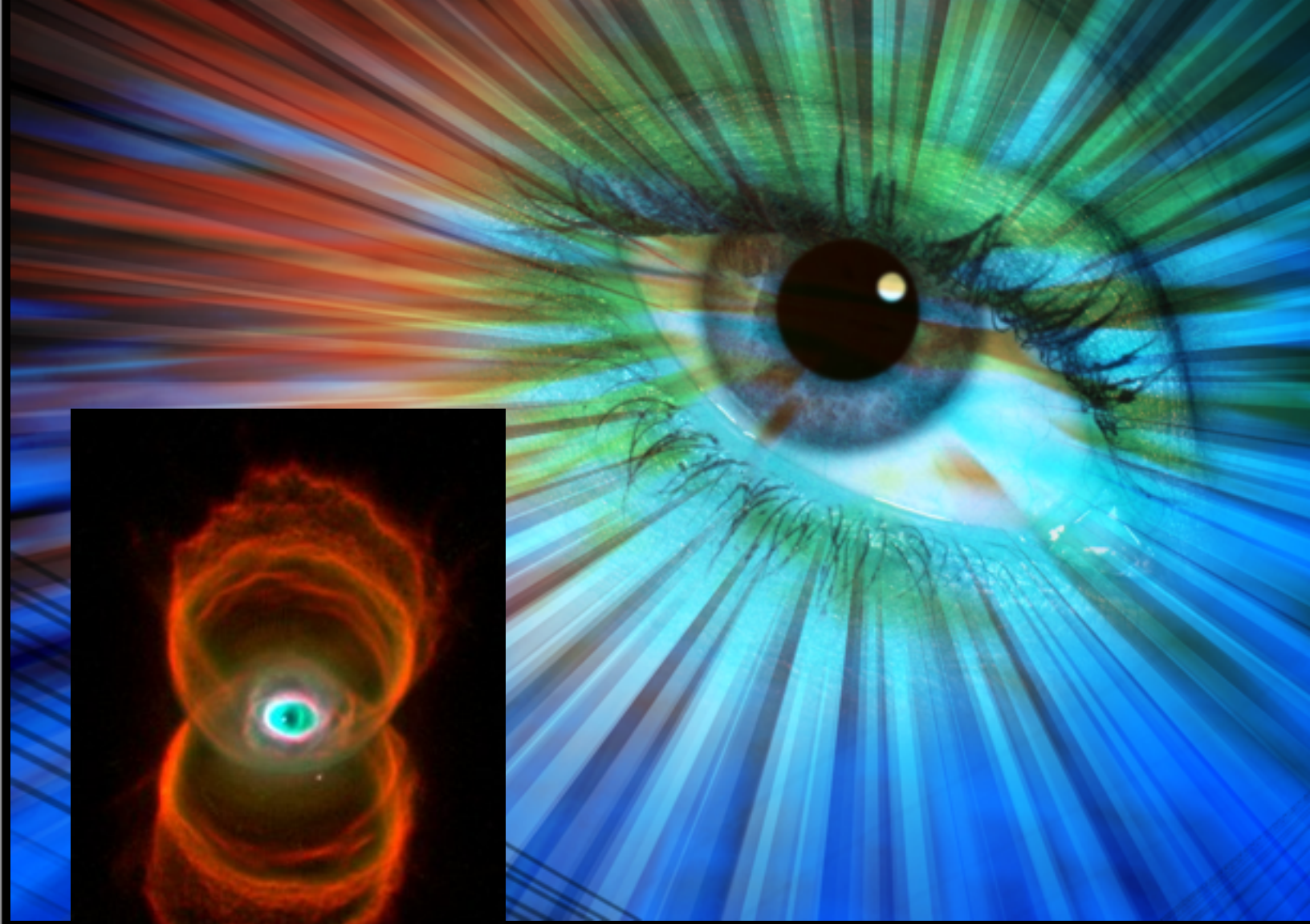
Walter Russell, The Message of the Divine Iliad

*"Water of the heavens still is water, and it still is light waves. No change whatsoever has taken place between the waters of earth and those of the heavens except a change of its condition from positive to negative preponderance. This change is due solely to a change of its direction in respect to its center of gravity." -- Walter Russell*

Space  
5TH ELEMENT







# MATTER AND MIND AND LIGHT AND ENERGY ARE ETERNAL. - Walter Russell

In Genesis, it says Let there be Light,  
and Brahma speaks aham, I AM,  
creating the wave, the optical  
illusion and vibrating the universe  
into existence.

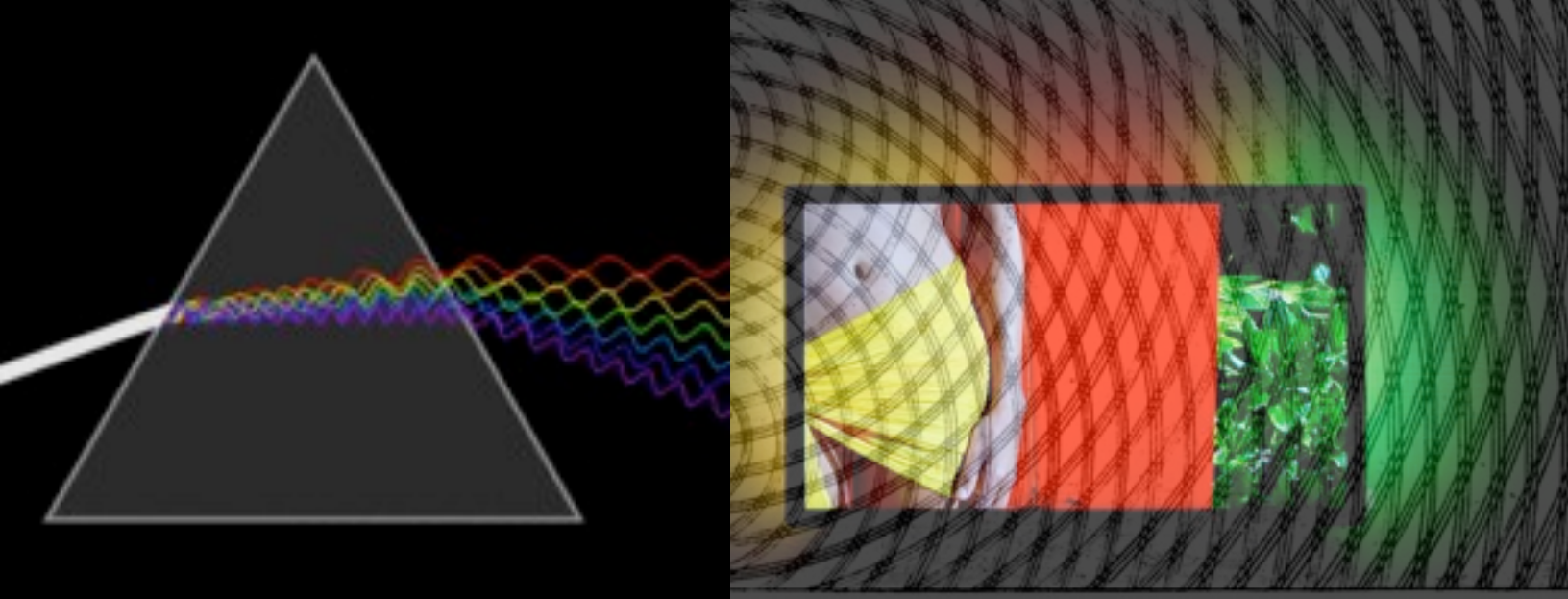
I am a beacon to those who see Me. I  
am a mirror to those who look to Me.  
I am a door to those who knock on  
Me. I am a Way to you the traveler.  
- The Hymn of Jesus from the Acts  
of John

# We're on the Electromagnetic Spectrum

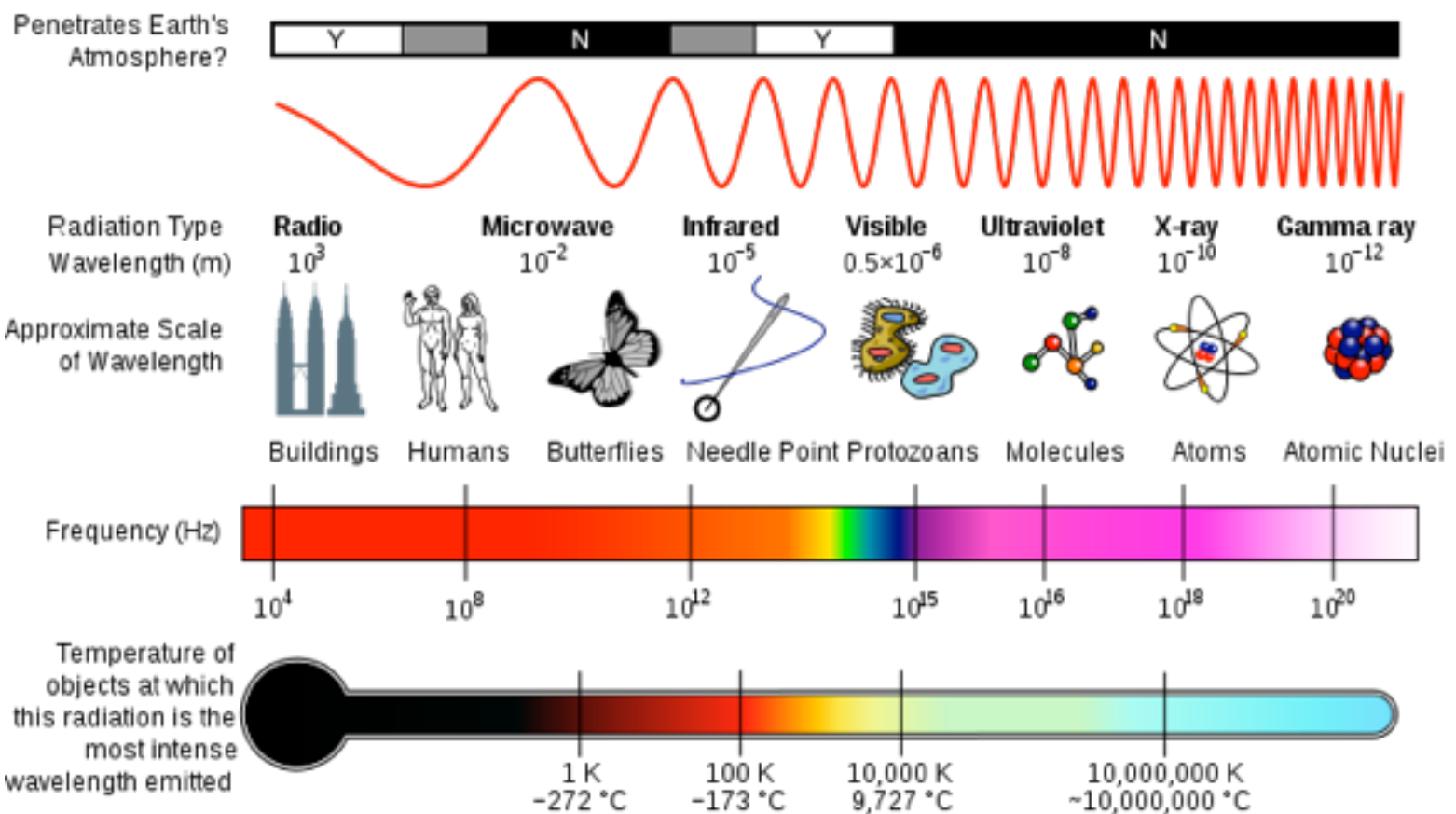
THE VISIBLE SPECTRUM IS  
THE PORTION OF THE  
ELECTROMAGNETIC  
SPECTRUM THAT IS VISIBLE  
TO (CAN BE DETECTED BY)  
THE HUMAN EYE.  
ELECTROMAGNETIC  
RADIATION IN THIS  
RANGE OF WAVELENGTHS  
IS CALLED VISIBLE LIGHT  
OR SIMPLY LIGHT.







# Emerging From Ripples in the

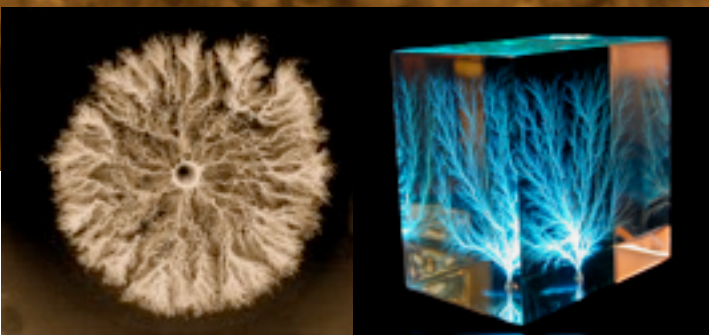


Visible light is explained in our high school text as an electromagnetic spectrum. This spectrum has waves which carry different amounts of energy. It is all about degrees. These waves can also be experienced through notes and colors. This spectrum doesn't just equate to 'out there.' It also resonates within our body.



# Electrical Design

Image on the below is a “3D Lichtenberg Figure” also known as electrical treeing. This fractal discharge pattern is said to extend down to molecular structures.



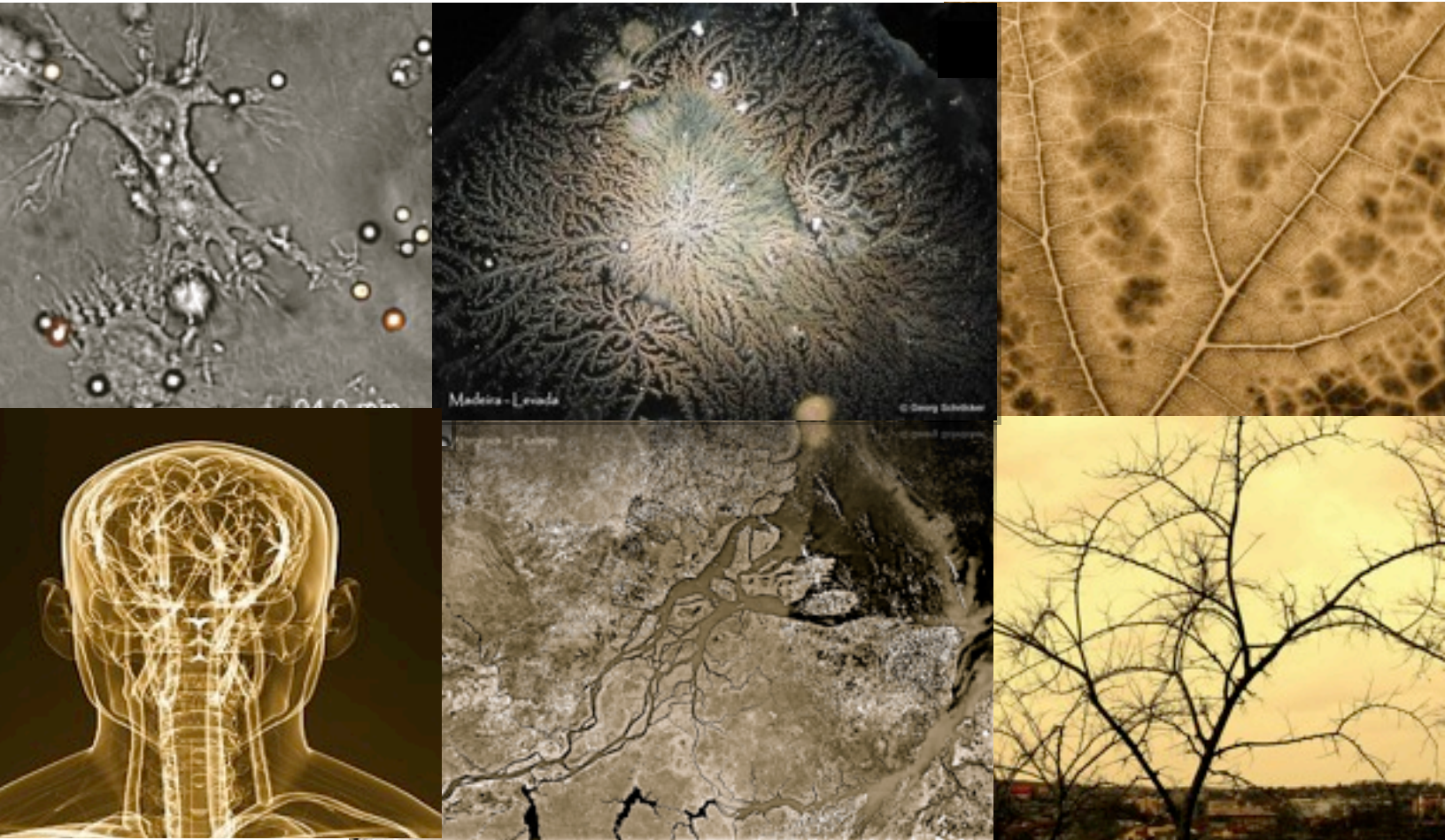
SURGING LIFE  
FORCE ENERGY

Due to its interaction with electromagnetism, plasmas display a complexity in structure far exceeding that of matter in gaseous, liquid, or solid states. It has a tendency to form into cellular and filamentary structures. – Electric Universe

FILAMENTARY STRUCTURES

MICRO TO MACRO

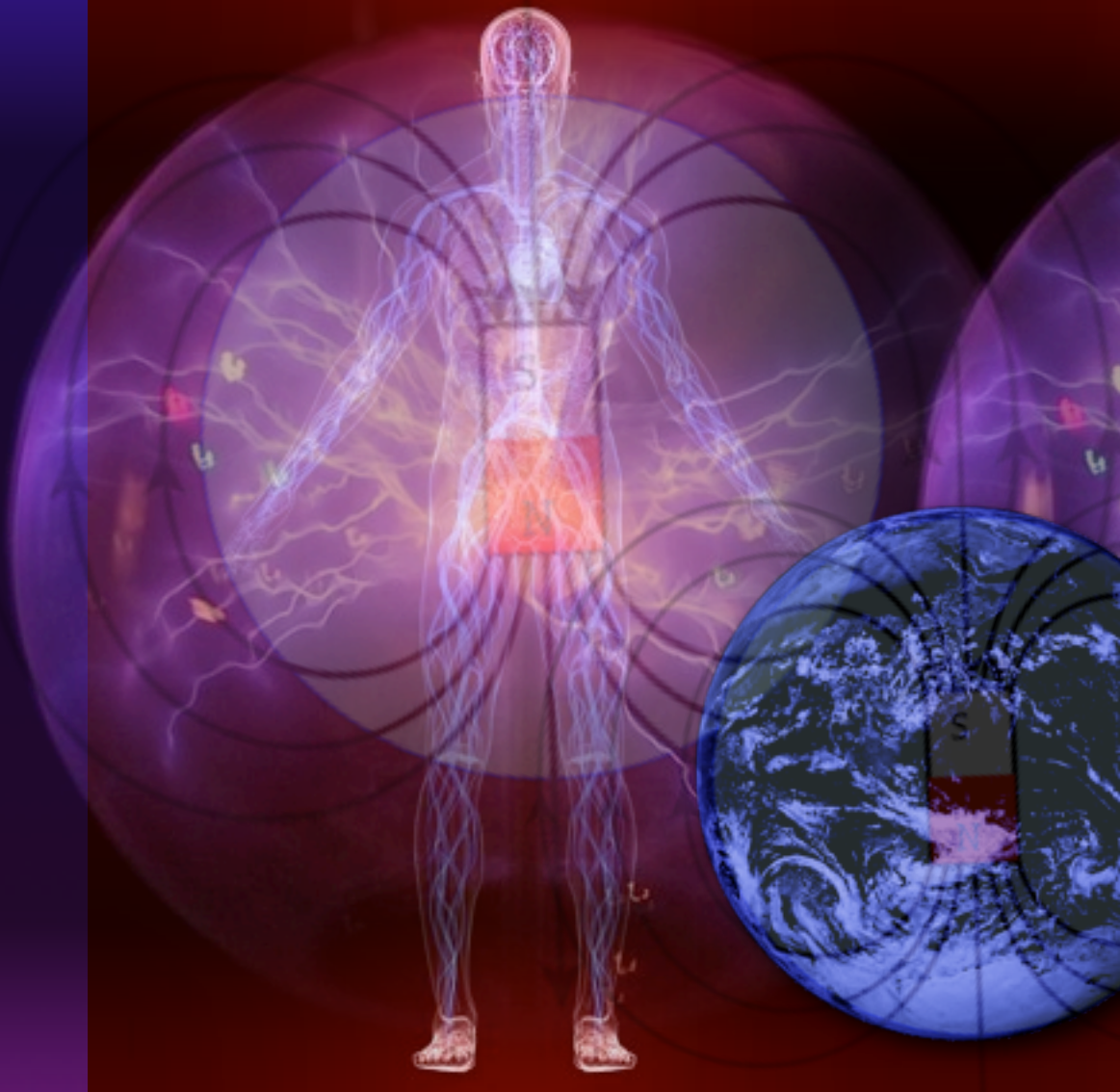
FRACTAL AND SELF-SIMILAR



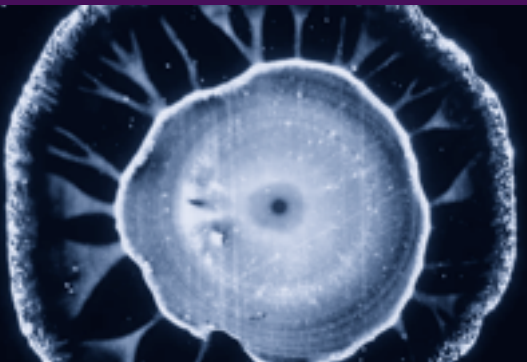
Veins of Life



ALL OF LIFE HAS AN ENERGY FIELD THAT SURROUNDS ITSELF: FROM AN ATOM, TO A HUMAN, TO OUR GALAXY. THEY ALL HAVE A DONUT-LIKE SHAPE THAT SCIENTISTS CALL A TORUS FIELD AND IT OPERATES ON THE SAME PRINCIPLE AS A BATTERY.



Electric charge is a physical property of matter that causes it to experience a force when near other electrically charged matter. There exist two types of electric charges, called positive and negative.



*"In your cells are multiple batteries with plus and minus charges, separated... The question is, how are these batteries charged?"*

*The charge comes from incident radiant energy; light, heat, ultraviolet. All of these absorbed energies separate the charge. The energy that's coming in from outside builds this charge separation and order. This potential energy fills your cells. I think this energy is critical to an understanding of how your cells work."*

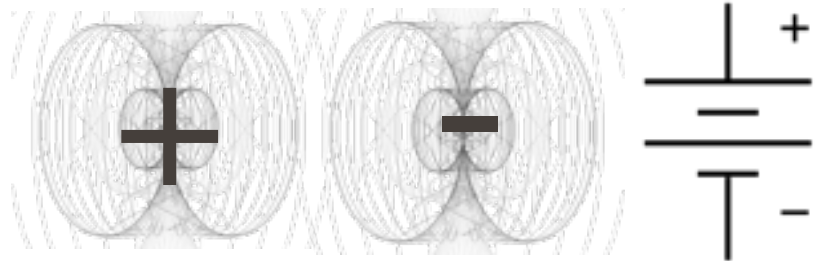
In a nutshell, the water in each of your cells achieves its ordered structure from energy obtained from the environment, typically in the form of electromagnetic radiation, including sunlight and infrared heat. - **Dr. Pollack**



BODIES  
 CELLS  
 WATER  
 EARTH  
 SUN  
 AETHER  
 ELECTRIC

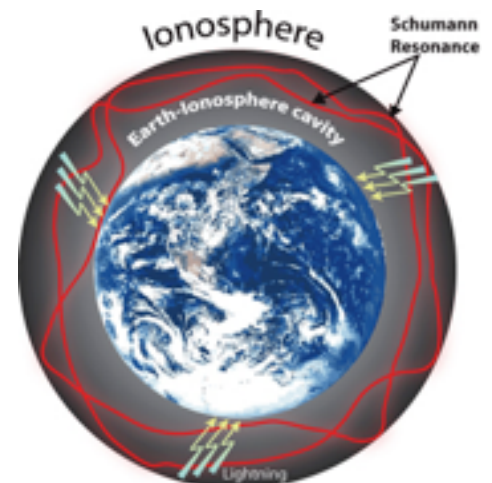


How are you charged; positively or negatively? Your charge dictates the quality of your life. It also affects those in your field of influence.



## Earth is One BIG Electric Circuit

Earth's ionosphere also has positive and negative elements. The ionosphere is the male, while the ground is the female. Think of this as plugging in a toaster, where the source of energy has a receptacle in which it can charge and enliven its purpose. This idea is also like the plug to the electrical outlet. Does this remind you of anything else?







**As we flow within life's rhythm,  
we all have many faces and fazes,  
and flare ups from time to time,  
yet no matter what,  
it always seems to affects  
our electrical nervous systems.**

**This may sound loony...but this  
design is built into ALL living  
systems.**







# We're Solar Cells Within A System

S y s t e m s   w i t h i n   S y s t e m s





CHARGED THOUGHTS  
CRYSTALIZED TO THE BONE

# piezoelectricity

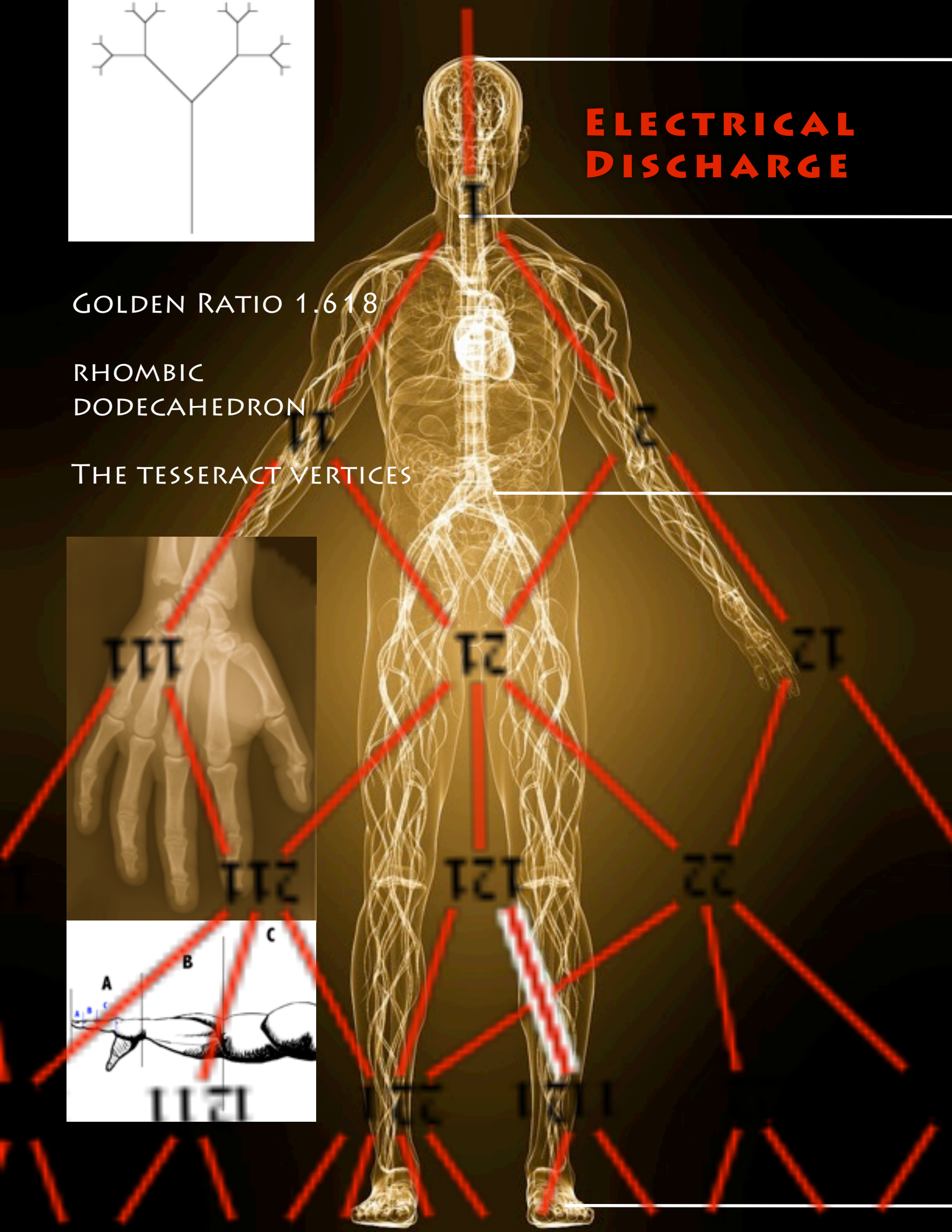
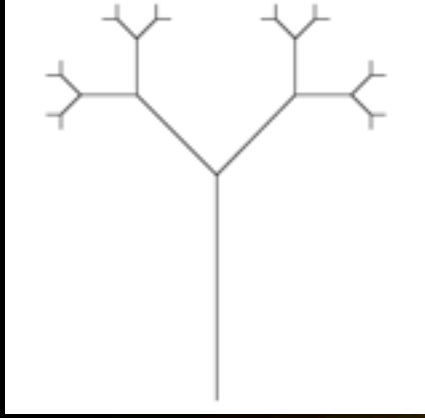
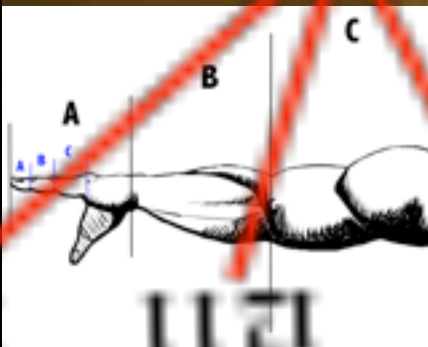
Our charged thoughts accumulate in certain matter such as crystals, bones and even our DNA. The process is explained by scientists as piezoelectricity. The information is literally squeezed or pressed into our bones by means of electrical charges. Thus, our core issues are fused and embedded into our very core. Your issues are also in your tissues.

# ELECTRICAL DISCHARGE

GOLDEN RATIO 1.618

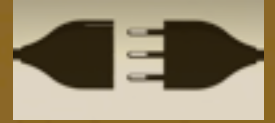
RHOMBIC  
DODECAHEDRON

THE TESSERACT VERTICES





# Unified Theory

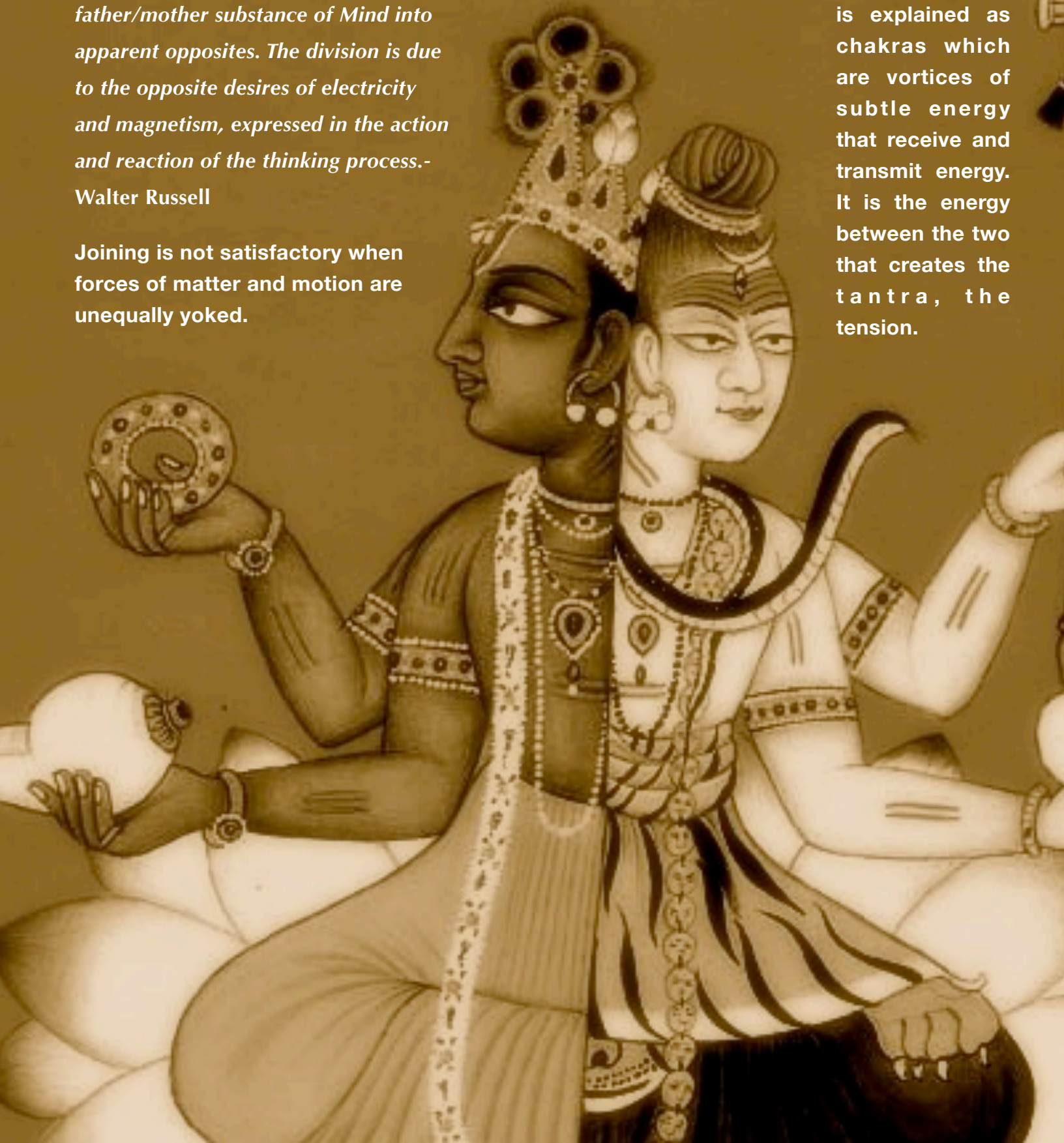


*Sex is the apparent division of the father/mother substance of Mind into apparent opposites. The division is due to the opposite desires of electricity and magnetism, expressed in the action and reaction of the thinking process.-*

Walter Russell

Joining is not satisfactory when forces of matter and motion are unequally yoked.

