

Art & Physics VI



Dr Clare Z

“If artists’ intuitions are the first intimations of movement in the larger entity of *universal mind*, artists themselves can be seen to serve the unique function of *seers* through whom the *zeitgeist* appears. . . .

It does not matter if the critics and even the artists themselves are unaware of their singular purpose:

If the artists’ work is truly the apparition of the *zeitgeist*, it can become evident only in retrospect, as society matures and its members achieve the same vantage point visionary artists occupied decades earlier.”

Shlain

The further limits of our being plunge, it seems to me, into an altogether other dimension of existence from the sensible and merely “understandable” world. Name it the mystical region, or the supernatural region, whichever you choose.

William James

“James advanced the concept of a ‘continuum of cosmic consciousness’ that existed in a higher dimension and subsumed individual minds.” Shlain

. . . Einstein's space is no closer to reality than van Gogh's sky.

The glory of science is not in a truth more absolute than the truth of Bach or Tolstoy, but in the act of creation itself.

The scientist's discoveries impose his own order on chaos, as the composer or painter imposes his; an order that always refers to limited aspects of reality, and is based on the observer's frame of reference, which differs from period to period as a Rembrandt nude differs from a nude by Manet.

Arthur Koestler

"To be a good scientist you have to use your heart because that's where the information comes first."

Nassim Haramein

By understanding the geometry of the structure of spacetime and nature, we are able to modify our technology to act in harmonious collaboration with nature, rather than literally blowing nature up (combustion) in order to "make energy" even though energy exists in nearly infinite quantities within every point in space (the zero point field, plenum, aether, quantum foam or whatever you would like to call it).



*To develop a complete mind:
Study the science of art;
Study the art of science.
Learn how to see.
Realize that everything
connects to everything else.*

- leonardo da vinci

“No point is more central than this, that empty space is not empty. It is the seat of the most violent physics.”

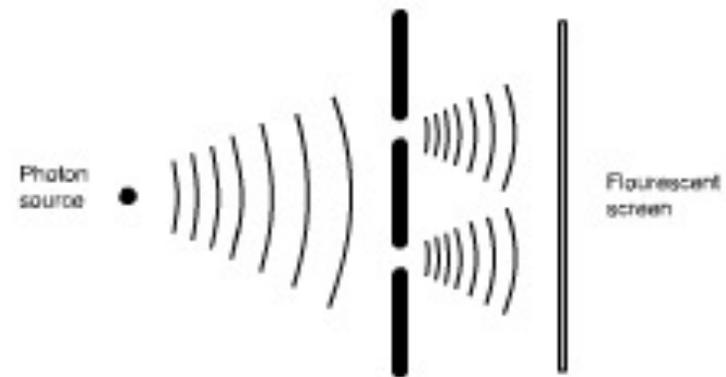
– John Archibald Wheeler



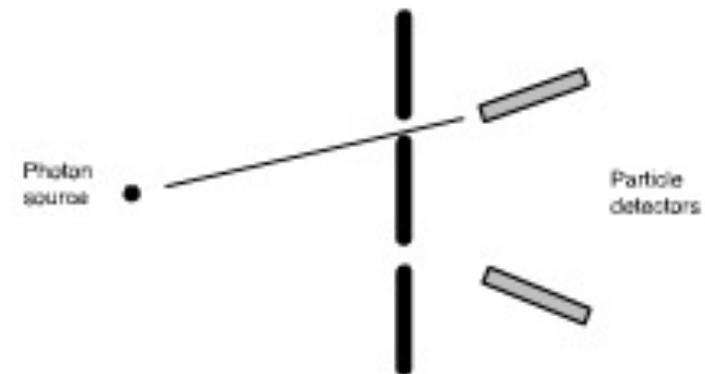
“Space is not empty. It is full...The universe is not separate from this cosmic sea of energy.” – David Bohm



Physical objects are not in space, but these objects are spatially extended. In this way the concept empty space loses its meaning. – Albert Einstein