Kundalini energy is explained as chakras which are vortices of subtle energy that receive and transmit energy. It is the energy between the two that creates the tantra, the tension.







# Charged Memories! Current Issues!

What current issue do you feel rushing through your body when examining your life's charge? Is your current sphere of influence, love or judgment? What message are you sending through to your family, your work environment and your other networks?

Consider whatever charge you have, be it good or bad, is what you 'will' and magnetize into your life.

This is the Law of Attraction in-action.

Remember that your every word is an e-motion and an e-ticket ride, which creates your reality.





I want to start with  
a really big question.



If the organism is electric,  
as the universe is electric,  
**is the universe an organism?**

**By Dr Mae-Wan Ho**

Part 1 Electrodynamic Life-Field & Body Electric  
As presented at the Electric Universe Conference 2013



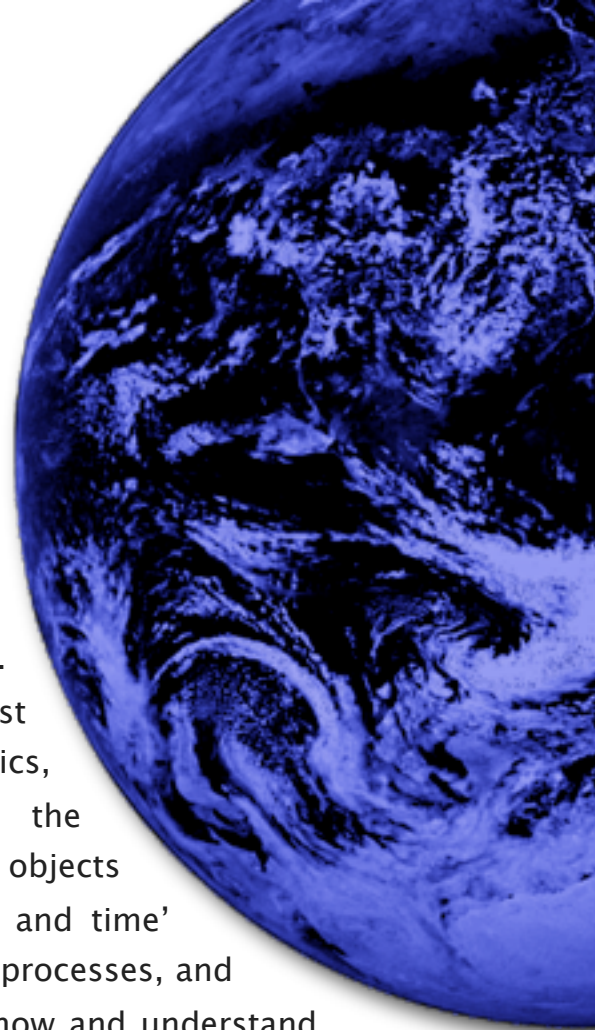
## Life, the universe, and everything

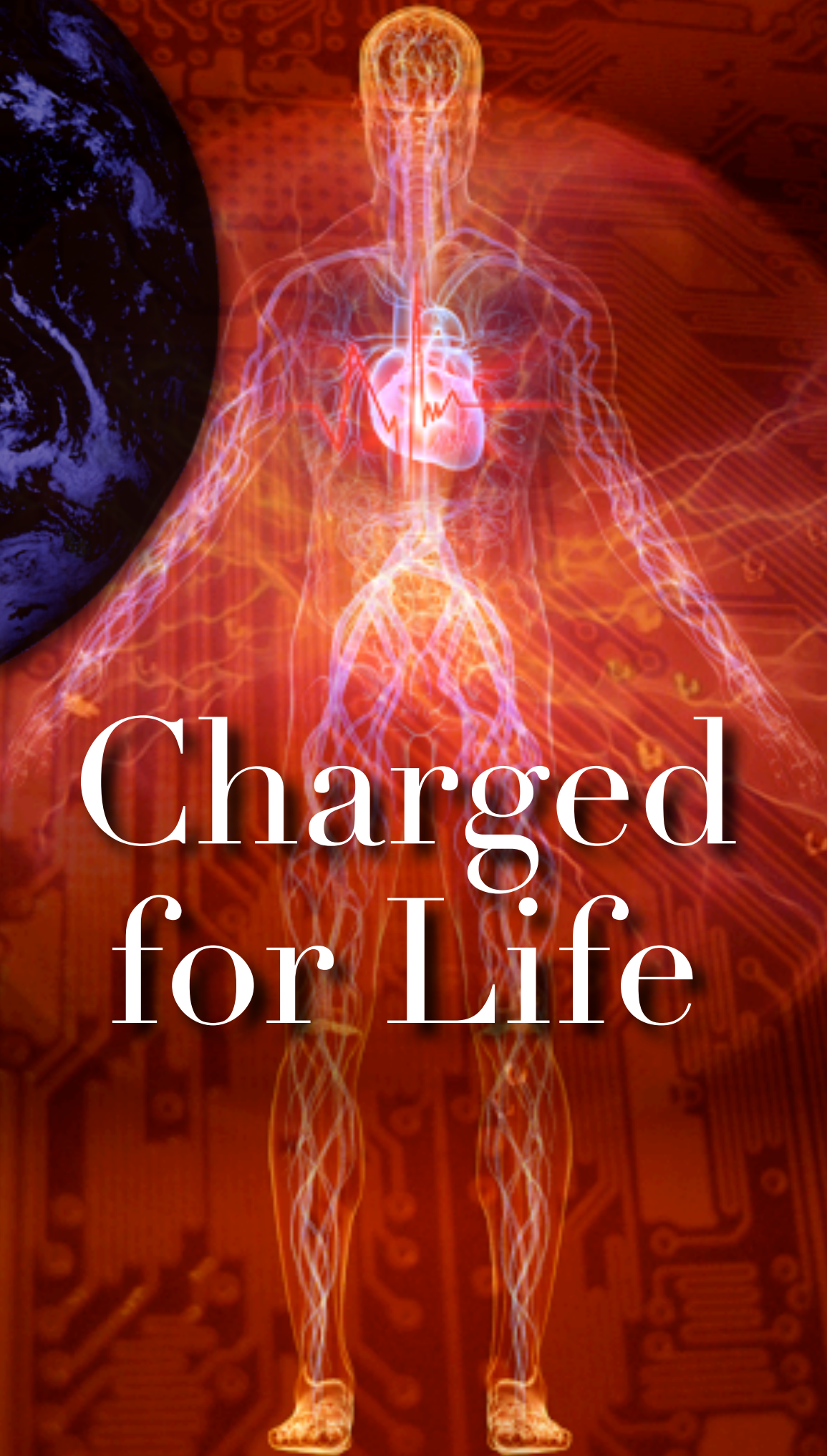
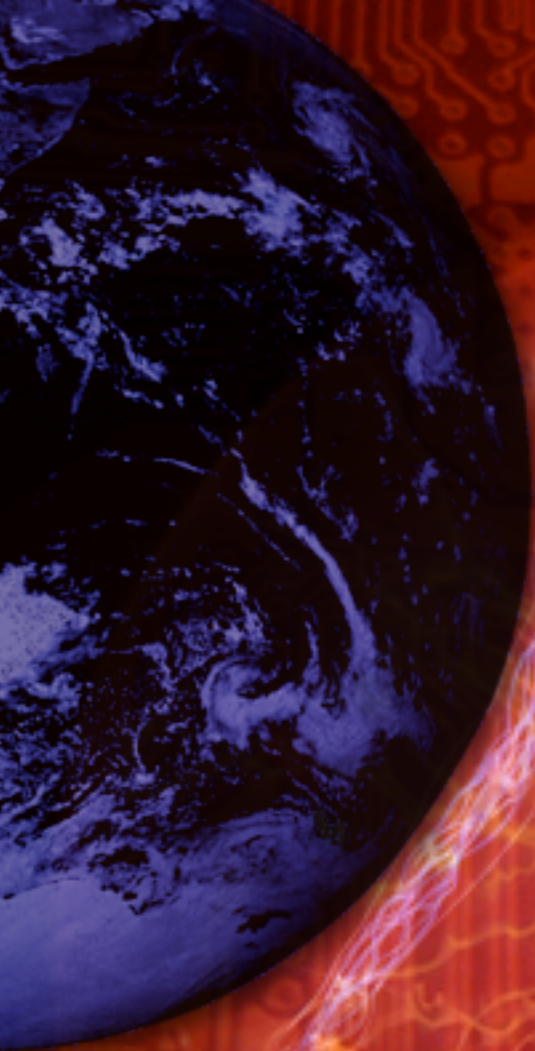
# Yes

, said English mathematician –philosopher Alfred North Whitehead (1861–1947), who had an enormous influence on me. Writing fresh in the first flowering of quantum physics, Whitehead showed how the mechanical laws that describe objects with ‘simple location in space and time’ utterly fail to represent natural processes, and argued it is only possible to know and understand nature as an organism.

Whitehead’s organisms include everything in nature, from the universe to galaxies, stars, planets, plants, animals, human beings, bacteria, right down to fundamental particles; **they are bundles of electromagnetic activities – “vibratory organisms” – endowed at least with a kind of primal consciousness that experience their environment in acts of “prehensile unification”, and most important of all, evolve as the result of the experience.**

I have taken Whitehead’s philosophy to heart, if not the details of his theory. **Not only is nature an (electromagnetic) organism, but the knower must also be an electromagnetic organism maximally sensitive and responsive, fully engaged in mind and body, intellect and feeling to other organisms, ultimately to all nature.**





# Charged for Life



## The electrodynamic organism attuned to the cosmos

There is substantial evidence that living things are fundamentally organized by electric fields and electromagnetic activities. Whitehead's concept of a "plan of the body" that modifies the motion of electrons within it anticipates the discovery of physiologist Harold Saxton Burr at Yale University, who began his work in the 1930s.



Burr's book, "The Blueprint for Immortality", first published in 1972, offers a grand vision. **"This is a breakthrough book – the first comprehensive account ever published of one of the most important scientific discoveries of this century. It reveals that all living things – from men to mice, from trees to seeds – are moulded and controlled by 'electrodynamic fields', which can be measured and mapped with standard modern volt-meters.**

**"These 'fields of life', or L-fields, are the basic blueprints of all life on this planet.** Their discovery, therefore, is of immense significance to all of us.

**"To every man and woman in this troubled age it gives the comforting certainty that life is no accident and that all of us are integrated parts of the Universe, subjected to its laws and sharing in its purpose and destiny.....the Universe has meaning and so have we.**

# Life's Field

...‘fields of life’, or L-fields, are the basic blueprints of all life on this planet.

Dr. Mae-Wan Ho



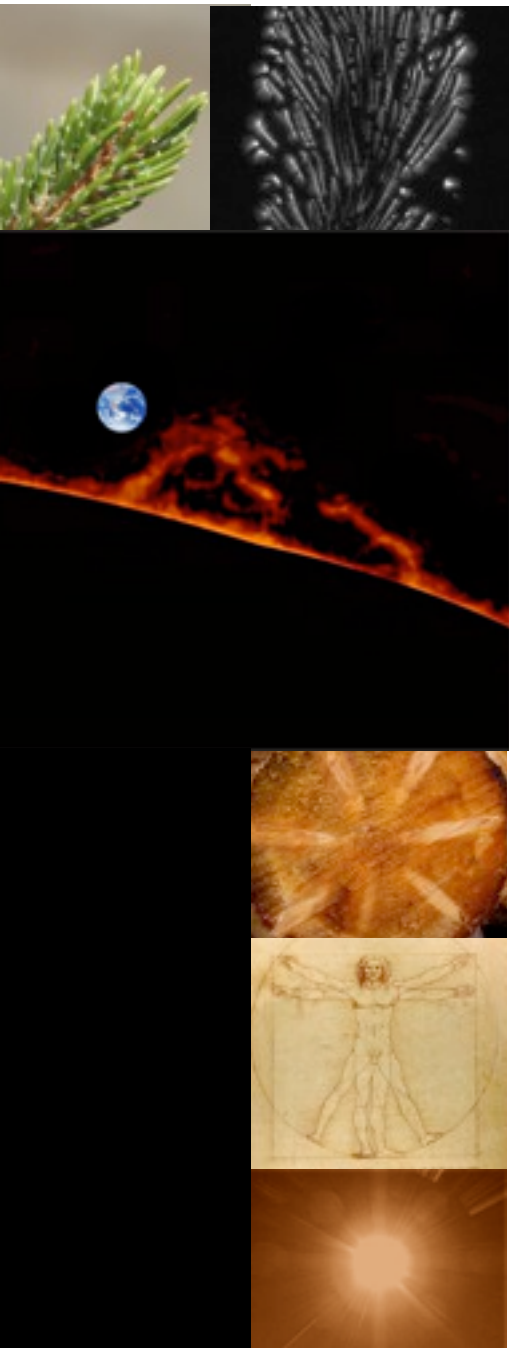
“Since measurements of L-field voltages can reveal physical and mental conditions, doctors will be able to use them to diagnose illnesses before the usual symptoms develop and so will have a better chance of successful treatment.”

Burr and his many collaborators over a period of forty years documented the existence of L-fields in diverse organisms including eggs and seeds; and dramatic changes in L-field potentials closely correlated with growth, development, and mental states, and key physiological events such as ovulation and cancer.

Burr attached electrodes to trees and simultaneously recorded electric potential differences in the atmosphere and in the earth continuously for 25 years. The records showed that the air and earth potentials fluctuated in phase with the trees’ potentials. Statistical analysis revealed well-known diurnal rhythms in all four records, as well as the lunar cycle and the eleven year cycle of solar activity. **These findings leave little doubt that the trees in particular are sensitive to electric and electromagnetic fields from Earth and outer space, acting as antennae to the universe.** Trees connect us to the universe. This may be part of the reason why a walk in the woods or being near to woods and forests is found to be beneficial to health.

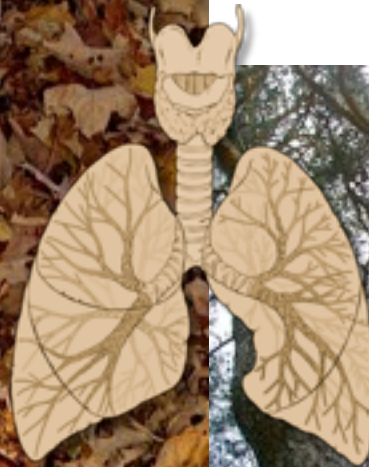
Earth’s magnetic field comes from the electric current generated in the conductive layer of molten iron in its outer core moving across the Sun’s magnetic field, which in turn generates a magnetic field. **Birds, bees, amphibians and other animals are known to depend on Earth’s magnetic field for navigation. There are reports that animals and humans in environments** shielded from Earth’s magnetic field aged faster, died more readily, suffered stress and pains, and pathological changes in the liver, kidneys, white blood cells, and urinary bladder.

Pine & light essence courtesy of Krishna Madappa, via the GRD





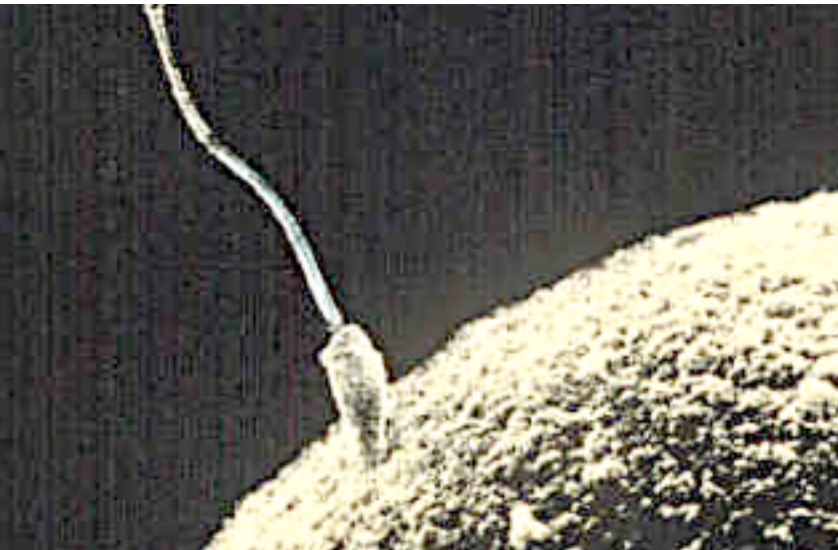
# Branches of Life



## Cycles & Seasons



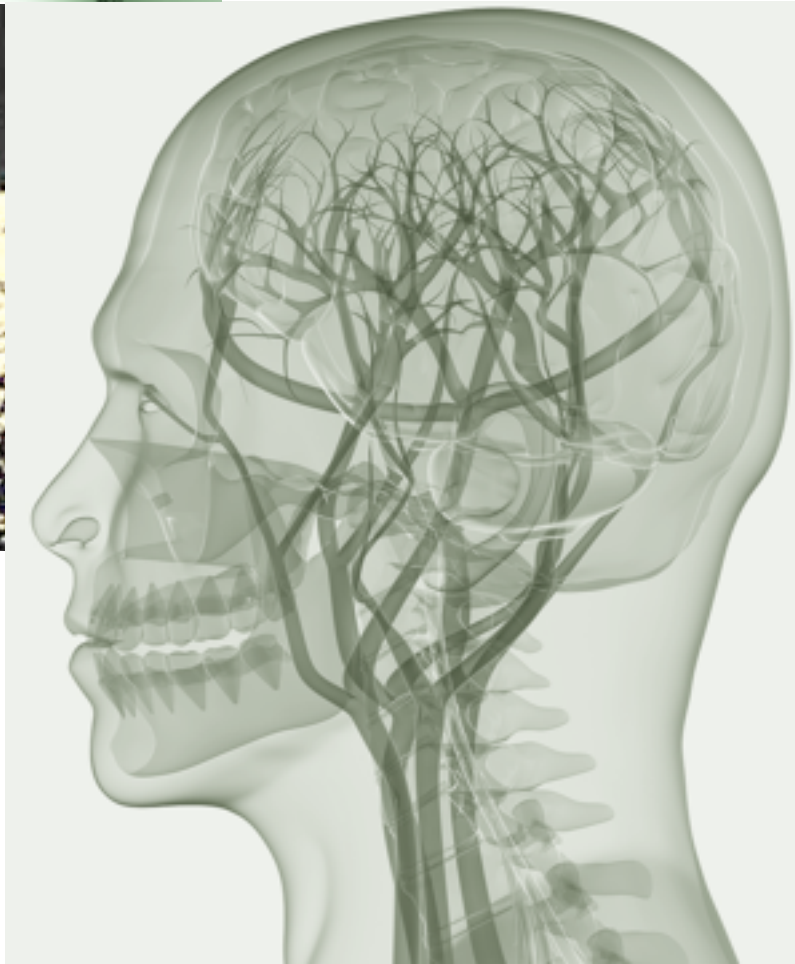
## Your Antenna



Seeded



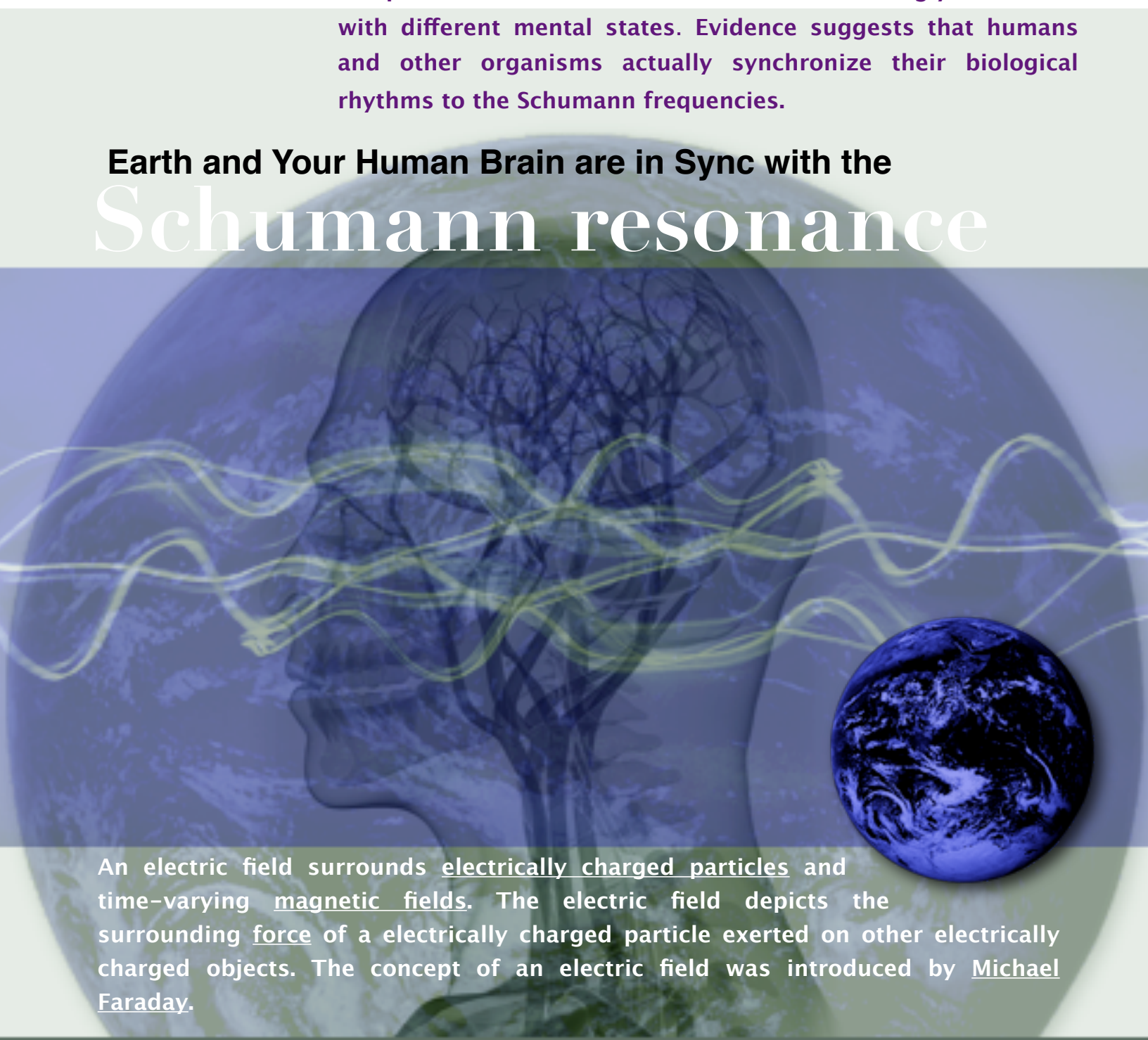
# Similar



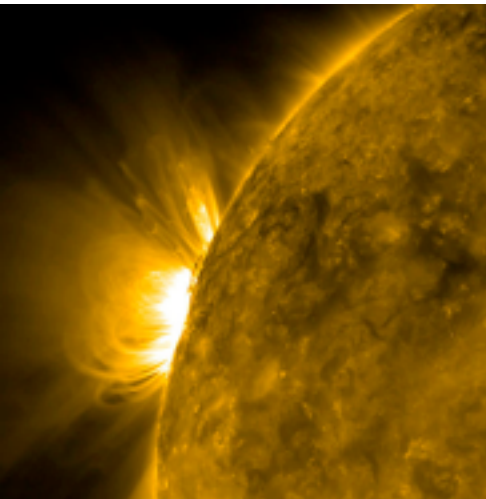


**Earth also has an electromagnetic spectrum or Schumann resonance** named after Winifred Otto Schumann (1888–1974) who predicted them in 1952. Schumann resonances are standing waves created in the space between the surface of the earth and the conductive ionosphere, and naturally excited by lightning discharges. Schumann resonances range between 3 and 60 Hz, appearing as distinct peaks at 7.83, 14.3, 27.3 and 33.8 Hz. **These same frequencies are prominent in human brain waves and strongly correlated with different mental states. Evidence suggests that humans and other organisms actually synchronize their biological rhythms to the Schumann frequencies.**

## **Earth and Your Human Brain are in Sync with the Schumann resonance**



An electric field surrounds electrically charged particles and time-varying magnetic fields. The electric field depicts the surrounding force of a electrically charged particle exerted on other electrically charged objects. The concept of an electric field was introduced by Michael Faraday.



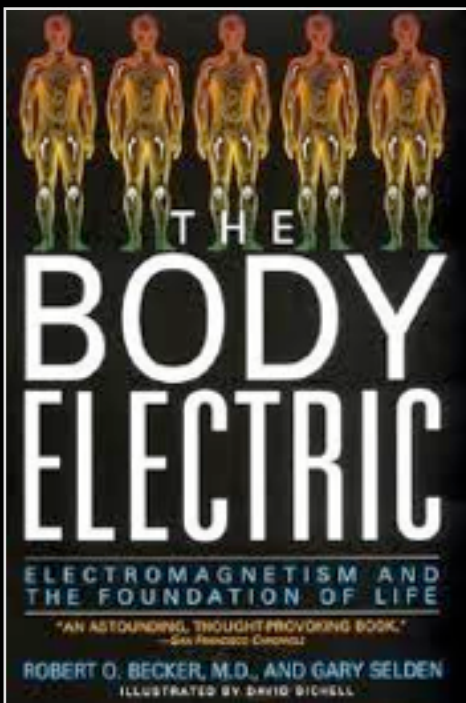
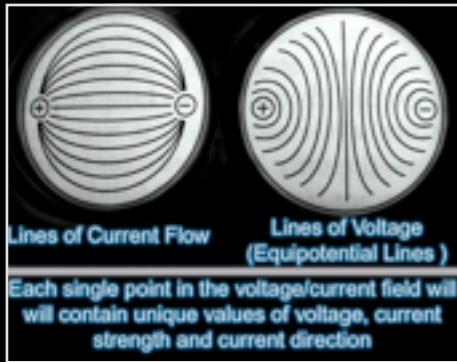
Earth's electromagnetic activities are strongly affected by those of the sun. The beautiful northern lights are generated during periods of intense solar activity, or magnetic storms, when the solar wind carrying hot energetic plasmas of ionized particles from the sun increases in density and speed. The ionized particles are trapped by Earth's magnetic field and accelerated towards its magnetic poles. Collisions between these ions and atmospheric atoms and molecules (mainly oxygen and nitrogen) cause light to be emitted as the excited atoms relax back to the ground state. Both higher and lower than average levels of solar and geomagnetic activities are associated with adverse health and psychological impacts on humans worldwide, possibly due to the suppression of the pineal gland secretion of melatonin as biological rhythms are desynchronized. This is also partly why artificial electromagnetic emissions from mobile phones, wireless, high tension power lines are having dire effects on humans and wild life.

# Plasma Fountains

Earth has a 'plasma fountain' at the Earth's north pole, as stated by NASA, and people have their crown chakra. Living organisms have common traits.







### The life-field

Burr's L-field could be measured from the surface of the body or the egg or seed, and detected away from the body surface, as when measurements were done on salamanders in water. This was sign of a true field effect as the field was not shorted out by water. When the salamander was rotated under the electrodes positioned some millimetres away, it acted like a dynamo as expected of a rotating electric field, giving a sine wave of rising and falling potentials.

L-fields of all organisms share some common features, such as a positive potential at the anterior versus a negative potential at the posterior. However, the entire field is made up of subsidiary or local fields specific to the body plan (see Figure 1).

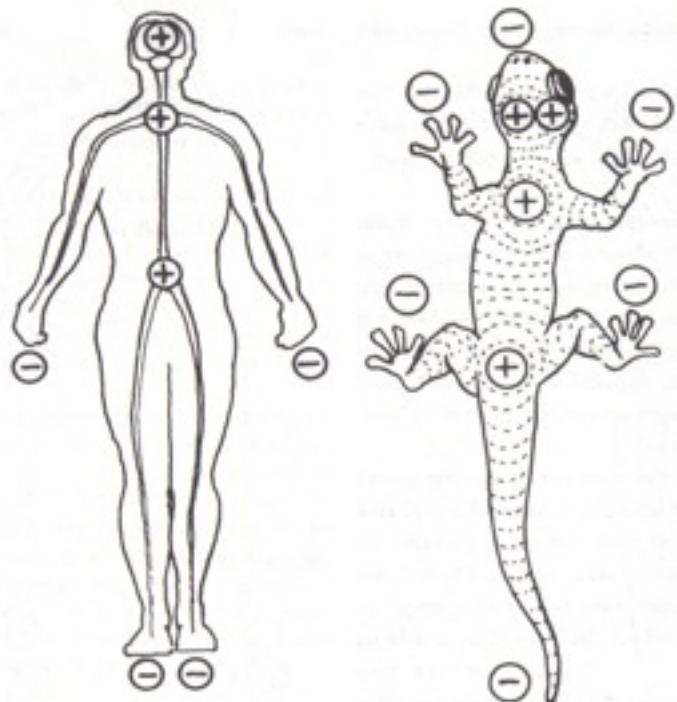


Figure 1 L-fields of humans and salamanders, measured by Robert O Becker

The L-fields are not static; Burr and his collaborators found L-fields changing slowly, increasing in strength during development to a plateau in adulthood, and declining gradually as the organism ages.

L-fields were confirmed by other laboratories working independently of Burr, and later by orthopaedic surgeon/researcher Robert Otto Becker (1923 – 2008), who also documented DC potential changes during wound-healing and regeneration in animals and humans. Notably he showed that potential changes from regenerating and non-regenerating organisms differ markedly from each other (see Figure 2).

Becker's findings were described in numerous scientific papers, and in one of the most gripping, moving accounts of scientific discovery, **The Body Electric, published in 1985, five years after his research lab was shut down by corrupt scientists and politicians, in a bid to silence his warnings on the health hazards of electromagnetic fields from overhead high tension power lines and other electrical installations. (This debate has continued to the present day over 'non-thermal effects' including brain cancer resulting from mobile phone use and other electromagnetic smog in our environment;**

The Body Electric puts you inside the mind of Becker the researcher, examining new results in his laboratory to see if they confirmed what he was expecting or not; leading him on to the next experiment, bringing him step by step closer to the definitive answer he was after. Becker was dedicated to uncovering scientific truth instead of defending any pet theory, not least because he was desperate to help relieve the suffering of his patients.

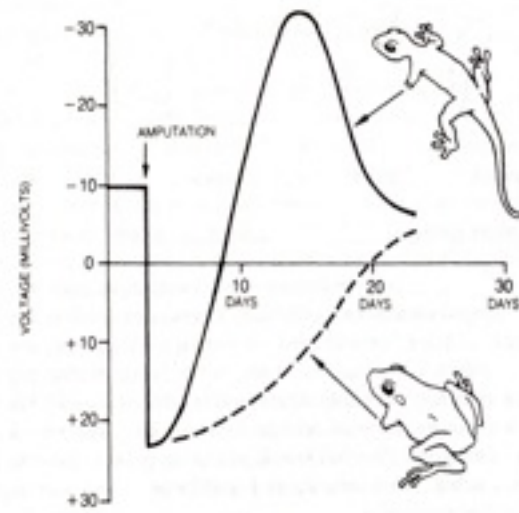


Figure 2 (above) Electric potential changes at the cut end of the stump after amputation in salamander (top), which regenerates its amputated limb, and frog, which does not (from [11])

**Links to Follow**  
[Wireless Phones and Brain Cancer](#) and other articles in the series, SiS 51.





<http://www.i-sis.org.uk/onlinestore/magazines.php>

Becker knew that electromagnetic fields, when used accurately with the correct polarity, at the right time and place, and at the extremely weak levels characteristic of living organisms, could indeed help to heal persistent wounds and fractures, and even regenerate severed finger tips and nerves. However, exposures to inappropriate electromagnetic fields were likely to cause abnormal growth and cancer. Electromagnetic fields are a powerful, double-edged weapon, and must be used with utmost care and precision based on accurate knowledge from painstaking research; only then could it help restore the lives of people often reduced to utter despair.

Becker's discoveries anticipated by decades the recent findings on the transformation of differentiated cells into stem cells during healing and tissue regeneration, and by manipulations of gene expression in the laboratory, [The Promise of Induced Pluripotent Stem Cells](#), SiS 51). Research is now also focused on enhancing stem cell repair in vivo without transplant by using drugs to encourage the process, [Stem Cells Repair without Transplant](#), SiS 50. There has been no investigation on the effect of electric fields on the recruitment of stem cells thus far.

Today, it is possible to track electric potential changes in cells and embryos, and it is widely acknowledged to be involved in development, differentiation, regeneration and cancer. But they are interpreted solely, and mistakenly, in terms of membrane potential of cells (see [15] [Membrane Potential Rules](#), SiS 52) with a major emphasis on identifying downstream gene activities, **while important questions on the nature of the electrodynamical life-field and its relationship to health and disease are largely forgotten.**

The most exciting serendipitous new discovery at Tufts University is the ‘face’ of the frog roughed out in potential differences very early in development when the embryo is still a shapeless ball of cells with very few anatomical feature]. A team led by Dany Adams used a combination of voltage and pH sensitive dyes to follow the development of *Xenopus* embryos under a microscope fitted with a time-lapse camera. It recorded “never-before-seen” dynamic patterns of electrical potentials on the outermost cell layer. These are clear signs of electrodynamic processes determining body structures that appear much later on.

I shall come back to this.

## See Part TWO in April

Mae-Wan Ho obtained her BS in Biology in 1964 and her PhD in Biochemistry in 1967 from Hong Kong University. She was a postdoctoral fellow in Biochemical Genetics from 1968–1972 at the University of California in San Diego during which time she won a competitive fellowship of the US National Genetics Foundation. She then became a Senior Research Fellow in Queen Elizabeth College in the UK. Ho then became a lecturer in Genetics in 1976 and a reader in Biology in 1985 in the London Open University. In 1999, Ho founded [ISIS](#), The Institute of Science in Society in London, to promote her views and views of other scientists of like-mind. Dr. Ho retired in June 2000 and remains a Visiting Reader in Biology at the Open University and is a visiting Biophysics professor in Catania University, Sicily. Today, Dr. Ho has close to 300 publications including 47 experimental works. (ISIS,2004)

## [Colours of Water Festival Info Here](#)

**Water is not only essential for life, it also embodies all that life entails: spontaneous and free-flowing, sensitive and responsive, accommodating and flexible, yet effective and powerful. It is emblematic of the organic revolution that has been taking place in physical science and the arts, but still waiting to happen in biology and in society at large.**

Dr. Mae - Wan Ho





# EVENT

**The new knowledge of water will transform every aspect of life.**

New findings in the quantum physics of water are profoundly changing our understanding of life, and what it means to be a real organism instead of the mechanistic simulacrum that has dominated biology and our social institutions for hundreds of years. The new knowledge of water – and I mean knowledge in all senses of the word that involves complete comprehension with heart, senses, and mind - will transform every aspect of life: from health and education to the pursuit of happiness.

artists

musicians

scientists

[Learn More About How Water is the Solution for Life click here](#)

[Click Here to See Full Brochure](#)  
[Designed by Science to Sage Design](#)  
[www.sciencetosagedesign.com](http://www.sciencetosagedesign.com)

## COLOURS OF WATER

Menier Gallery, London 12-28 March 2013



Events / Gallery  
artist, scientists, musicians

**Improvisations on Water**  
Three nights of musical improvisation on the colours and dynamics of water  
March 20th - 22nd 2013

**Waterscapes**  
piano-led jazz trio  
March 20th March 19:00-21:00  
Chris Lee, Jenny Howe, Joe Pettitt and Rod Youngs  
tickets £12

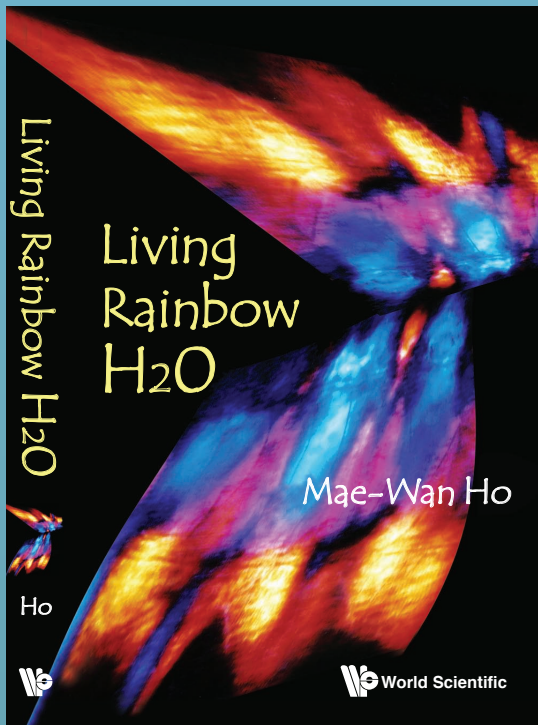
**Water Music Unlimited**  
Waters of Life  
Edward Capriccio  
Thurs 21st March 18:00-20:00  
Edward Capriccio, James Stephen Proctor, Alan Milner, Beth Lytle  
tickets £12

**You are Water, I am Water**  
Saxophone-led jazz improvisations  
Fri 22nd March 18:00-20:00  
tickets £12

**The Colours of Water**  
at the Menier Gallery,  
Southwark Road, London  
for tickets: [www.coloursofwater.com](http://www.coloursofwater.com)

# BOOK

*Shift Your Understanding*



This book is a unique synthesis of the latest findings in the quantum physics and chemistry of water that will tell you why it is so remarkably fit for life. It is the story of water in living cells and organisms as told by many scientists carrying out theoretical and empirical studies published in the scientific literature, especially within the past five years. It starts from first principles, building up the narrative by degrees, from simple to increasingly complex. My hope is to take the most naïve readers step by step towards the secret of the living rainbow within, which I can reveal to be the special water in living cells and organisms that makes life possible.

I have tried to reduce scientific jargon to a minimum in the main narrative, and to define all the terms used, which are also presented in a glossary at the end, to be consulted with ease whenever required.

## RECOMMEND

As I was writing all that down, a sudden illumination flooded my mind. A great calm took hold, and the turbulence that had obscured my view crystallized into a limpid pool. *Water*

*is the medium, the message, and the means; it is literally the mother of life, as Szent-*

*Györgyi* told us more than 50 years ago. It

is the rainbow within that mirrors the one in the sky. The veil is lifted, and a dazzling pot of gold appears at this end of the rainbow. Nature is speaking once more, and I must transcribe as quickly and clearly as I can. -

Mae-Wan Ho January 2012

**by Dr. Mae-Wan Ho**

scientist, researcher, & artist



## Professor Gerald Pollack

is Founding Editor-in-Chief of the scientific journal, *WATER* and is recognized as an international leader in science and engineering. The University of Washington Faculty chose Pollack, in 2008, to receive their highest annual distinction: The Faculty Lecturer Award. He was the 2012 recipient of the coveted Prigogine Medal for thermodynamics of dissipative systems. He has received an honorary doctorate from Ural State University in Ekaterinburg, Russia, and was more recently named an Honorary Professor of the Russian Academy of Sciences, and Foreign member of the Srpska Academy. Pollack is a Founding Fellow of the American Institute of Medical and Biological Engineering and a Fellow of both the American Heart Association and the Biomedical Engineering Society. He recently received an NIH Director's Transformative R01 Award for his work on water, and maintains an active laboratory.

**"The most interesting science book I've ever read. It has shown me that it's still possible to establish something genuinely new in science."**  
Zhiliang Gong, University of Chicago.

**"Dr. Pollack is one of the pioneers in this field, and his discoveries can be expected to have important implications."** Brian Josephson, Nobel Laureate, Cambridge University.

## *Shift Your Understanding*

# SCIENCE TO SAGE

## Ever wonder...

What mysteries lurk in the depths of a glass of water? What makes the wispy clouds of vapor rising from your cup of hot coffee? Or the puffy white clouds that hover in the sky? Why do the bubbles in your pop get bigger the longer you wait? What keeps Jell-O's water from oozing out? Why does your tongue stick to something frozen? And why don't your joints squeak?

Questions such as those have remained unanswered not only because they have seemed complex, but also because they require that scientists pursue a politically risky domain of science: water research. Scientists trying to understand the "social behavior" of H<sub>2</sub>O do so at grave risk to their reputations and livelihoods because water science has suffered repeated fiascos. Water scientists have been virtually tarred and feathered.

Undaunted, one scientist has navigated the perils of water science by conducting dozens of simple, carefully controlled experiments and piecing together the first coherent account of water's three dimensional structure and behavior.

Professor Pollack takes us on a fantastic voyage through water, showing us a hidden universe teeming with physical activity that provides answers so simple that any curious person can understand.

Pollack invites us to open our eyes and re-experience our natural world, to take nothing for granted, and to reawaken our childhood dream of having things make sense.

POLLACK

GERALD H. POLLACK

THE FOURTH PHASE OF WATER

# THE FOURTH PHASE OF WATER

4

2

1

BEYOND  
SOLID,  
LIQUID,  
& VAPOR

3

"The most significant  
scientific discovery  
of this  
century."



BY DR. GERALD POLLACK

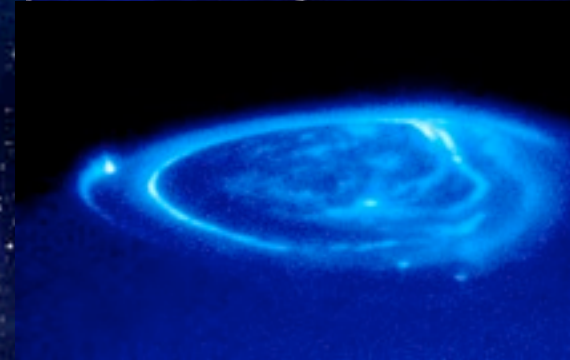
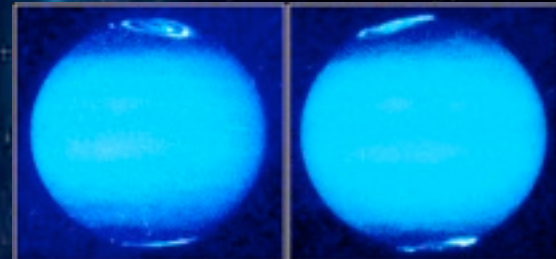
Recommended

# BOOK

**Guest**  
**March 5th**  
**Science to Sage**  
**RADIO**



Jupiter - Credit: J. Clarke (Univ. Michigan), NASA



# Electrically Discharged

**Links to Following – Dr. Mae-Wan Ho**

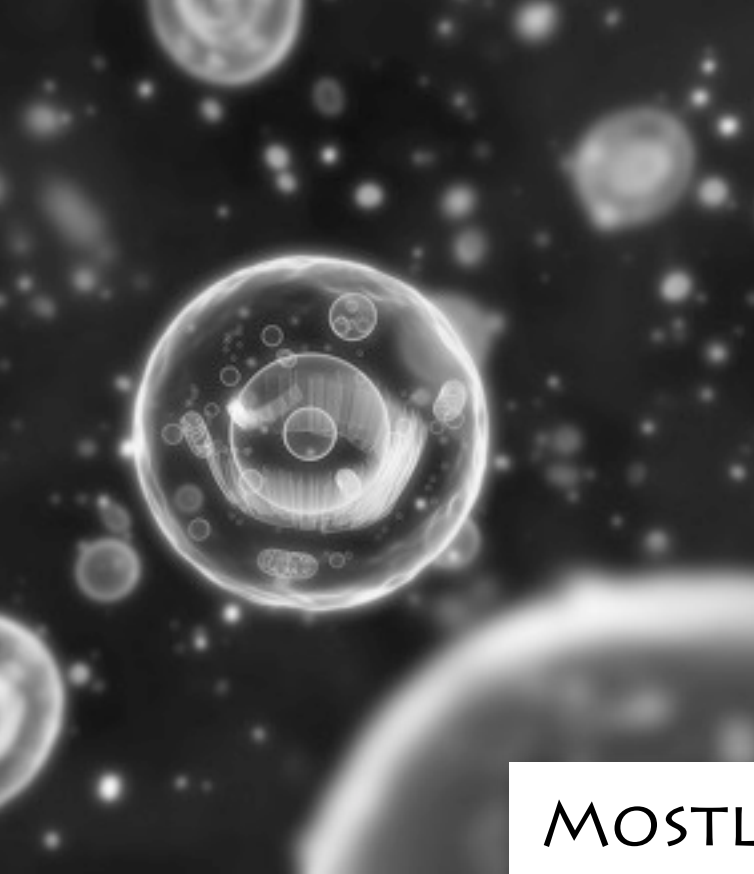
[Drowning in a Sea of Microwaves](#)

[Cancer Risks from Microwaves Confirmed](#)

[Mobile Phones and Vanishing Bees](#)

[Mobile Phones & Vanishing Birds](#)





MOSTLY MADE  
OF WATER

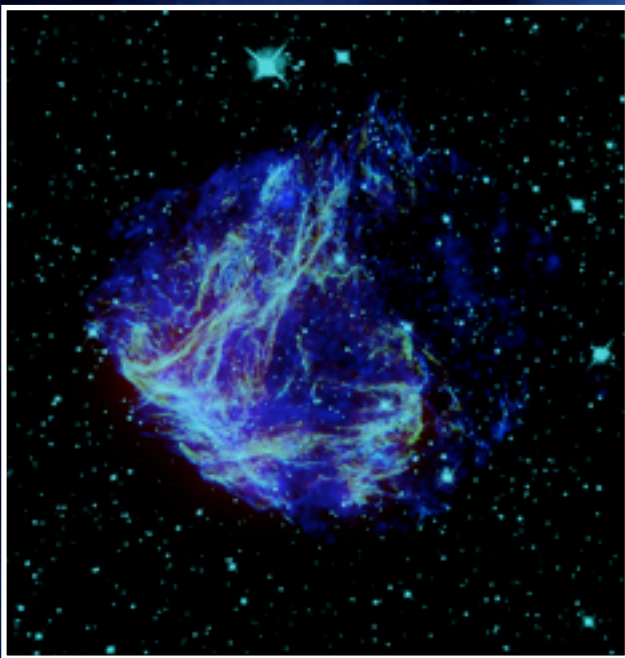


# Spheres of Influence

## Micro to Macro



# THE ELECTRIC UNIVERSE



*From the smallest particle to the largest galactic formation, a web of electrical circuitry connects and unifies all of nature, organizing galaxies, energizing stars, giving birth to planets and to our own world, controlling weather and animating islands in an electric universe.*

*David Talbott and Wallace Thornhill*

Wal  
May 7th  
Science to Sage  
RADIO



 THE  
Thunderbolts  
PROJECT

<http://www.thunderbolts.info>



# Electric Universe

## 2013 CONFERENCE **THE TIPPING POINT**

The phrase has never been more fitting: The Tipping Point. In matters of human thought and perception, the words describe the critical moment when the growing momentum of a new idea overrides the inertia of prior beliefs. A movement exhibiting this power cannot be turned back.

For the Electric Universe community, The Tipping Point means evidence converging from every scientific discipline. Unique predictions of an electrical paradigm fulfilled. Charged bodies in space powered by electric currents across interstellar and intergalactic distances. A model of electric star-formation bolstered by an explosion of new evidence for our electric Sun. Planets sculpted by electric arcs in an age of solar system violence.

Comets discharging electrically as they plunge through the Sun's electric field.

Now new dimensions of the Electric Universe are attracting visionary scientists, artists and students of the human story. An ancient sky animated by electrical dramas affecting every level of human culture. The electricity of life—layers of subtle energy that theorists simply overlooked in their rush to formulate mechanical models of life. Studies of human consciousness and connection that shattered the scientific paradigms of the 20th-century.

The Tipping Point is indeed at hand. In the scientific quest to understand our natural world, the 21st-century will look nothing like the last.

### **WAL THORNHILL AND DAVID TALBOTT: EU 2013 OFF STAGE**

The two founding members of The Thunderbolts Project sit down for an interview at the recent conference, ELECTRIC UNIVERSE 2013: THE TIPPING POINT. Here they review their converging perspectives, giving personal observations on the state of science today and the growing Electric Universe movement.

<http://www.youtube.com/watch?v=p9iQWxS50Ik>



# SCIENCE TO SAGE



[For Complete Issue Click Here](#)  
[Science to Sage E-Zine](#)

Special thanks to Kim Guilford, of the Thunderbolt Project, for coordinating many of these amazing articles for the 2012 Conference.

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Mel Achesmon

- World-view in Succession

Thunderbolt info

- What is Plasma
- Weather: Fair, Foul or Electric?

Wal Thornhill

- Stars in the Electric Universe

Don Scott

- The Electric Sky
- Electric Model of the Sun

James Ryder

- IBEX's Surprising Results

Gerald Pollack

- The Geometry of Life

David Talbot

- The Electric Universe - Seeking the Third Story

Robert M. Schoch

- Plasma Earth & the Last Ice Age

James. L. Oschman

- Understanding Earthing (Grounding)

Steve Smith

- 3D Mars



## **RUPERT SHELDRAKE** **"SCIENCE SET FREE"**

A highly popular talk by Rupert Sheldrake at the conference ELECTRIC UNIVERSE 2013: The Tipping Point, in Albuquerque, New Mexico. Many scientists like to think that science already understands the ways of the natural world. The fundamental questions are answered, leaving only the details to be filled in. The impressive achievements of science seemed to support this confident attitude. But recent research has revealed unexpected problems at the heart of physics, cosmology, biology, medicine and psychology.

PART ONE:

<http://www.youtube.com/watch?v=0waMBY3qEA4>

PART TWO:

<http://www.youtube.com/watch?v=VRKvwxku5So>

Dr. Sheldrake is a biologist and author of more than 80 scientific papers and 10 books, including Science Set Free (September 2012).

For more information on Dr. Sheldrake, see: <http://www.sheldrake.org>

## **"OUR UNIVERSE—IT'S ELECTRIC!"** **BY MICHAEL CLARAGE**

Over the last 200 years the word "cosmology" has come to mean only stars, galaxies, and enormous, lonely reaches of space—a vast expanse of cosmic islands where humans have no meaningful place. But the EU paradigm is moving scientific thinking towards a cosmology that once again encompasses everything we've come to know about the universe, including ourselves.

<http://www.youtube.com/watch?v=5OI77ERIDs8>

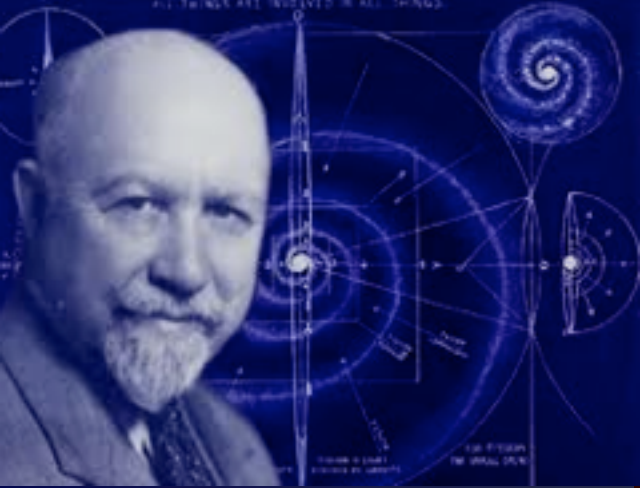
## **EVAN CAMP: EXCITING STUDENTS** **WITH UNSETTLED SCIENCE**

Eighth grade teacher Evan Camp recounts his classroom experience introducing the Electric Universe to his students. Today's teachers acknowledge that science has become "depressingly" uninteresting to students. But Evan's experience could provide a prototype for teachers looking for ways to find true inspiration in new discoveries in the sciences.

<http://youtu.be/Bf6Ofw-Ckb8>

**More on-line**  
<http://www.thunderbolts.info>

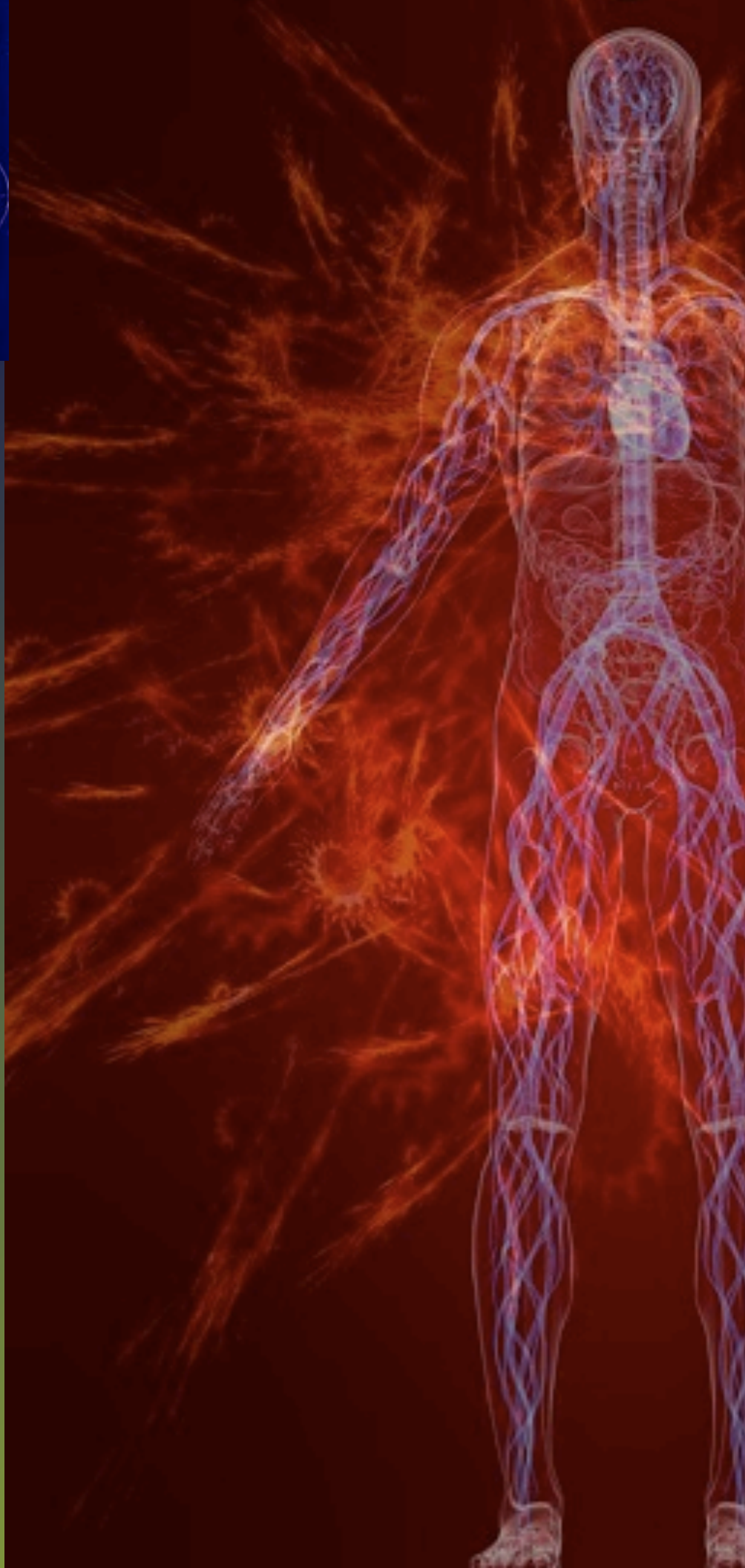


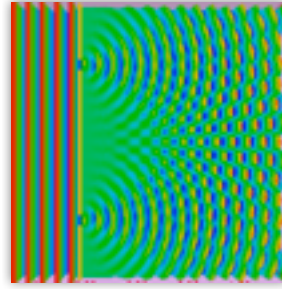


THIS UNIVERSE  
OF MATTER IN  
MOTION IS BUT  
THE ELECTRIC  
RECORD OF  
THOUGHT.

By Walter  
Russell

Excerpt from "The Secret  
of Light"





THINKING BELONGS TO THE  
ELECTRICALLY SENSED AND  
CONDITIONED VIBRATING  
UNIVERSE OF MOTION.

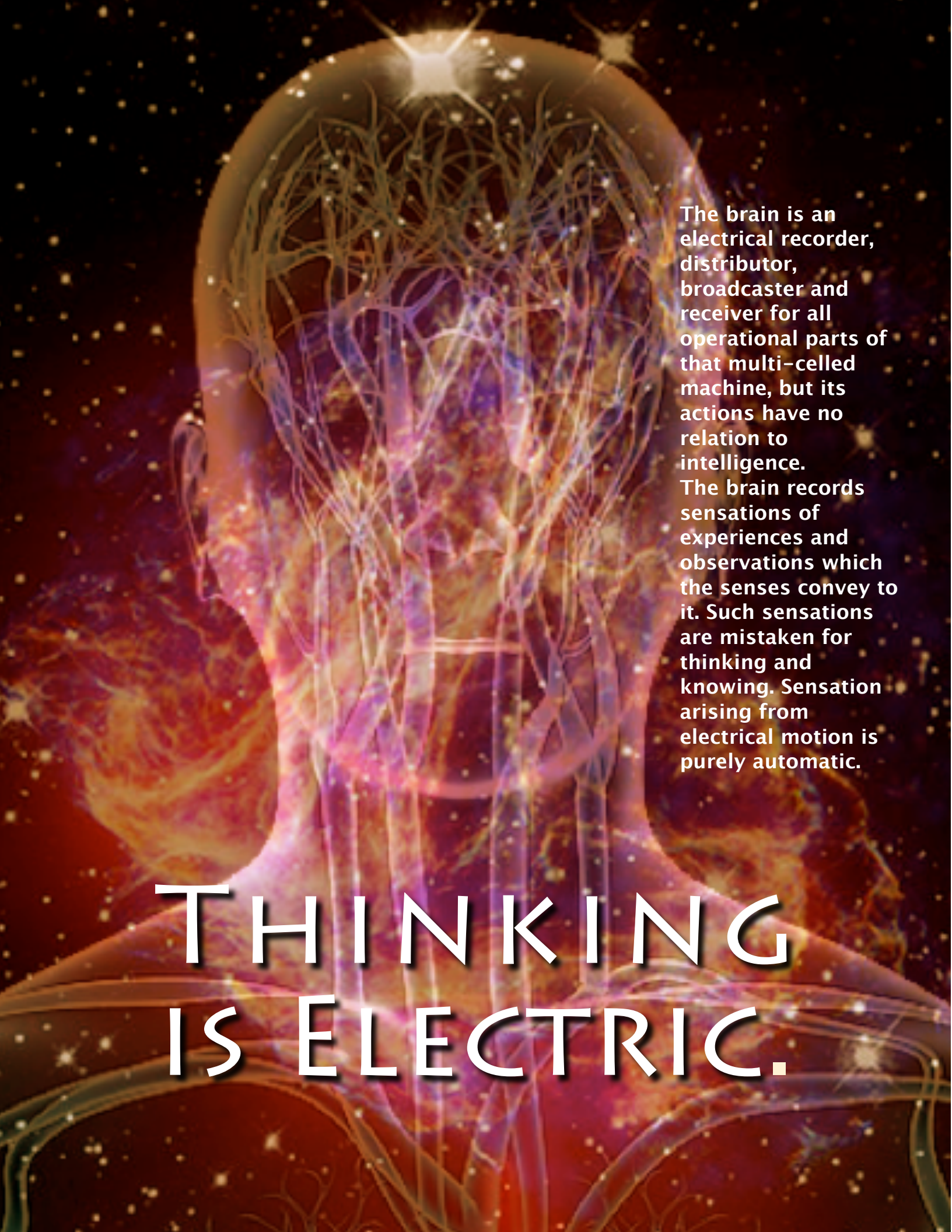
Thinking is the motionless principle in light  
which creates the illusion of motion.

The Self of man belongs to the static, invisible,  
conscious, unconditioned universe of KNOWING.  
We express knowing in the dynamic, visible,  
electrically conditioned universe of sensation.

SENSATION IS THE ELECTRICAL  
AWARENESS OF MOTION simulating  
the spiritual QUALITIES of the One Idea by  
creating imaged QUANTITIES of separate forms  
which seem

Consciousness is real. Sensation simulates  
reality through motion of interchanging lights,  
but the mirage of a city is not the city it reflects.





The brain is an electrical recorder, distributor, broadcaster and receiver for all operational parts of that multi-celled machine, but its actions have no relation to intelligence. The brain records sensations of experiences and observations which the senses convey to it. Such sensations are mistaken for thinking and knowing. Sensation arising from electrical motion is purely automatic.

**THINKING  
IS ELECTRIC.**

The brain records sensations of experiences and observations which the senses convey to it. Such sensations are mistaken for thinking and knowing. Sensation arising from electrical motion is purely automatic.

The mistake in assuming that the brain thinks and knows is due to the fact that man believes himself to be thinking when he is only sensing. Man also believes that he is acquiring knowledge through sensed observation of sensed EFFECT, when he is but recording electrical sensations which inform him as to the nature of things observed by his senses.

### **INSTINCTIVE INTERCOMMUNICATION**

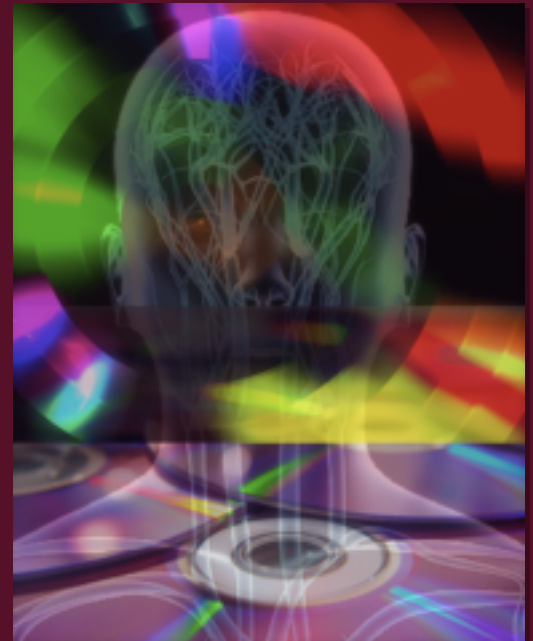
Instinct causes mechanical actions to take place in all bodies to meet the necessities of existence. It is instinct which tells birds to fly south before winter. Instinct tells them the direction of south. Instinct tells them it is warmer in that direction. Instinct likewise governs the migration of seals, the building of the beaver's dam and the weaving of the spider's web.

Instinct might be defined as a cell-memory record of all actions of a body, and of all of the sensations caused by those actions.

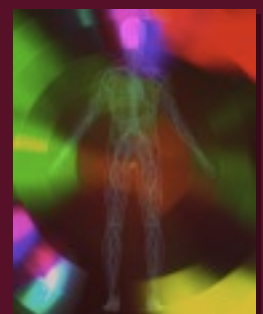
All creations of the Creator are the result of electric wave recordings of the Creator's thought. They are parts of the whole Idea taken apart and put together bit by bit. They are the result of Universal Law, of Cause and Effect.

None of the creations of the Creator have in them at their beginning the power to think.

**THE BODY IS A  
PATTERNED MACHINE  
DESIGNED TO DO  
MANY THINGS.**



**IT TAKES MILLIONS OF  
YEARS FOR COMPLEX  
ORGANISMS TO  
RECOGNIZE THE SPIRIT  
WITHIN THEM  
SUFFICIENTLY TO THINK  
AT ALL.**





THERE IS BUT **MIND** **ONE** COSMIC SUBSTANCE



**EVOLUTION**

IS THE CONCENTRATIVE  
DESIRE OF MIND  
TO CREATE THE  
IDEA OF MANY  
SUBSTANCES  
OUT OF  
THE  
ONE

**DISSOLUTION**

IS THE DECENTRATIVE  
DESIRE OF MIND  
TO RETURN THAT  
WHICH IT HAS  
CREATED, BACK  
INTO ITS  
SOURCE  
IN THE  
ONE

This one substance  
appears to be divided  
into many substances known  
as the elements of matter

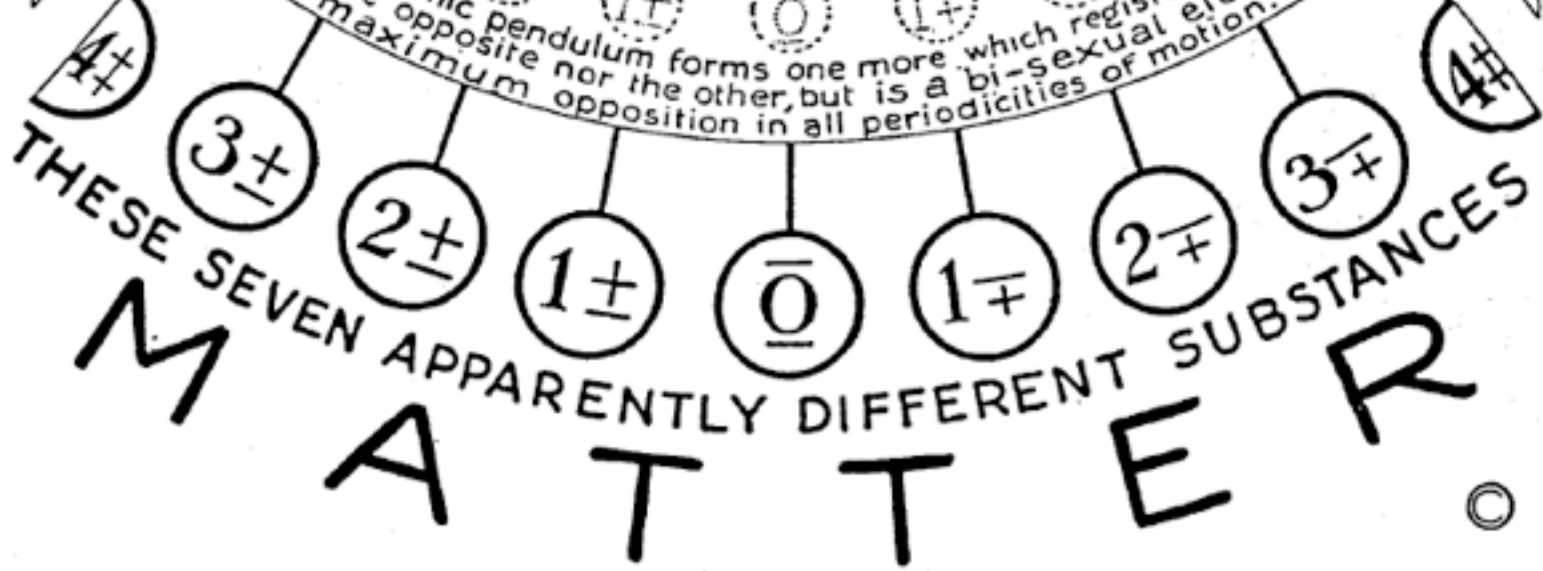
**THE ONE UNIVERSAL SUBSTANCE**

first divides itself into the  
appearance of two opposites, one on either side.