Wave/Particle Duality

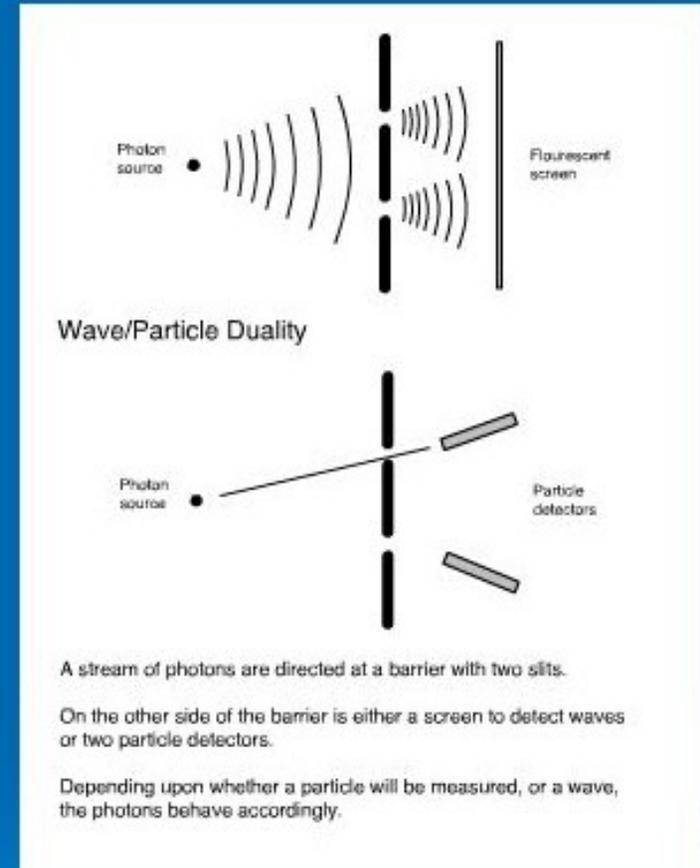


A stream of photons are directed at a barrier with two slits.

On the other side of the barrier is either a screen to detect waves or two particle detectors.

Depending upon whether a particle will be measured, or a wave, the photons behave accordingly.

- Concerning the wave/particle duality and related observer paradox, Ho refers to a theory proposed by W. Schommers that removes the “collapse of the wave function,” and, for this reason, “wave and particle are no longer in contradiction”
- Hamein has shown that there are field interferences.



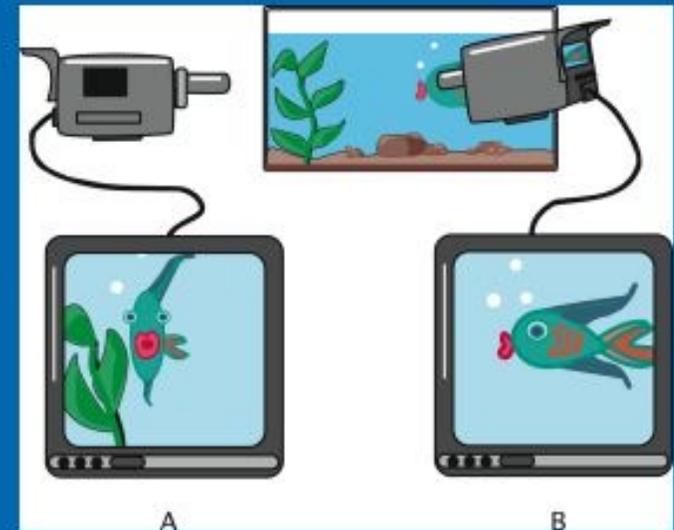
The truth is in the center, the middle path, a third way. We live in an interactive universe within an co-creative Universal Consciousness. We are made of that Consciousness. Everything is about relationship. We inter-relate, interact. We are not alone. Thich Nhat Hahn says that "this is like this because that is like that." Krishnamurti said that we are the world and the world is us. Haramein tries to clarify the oneness within and its integration with the oneness without. It's two ways, two seemingly opposing ways, a paradox, and therefore a third thing. Light is a wave and particle and therefore something else entirely in addition to being both. Thoughts cannot make sense of this kind of cognition. This can only be known by the heart. And deep intuition may find its way into the mind as vision/art/wisdom/knowing.

Dr Clare Z

David Bohm's description . . .

We know that the two images do not refer to independently existent though interacting actualities (in which, for example, one image could be said to 'cause' related changes in the other).

Rather, they refer to a single actuality, which is the common ground of both (and this explains the correlation of images without the assumption that they causally affect each other).