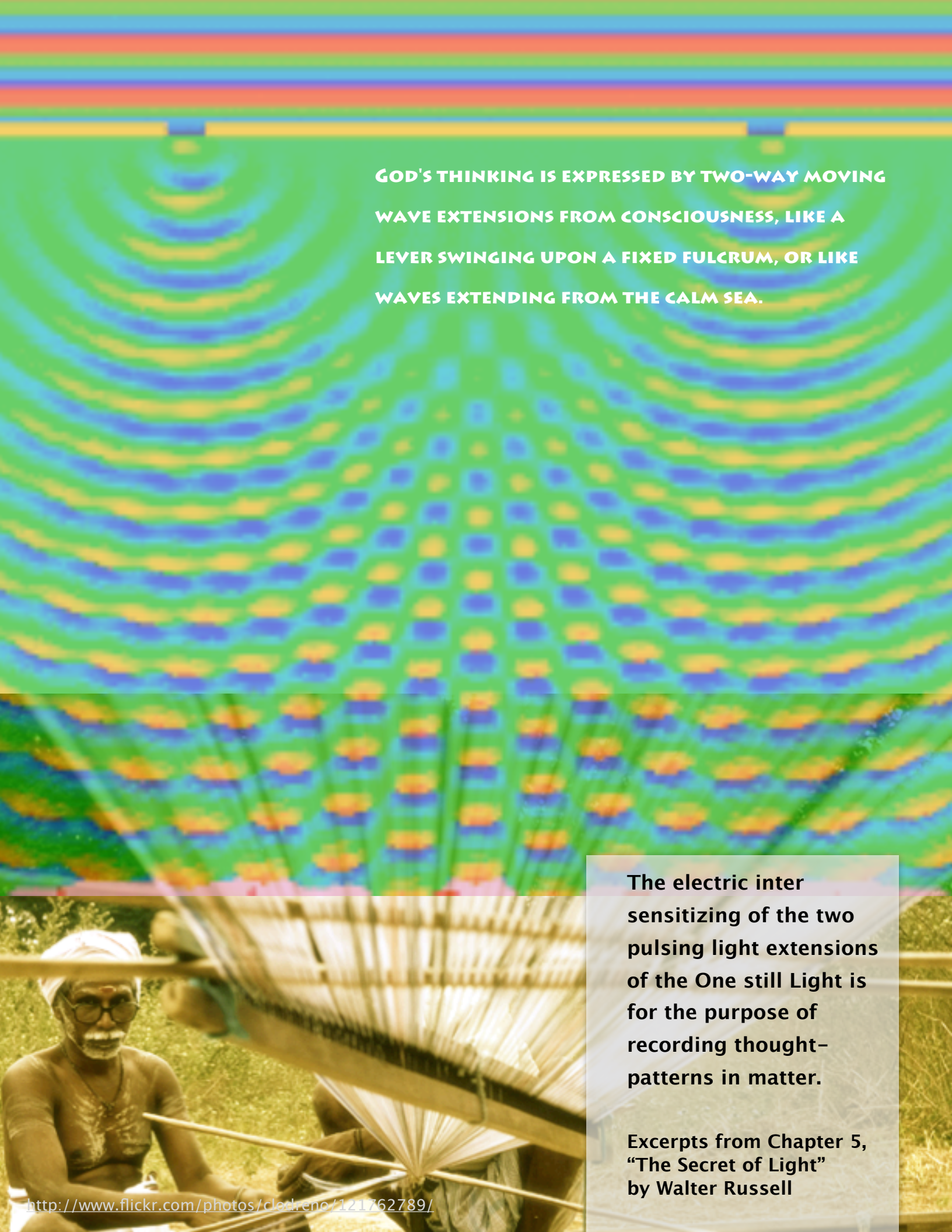
THEN TWO appear as two more opposites of the one.

THEN THREE more of increasing energy and harder crystals appear.


Then the cosmic pendulum forms one more which registers itself as  
neither one opposite nor the other, but is a bi-sexual element of  
maximum opposition in all periodicities of motion.



are but different states of motion of the one substance. They are the seven tones of an octave, and there are ten octaves of seven tones each. In the last four octaves are many mid-tones, each one registering its own state of motion. Man calls these various states of motion of the one substance by many names, and they appear to be many substances. The apparent difference between the many is due solely to difference of motion and not to substance. Many states of motion are possible but there are not two substances in the universe. There is only one substance. There can be only one substance. As all states of motion are measurable and are under the absolute control of mind, and as man is mind, man may, with dawning knowledge of causes, change any one state of motion into any other state of motion, and by so doing transmute any one substance into any other one. The granite rock may become gold, or radium, at the will of man.




**GOD'S THINKING IS EXPRESSED BY TWO-WAY MOVING  
WAVE EXTENSIONS FROM CONSCIOUSNESS, LIKE A  
LEVER SWINGING UPON A FIXED FULCRUM, OR LIKE  
WAVES EXTENDING FROM THE CALM SEA.**



**The electric inter  
sensitizing of the two  
pulsing light extensions  
of the One still Light is  
for the purpose of  
recording thought-  
patterns in matter.**

**Excerpts from Chapter 5,  
“The Secret of Light”  
by Walter Russell**





**KNOWLEDGE CAN BE  
OBTAINED BY MAN  
ONLY THROUGH  
AWARENESS OF THE  
SPIRIT WITHIN HIM.**

**Man becomes a higher  
being with greater  
power as he acquires  
knowledge. In  
knowledge alone lies  
power. Only through  
knowledge can man  
become co-creator  
with God.**

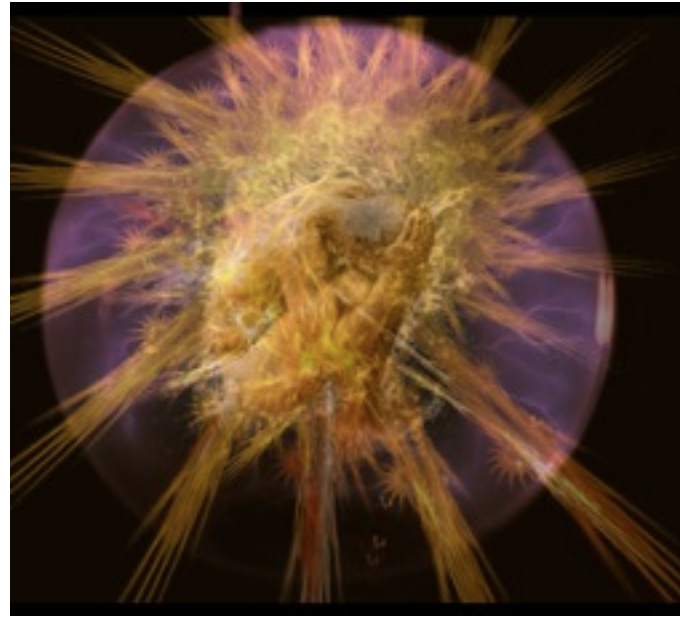
**ORGANIC MATTER  
GENERATES PURELY FROM THE  
DESIRE OF MIND TO MANIFEST  
IDEA IN MATTER.**

**That cosmic desire to create form produces the desired form. Desire is the motivating force of all Creation.**

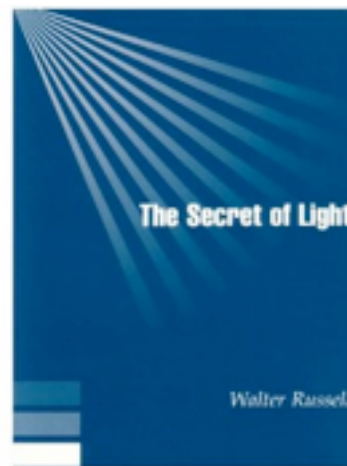
**Man begins to express the idea of man as a single cell. The whole idea of man is in that single cell. It then unfolds in orderly time and space according to cosmic law. Likewise the whole idea of all Creation is in that single cell. All idea is omnipresent. There are no parts of the Whole.**

**Each step in the unfolding of the man-idea follows the continuing desire for unfolding. Cell memory of purpose is given to each cell as it unfolds. Pattern of idea follows in sequence as desire in God Mind and desire in the growing idea work together to express the idea in form.**

**<http://www.philosophy.org/>  
Other Articles**

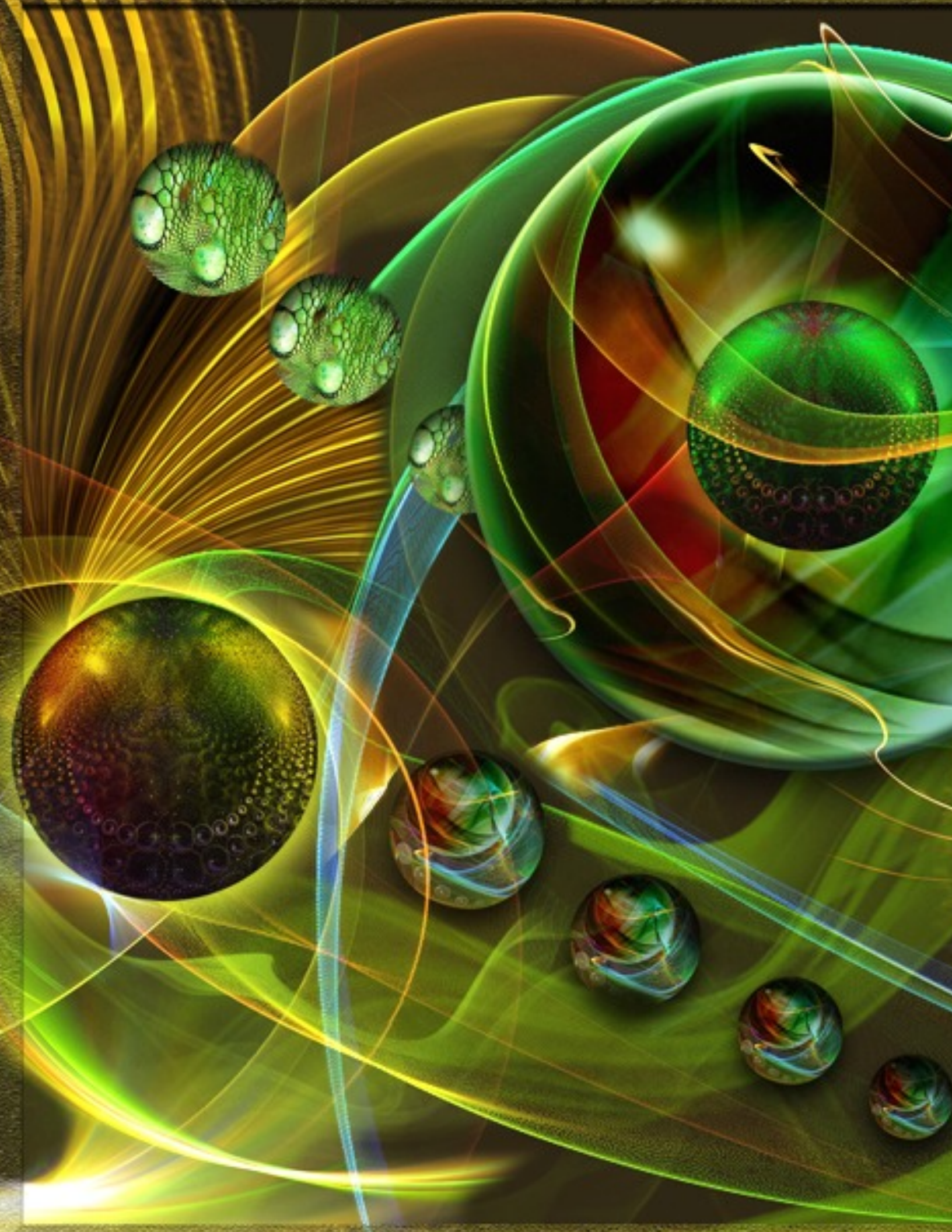


**WHATEVER MAN DESIRES, THE GOD IN HIM WILL CREATE. MAN MUST, HOWEVER, CO-CREATE WITH GOD ACCORDING TO GOD'S UNIVERSAL LAW. IF MAN BREAKS THAT LAW, THE LAW WILL BREAK HIM TO AN EQUAL EXTENT.**

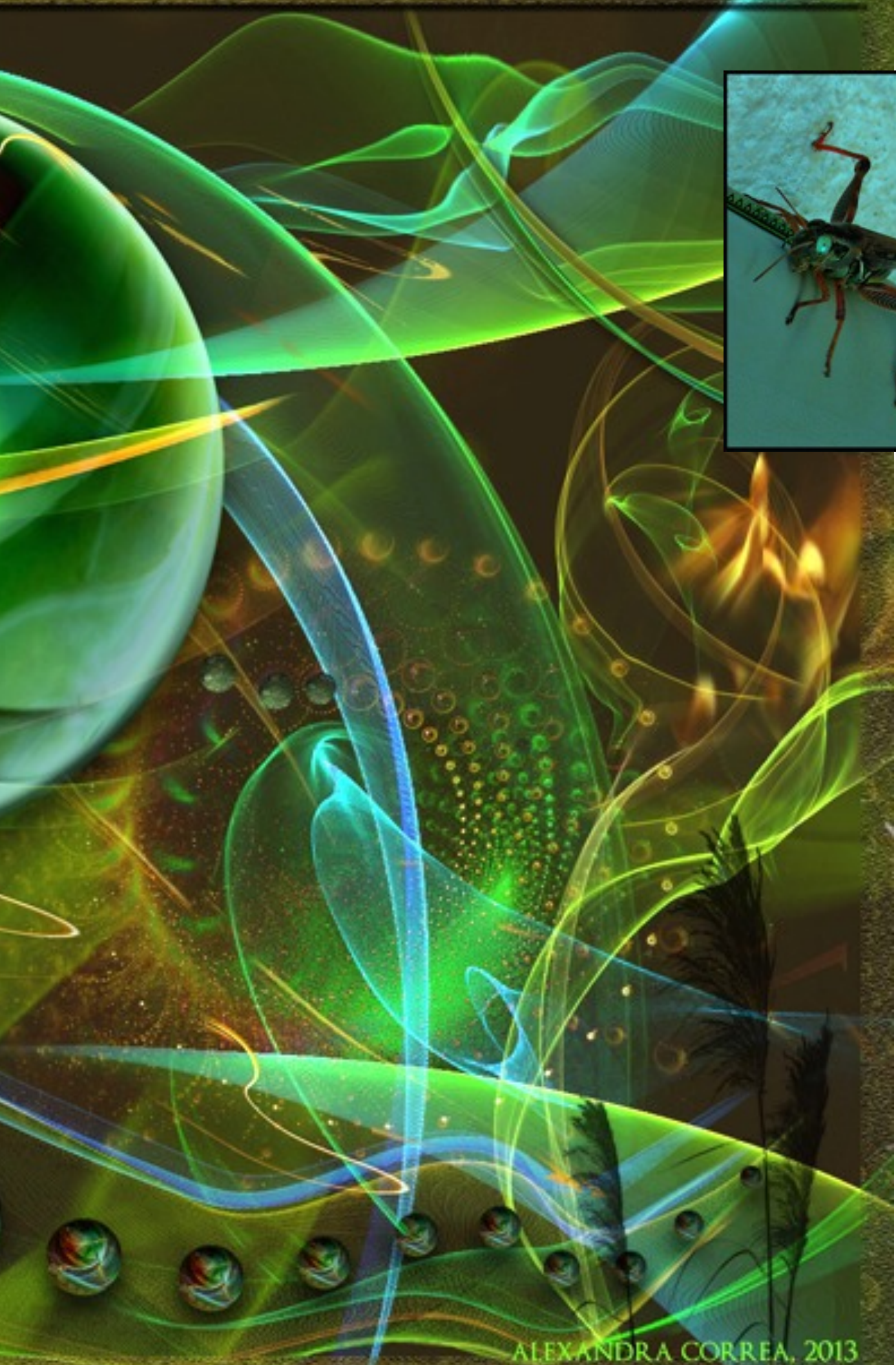


**By Walter Russell**







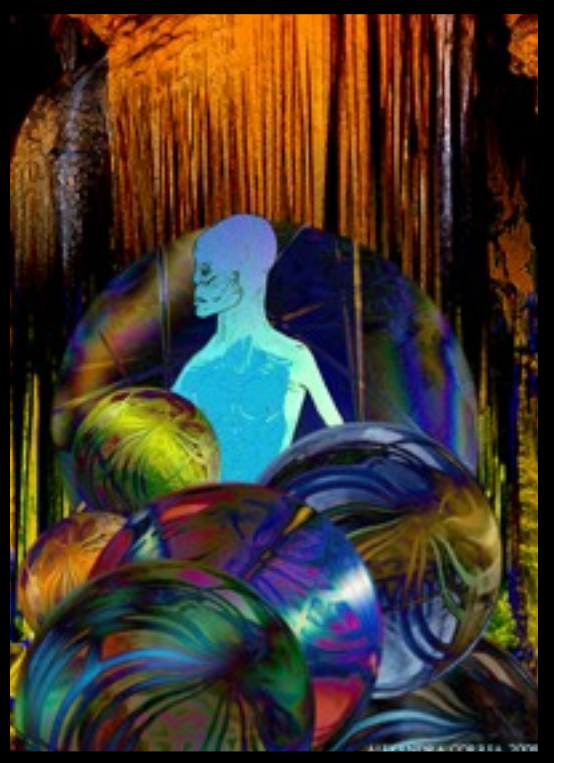


BY ALEXANDRA CORREA





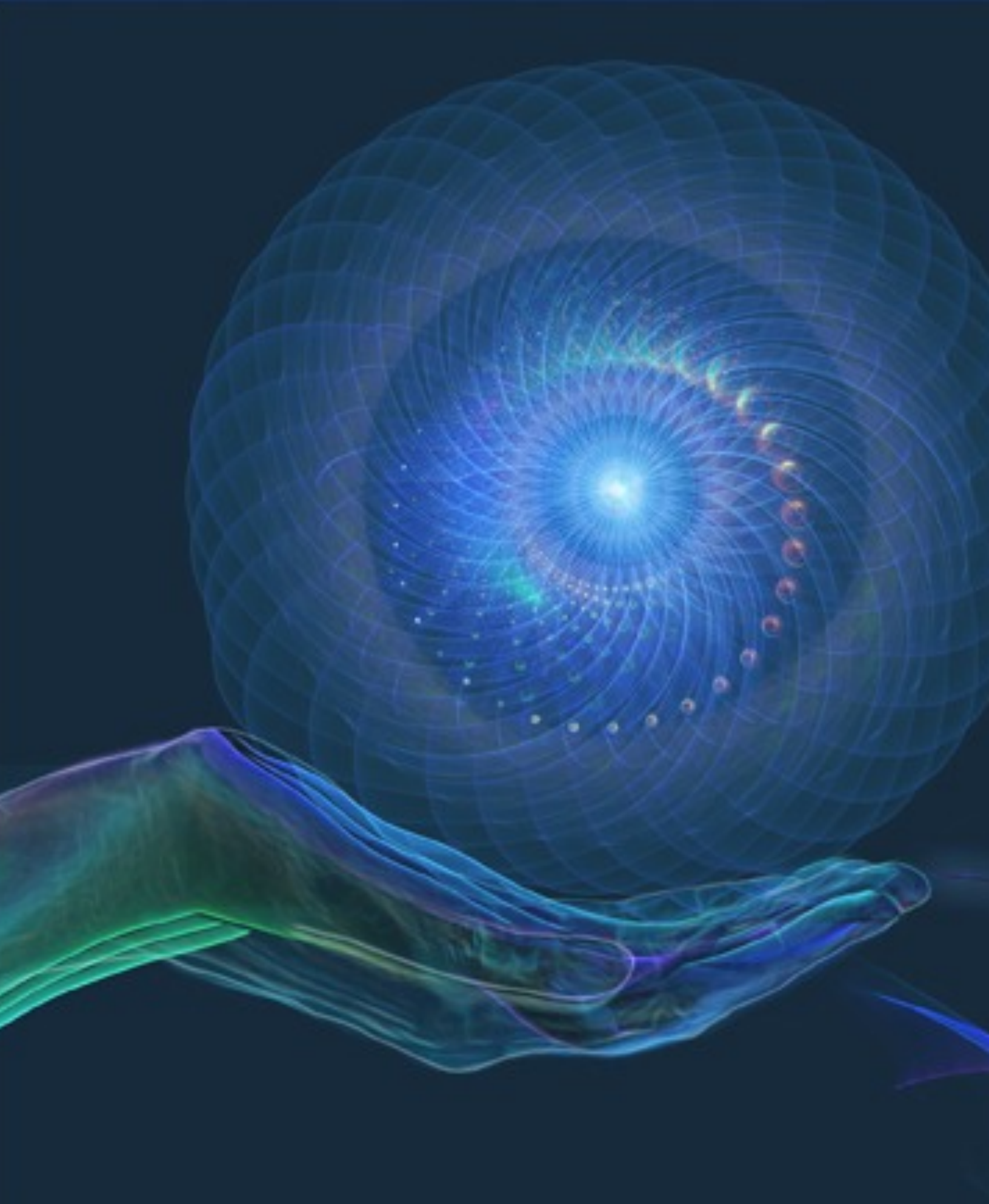
# ALEXANDRA CORREA



ALEXANDRA CORREA, 2008

[www.aetherometry.com/](http://www.aetherometry.com/)





ALEXANDRA CORREA, 2013

# WHICH BODY ELECTRIC, WHICH ELECTRIC SOUL?

By Paulo Correa and Alexandra Correa  
Aurora Biophysics Research Institute

ALEXANDRA CORREA





# AETHEROMETRY IS A NEW...

...but minor science – a science of the massfree Aether and its metrics, a science of energy and bioenergetics – which has turned out to be much maligned by those who invoke the paternities of Tesla and Reich, much reviled by wiki addicts from so-called “open source” communities and, worst of all, simply ignored by institutional scientists, since it is not published in mainstream science outlets. Attempts to submit some of our work to these official science publications has met with outright refusal and null consideration (see for ex. our essay “*Death by Peer-Review*”, at [http://aetherometry.com/Electronic\\_Publications/Science/abs-AS3-1.php#abstractAS3-1.5](http://aetherometry.com/Electronic_Publications/Science/abs-AS3-1.php#abstractAS3-1.5)).

Aetherometry is an orphan – no daddy, no mommy, no official status or identity recognition, no publicity in mainstream outlets and no dissemination across the phony democracy of so-called “social media” (yes, everyone got 140 characters). It needs none of them, as it is about *basic science* (what is certain and what is falsifiable in the diverse but interconnected fundamental domains of physics, biophysics, biochemistry and medical sciences) and about the micropolitics of dissidence that science must uphold against power, official doctrine *and* public opinion. It is not about institutional Big Science, nor about recognition by institutional peers, nor the infantilization of scientists and the lay public to which science is increasingly condemned.

When we say basic science, we mean it. For official physics has failed to actually generate a consistent energy theory or description of the Real. Instead, it mixes theories of force with notions of disembodied waves; it wallows in fake particle-wave dualities; it

legitimizes its stubborn lack of discernment with notions of probability and fuzziness; it equates mass with energy, and ignores the existence of massfree energy, even if the carrier particle of electromagnetic fields appears to be massless (see our essay “*What is a photon? And how and why are photons massless?*”, at

<http://aetherometry.com/DISPLAY/JAethRes/JAR02-09-01>). And through its royal apparatuses (from granting agencies to “peer-reviewed” publications), official physics prevents consideration of any physics that is not institutional. Its failure to become an energy theory further reflects on the incapacity of current bioenergetics to go beyond a purely biochemical account of organic functions, one that only considers the exchange of chemical energy, and this, only with incomplete thermodynamics (for an integral treatment of bioenergy and thermodynamics see our book, “*The Nanometric Functions of Bioenergy*”, 2005).

Whitman could sing the body electric, and the body electric of a myriad of diverse human beings in an epoch when they still fought for their lives and their dreams, when cultures still retained their differences, and freedom still meant something – above all to those who were shackled. But he lived long enough to learn that the “fraternal society” never succeeded, and one wonders whether he would have any occasion today to sing electric any body of a mass-society as globalized as ours. He would have to sing instead the electrified, microwaved, irradiated, overmedicated, oncogenized, cloned, striated body. Could a poet endure such a revulsion?

Can a scientist, in parallel, endure the ongoing and ever more perfected falsification of knowledge without revulsion? Science is not about “the truth”, but about facts. **The recognition of facts does not require consensus, only intelligence and acuity of perception.** Nor does the production and demonstration of facts require consensus – even if they require culture, including the culture of science; demonstration of facts only requires observation and qualified repeatability, and repeatability is the condition for the verifiability of a fact. If a fact is verifiable, its verifiability does not depend on consensus either, only on the demonstration of the fact, from which one would assume that (intelligent) consensus should follow. Not so in our epoch. Of course, there has been a long succession of epochs in our history – too long in fact – which have abjectly consented to power, and, from this social fact of consent, power has long known how to fabricate consensus by creating and manipulating an official “public opinion”. But precisely, scientists were those (Oh Galileo Galilei!) who strove for a scientific consensus based on the recognition of facts alone, and not of power – of a state, religion, capital or a mob. Yes, even Galileo recanted and let the Catholic Church have its consensus, and dictate to science what it could or not determine as a fact. However, today we have apps for that. They alone reflect the democratic consensus of the mass. A scientist complained recently that in physics no funding could be found unless it was wrapped with the “climate change” flag. But physicists lost the legitimacy to complain when their societies and peer-reviewed journals allowed papers that, with falsified

data but signed by thousands of authors, “established” the “facts” of global warming. Poor body electric now herded into paying even more for energy, heating, lodging (the favelas as ultimate fate of condominiums...) and transportation because “science” says it is a green sacrifice, a necessity...

## TO “SCIENCE” SUCH AS THIS, WHAT COULD AETHEROMETRY ADD?

**NOTHING.** And nothing also to its

officiating green margins, where the wildest imaginations proliferate...

Yet, there is no reason to deny what knowledge of the body has been wrestled, in effect with so much effort, by scientists of all stripes and colors in the past 150 years. From cell theory to molecular biology – with the discovery of DNA and the translation of proteins – to modern neuro-endocrinology, complete genomic sequencing, quantum- and nano-biology, it is a tremendous breadth which few scientists (even medical ones or biologists) can comprehend or encompass, let alone the lay public. Everyone is overwhelmed. Instead of sobering one up, the (spectacular) effect is dazzling. It induces exuberant enthusiasm and irrationality only paralleled by a general incapacity to grasp the facts. It reminds one of the allure of Nazi belief in eugenics and social-darwinism. For, it is with the same allure that GM foods, bogus cancer cures (from stem-cell transplants to tumor necrosis factor activation...), ozonized water, zombie cells, etc, are embraced today, in unending carousels of fads. It has all become entertainment.



## HERE, THEN, WHAT CAN BE ADDED?

All is known, or so we are told. After Volta, galvanism was reduced to direct currents of ordinary massbound charges. Since Burr, the electrodynamic variations in DC potential of the body have been known, and reduced to electromagnetism. And Tromp's and Schumann's notion of an electric aura reduced to high-voltage electrostatic fields. Identification of faradic, AC-like action potentials – the contribution of countless researchers in biochemistry, bioelectricity and neurology – and their universal role in cell physiology is today well established in all disciplines of biological investigation. Typical action potentials are characteristic of a variety of metabolic processes – from fertilization and the polyspermy block, to limb development and regeneration, muscle cell contraction, and the transmission of nerve impulses, which is currently exploited by neurocybernetic engraftments that permit, for example, amputees to control prosthetic limbs or blind people to see light and colors. It would all be explained by fluxes of massbound charges (monopolar ions of one type or the other) and the chemical interconversions they would mediate. Indeed, all has become amenable to the notion that organic interfaces or surface membranes, even at cellular or molecular levels, behave as systems for the separation and concentration of massbound charges of the negative



monopolar type, negatrons, which they periodically neutralize with positive ion fluxes - some passively and others actively.

Moreover, since information is treated and conceptualized as being independent from energy considerations and exchanges (indeed, Wiener thought that "the bookkeeping which is most essential to describe [neuron] function is not one of energy"), only the cybernetic component of the "automaton" matters. Energy processes – viz. involved in developmental induction and promotion of induction-responses, or in the formation of resonant and iterative networks of neuronal connections (in the processes of development, organ-regeneration and learning), as well as in the catalytic reactions of allosteric proteins, etc - appear to be simply incident on the stochastic 'logic' of impulse distribution and the formation of biochemical structures. One regards the energy aspect of biological functioning as biochemists regard the ATP molecule - it is

the chemical store of energy, and besides that trivial role, it has no other significance.

SO FAR, AS IT HAPPENS, IT IS ONLY THE BODY OF THE CYBORG TO COME, OR ALREADY HERE, THAT IS ELECTRIC.

NOTHING SO FAR ABOUT THE "ELECTRIC SOUL" OF WHITMAN.

I sing the body electric,  
The armies of those I love engirth me and I engirth them,  
They will not let me off till I go with them, respond to them,  
And discorrupt them, and charge them full with the charge of the soul.

Walt Whitman, "I Sing the Body Electric", 1900, "Leaves of Grass"



ALEXANDRA CORREA, 2007



**Yet, precisely the distinguishing characteristic of the living lies not just in its learning ability but in the energetic processes that do, or not, permit the living to implement 'creative engineering'.**

Confronted with evidence for cellular clocks being variably dependent upon temperature, Leo Szilard wondered: *"If there's no temperature coefficient, that means it's unlikely to be a chemical process (...) Could it be an electric circuit that is independent of temperature? (...) If there's an undiscovered principle of physics, it seems likely that the biosphere will have employed it"* (quoted in Lanouette's "Genius in the Shadows", 1992). THIS IS WHERE AETHEROMETRY MAKES ITS FUNDAMENTAL CONTRIBUTION TO BIOPHYSICS. It presents consistent evidence for the existence of an electrical form of energy that is 'cold' or, more properly, devoid of direct thermal effects (since it is not electromagnetic) and which, on the other hand, can indirectly produce all known forms of blackbody (electromagnetic) radiation. And it presents further evidence for the role that this energy plays in biological systems – at the core of respiratory metabolism, in the action of allosteric proteins such as hemoglobin and cytochrome c, in the light-independent bioclock of the pineal gland (for details see our “Transiently Induced Hyperthermia in Humans Exposed to a Controlled ORAC environment” at [http://aetherometry.com/Electronic\\_Publications/Science/AS2-33/AS2-33.php](http://aetherometry.com/Electronic_Publications/Science/AS2-33/AS2-33.php)), etc.

This line of evidence actually began with Galvani (see our exposition in “Fundamental Measurement of Biological Energies I”, at

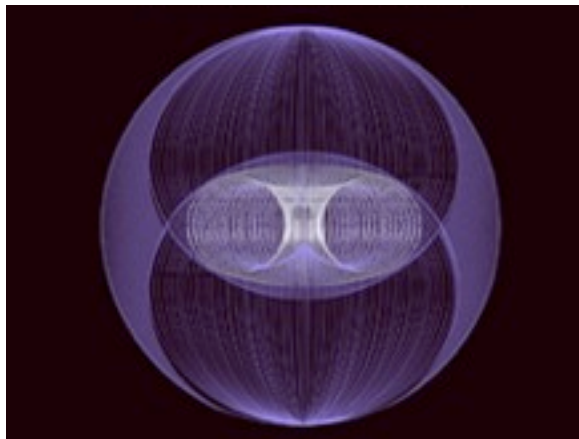
[http://aetherometry.com/Electronic\\_Publications/Science/abs-AS2v4.php#abstractAS2-28](http://aetherometry.com/Electronic_Publications/Science/abs-AS2v4.php#abstractAS2-28)) – a fact that only recently gained some recognition (see for ex. Marcello Pera's “The Ambiguous Frog”, 1992). Galvani put forth a theory of the energetic animation of biological systems that claimed an electric fluid flowed through nerve conduits; he termed it 'Animal Electricity' because he was convinced that it was physically distinct from ordinary electricity. But Volta's interpretation of galvanic currents turned Galvani on his head. Mired in the complex mixture of two electricities – one ordinary and vehiculated by massbound and monopolar charges (ions) and the other “subtle” and vehiculated by massfree and ambipolar charges – the dominant interpretation of galvanism has since been unable to recognize the existence of the latter. Following Volta's lead, most academicians have had many a derisive laugh, but unwittingly at their own cost. Little wonder they only retained from Nikola Tesla that which could be reduced to ion theory and electromagnetism. Indeed, Tesla was equally convinced that he had proven the existence of Aether electricity (high voltage, high frequency currents) as being distinct from ordinary electricity, even by its particles or charge-carriers. Unfortunately, he could not go beyond pure phenomenology in this respect. He (as much as Wilhelm Reich) sorely needed the tools and experimental proofs of Aetherometry in order to demonstrate the ambipolar and massfree nature of Tesla waves, or Tesla radiation: how it propagates across even “empty space”, or by the peculiar forms of apparent unipolar “conduction” in metals and “transport” across dielectrics (viz. the phonon or exciton phenomenology).





# WHAT IS THIS MASSFREE AND AMBIPOLAR ELECTRICITY?

We began its investigation by formally and experimentally demonstrating that the electric radiation from induction coils has physical characteristics not attributable to ion emission or to electromagnetic radiation (for details see our “Re-examination of the energy radiation output by Tesla coils, Part 1”, at [http://aetherometry.com/Electronic\\_Publications/Science/abs-AS2v2A.php#abstractAS2-13](http://aetherometry.com/Electronic_Publications/Science/abs-AS2v2A.php#abstractAS2-13)). We further demonstrated how the electrostatic and electromagnetic effects of induction coils were secondary results of the interaction of Tesla radiation with matter, and proposed a novel algebraic analysis of ambipolar energy, of its conversion into the kinetic energy of monopolar charges that is responsible for these secondary effects, and of how blackbody spectra are generated (see our “Aetherometric treatment of the energy radiation output by Tesla coils, Part 3”, at [http://aetherometry.com/Electronic\\_Publications/Science/abs-AS2v2B.php#abstractAS2-16](http://aetherometry.com/Electronic_Publications/Science/abs-AS2v2B.php#abstractAS2-16)). We analyzed the electrodynamic properties of ambipolar interactions and, most importantly, identified its low-energy, wavelength and frequency spectra – in particular the solar ambipolar spectrum (see our “The indirect 'orgone effect' of Tesla radiation: ambipolar aether and blackbody radiation spectra” at



[http://aetherometry.com/Electronic\\_Publications/Science/abs-AS2v2B.php#abstractAS2-17A](http://aetherometry.com/Electronic_Publications/Science/abs-AS2v2B.php#abstractAS2-17A)), and the spectra of the “cosmic background microwave radiation” and of the “cosmic background radio emission” first identified by Grote Reber (“Endless, Boundless, Stable”, 1977), but which, to this day, has remained unexplained.

Inevitably, this led us to understand Kirlian photography in a very different way – it captured the interaction between two different ambipolar fluxes, that of the coil with that of living beings. Now, we were getting closer to Whitman’s electric soul. It did not lie in the electron plasma that forms near the surface of the body during the Kirlian interaction, but in the ambipolar field that extends out a foot or so from the body surface, and which we were

able to directly detect with a biofield meter of our own design, as witnessed over the years in our laboratory by many physicians and scientists (from Eugene Mallove to Gerald Pollack). The real aura is colorless, made up by a dark, massfree, ambipolar energy field.

Accordingly, we proposed that the propagation of electric signals in neuronal and organic networks involves the transmission of massfree electric wave impulses: it is their interaction with negatrons collected at cellular membranes that triggers the inverse potential, and releases those charges that acquired sufficient electrokinetic energy to overcome the surface tension barrier. This is matched by ion release that, typically by lowering positive charge density, re-establishes the negative charge of the membrane.

# THE PHYSICAL NATURE OF ELECTRIC CHARGE, MASSBOUND AND MASSFREE

The background of the cover features a complex, abstract pattern of glowing purple and blue lines that resemble electrical discharges or energy fields. These lines are set against a dark, almost black background. In the upper right corner, a thin, yellowish crescent moon is visible. The overall aesthetic is scientific and futuristic.



The electromagnetic field is therefore produced only in a subsidiary fashion, after the kinetic energy is released from the charge carriers involved in the ion flows. The action potential only marks the precise moment when a cell converts a sum total or part of its latent heat into a massfree electric “disturbance” that triggers the electron emission mechanism and attendant ion fluxes. Because of their immanent ambipolar field, biological systems could now be understood as micro-analogues of stars. One could no longer laugh at Kirlian phenomena, or at the stories reported by Fenimore Cooper (“he had often heard of men who could tell when it was about to rain, by the toes of amputated limbs”, in “The Pioneers”, 1823). The joke is now on our epoch, and its consensual degradation of what is science, and what science should be about.

Lastly, in parallel with our work of basic scientific investigation, there is also the inevitable aetherometric work of deconstructing myths and irrational barriers to intelligence and perception. For, while on one hand, ambipolar electricity is no more specifically biological than any other form of energy involved in the functioning of living systems, on the other hand, as our research has shown, it is a form of energy found universally in the cosmos – in the radiation from stars, galactic cores and, most importantly, in the lattice structure of cosmic massfree energy (the primary Aether) and its gravitational role. Yes, the latter is still another **aetherometric discovery – that there are no Planck particles; or, rather, that these are ultra-high energy, massfree, ambipolar charges self-**

**ordered in a cosmic flowing matrix, responsible for the production of what are called “primary ultra-high energy cosmic rays” and ultimately – as our cosmogenic scenario proposes – responsible for the creation of all matter, living and nonliving** (see our “The Gravitational Aether, Part II: Quantum & Subquantum Aether (Anti)Gravity” at [http://aetherometry.com/Electronic\\_Publications/Science/abs-AS3-II.php#abstractAS3-II.11](http://aetherometry.com/Electronic_Publications/Science/abs-AS3-II.php#abstractAS3-II.11)

But our epoch – or its science – is like Milligan’s amputated leg which, “buried in so narrow a box” had to be “straitened for room” (“The Pioneers”): the sufferer will not stop complaining until the limb will be “dug up and a larger box furnished”.

**AETHEROMETRY IS THE LARGER BOX WITH WIDER VISTAS. EVEN IF ONLY A FEW – FULLY CHARGED “WITH THE CHARGE OF THE SOUL” – SEEM TO TAKE NOTICE. OR WANT TO.**

[What Is Aetherometry?](#)

[Introduction to Aetherometry](#)

[What is Aether?](#)

<http://www.aetherometry.com/>



**Dr. Paulo N. Correa**, HBA, BSc, MSc, PhD, is a biophysicist, molecular biologist, hematologist (specialty oncology), political scientist, author and inventor. His academic background includes extensive interdisciplinary and multilingual studies, in both Europe and North America, in the fields of Biophysics, Biochemistry, Cellular and Molecular Biology, Oncology, Law, Political Science, Sociology, Languages and Music. He holds a Master's Degree in Biophysics and a Doctoral Degree in Cellular and Molecular Biology, both from the Faculty of Medicine at the University of Toronto.

In the fields of oncology and hematopoiesis, and together with Dr. A. Axelrad, Prof. Emeritus at the University of Toronto, he has [published extensively](#) in scientific journals (*Blood*, *International Journal of Cell Cloning*), and is co-author of two [seminal patents](#) for a novel serum-free, chemically-defined tissue culture medium, and its application to the study of normal and leukemic cell responses. Amongst several other breakthroughs, it has permitted new insight into the causation of blood neoplasms such as Polycythemia vera, Essential Thrombocytosis and idiopathic myelofibrosis.

In the fields of alternative physics, biophysics, and power generation, the experimental and theoretical work of Dr. Correa and his partner, Ms. Alexandra Correa - co-author, co-inventor and collaborator of three decades - has generated a novel and systematic analytical framework (extensively presented in the

Correas' [publications](#)) that has challenged orthodox physical and biophysical paradigms, and has proven itself through several technological inventions of the Correias in the areas of physics, biophysics, biochemistry, and analytical instrumentation, some with special application to clinical oncology (see [Aetherometry Milestones](#)). The Correias have received twelve [pioneering patents](#) in advanced plasma electrodynamic systems and energy conversion.

Dr. Correa is the R&D Director of the Aurora Biophysics Research Institute (ABRI). He is also Senior Partner of [Akronos Publishing](#) (Vaughan, Canada), a small independent book- and web-publisher of scientific research monographs.

**Ms. Alexandra N. Correa** is a psychologist and sociologist (HBA, York University, Toronto), associate glassblower, painter and graphic artist. She is co-author of [over 80 publications](#), including [5 books](#), in the fields of alternative physics, biophysics, power generation, and philosophy of science, as well as co-inventor of several alternative energy systems in the areas of electrodynamics, thermodynamics, and massfree energy. Ms. Correa is Senior Partner of [Akronos Publishing](#).





## LIFE AS WE KNOW IT(?)

Life comes and goes, as we know it.  
Life is here and then it is not as we know it,  
but what do we really know?  
Our measure is so limited, as we know it.  
Should we be able to gauge other life, not  
known;  
what of other senses and powers, not  
known;  
how much life is there that is yet unknown?  
Can we live now or beyond to experience the  
unknown  
and if we could, would we be able to live  
both?  
Can we be in the stream and out or both  
thinking as we think two places or both?  
Can I be me- a body or spirit or both,  
how can two possibly be as one?  
Is there a concept of a greater One  
that parts are parts and yet are one  
which we shall be when we are One?  
For life to be complete, all must be known  
for life must ever come to us in the known  
where each of us will truly be known  
as we are becoming all that is known.

by Gene Webb

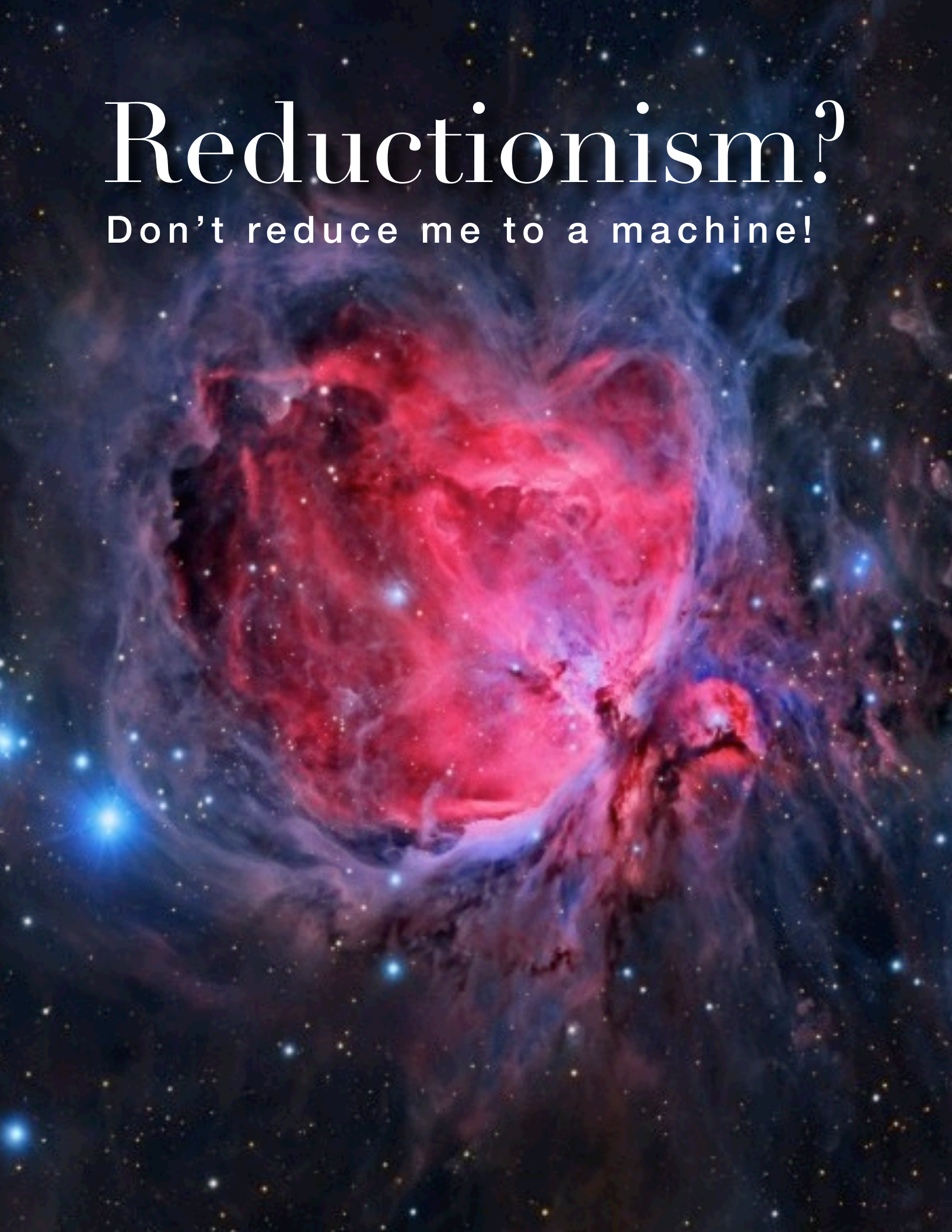






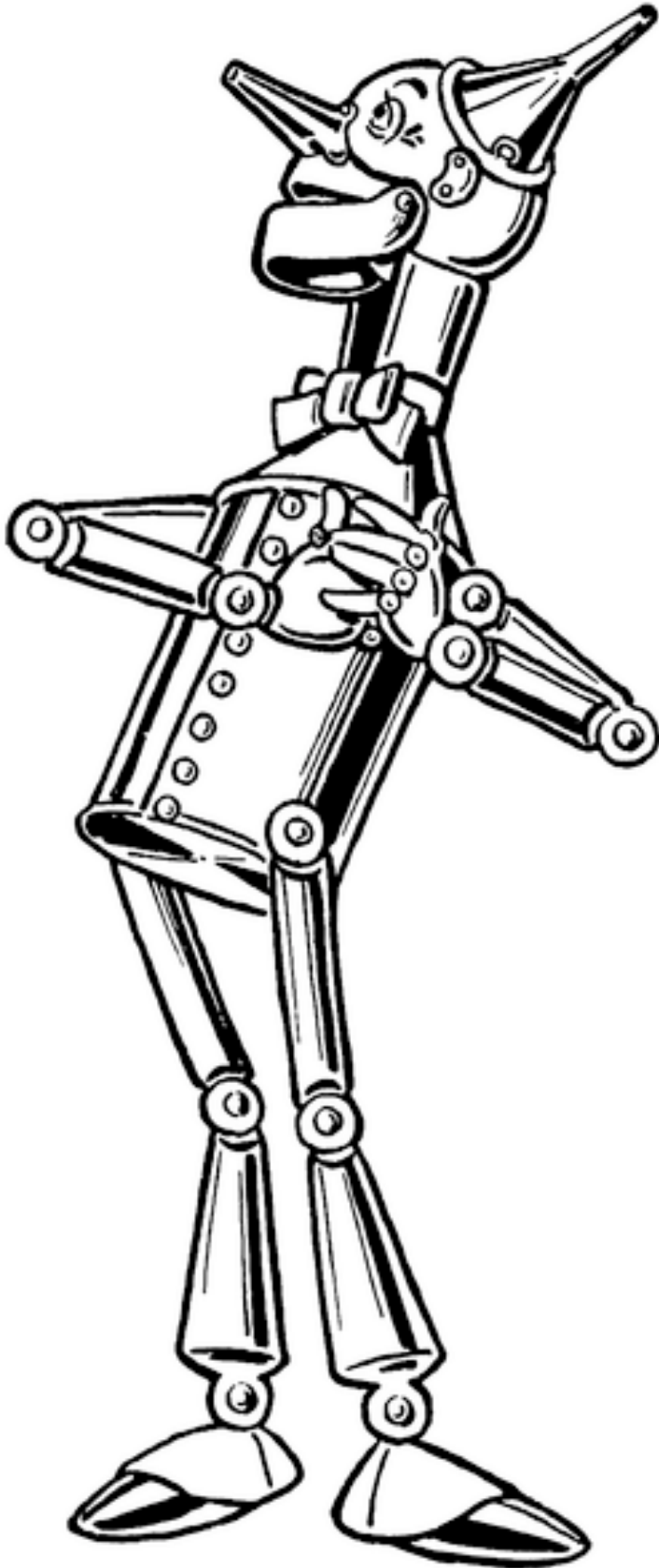
# Reductionism?

Don't reduce me to a machine!



# Science take

# Heart



We need to look no further than the mechanical view of science to see it's missing the heart of what it means to be **ALIVE!** We are more than a particle of matter. We are animated, charged and hold desire--our matter matters to us.

The [Tin Woodman](#) as pictured in [The Wonderful Wizard of Oz](#) by [L. Frank Baum](#), with blue chapter plate and stray dots removed.



# BY KONSTANTIN KOROTKOV

"There are different stages of love: love to parents, love to homeland, love to children, love to three oranges", Boris entered into conversation.

"Real love is determined by what you are ready to sacrifice for your beloved woman", Andrey commented. He had always had an ability to formulate his thoughts briefly, but precisely.

"But is there a difference between the love for children and love for a sexual partner, although in both cases you are ready to sacrifice everything for their sake, even life," asked Ninochka, taking an elegant sip from a crystal liqueur-glass.

"Love has many sides", Valentin replied, "As the Indians say, 'Attraction of bodies gives birth to passion, Attraction of minds gives birth to respect, Attraction of souls gives birth to friendship. Unification of these three attractions gives birth to Love.'"

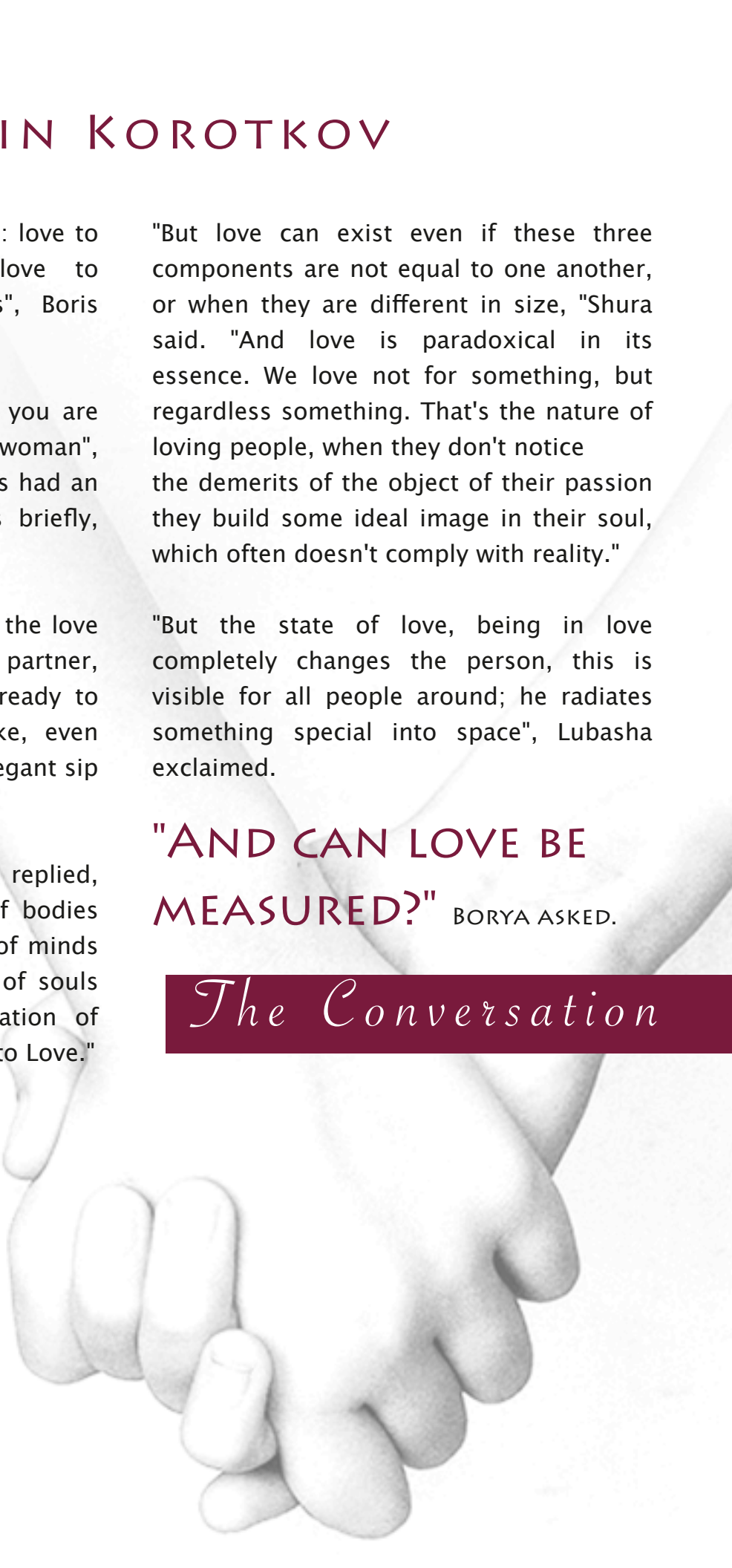
"But love can exist even if these three components are not equal to one another, or when they are different in size, "Shura said. "And love is paradoxical in its essence. We love not for something, but regardless something. That's the nature of loving people, when they don't notice the demerits of the object of their passion they build some ideal image in their soul, which often doesn't comply with reality."

"But the state of love, being in love completely changes the person, this is visible for all people around; he radiates something special into space", Lubasha exclaimed.

**"AND CAN LOVE BE  
MEASURED?"** BORYA ASKED.

*The Conversation*

**Guest**  
**March 5 & 19**  
**Science to Sage**  
**RADIO**



## THE RESEARCH

"The aim of the present research is to study the effect of thoughts as the highest manifestation of human psychological activity, on human the psyche. The research was performed with the help of EPI Camera instrument developed by Prof. K. Korotkov, St. Petersburg, Russia. The instrument registers the pictures of EPI fluorescence of fingers which are further processed in computer and a spatial energy field is built around the human body. The capabilities of this instrument enabled us to visually see the changes taking place in the human energy field under the influence of various thoughts.

# CAN LOVE BE MEASURED?

## A THOUGHT OF LOVE, COMING FROM ONE HEART TO THE OTHER

in the form of a separate energy cluster, was fixed for the first time in the present research using Gas Discharge Visualization (EPI) technique. At present many scientists acknowledge that the thought has material nature, that the thought is energy. And this energy is everpenetrating. **Numerous telepathic experiments have proven that neither the thickest wall nor long distance has been an obstacle for the thought.** From 1919 to 1920's a well-known Russian scientist, doctor- psychologist and academician V.M. Bekhterev had performed a number of experiments on the directed transfer of thought to some distance. First the experiments had been performed on animals, and then on people. He proved scientifically that a person could mentally influence another one. In the 1920's a famous Indian biologist G. Boshe investigated the effect of human thought on vital activity of plants. In the 1930's and 1940's in the West many scientists had been researching the influence of thought and had made experiments on thought transfer (Adrian and Metius, England; Rein and MacDougall, USA; Brunler, Germany). A doctorpsychiatrist from California, Anita Mjull, had demonstrated that thoughts of different quality influence an individual in a different way, changing pulse frequency.

BY KONSTANTIN KOROTKOV





Modern scientific ideas about the world tell about the energy nature of all the living. And the basis of the Energy paradigm is the law of conserving energy. As soon as radioactivity had been discovered, it became obvious that matter is transferred into energy, although gradually. And Einstein's equation  $E = mc^2$  gives grounds to speak not only on the transformation of matter into energy, but also on the reverse process **TRANSFORMATION OF ENERGY INTO MATTER, I.E. PROVES THAT ENERGY AND MATTER ARE A ONE IN-TWO MANIFESTATION OF ONE AND THE SAME UNIVERSAL SUBSTANCE.**

The World paradigm of the ancients had always kept the notion about the single moving force of the Universe and the interconnection of all the living in the Cosmos. Different nations in different centuries had called this ever-basic cosmic energy in different ways: Qi in Ancient China, Prana and Vital force in Ancient India. Psychic energy in modern science. "The world process is the manifestation of the single world energy", considered V.M. Behterev, "and wherever the latter was found and in whatever forms, it is manifested everywhere in one and the same correlations and is subject to the

same rules and laws". **AND "THIS SOLE WORLD ENERGY IS TRANSFORMED INTO NERVOUS-PSYCHOLOGICAL ENERGY" IN THE HUMAN BEING.**

Thought as the highest manifestation of human psychic activity is also the highest demonstration of psychic energy.

We captured the emanation of psychic energy, coming not from the brains, but from the hearts of individuals while they were sending thoughts of love and good will through space and concentrating on a close, beloved person.

Fig. 27 represents the human energy field when thought "May the World feel the good" is sent into the space. Activation of heart energy center (heart chakra) takes place. The human energy field picture clearly demonstrates the emanation of energy from the heart, exceeding the width of the general energy field by two or three times, and a mass of emanation from the left little finger is observed on the EPI-grams of fingers. The energy field itself, on the whole, remains even, without breaks, holes, and without emanation from the other energy centers. The energy of love "flies" from the heart. The pulse increases by 10-15 beats a minute, at that.

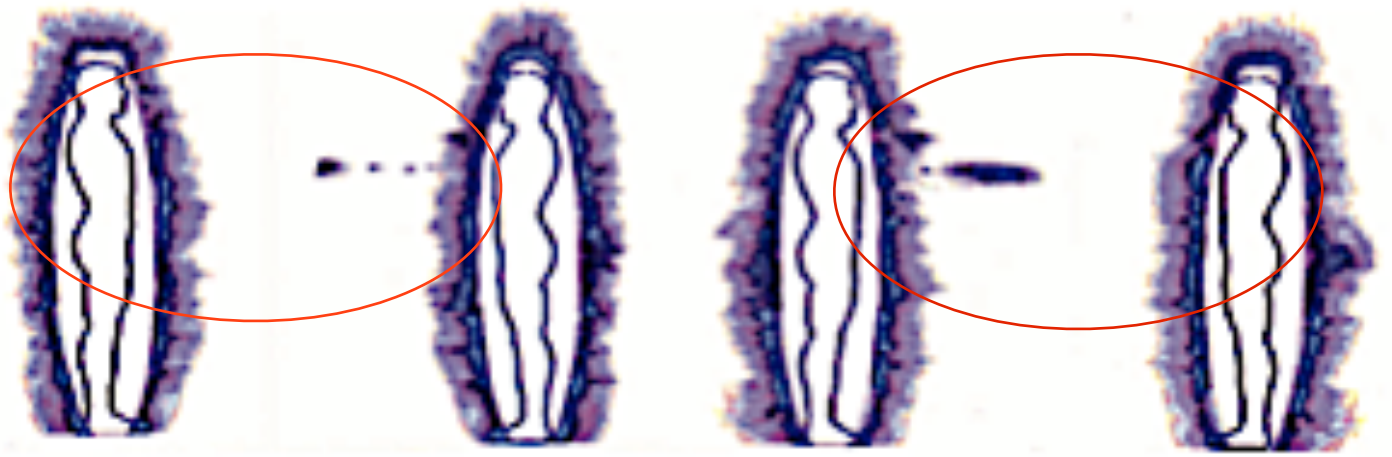


Fig.27. Exchange of Love between people

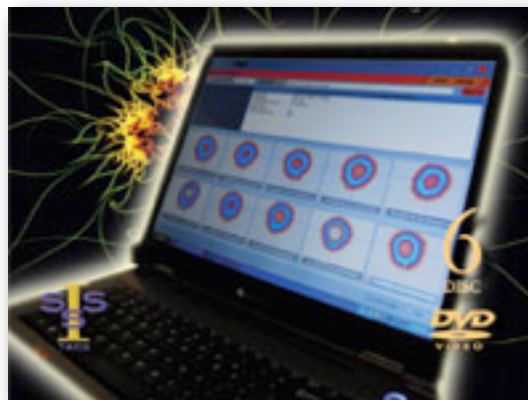
We managed to capture an energetically isolated cluster coming from the heart of the thought's sender to the heart of the thought's receiver when a significant level of concentration and sincerity was reached during the process of sending thought to the beloved person. On the EPI-grams of fingers, the thought that is sent is located in the heart sector of the left little finger, while the thought received is located in the heart sector of the right little finger.

of the heart sector and at different distances from the glow of the little finger.

We found the exact moment when the energy cluster of the thought that was sent appeared. The cluster was registered within 1–2 sec, regardless of the distance between the objects (experiments were performed both at 100 inches distance between participants and at 932 miles distance from one city to the other).

## THE ENERGY OF CONSCIOUSNESS

We can distinguish the characteristics of the thought being sent. First, a clear image of the energy cluster, separated from the main energy field, appears. Secondly, the color and form of this cluster is very similar to that of the main field. According to the level of brightness, the core of the cluster corresponds to the brightest part of the main aura of the finger or even exceeds it. The cluster may appear at different points



Many well-known scientists are preoccupied with the question where the thought is born. The Nobel Prize laureate G. Eckles assumed that the

brain is the acceptor of thought, and not the producer, i.e. it just accepts and processes thoughts and doesn't produce them itself. Academician N. P. Behtereva considers that this is not absolutely true.



Many well-known scientists are preoccupied with the question where the thought is born. The Nobel Price laureate G. Eckles assumed that the brain is the acceptor of thought, and not the producer, i.e. it just accepts and processes thoughts and doesn't produce them itself. Academician N. P. Behtereva considers that this is not absolutely true. The brain does quite well with the simplest thoughts, but when the question is concepts, etc., it is really more complicated. In 1995 a professor of Melbourne University doctor Herst had made a discovery: he declared that the heart had been able to think independently, i.e. to change its rhythm irrespective of the brain. The results obtained with the EPI camera instrument prove this viewpoint.

**THE THOUGHT FELT DEEPLY BY THE HEART IS BORN IN THE HEART, IS TRANSFERRED BY THE HEART, AND IS RECEIVED BY THE HEART.**

**And the more heart feelings an individual puts in, i.e. sincerity into the transfer, the more obvious is the increase of pulse.** Required heart energy is quasi attached to the thought, so that

it has vital activity. In the Studies of Live Ethics, which came through Nicholas and Helena Roerichs it is said, **"IT IS NOT THE BRAIN SUBSTANCE THAT THINKS. TIME HAS COME FOR ALL TO RECOGNIZE THAT THOUGHT IS BORN IN THE FIRE CENTERS.**" Thought exists as something weighty and invisible, but it is necessary to understand that **matter is not the only thing that matters.** The thought is sent through the heart and is received through the heart, as well". Thus, for the first time, we registered the thought of love, coming from one heart to another one.

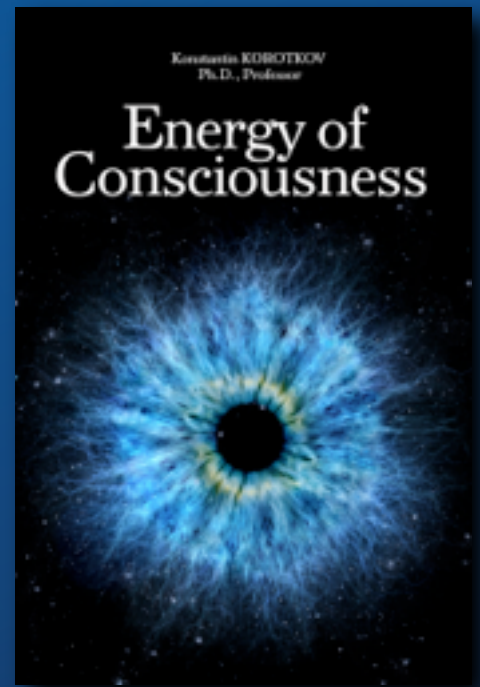


Human thought is energy, which can influence plants, animals and the human being, that is, all the environment. In accordance with the law of energy conservation, the thought is indestructible. Mankind is constantly thinking in the process of its activity, making its contribution to the energetic of earth. AND THIS MEANS THAT EACH PERSON SHOULD REALIZE HIGH RESPONSIBILITY FOR THE QUALITY OF HIS OR HER THOUGHTS.

Isn't it a wonderful research! Moreover, it's worth mentioning that the phenomenon of sending "love energy" has been registered many times, with different people, sincerely loving each other and sending their tender feelings to one another.

SO, IT TURNS OUT THAT LOVE IS REALLY THE ONLY FORCE THAT CAN WITHSTAND EVIL AND SAVE HUMANITY FROM THE COMING CATASTROPHES.