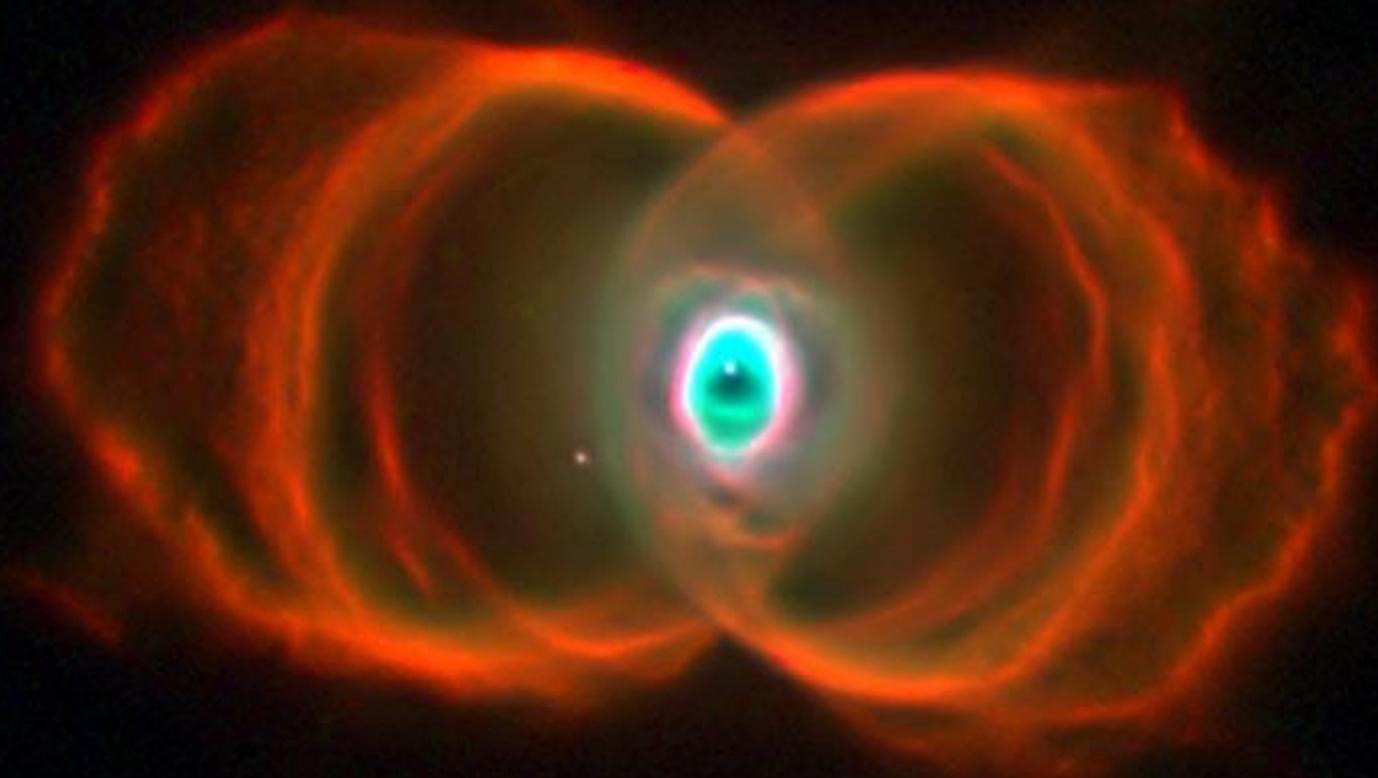


This actuality is of higher dimensionality than are the separate images on the screens:

or, to put it differently, the images on the screens are two-dimensional *projections* (or facets) of a three-dimensional reality. In some sense this three-dimensional reality holds these two-dimensional projections within it.

Yet, since these projections exist only as abstractions, the three dimensional reality *is* neither of these, but rather it is something else, something of a nature beyond both.