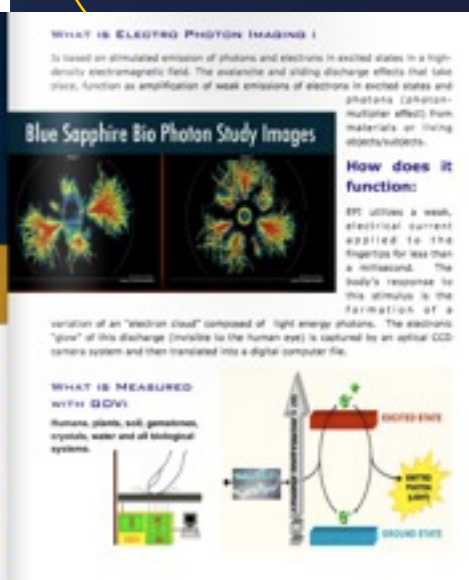
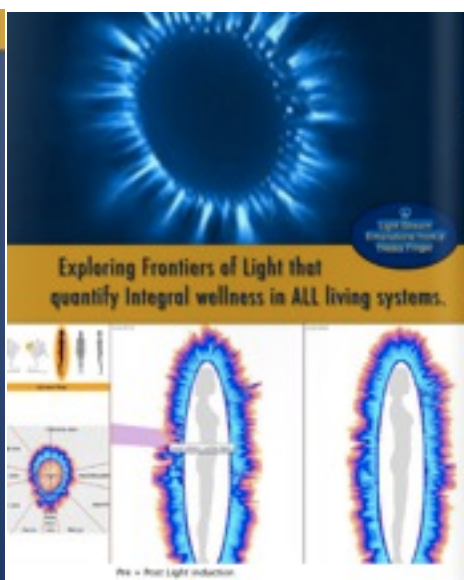
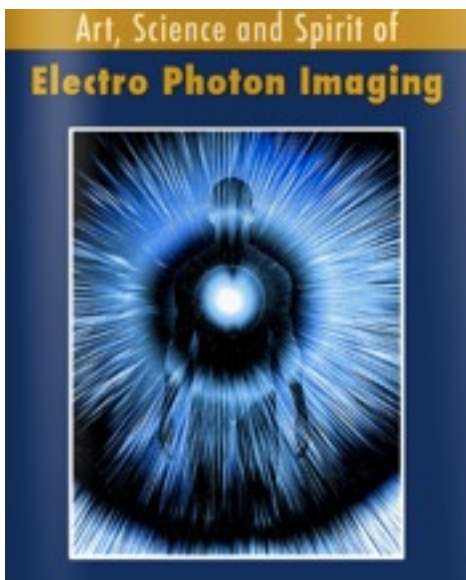
BY KONSTANTIN KOROTKOV



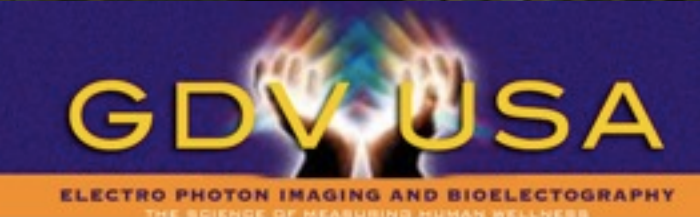
This book describes spiritual adventures with mediums, healers, and ordinary people on various continents. It is written by mountaineer, professor and a world renowned scientist, who has devoted his life to the study of spiritual worlds from a scientific perspective.

<http://www.gdvplanet.com/component/k2/item/120-the-energy-of-consciousness>

Learn more about Electro Photon Imaging...click here







The EPI/GDV (Electro Photon Imaging) system provides non-invasive, painless and almost immediate evaluation which can highlight potential health abnormalities prior to even the earliest symptoms of an underlying condition, and suggests courses of action. These may include identifying an area for further medical exploration, suggesting products that may be beneficial (such as vitamins, minerals, supplements), or evaluating energy, stress and vitality. In each case, the EPI scan can provide a broad spectrum of information and supportive suggestions.

EPI utilizes a weak, electrical current applied to the fingertips for less than a millisecond. The body's response to this stimulus is the formation of a variation of an "electron cloud" composed of light energy photons. The electronic "glow" of this discharge (invisible to the human eye) is captured by an optical CCD camera system and then translated into a digital computer file.

<http://gdvusa.org/>  
<http://korotkov.org/>

## Dr. Konstantin Korotkov

Konstantin Kovotkov has published over 200 papers in leading journals on physics and biology, and he holds 17 patents on biophysics inventions. Prof. Korotkov has led a research career for over 30 years, combining rigorous scientific method with an insatiable curiosity about things of the spirit and the soul with deep respect for all life. He is also a scholar in philosophy and a serious mountaineer of 25 years experience. He has given lectures, seminars and training sessions in 43 countries, presenting papers and workshops at more than 100 national and international conferences.

He is the author of 9 books; Most of them are translated to English, French, German, Italian and Spanish, including Light After Life: Experiments and Ideas on After-Death Changes of Kirlian Pictures, USA 1998. Aura and Consciousness – New Stage of Scientific Understanding, Russian Ministry of Culture, 1998. Human Energy Fields: Study with GDV Bioelectrography, USA 2002. Spiral Traverse, (USA?) 2006. An editor of the book: Measuring Energy Fields: State of the Art. GDV Bioelectrography series, USA 2004.

At the V Congress of the International Union of Medical and Applied Bioelectrography (IUMAB) in Curitiba, Brasil, (Brazil, in USA) in 2001, Dr. Korotkov was elected as President of the IUMAB by the world's most prominent researchers. He was re-elected as a President in 2005 and 2010. He is a Member of the Federal University Scientific Board on new medical technologies, Member of the Scientific Board of the European Society of Predictive Medicine (France) and of the Editorial Board of the «Journal of Alternative and Complementary Medicine» (USA).

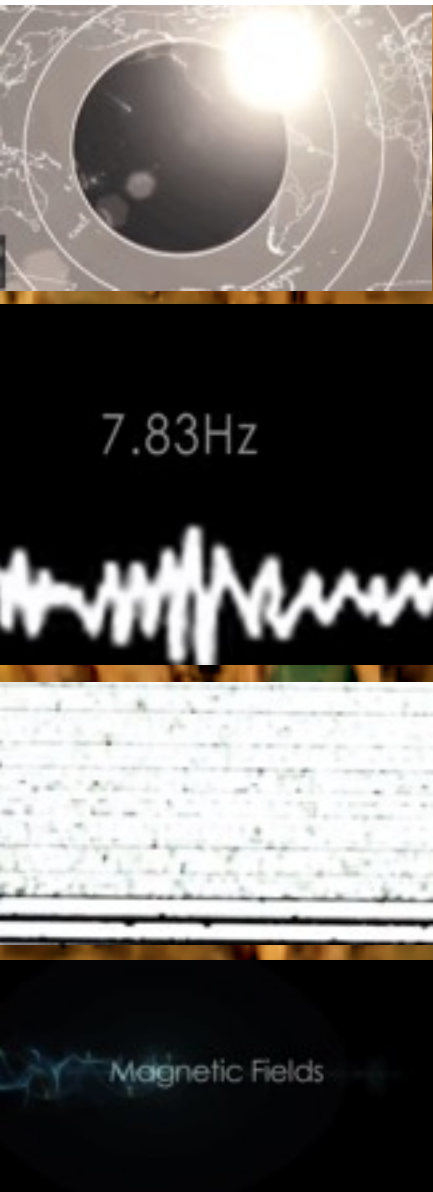
The EPC/GDV technique is accepted by Russian Ministry of Health as a Medical technology and certified in Europe. More than 1000 doctors, practitioners and researchers benefit from using this technology worldwide. More than 150 papers are published on GDV in (how many) different countries.

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# RESONANCE - BEINGS OF FREQUENCY

(DOCUMENTARY FILM)



AS AN ORGANISM, WE ARE ON OVERLOAD. OUR TECHNOLOGY IS INTERFERING WITH OUR NATURAL PROCESSES.

**WARNING/ALERT: A MUST SEE DOCUMENTARY.**



# HEAD-HEART INTERACTIONS



Traditionally, the study of communication pathways between the "head" and heart has been approached from a rather one-sided perspective, with scientists focusing primarily on the heart's responses to the brain's commands. However, we have now learned that communication between the heart and brain is actually a dynamic, ongoing, two-way dialogue, with each organ continuously influencing the other's function.

Communication along all these conduits significantly affects the brain's activity. Moreover, our research shows that messages the heart sends the brain can also affect performance.

**THE HEART'S  
ELECTRICAL FIELD IS  
ABOUT 60 TIMES  
GREATER IN AMPLITUDE  
THAN THE ELECTRICAL  
ACTIVITY GENERATED  
BY THE BRAIN.**

THE HEART COMMUNICATES WITH THE BRAIN AND BODY  
IN FOUR WAYS:

- NEUROLOGICAL COMMUNICATION (NERVOUS SYSTEM)
- BIOPHYSICAL COMMUNICATION (PULSE WAVE)
- BIOCHEMICAL COMMUNICATION (HORMONES)
- ENERGETIC COMMUNICATION (ELECTROMAGNETIC FIELDS)



The studies described in this section probe several of these communication pathways, **looking specifically at how the brain responds to patterns generated by the heart** during positive emotional states. The first two studies focus primarily on neurological interactions, demonstrating that the afferent signals the heart sends the brain during positive emotions can alter brain activity in several ways. In the first study, we find that cardiac coherence can drive entrainment between very low frequency **brainwaves and heart rhythms**, thus further expanding our understanding of the physiological entrainment mode described in the previous section. In the second study, we learn that coherent heart rhythms also lead to increased heart–brain synchronization. The implications of these findings are explored in the third study, which shows that in states of high heart rhythm coherence, individuals demonstrate significant improvements in cognitive performance.

Taken together, the results of these studies demonstrate that intentionally altering one’s emotional state through heart focus modifies afferent neurological input from the heart to the brain. The data suggest that as people experience sincere positive feeling states, in which the heart’s rhythms become more coherent, the changed information flow from the heart to the brain may act to modify cortical function and influence performance. These

findings may also help explain the significant shifts in perception, increased mental clarity and heightened intuitive awareness many individuals have reported when practicing the HeartMath techniques.

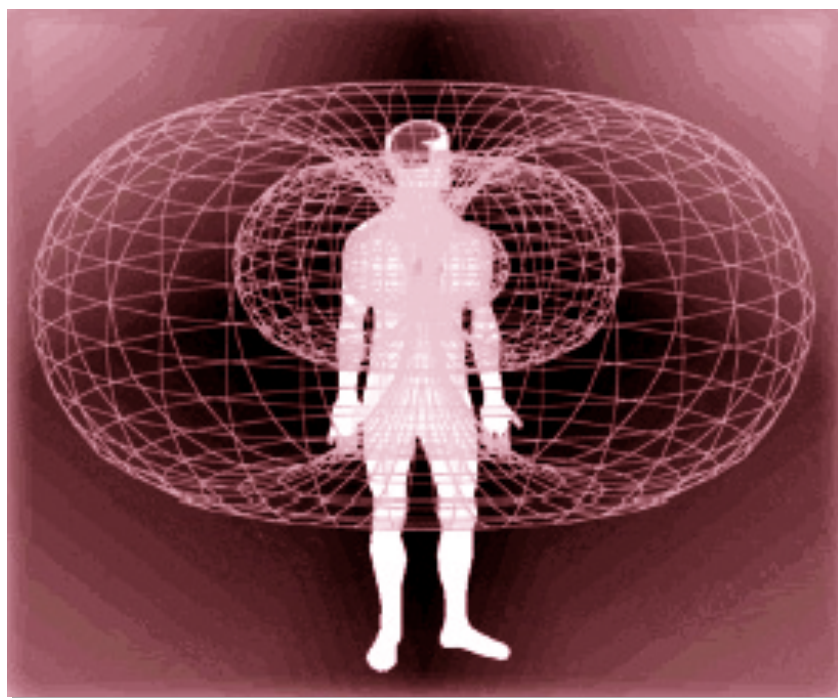
The final two studies in this section are concerned with **energetic communication** by the heart, which we also refer to as **cardio–electromagnetic communication. The heart is the most powerful generator of electromagnetic energy in the human body**, producing the largest rhythmic electromagnetic field of any of the body’s organs. The heart’s electrical field is about 60 times greater in amplitude than the electrical activity generated by the brain. This field, measured in the form of an electrocardiogram (ECG), can be detected anywhere on the surface of the body. Furthermore, the magnetic field produced by the heart is more than 5,000 times greater in strength than the field generated by the brain, and can be detected a number of feet away from the body, in all directions, using SQUID–based magnetometers (Figure 12). Prompted by our findings that the cardiac field is modulated by different emotional states (described in the previous section), we performed several studies to investigate the possibility that the electromagnetic field generated by the heart may transmit information that can be received by others.

THE HEART IS THE  
MOST POWERFUL  
GENERATOR OF  
ELECTROMAGNETIC  
ENERGY IN THE  
HUMAN BODY,





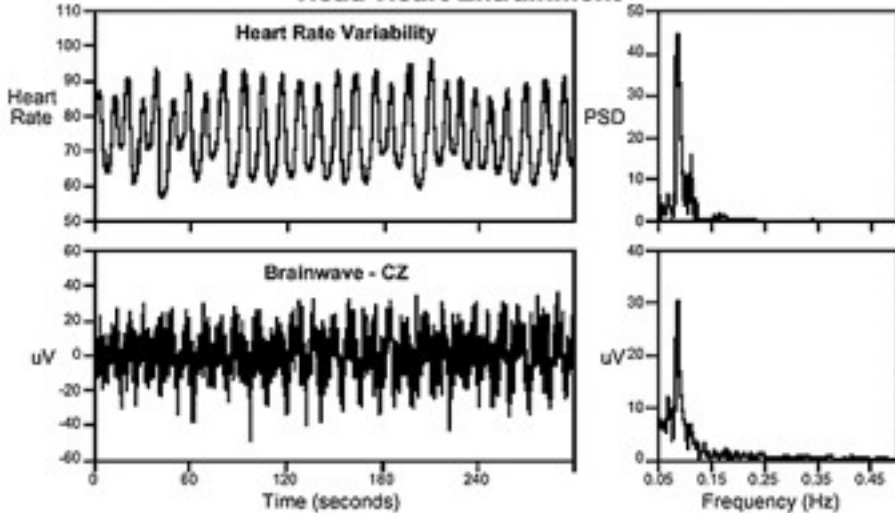
The heart's electromagnetic field--by far the most powerful rhythmic field produced by the human body--not only envelops every cell of the body but also extends out in all directions into the space around us. The cardiac field can be measured several feet away from the body by sensitive devices. Research conducted at IHM suggests that the heart's field is an important carrier of information.



### **THE HEART'S ELECTROMAGNETIC FIELD**

Thus, the last two studies summarized in this section explore interactions that take place between one person's heart and another's brain when two people touch or are in proximity. This research elucidates the intriguing finding that the electromagnetic signals generated by the heart have the capacity to affect others around us. Our data indicate that one person's heart signal can affect another's brainwaves, and that heart-brain synchronization can occur between two people when they interact. Finally, it appears that as individuals increase psychophysiological coherence, they become more sensitive to the subtle electromagnetic signals communicated by those around them. Taken together, these results suggest that cardioelectromagnetic communication may be a little-known source of information exchange between people, and that this exchange is influenced by our emotions.

## Head-Heart Entrainment



## HEAD-HEART ENTRAINMENT: A PRELIMINARY SURVEY

Rollin McCraty, Ph.D., William A. Tiller, Ph.D. and Mike Atkinson.

In: Proceedings of the Brain-Mind Applied Neurophysiology EEG Neurofeedback Meeting. Key West, Florida, 1996.

**Key findings:** As people learn to sustain heart-focused positive feeling states, the brain can be brought into entrainment with the heart.

**Summary:** This study examines in further detail the entrainment mode of cardiac function described previously in "Cardiac Coherence: A new noninvasive measure of autonomic nervous system order." In the previous investigation it was found that when the heart is functioning in the entrainment mode, there is a marked shift in the HRV power spectrum to the resonant frequency range of the baroreceptor feedback loop (around 0.1 Hz), and frequency locking between the HRV waveform, respiration and pulse transit time occurs. The present study shows that as individuals learn to maintain the entrainment mode through sustaining sincere, heart-focused states of appreciation or love, the brain's electrical activity can also come into entrainment with the heart rhythms.

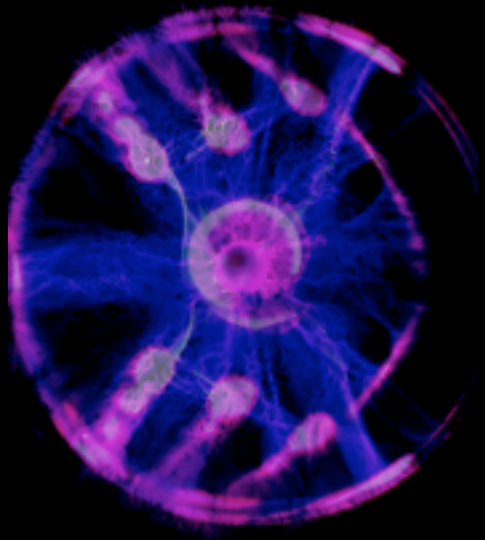
Figure 13, below, shows an example of entrainment occurring between a subject's HRV and the very low frequency band region of the electroencephalograph (EEG) recordings after the individual practices the Freeze-Frame intervention for 5 minutes. There is nearly a hundred-fold increase in power in the 0.1 Hz frequency range of the HRV power spectrum after the Freeze-Frame intervention and a correlated 4 to 5-fold increase in the EEG signal power in that same frequency range. Our present hypothesis is that a strong and sustained increase in baroreceptor system activity leads to greatly increased coupling between the heart (HRV) and the brain (EEG) via nerve conducted signals and increased coherence in the vascular system. The results of this experiment provide one example of how increasing coherence in the heart rhythms, by intentionally generating positive emotions, can alter brain activity.

HEARTMATH.ORG





# Electric Touch



# THE ELECTRICITY OF TOUCH: DETECTION AND MEASUREMENT OF CARDIAC ENERGY EXCHANGE BETWEEN PEOPLE

WHEN PEOPLE TOUCH OR ARE IN PROXIMITY, ONE PERSON'S HEARTBEAT SIGNAL IS REGISTERED IN THE OTHER PERSON'S BRAINWAVES.

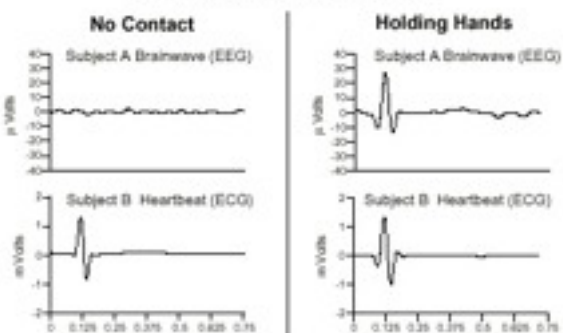
The concept of an energy exchange between individuals is central to many healing techniques. This concept has often been disputed by Western science due to the lack of a plausible mechanism to explain the nature of this energy or how it could affect or facilitate the healing process. The fact that the heart generates the strongest electromagnetic field produced by the body, coupled with our findings that this field becomes measurably more coherent as the individual shifts to a sincerely loving or caring state, prompted us to investigate the possibility that the field generated by the heart may significantly contribute to this energy exchange. This study presents a sampling of results which provide intriguing evidence that an exchange of electromagnetic energy produced by the heart occurs when people touch or are in proximity. Signal averaging techniques are used to show that one person's electrocardiogram (ECG) signal is registered in another's electroencephalogram (EEG) and elsewhere on the other person's body (See Figure 18 for an example). While this signal is strongest when people are in contact, it is still detectable when subjects are in proximity without contact.

Rollin McCraty, MA, Mike Atkinson, Dana Tomasino, BA and William A. Tiller, Ph.D.

[HEARTMATH.ORG](http://HEARTMATH.ORG)

## The Electricity of Touch

Heartbeat Signal Averaged Waveforms

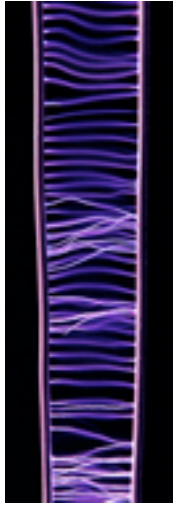




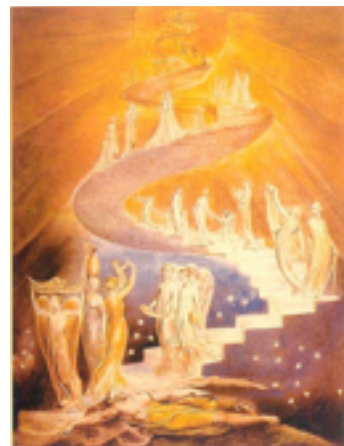


PSYCHOENERGETIC  
SCIENCE APPLIED TO  
THE MIND-BODY  
CONCEPT

# “THE LADDER OF UNDERSTANDING”.



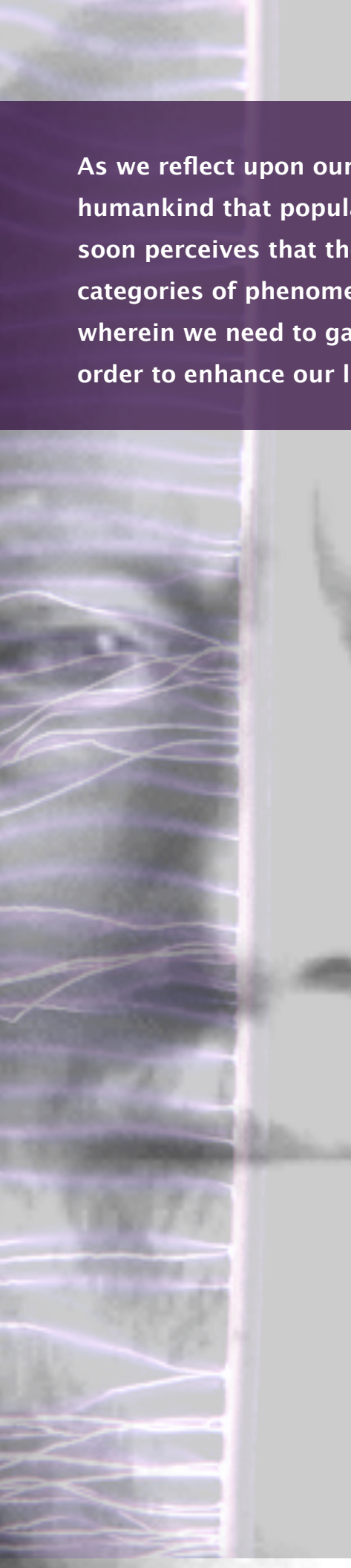
This author, William A. Tiller, Ph.D., tends to think of nature as radiating to all humanity on many different bands of information and energy. Over the past four hundred years, orthodox science has learned a great deal about one of these bands, the electromagnetic (EM) band, and almost nothing about any of the other bands. We are a slowly evolving species and we need to develop a science that encompasses all of these bands of informational radiations. To clearly discriminate such a future science from today's orthodox science, which has many, many EM parts, let us use a metaphor and call it “the ladder of understanding”. Today's orthodox science, as wonderful as it is, is all contained within the bottom rung of this Ladder of Understanding.



Jacob's Ladder by  
William Blake

BY WILLIAM A. TILLER, PH.D





As we reflect upon our world and upon the humankind that populates its surface, one soon perceives that there are several categories of phenomena and information wherein we need to gain understanding in order to enhance our life's journey.

- (1) all things of the physical
- (2) things of the psyche
- (3) things of the emotion
- (4) things of the mind
- (5) things of the spirit

In addition, we also need to eventually create a meaningful perspective or quantitative reference frame (RF) from which to view these different classes of phenomena and information. Ultimately, our understanding of all this information must be internally self-consistent relative to some overarching RF.

Since we are an evolving species, growing in understanding via a bootstrap process, we must build this ladder of understanding, step by step, by our individual and collective efforts and climb upon it, rung by rung, as we slowly evolve to higher states of beingness!

From an overly simplistic view, one might say that, for the past 400 years, orthodox science has dealt with multiple aspects of the metaphorical reaction equation

**MASS  $\rightleftharpoons$  ENERGY**

with each term being convertible to the other via Einstein's  $E=mc^2$  relationship. Here,  $m$ =mass,  $c$ =velocity of EM light through physical vacuum and  $E$ =energy.

Over this 400 year time period, orthodox science has also come to accept the existence of (1) the four fundamental forces of gravity, electromagnetism, the short range nuclear force and the long range nuclear force, (2) quantum mechanics (QM) with Planck's discrete energy changes rather than continuous steps in energy exchanges between different atomic energy levels and De Broglie's concept of simultaneous particle and wave behaviors for electric charge-based matter, plus (3) relativity theory's (RT) predictions that both mass,  $m$ , and energy,  $E$ , must increase to infinite values as velocity,  $v$ , changes from  $v \ll c$  to  $v = c$ , (4) today's orthodox science reference frame (RF) for studying nature is a distance-time-only RF and (5) the unstated assumption of orthodox science since the days of Descartes is that "no human qualities of consciousness, intention, emotion, mind or spirit can significantly influence a well-designed target experiment in physical reality". All of this great work has created the substantiality of the bottom-most rung

**SINCE THE DAYS OF DESCARTES IS THAT "NO HUMAN QUALITIES OF CONSCIOUSNESS, INTENTION, EMOTION, MIND OR SPIRIT CAN SIGNIFICANTLY INFLUENCE A WELL-DESIGNED TARGET EXPERIMENT IN PHYSICAL REALITY".**

in Figure 1. However, it is very important to recognize that orthodox science strives to find internal self-consistency with respect to all experimental data discovered in nature relative to its operational RF of distance-time. Anything else, if there is such, must be rejected. Unfortunately, for today's orthodox science, natural phenomena like consciousness, intention, emotion, mind, spirit, love, psychophysiology, parapsychology, etc, are real but are not distance-dependent functions. Thus QM and RT, in their present form, can say nothing meaningful about this class of phenomena. This fact signals the ultimate demise of today's orthodox science and orthodox medicine as absolute guiding principles in the future evolution of our species.

The key experimental step needed to confirm the operational nature of psychoenergetic science was to unequivocally prove, via a series of human intention experiments, that in today's world the unstated assumption of orthodox science is quite wrong!



# EXPANDING THE PICTURE FRAME

The title of this session requires that the natural qualities of consciousness, intention, emotion, mind, spirit, etc, somehow become operational factors in our future science and future medicine. In parallel with my former orthodox science studies at Stanford University, this author has worked towards this goal for the past 40 years. Both experimentally and theoretically. This work has culminated in clearly distinguishing what we have labeled psychoenergetic science from today's orthodox science. This is a science that includes human consciousness in the form of specific intentions as a significant experimental variable in the study of nature. Thus, it is a simple but profound expansion of both the parameters of today's orthodox science and (2) the larger reference frame needed for studying substantially more of nature's manifold expressions.

To significantly test the unstated assumption of today's orthodox science, **four well-designed target experiments were created and run to see if that assumption was viable in today's world.** The results are in and were robustly successful in proving that this

unstated assumption of orthodox science, since the days of Descartes, is in grievous error in today's world!

The four target experiments, that will ultimately change our present world view, are the intention experiments conducted by this author and his colleagues over the past 13 years.

**MASS ⇔ ENERGY ⇔ INFORMATION ⇔  
CONSCIOUSNESS.**



## THE FOUR TARGET EXPERIMENTS

[Click Here to See Experiments](#)

The key experimental step needed to confirm the operational nature of psychoenergetic science was to unequivocally prove, via a series of human intention experiments, that in today's world the unstated assumption of orthodox science is quite wrong!

Our various steps in the four groundbreaking experiments were (a) to carefully design four different intention experiments:

- (1) To increase the acid/alkaline balance(pH) of a specific type of water by  $\Delta\text{pH}=+1.0\text{pH}$  units (a factor of 10 decrease in hydrogen ion,  $\text{H}^+$ , content of the water) with no chemical additions to the system,
- (2) to decrease the pH of this same type of water by  $\Delta\text{pH}=-1.0\text{pH}$  units with no chemical additions to the system,
- (3) to increase the invitro thermodynamic activity of a specific liver enzyme, alkaline phosphatase (ALP), by a significant amount (~30% for example) by simply exposing a vial of this ALP in a aqueous solution a highly "intention-conditioned" experimental space for about 30 minutes and
- (4) to increase the in-vivo ratio of ATP/ADP in the cells of fruit-fly larvae by a significant amount as a result of lifetime exposure of the larvae to a highly "intention-conditioned" experimental space. This should cause the larvae to become more physically fit and thus significantly lower the larval development time,  $\tau$ , to the adult fly stage;
- (b) run continuous background studies of each experiment in a normal, non-intention-conditioned experimental space,
- (c) design and utilize four identical simple electrical devices(5 ), each to serve as a host for one of the four experiments,
- (d) design an experimental protocol for humans to mentally/emotionally imprint an intention into each such host device from a deep meditative state(5 ) and
- (e) place the appropriate device within ~0.5 meters of the operating experimental apparatus, plug the device into an electrical outlet, switch it on (total electric power radiated was less than one microwatt) to continuously run in that experimental space and wait for changes to manifest in the continuous data-stream.(f)

For all four experiments, the gathered data conformed to the general pattern of Figure 2(6). See next pages...

For more Research/White Papers go here... <http://www.tiller.org/>



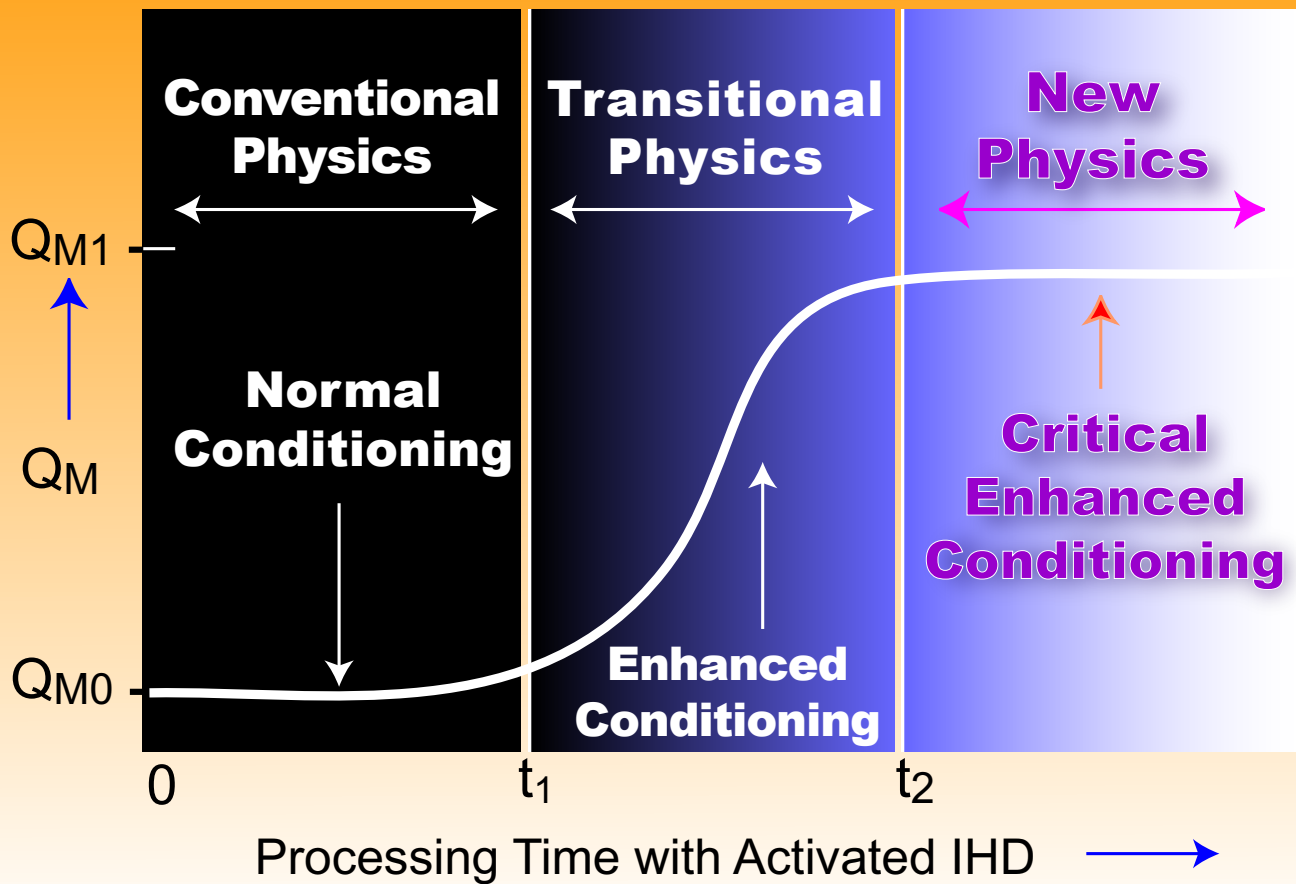
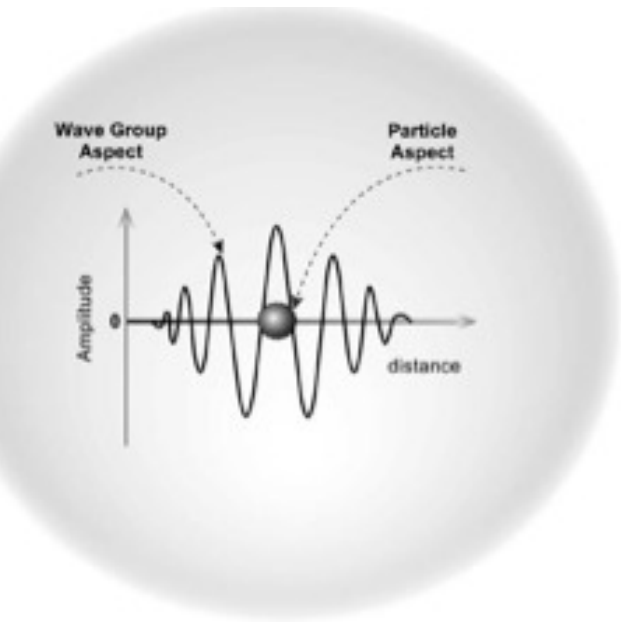


Figure 2. For any typical physical measurement,  $Q$ , the qualitative magnitude change,  $QM$ , is plotted versus the degree of locale conditioning produced by continued IHD use

Here,  $QM$  is the magnitude of the measured property under investigation as a function of experimental space processing time,  $t$ , via the intention-host device (IHD).  $QM_0$  is our background value for a normal space while  $QM_1$  is the measured value after the device had intention-conditioned the space to a significantly higher level of physical reality. Non-linear changes in  $QM$  begin to appear at  $t_1 \sim 1$  month(6), and always in the direction of the specific intention in the IHD, while it begins to plateau at  $t_2 \sim 2$  to 3 months. Generally,  $QM_1 \sim QM_0 +$  the intention imprint target goal. Experimentally, we found that for target experiment #1,  $\Delta pH = QM_1 - QM_0 \sim +1.0$  pH units; #2,  $\Delta pH \sim -1.0$  pH units; #3,  $\Delta$  chemical activity  $\sim 30\%$  with  $p < 0.001$  and #4,  $\Delta(ATP/ADP) \sim +15\%$  with  $p < 0.001$  and  $\Delta\tau \sim -25\%$  with  $p < 0.001$ (4).