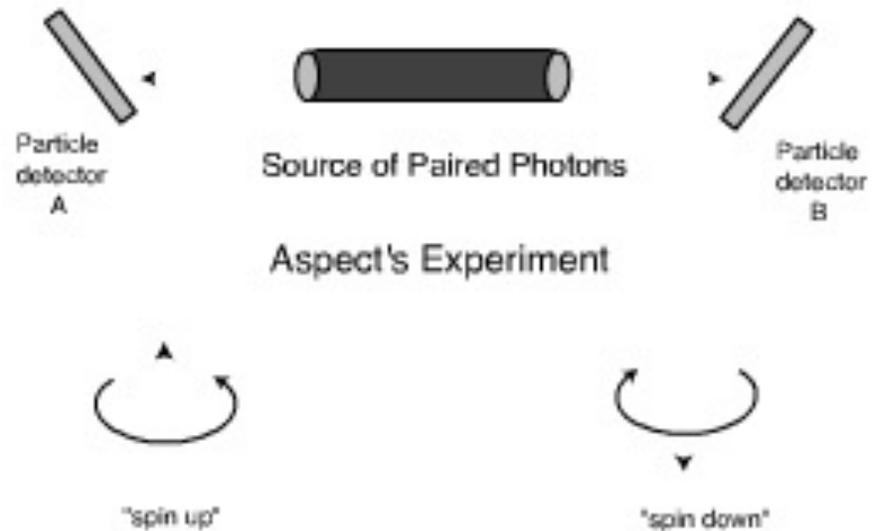
(David Bohm, pp.187-88, 1980, [Wholeness and the Implicate Order](#))



“You are creating your reality AND reality is creating you.”

- Nassim Hamein

Entanglement



Two photons are emitted by a common source.

Polarizations are measured at opposite ends of a large lab.

According to quantum theory,

the spin of each photon is indeterminate until measured.

At exactly the same moment one photon is measured,

the other is instantaneously correlated.

Einstein did not like this "Spooky action at a distance."

“It was in a discussion of the EPR [Einstein, Podolsky, Rosen] paper that Erwin Schrodinger first coined the term ‘entanglement.’”

He wrote:

If two separated bodies, each by itself known maximally, enter a situation in which they influence each other, and separate again, then there occurs regularly that which I have just called *entanglement* of our knowledge of the two bodies I would not call that *one* but rather *the* characteristic trait of quantum mechanics.

Entangled Minds

Einstein did not like this “spooky action at a distance” and expected the debate to be settled by experimentation, but in 1964 reality was proved to be nonlocal. “Perhaps the best known of these experiments were those by French physicist Alain Aspect and his colleagues at the Institut d’Optique in Orsay, France, in 1982 . . .” Dean Radin

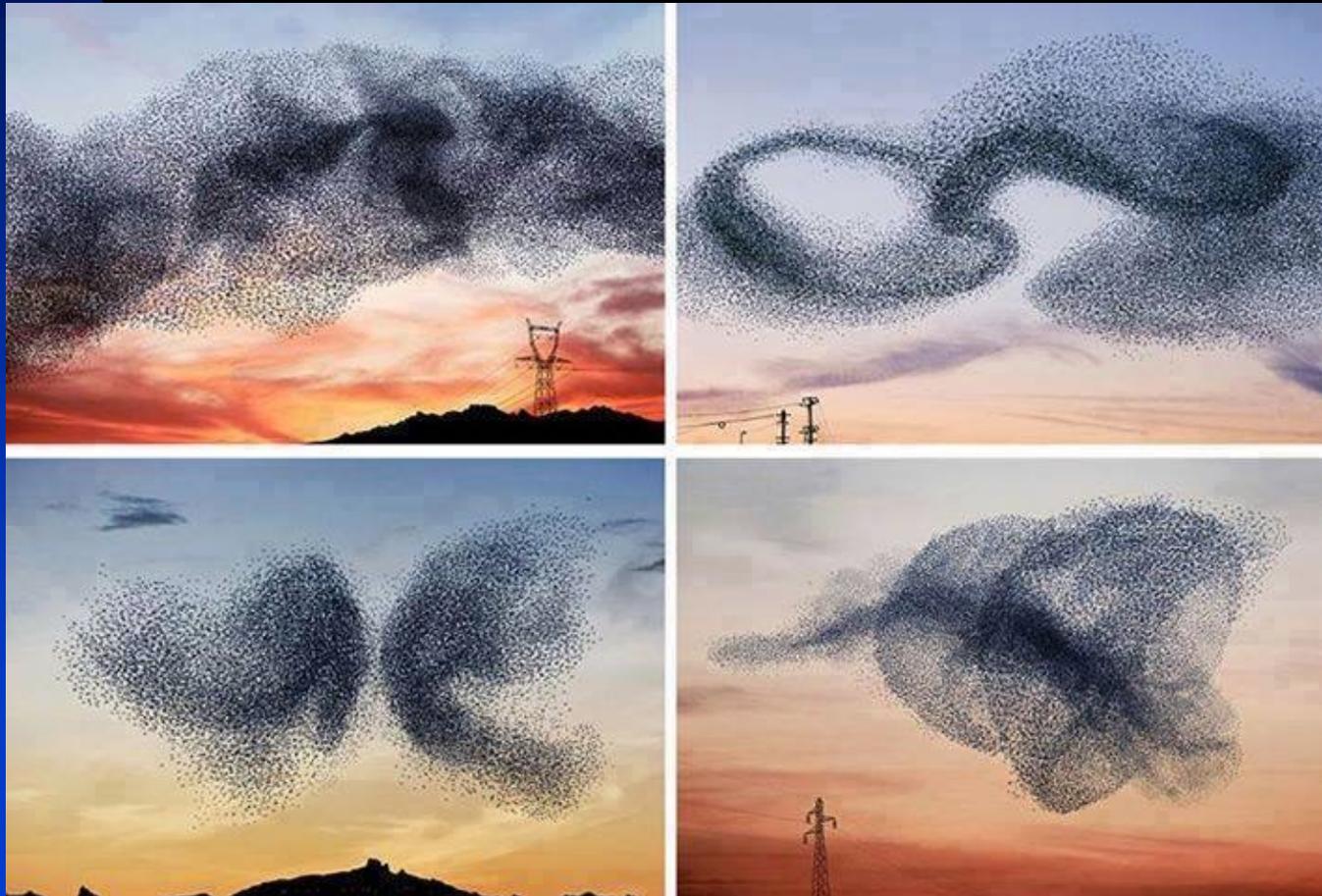
Joseph Chilton Pearce states that this “cosmic soup is highly organized . . . and any brain action selects from it logically.”