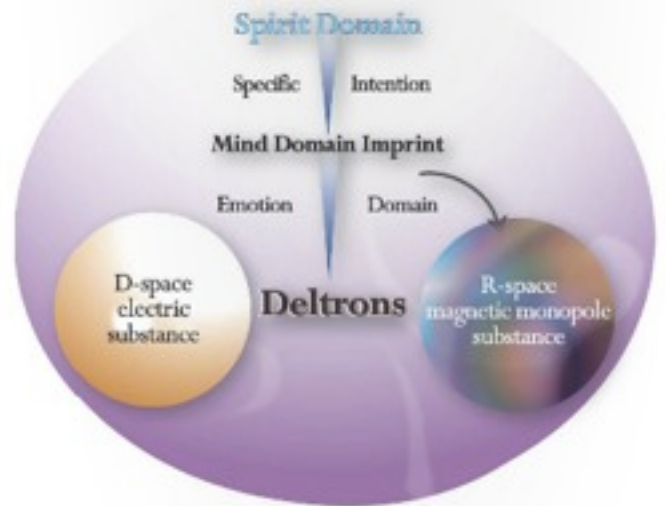
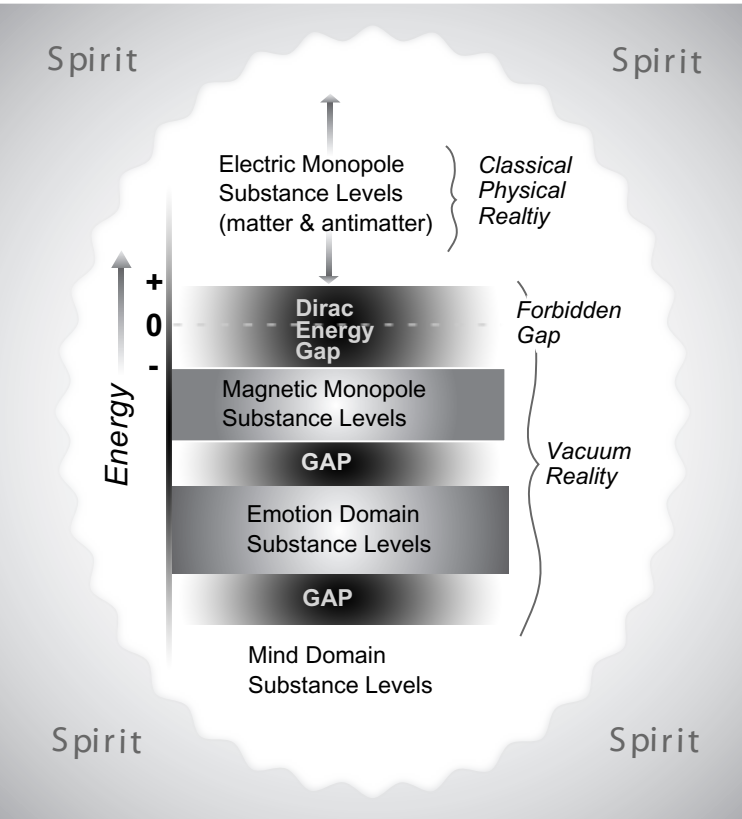
## A DC MAGNETIC FIELD EFFECT:

It seems reasonable to hypothesize that the experimental presence of a DC magnetic field effect in any space, even in the human body, can be taken as evidence for the existence and presence of this higher EM gauge symmetry SU(2) state rather than our normal U(1) state in nature. I and my colleagues tested this hypothesis on the human body via the use of simple bar magnets and advanced kinesiological techniques(9,10). We found that the south-pole placed within  $\sim 1$  cm of an active body point significantly strengthened the arm while the north-pole significantly weakened it. Our ultimate conclusion was that the acupuncture meridian system in humans was already at the SU(2) level. Further, from this result, we deduced that human intention, conscious or unconscious, directed at their own acupuncture meridian system, could significantly alter the flow of “chi” or “Qi” (the magnetoelectric spectrum of body energies) which, in turn, modifies the flow of electromagnetic energies in our U(1) gauge symmetry state body and thus our own behaviors and capabilities.



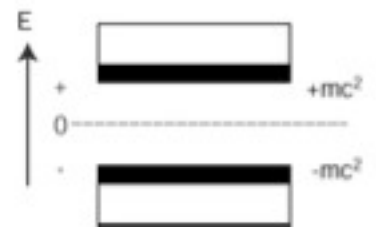
**SIGNIFICANT MEASUREMENT OSCILLATIONS:** The second very anomalous behavior to appear in the experimental data was the development of quite low frequency oscillations in the **water** pH- measurements, **water** electrical conductivity, **water** temperature and air temperature (pH,  $\sigma$ , TW and TA) in an IHD-conditioned room(11). The frequency of these waveform oscillations were always in the 10<sup>-1</sup> to 10<sup>-5</sup> Hertz range, far lower than any human electrophysiology measurements like EKG, EEG, etc, (although the Baroreflex frequency where the heart interacts to entrain the brain is at 0.14 Hertz). In addition, the fundamental frequency and all the higher harmonics in the periodic oscillations all nest with each other, i.e., all are identical for pH, TW and TA, **no matter where in the room they are measured ( $\sigma$  not tested) as if something very fundamental in nature is driving the whole room in a coherent-like fashion.**



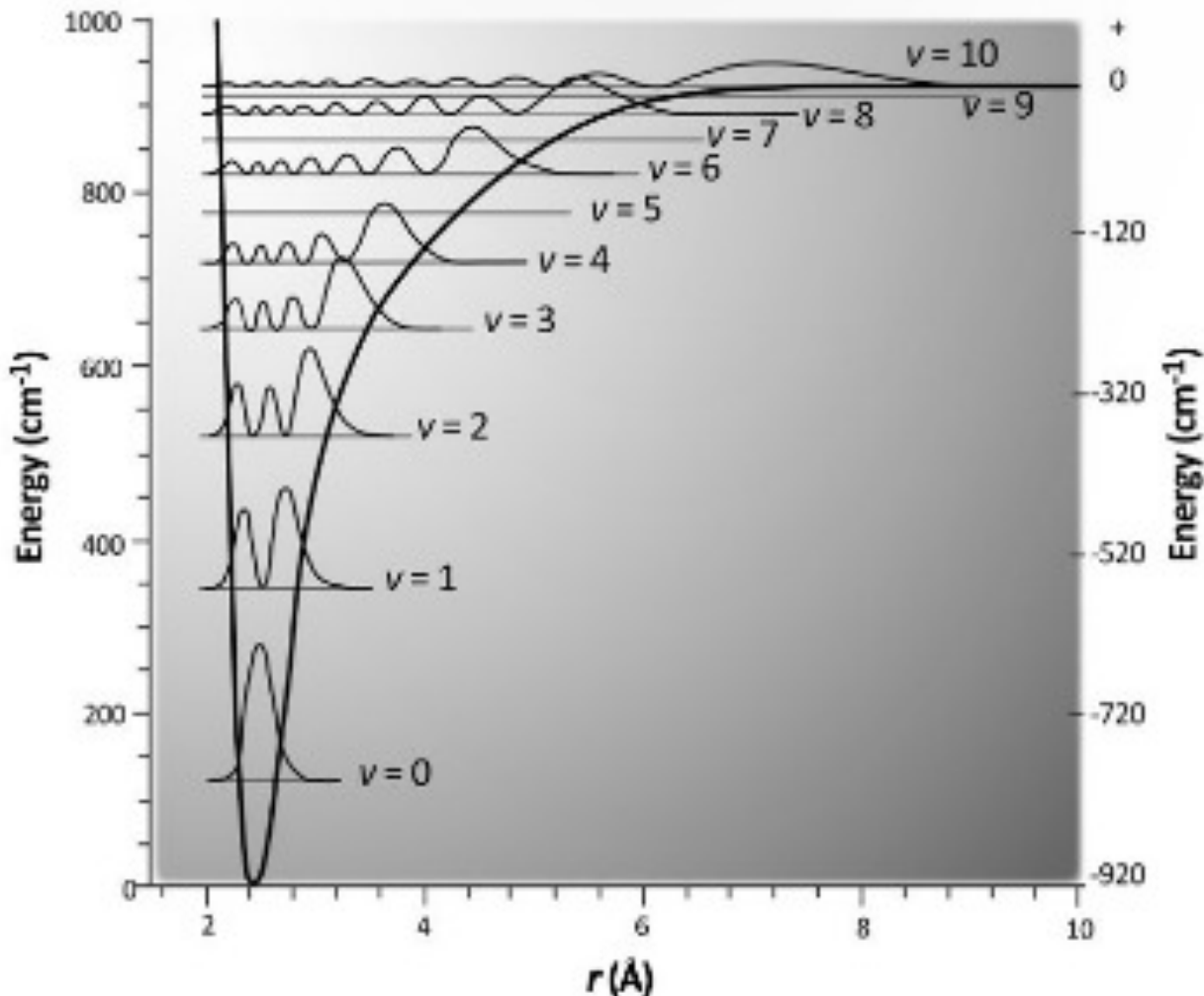


Human consciousness, and specifically human intention, appears to be able to activate this deltron population, and thereby modulate this electric/magnetic monopole substance coupling, so as to alter the specifics of the EM state of the space wherein an object rests, and thus the experimentally measurable properties of that object.

An energy level diagram embracing both classical physical substances and "unseen" vacuum substances.



Potential energy for the  $Be_2$  dimer as a function of Be atom separation distance,  $r$ , plus the first ten bound vibrational levels.

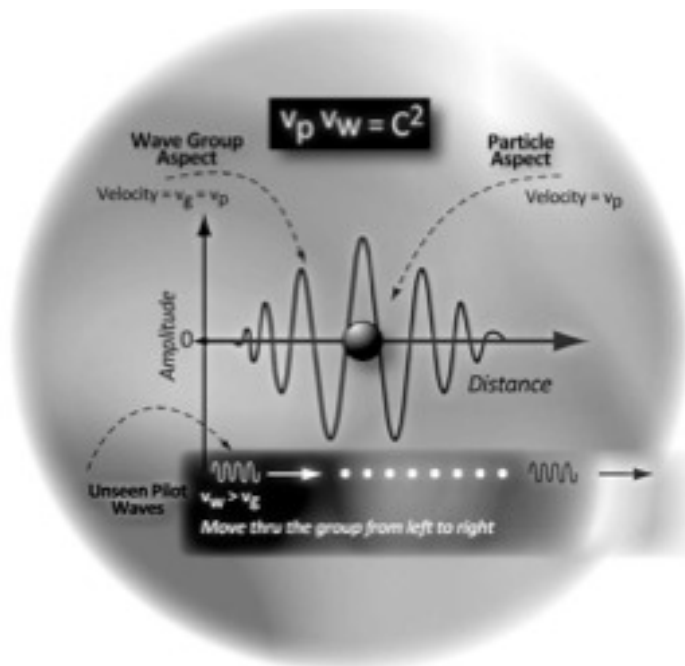


Schematic energy spectrum associated with the Dirac analysis. A band of forbidden energies exists between  $E = \pm mc^2$  for particle-antiparticle creation of mass  $2m$ .

## A BIT OF THEORY

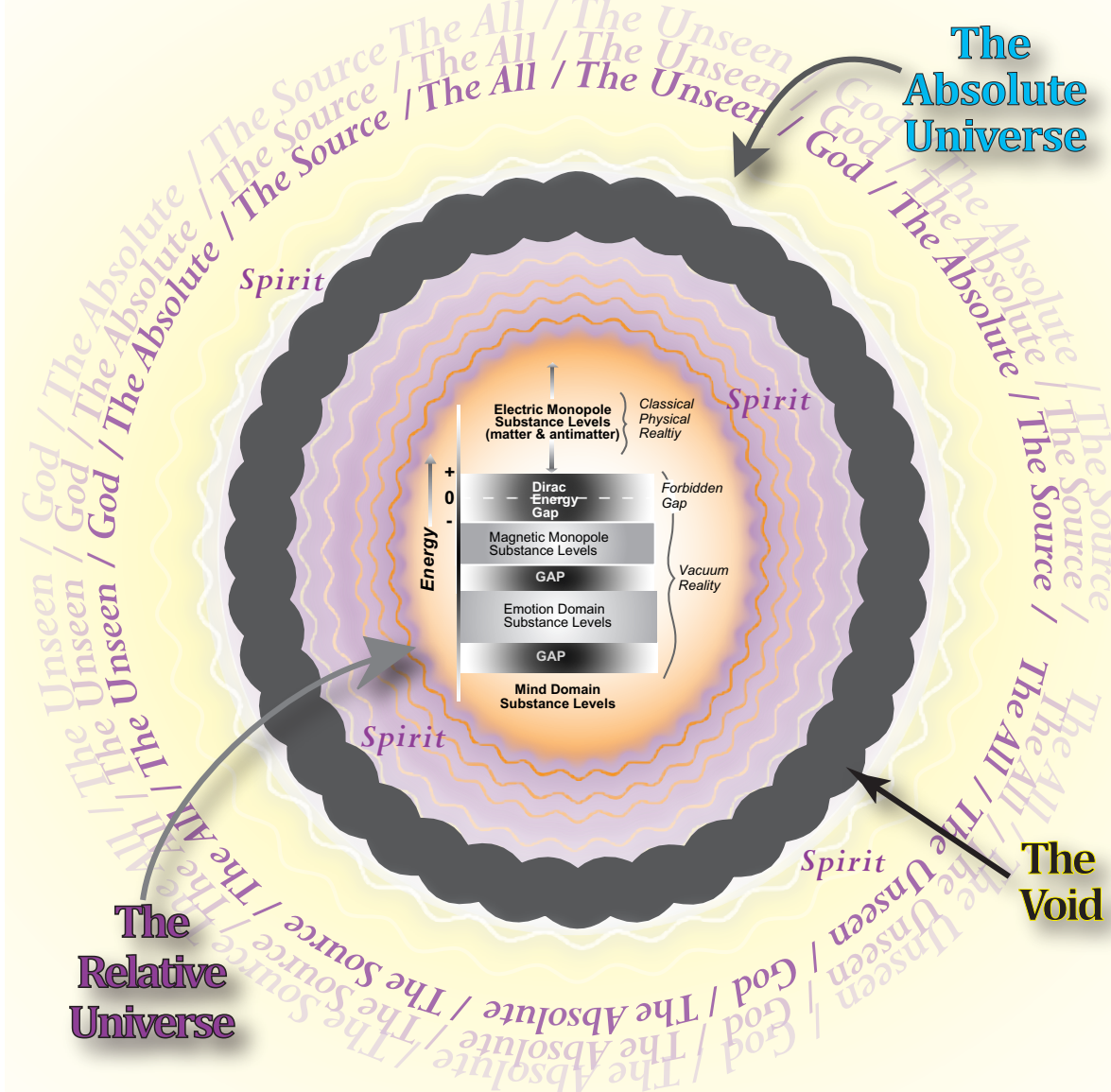
In the 1890's, Planck showed us that energy exchanges between electric-charge-based atoms and molecules occurred in discrete-sized rather than continuous-sized steps. In the early 1920's de Broglie proposed to us that a quantitative particle/pilot wave concept had theoretical validity and, less than a decade later, this concept was also found to have experimental<sup>(15)</sup> validity. **Schrödinger's wave equation, a second-order distance-time differential equation containing a distance-time potential function, yielded a mathematical solution for particle wave functions. Thus, the key corner stones for today's quantum mechanics (QM) had been laid.** Much more recently, Harrison has shown us that the simultaneous coexistence of particle and waves in distance-time allows one to ultimately calculate all the equations of today's QM. Thus, today's QM is very well suited as an analytical tool for that class of natural phenomena that are distance-time-dependent. However, it is not well suited for serious investigation of those classes of natural phenomena that are not distance-time-dependent. Natural phenomena like consciousness, intention, emotion, mind, spirit, etc., do not appear to be distance-time-dependent phenomena; thus, our reference frame (RF) for viewing nature's manifold expressions must be expanded appreciably if one wishes to fully understand mind-body phenomena.

As our next step, I wish to elucidate some quantitative understanding of the de Broglie particle/pilot wave concept. However, before doing so it is important for the reader to realize that the waves in nature that are cognitively accessed by humans are not the continuous waves described in textbooks. Rather, they are merely modulations of particle densities (water waves, sound waves) and particle flux densities (light waves).

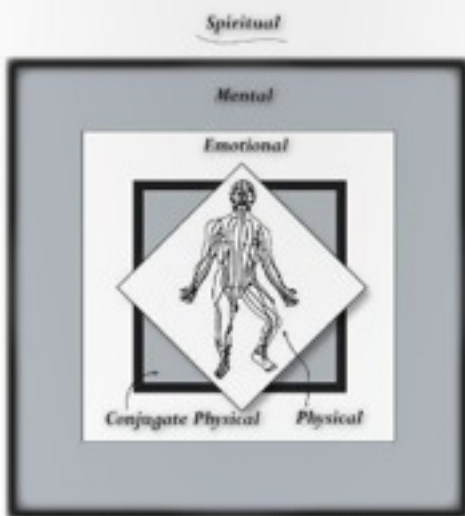


**This is an extremely important theoretical finding but it appears to violate distance-time relativity theory since we have a faster than  $c$  pilot wave interacting with a slower than  $c$  group wave,  $v_g$ , interacting with an electric particle moving at the same velocity,  $v_p$ .**

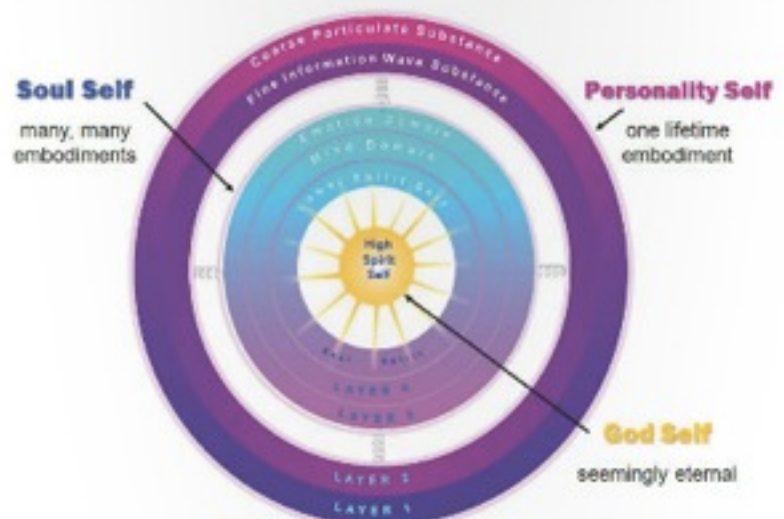




An energy level diagram embracing both the relative universe with expansion into the absolute universe lovingly guided by "the all".



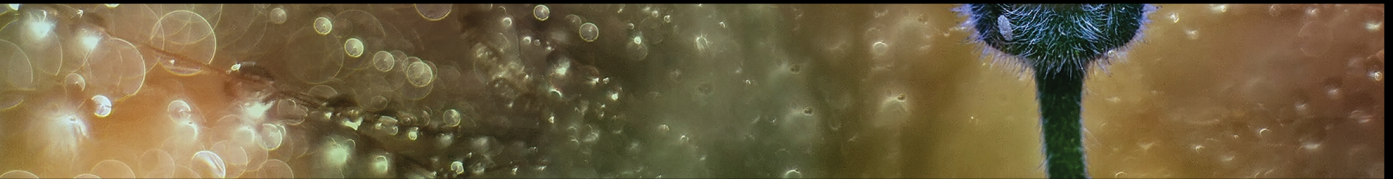
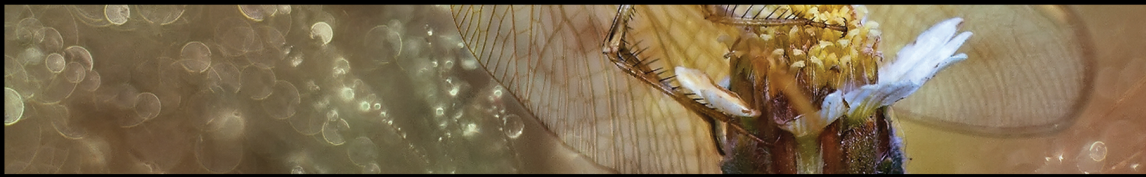
A structural representation of our RF with the duplex space in the center. If one counts the entire duplex space as a 4-space, then the entire multidimensional representation is a 7-space. If instead, we count the duplex space as a unique member of the general 8-space, then our RF is eleven-dimensional.



An energy level diagram embracing both classical physical substances and "unseen" vacuum substances.

<http://www.tiller.org/>

BY WILLIAM A. TILLER, PH.D



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# Coupling

## LEARNING HOW TO PUMP “THE SUBTLE ENERGY”

In my case, I found that by sitting quietly (often watching a television program), and placing my hands in full contact, palm to palm, while resting the hands in my lap, I subjectively felt some type of weak energy current flow up my left arm and down my right arm. It seemed to cross the trunk of my body from left to right. The longer I did this, the stronger the flow of this current seemed to be. It was almost as if the flow of this subtle current reduced the resistance to this flow which, in turn, increased the magnitude of this current flow. Separating the palms seemed to reduce the magnitude of the current flow. I speculated on an explanation for this phenomenon and eventually hypothesized that the minor chakras at the center of each palm were intimately involved in this subtle energy flow process. For me, this subtle energy appeared to flow out of the right palm chakra into the air to become part of my biofield and from my general biofield into the left palm chakra up the left arm, across the trunk of my body and down the right arm, etc. From my

experimental work with dowzers, particularly WC, a second major body circuit was in-flow via the minor chakra in the center of the sole of the left foot, flow up the left leg and across the groin followed by flow down the right leg and out the minor chakra at the sole-center of the right foot. The third discrete energy circuit of the body appeared to be in-flow from the biofield through the left eye and out-flow through the right eye to the general biofield.

Presuming that the impedance to this subtle energy flow is appreciably larger for travel through the air than for travel through the epidermis and dermis, **placing the two palms in intimate contact should enhance the magnitude of this flow** through the arm/trunk circuit. Likewise, placing the soles of the feet together should also be therapeutic. In any event, I performed the **PALM-TO-PALM** exercise for about 30 to 60 minutes a day for about a month and subjectively noticed an appreciable increase in subtle energy flows within my body plus an enhanced body vitality. I felt that I was now ready to perform a few “healing” experiments on myself.

BY WILLIAM A. TILLER, PH.D

The Great Importance of Human Intention and the Coupled State of Physical Reality

D.C. magnetic field polarity effect is present in humans indicating that some human body system is at the coupled state of physical reality!

In the 1970's, I did a variety of energy field experiments with a well-known dowser, WC, and came to recognize a seeming-correlation between our three proposed **MAIN ENERGY CIRCUITS** in the body and the

Eeman's Relaxation Circuit of the 1920's(3a).

BY WILLIAM A. TILLER, PH.D

<http://www.tiller.org/>

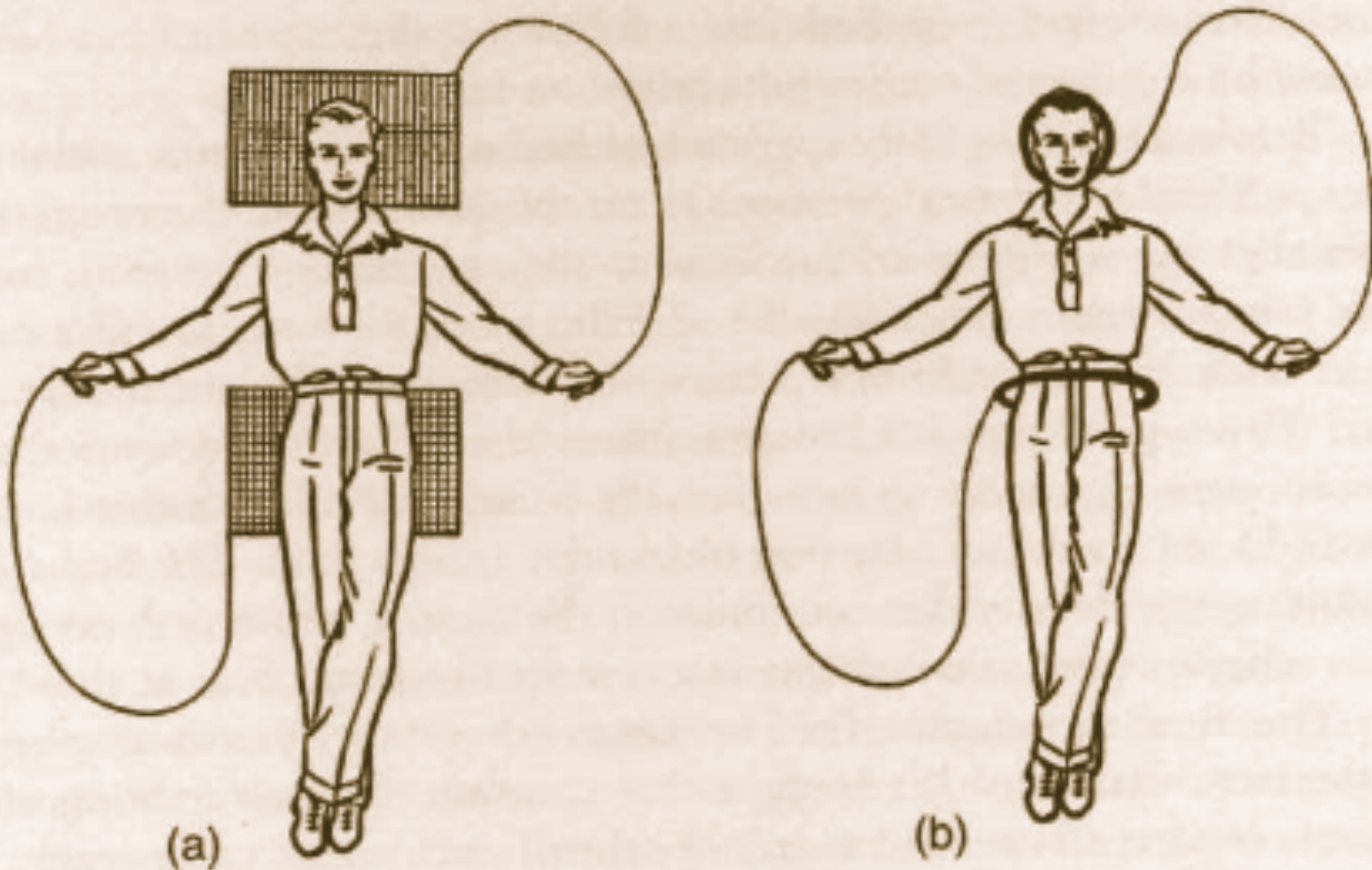


Figure 1. (a) Illustration of the Eeman's Relaxation Circuit and (b) Tiller's modification of Eeman's design.

The back of the head (base of the brain) and the left hand appeared to be of one subtle energy polarity while the base of the spine and the right hand appeared to be of the opposite subtle energy polarity. Under ideal conditions, the individual subject is aligned along the magnetic flux lines of the earth with their head to the north and their feet to the south (with ankles crossed left over right). If he/she is energy right-handed and connected in this way, they will just deeply relax in this particular circuit and this brings about both balancing of the energies in his/her body plus an influx of new energy into their system (at least that has been my personal experience).





Observations  
COSMIC VOYAGER  
Direct Experiences

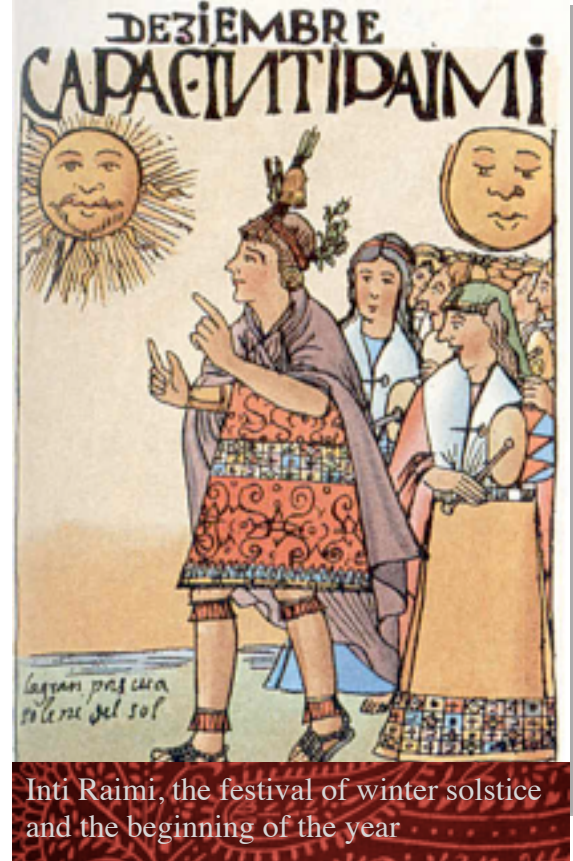
"MAY THE CREATOR (SARVESHWARA) PROTECT US TOGETHER.  
MAY THE CREATOR NOURISH US TOGETHER.  
MAY WE WORK TOGETHER UNITING OUR STRENGTH FOR THE  
GOOD OF HUMANITY.  
MAY OUR LEARNING BE LUMINOUS AND PURPOSEFUL.  
MAY WE NEVER HATE ONE ANOTHER. MAY THERE BE PEACE,  
PEACE AND PERFECT PEACE."  
OM TAITTIRIYA UPANISAD

BY KRISHNA MADAPPA

## BY KRISHNA MADAPPA

As the dawn of the Mayan calendar unfurled in the prophesies of the transformations to the field effects of planetary, human and cosmos which was to be in magnitude from 12/12/2012 to the windows of the winter solstice from 12/20 to 12/22/2012, the explorer within was eager to record data towards these cosmic alignments and occurrences.

No sooner as this intention was seeded, I receive an informed protocol from my Dear colleague and visionary physicist and cosmic explorer Dr.Konstantin Korotkov, with directed guidelines to conducting this scientific – spiritual – cosmic data gathering sequences globally.