Another way of describing this at the level of wave function in a non-mechanistic scientific paradigm is stated here by Dr. Mae Wan Ho.

The visible body just happens to be where the wave function of the organism is most dense. Invisible quantum waves are spreading out from each of us and permeating into all other organisms. At the same time, each of us has the waves of every other organism entangled within our own make-up We are participants in the creation drama that is constantly unfolding. We are constantly co-creating and re-creating ourselves and other organisms in the universe, shaping our common futures, making our dreams come true, and realizing our potentials and ideals.

The Biology of Transcendence

Biology organizes itself in accordance with the underlying structure and dynamics of space-time at all scales. In the images below we see geometric patterns emerge as large numbers of relatively large biological entities (starlings) all move together, acting as if ONE unified biological organism, something known as murmuration (notice the dual Torus structure in one of the images). Perhaps, it's time for the humans to learn from the birds and from schools of fish about how to create a collective "murmuration of consciousness", where we all fly in our mind's eye together towards greater coherency and resonance of the Noosphere ... Hamein



Rupert Sheldrake, describing his hypothesis of formative causation and morphic resonance in *The Presence of the Past*, explains that all systems have organizing fields that disappear when the systems no longer exist. Morphic fields do not disappear as patterns of influence and may become apparent once again when the appropriate conditions are met. We may tune in to these fields and draw in a past morphic field by way of a similar resonance. “Morphic resonance involves the transmission of formal causative influences through both space and time.”

Sheldrake

Thus far there is no proof of memories located in the brain, rather, the brain and nervous system as transmitters and receivers of information, may tune in to the morphic fields of their own memories. Sheldrake states that this is a “radical alternative to the conventional theory that habits and memories are somehow stored as material ‘traces’ within the nervous system.”

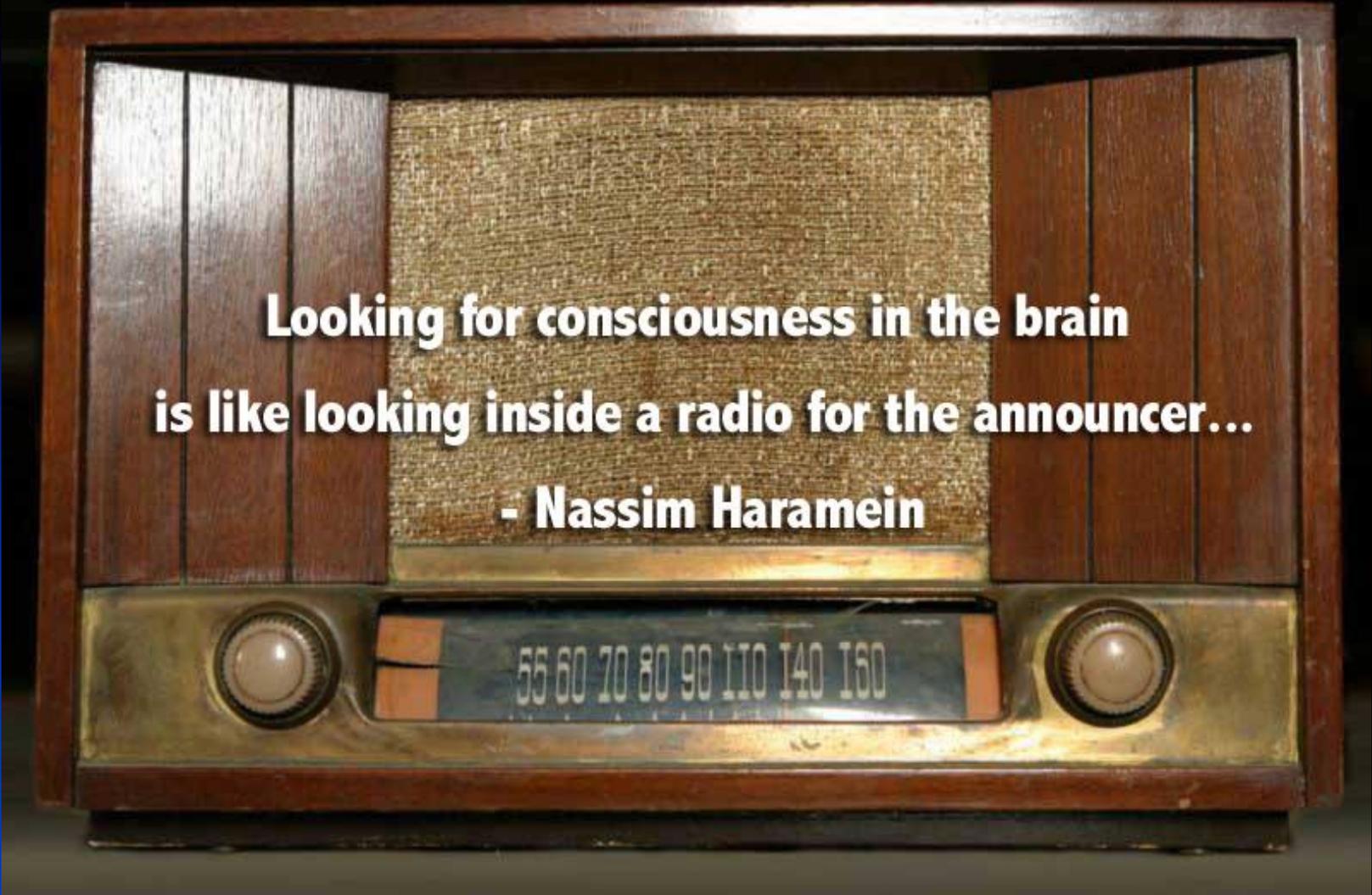
To a public continuously exposed to a Newtonian, ping pong ball reality visual images may help communicate these concepts.

Here are some analogies:

Thinking that the brain produces consciousness is like thinking a television is producing the programs, Stanislav Grof in *The Holotropic Mind*. Concerning the collective unconscious, Grof says we are able to tune into all that has ever been known or happened throughout human history as if it is a continuous broadcast.

Bruce Lipton in *The Biology of Belief*, tells us that when we die, it is as if the television receiver is “dead” but the transmissions still continue—there is simply no one there to receive it. He also uses a computer analogy—the cell membrane’s receptors enter data like we enter data on a keyboard, and the nucleus (DNA), is like a downloaded, programmed memory disk. The program will still function without the nucleus. We download the self that we think we are from the *environment of consciousness*, or All That Is.

David Chamberlain in *The Mind of Your Newborn Baby*, says something similar when he suggests that we may think of the brain as a “biocomputer used by the mind.”