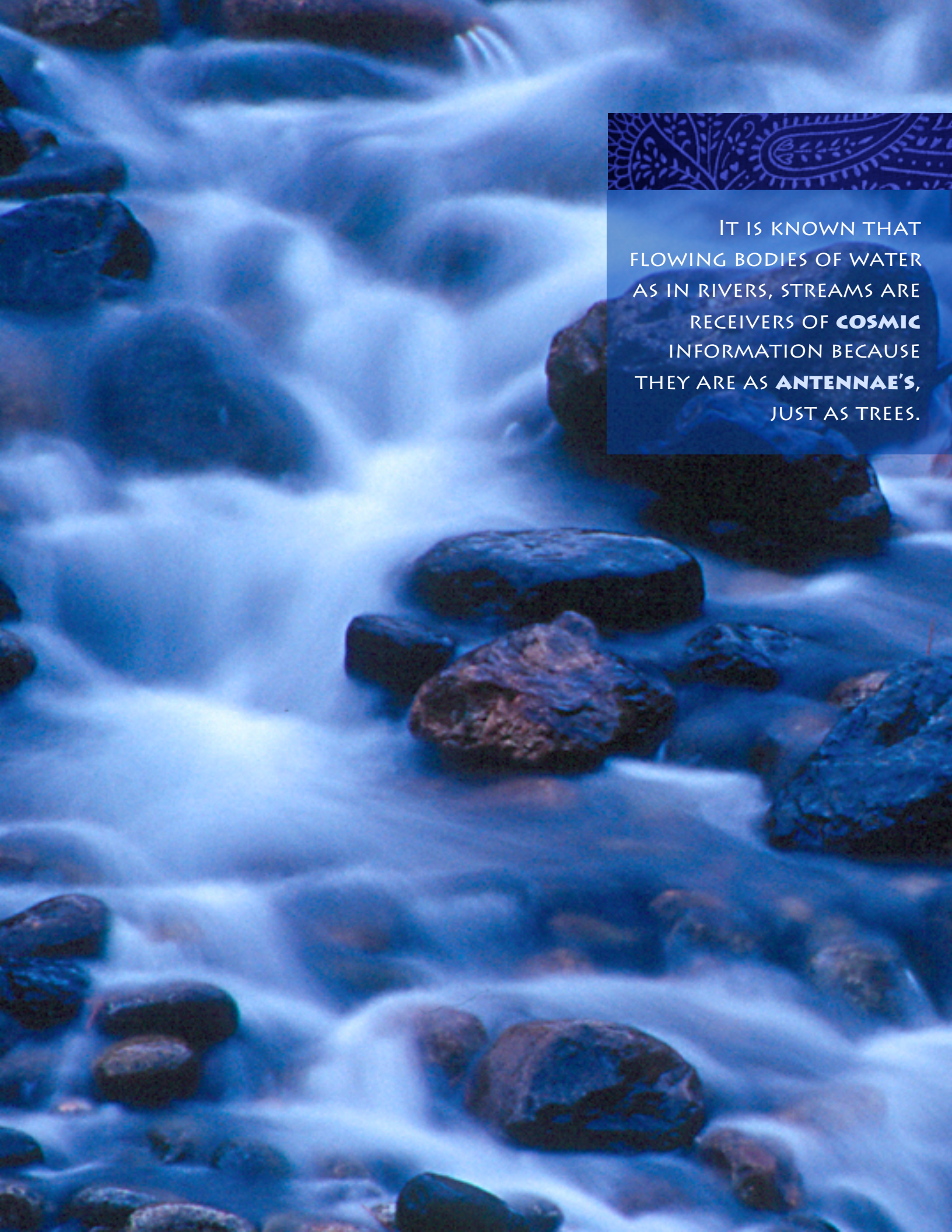


This is historic in proportion for us scientific – spiritual explorers, as also noted in the Vedic calendar, the reference of this Mayan phase transition is also conveyed as the transition from Kali Yuga to Satya Yuga (Age of dualism to age of Light).

**Joy was unbounded as preparations for data gathering began with Human Energy Field studies to Water studies and environmental /consciousness studies. The instruments of measurement for the following are the inventions of Dr.Konstantin Korotkov and data on them can be obtained in ([www.gdvusa.org](http://www.gdvusa.org)).**



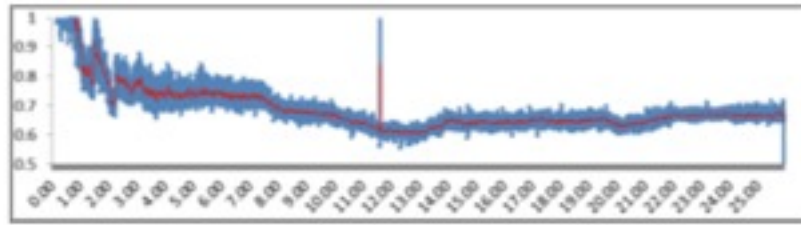




IT IS KNOWN THAT  
FLOWING BODIES OF WATER  
AS IN RIVERS, STREAMS ARE  
RECEIVERS OF **COSMIC**  
INFORMATION BECAUSE  
THEY ARE AS **ANTENNAE'S**,  
JUST AS TREES.

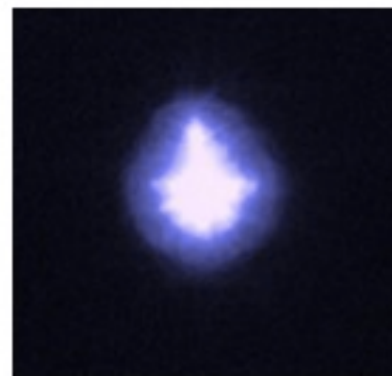


After these data sets were obtained from 12/20 to 12/22/2012 our analysis conveyed very affirmative signatures. The Human participants were aware and awake of their strengthened interconnectedness to one's cosmic nature; water responded in displaying heightened creative interconnectedness, environment/consciousness data reflected significant entropy decrease as referenced in the chart below.



Also, it is important to note that during these periods from 12/20 to 12/22 there were prayers globally initiating a preparedness to receiving these cosmic wavelengths. The 2 pictures below represent the waters response to our global/cosmic prayer initiative.

The waters gathered was from a flowing stream. It is known that flowing bodies of water as in rivers, streams are receivers of cosmic information because they are as antennae's , just as trees.



The two images represent the bio-photon imprints of the water from 12/20 and 12/22.





As Dr. Konstantin Korotkov and I were analyzing all our collective data from our global Mayan cycle study, I receive an e-mail from a research colleague Dr. Judu Ji at SVYASA University

([www.svyasa.org](http://www.svyasa.org)) in Bengaluru, Bharat inviting my participation to a fire ceremony dedicated towards world peace and wellness (Bhaishajya Mahayagam).

My HEART soared with JOY connecting the timing of the Mayan cycle and to a Mahayagam. The opening line to the event which was initiated by the “Shakthiveda Wellness Mission” in Bengaluru, guided by the chief Yajnacharyan Rishidev Narendran Ji conveyed these words:- “Lokaa Samasthaa Sukhino Bhavantu” (Peace within man, Peace

in every home, Peace on planet earth and whole wellness of ALL beings.)

These words are also the core of the vision and mission of our Institute ([www.issstaos.org](http://www.issstaos.org)), dedicated to Science, Spirituality and Sustainability.


The decision to participate was unanimously powered by the HEART and duly supported by my Dearest partner Paula.

Such Mahayagyams are known to have existed during the time of the Maharshis and Brahmarshis thousands of years ago in the Himalayas which went on for days and were frequent in their Yagam cycles.

During such Mahayagams in Bharat, (India) Kings, Rajas, Administrators, Commanders, beings of prominence, community leaders and all village folks attended to be blessed and to be empowered to lead eliciting the culture of peace, harmony, happiness, prosperity, vital health, wealth and wellbeing for ALL.







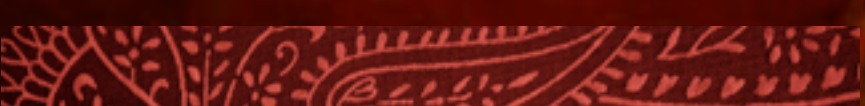
IT IS KNOWN FROM THE DEPTHS OF VEDIC WISDOM SCIENCE THAT SUCH MAHAYAGAMS TAP INTO THE COSMIC ENERGY FIELDS TO MANIFEST WELLNESS IN LEVELS AS:

1. **Material level**
2. **Psycho –Physical level**
3. **Spiritual level**
4. **Educational level**
5. **Family and Social level**
6. **Planetary level**
7. **Ecological level**
8. **Governance level**
9. **Global level**

In the words of the founder Rishidev Narendran Ji, divining the cosmic web of truth “Bhaishajya Mahayagam, being the ultimate collaborative activity, will assist in cleansing the contaminated nodes in the Web of Truth. This in turn assists the entire creation to connect back to the cosmic powers which help and coordinate in all the functions of the universe.

**THE WHOLE OF COSMOS IS REPRESENTED BY THE WEB OF TRUTH.**

THIS WEB HAS NUMEROUS NODES AND EACH NODE IS CONNECTED WITH ALL THE OTHERS. SIMILARLY, EVERY HUMAN BEING, EVERY LIVING CREATURE IS ALSO A NODE ON THIS WEB. THE COSMIC POWERS ARE SPECIAL NODES IN THIS WEB. THE WHOLE WEB IS ESTABLISHED, ENERGIZED AND PERVADED BY THE SUPREME CREATOR SARVESWARA.”





Terms as the unified field , quantum entanglement address these observations which are in their own way seeking to unify the diversified fluctuations which prevail in the “COSMIC WEB OF TRUTH”.

OM These quantum constructs are known in Vedic Spiritual Science that point us to “THE POWER of INTENTION.”, which we address today as the POWER of the 5th FORCE.

So, after co-ordinating with our SVYASA research team and the Shaktiveda Research group spearheaded by Satyan Ji, I prepare to not only be a spiritual science researcher but also an open domain cosmic explorer to this global – cosmic Mahayagam.

In the event narratives to follow, which can encompass volumes, I shall seek to convey the essence observed and revealed in pictures and data sets as a researcher and as a cosmic voyager dedicated to living in the “Cosmic Web of Truth.”

Jan 22 – Day prior to the inaugural ceremony. From left to right is the author, Krishna Madappa, Chancellor of SVYASA Guruji Dr.Nagendra, Rishidev Narendran Ji.

Jan 22 is when I arrived to SVYASA from Taos, and had an in-depth meeting exploring the scientific and spiritual realms of data gathering in delight filled and prayerful moments with Rishidev Narendran Ji at the location where the yagam was to be initiated.

Posters conveying the yagam were prominent all around.

The yagam venue was a 10 min walk from SVYASA campus via fields of rice and eucalyptus groves. OMJan 23 – Evening fire puja and inauguration to the Bhaishajya Mahayagam.

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From left to right is the author, Krishna Madappa, Chancellor of SVYASA Guruji Dr.Nagendra, Rishidev Narendran Ji.





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The yagam venue was a 10 min walk from SVYASA campus via fields of rice and eucalyptus groves. OM



This sacred fire or “AGNI DEVAN” was carried from another yagam ceremony which was in conducted May of 2012 called “Viswashanthi Mahayagam “ by Rishidev Narendran Ji.







Jan 24, 0600 hrs to Jan 27, 1500 Hrs.



Matha Dr.Sripriya Ma, representing **MA SARVESHWARI (THE DIVINE FEMININE) BLESSING** the fire offering at the inaugral as Rishidev Narendran Ji guides.

The Shaktiveda Bhaishajya Mahayagam ( The Grand Herbal Sacrifice Fire) was initiated at 0600 Hrs on Jan 24 and was continuous for the next 81 hrs till Jan 27 at 1500 Hrs.

The core of the Mahayagam was for the pursuit of Global Peace, Environmental Protection, Security and Wellbeing of ALL creation in this Galaxy.

Details and specifications of the Kunda (fire pit) , directional layout and all the offerings with Vedic mantras are designed around the number 9.



Jan 23 – Evening fire puja and inauguration to the Bhaishajya Mahayagam



## THE SPECIFICATIONS NOTED ARE AS FOLLOWS:

1. Total yagam time – 81 hrs, in 3 cycles of 27 hrs each.
2. 81 focal issues encompassing countries in Asia, Africa, Europe, North America, South America.
3. Special focus on Karnataka, Kerala, Tamilnadu, Andhra Pradesh and the other states of Bharat.
4. 216 herbs specific and pertinent to the 81 focal issues. In alphabetic order is outlined a sampling of issues that plague human society in this Kali Yuga age ranging from Alcoholism, Anger, Atrocities on women, Arms race, Abandoning Children, Cancer, Corruption, Child Abuse, Discrimination against women, Ecological Imbalances, Enmity between people, Environmental pollution, Gluttony, Global Economic Imbalance, Hunger, Injustice to women, Misuse of Science and

Technology, Evils of Media Syndicate, Political and Economic Corruptions, Racism and Casteism, Religious Intolerance and Religious Fanaticism, Spiritual Illiteracy, Terrorism: local/state/ international, Water Pollution, Waging War against People.

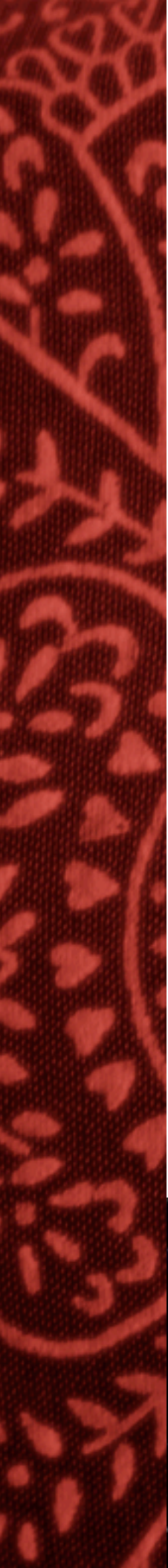
5. 81 appropriate mantras
6. 9 types of oil offered to “AGNIDEVAN”
7. 3 types of Homa Wood.
8. The Yagam pit dimensions was 27’ x 18’ x 3’ deep.
9. The yagam pit was facing north to South.

It was important to note that there was no animal product that was offered ie: Butter or ghee.

On the pictures to follow I shall provide the details that was observed , including some preliminary data from our scientific research and my cosmic-personal depths of observation.







Offerings of the Homa wood, medicated oil in the presence of mantras were offered continuously and every hour on the hour a specific focal issue was prayed for with their respective herbal offerings.

Our research team was provided with a dedicated space on the South face of the Yagam Kunda.

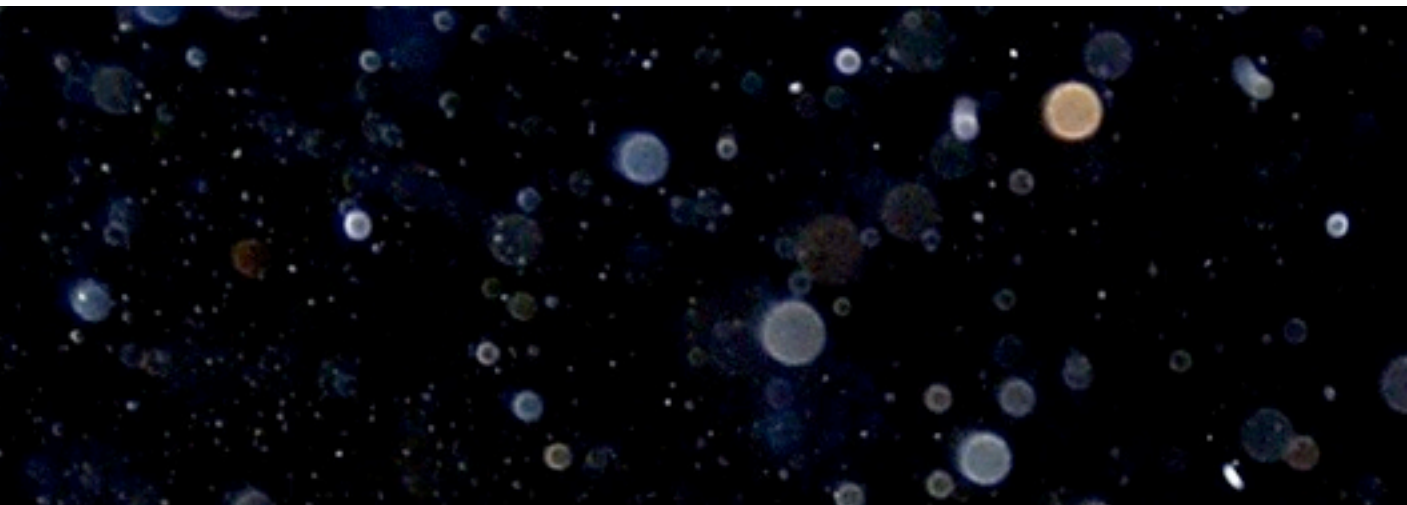
The instruments in operation were predominantly from my Dear Colleague Dr.Konstantin Korotkov's lab . They were provided by SVYASA'S research staff which included Dr's Sushruta Bhayya and Judu Ji and ISSS, Taos, NM, USA.

1. (2)-EPI/GDV Pro's for measuring Human Energy Fields, Water, Soil and Plants.
2. Mini Laboratory that has the testing modules for water, soil, plants.
3. GDV Eco Tester w Sputnik for continuous measurement of the Yagam Space.

The other measuring devices in operation were 2 RNG's (Random Number Generators) to record consciousness effects during the Yagam period. We also had the Karnataka Pollution Control Board to conduct a pre and post Yagam assessment of the air space around the Yagam site.

## OTHER INSTRUMENTS THAT WERE ALSO IN USE BY THE SHAKTIVEDA TEAM WERE:

1. Universal Scanner that measures coherent and incoherent energies.
2. Letcher Instrument that measures Telluric fields.
3. (4) Infra red cameras were continuously in operation monitoring activity of ORBS.





Pictures of our research tables with the scientific instruments.



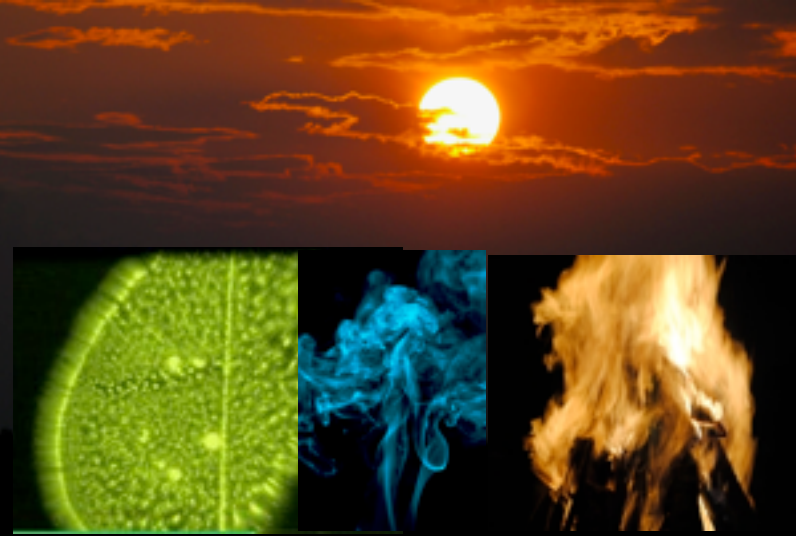
During the course of the (3) 27 hour cycles, we gathered data from over 40 participants which included all the Brahman priests who were in cyclical shifts in Vedic chanting, studying waters response in each cycle, plant (leaf) response to mantras, soil response from ALL the 8 coordinates.

Our research team were literally on staff round the clock and had to make certain to

clean our workspace from ash and also make sure our instruments were functioning properly. There were periods only during the day when the smoke and ash from the Yagam Kunda was high and special precautions had to be taken.

What was very interesting was how Rishidev Ji was particular in deflecting the smoke away from the research station.





The scale and proportion of our observations during the day and night cycles I shall save for another time as there were events that conventional linear science has no way to describe these cosmological occurrences and how Rishidev Ji's Aware – Awake state could discern and with compassionate gentleness direct the necessary course of protocol.

For moments I felt the power of the Mahabharata being played in the zone of Kurukshetra.

Rishidev's cosmic form was subtly illustrated during his visits to the research station to play with the **GDV INVITING VARIOUS ENERGY STATES LIKE THE PANCHA MAHA BHUTASAS (5 ELEMENTS)** while Matha Dr.Sripriya

Ma utilizing the universal scanner was detecting energy presences as I was gathering data and instantly analyzing them and conveying the observations.

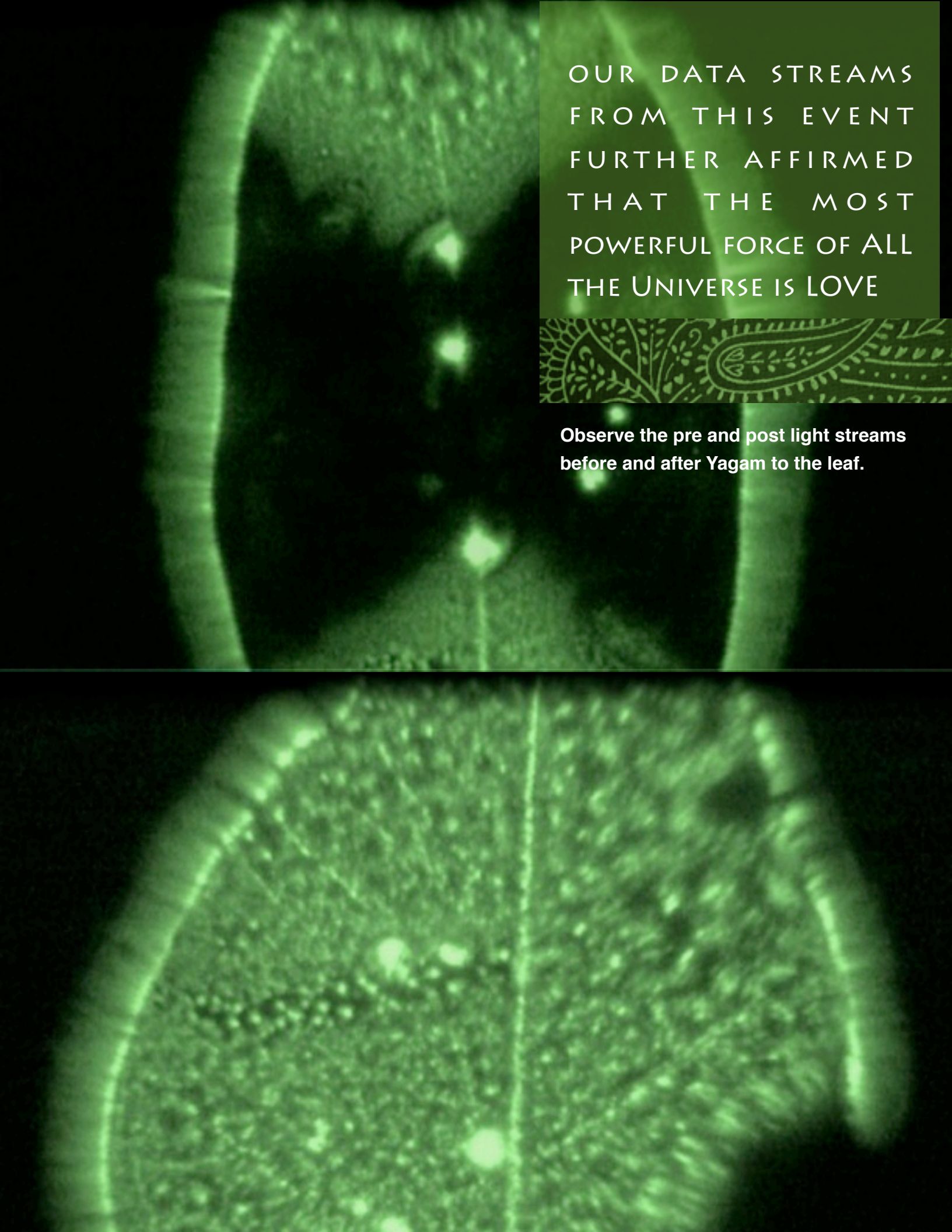
The findings and descriptions of these moments belong in another chapter with collaboration from the Shaktiveda Research team.

The professional nature of the entire Shaktiveda staff comprising of Sathyan Ji, Boss Ji, Rajiv Ji, Rajasekar Ji plus those whose names are unnamed, the youth from 5 to 20 yrs and the noble ladies whose attention to detail from the Yagam preparation to the feeding of hundreds of souls daily was seamless and conveyed with joy, reflected the nature and recognition to their SOUL purpose.


Knowing from ALL our research explorations of the power of intention and the response of nature to the power of LOVE, our data streams from this event further affirmed that the most powerful force of ALL the Universe is LOVE.

Observing how Human Energy Fields were strengthened and chakras were powered up to waters response by lowering entropy over 35% to soil's response in the depth of Vedic wisdom's translations, to plants bio-photon rhythms being infused with high Prana and my personal experience of a LIVING LIGHT BODY (no pun intended), affirms the Wisdom of the Vedic Seers, that the Universe is governed in Order and Elegance.





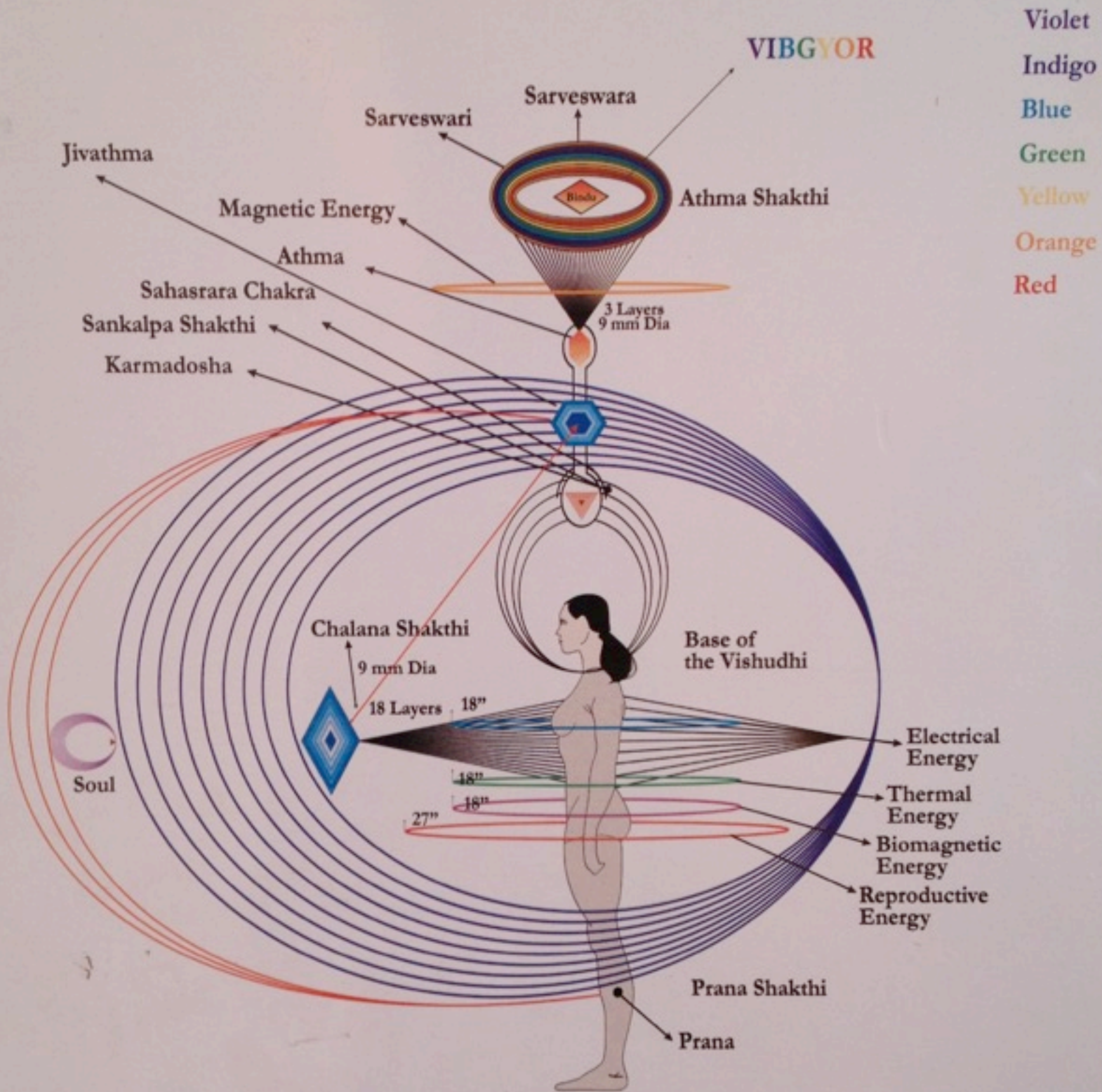
OUR DATA STREAMS  
FROM THIS EVENT  
FURTHER AFFIRMED  
THAT THE MOST  
POWERFUL FORCE OF ALL  
THE UNIVERSE IS LOVE



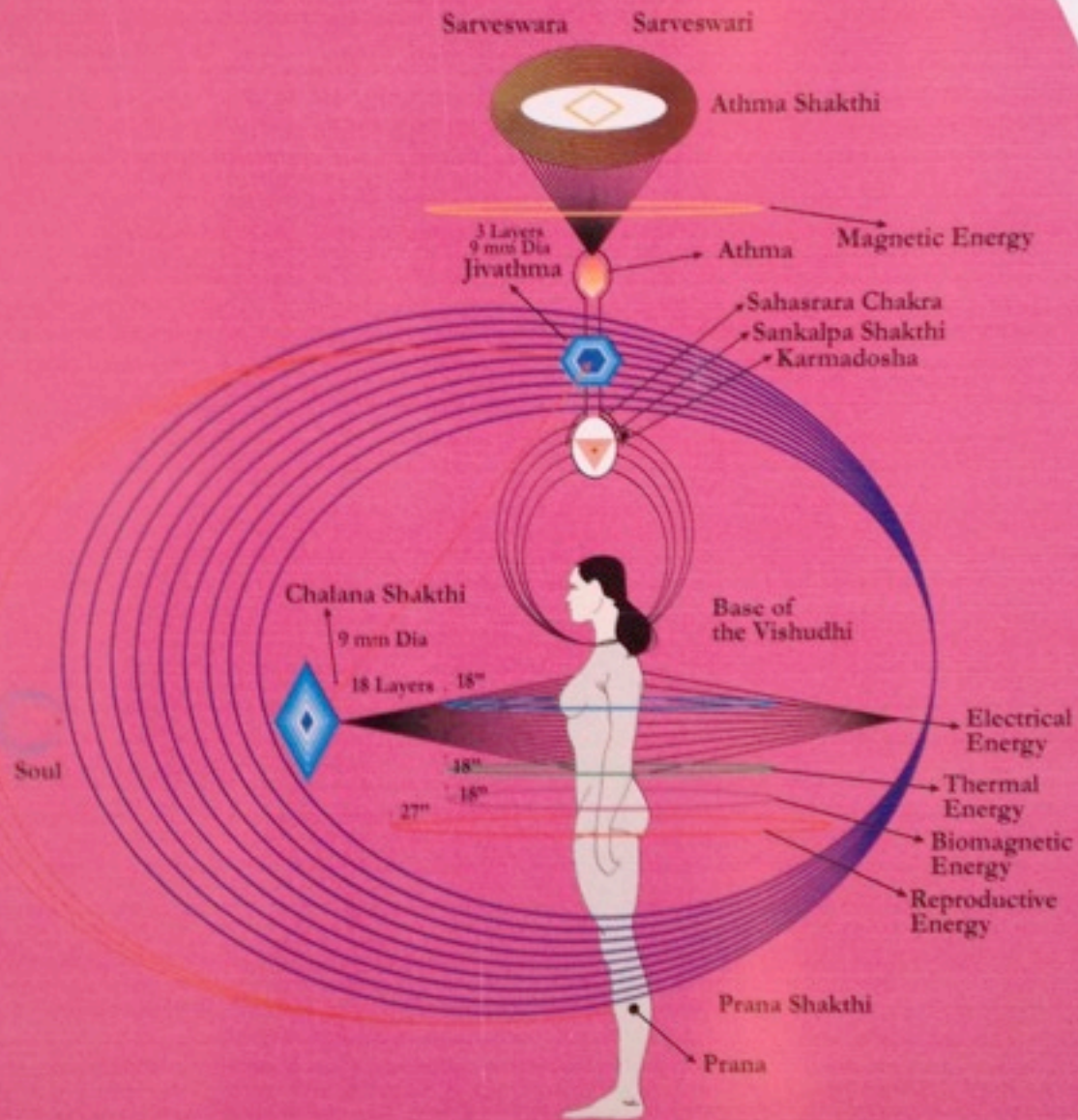
Observe the pre and post light streams  
before and after Yagam to the leaf.



# ANATOMY OF ENERGY BODY







The following pictures are the Divinations through Rishidev Narendran Ji as the alchemy for the new Human in Satya Yuga.





## AS A CLOSING TO THE COSMIC RESEARCHER'S

voyage, I can affirmatively conclude that true Spirituality is the study about the Supreme Creator and Science ought to be directed to the study about HIS creation.

The picture below is the Brilliant Research team from SVYASA + ISSS with Rishidev Narendran Ji



# COSMIC VOYAGER

BY KRISHNA MADAPPA



# Mind-Kind



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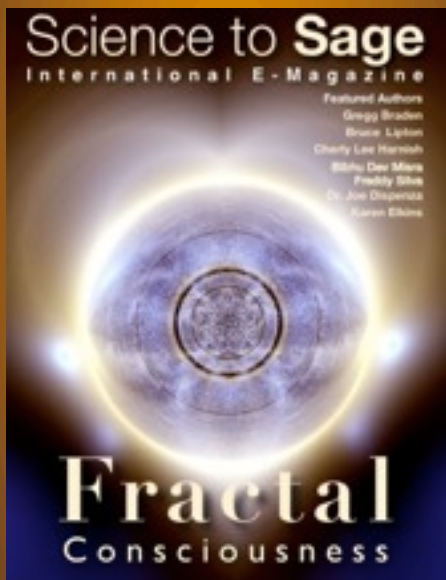


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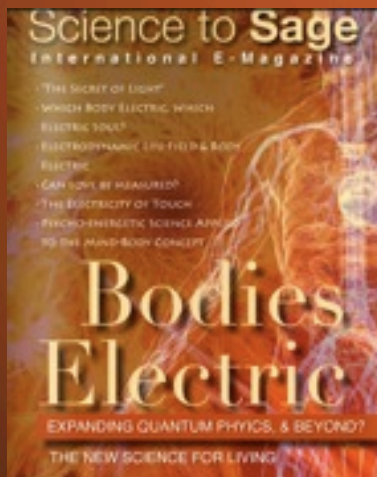


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