A vintage wooden radio with a fabric speaker grille and a frequency dial. The radio is dark wood with a brass-colored front panel. The speaker grille is a textured, brown fabric. The frequency dial is a dark blue strip with white numbers: 55, 60, 70, 80, 90, 110, 140, 160. There are two circular knobs on the front panel, one on each side of the dial. The radio is set against a dark background.

**Looking for consciousness in the brain
is like looking inside a radio for the announcer...
- Nassim Haramein**

Many frequencies from radio & television stations are passing through us at all times, but you do not hear them unless you take a CRYSTAL (quartz) and TUNE it to the RESONANT frequency on which the station is being broadcast, then you are able to amplify the signal and receive the information carried upon it. Now, it's time for us to all learn how to tune the bio-oscillating crystals in our skulls to the resonant frequencies of the universe.

Haramain

A visualization from Nassim Hamein: Consider your own body being made mostly of space. Close your eyes and experience the space that you're made of and the space around you vibrating like a crystal. Then imagine that the rate of vibration of your biocrystal structure in the structure of the vacuum is equivalent to the information pouring in and out of you, in the same way that a crystal radio set tuned to a certain frequency allows you to hear a specific radio station. In the body, if the brain is the antennae of the radio set, the tuning dial is the heart, which defines the frequency of information received through the fluid dynamics rhythm of your body, and which can be altered by your emotional state.

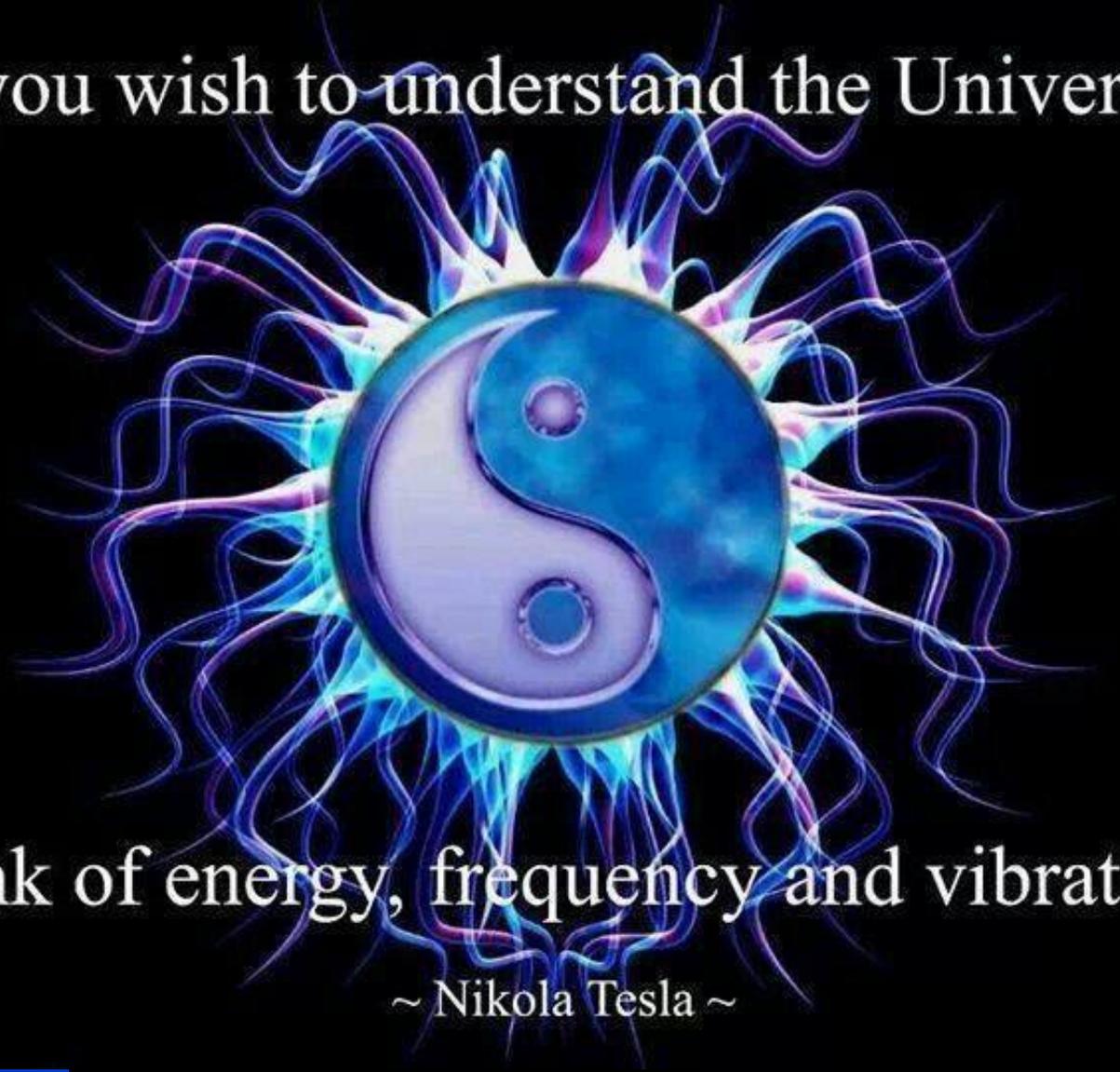
A genetic mutation acts like a damaged television component in that the reception is no longer clearly received and distortions occur. The program is ultimately dependant on the ability of the television to receive the particular frequency—it is not the source of the transmission.

A stimulus from the environment may also cause a change in the patterns of vibratory activity, for example, in an embryo exposed to toxins, radiation, etc., the tuning in to the field is disturbed by an environmental factor.

Various experiments with mice and rats involving the learning of patterned behavior and then the subsequent removal of large portions of brain matter do not diminish the memory of the learned behavior.

Stimulation of the nervous system creates a larger brain because of activity.

If you wish to understand the Universe,

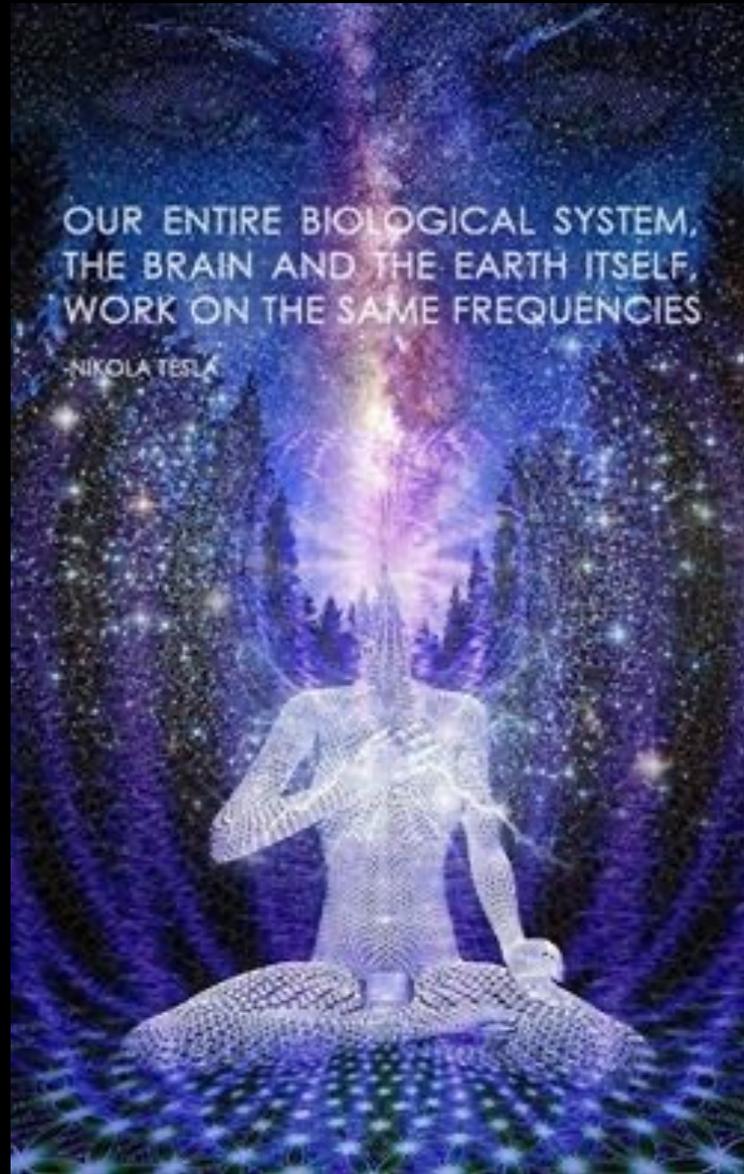


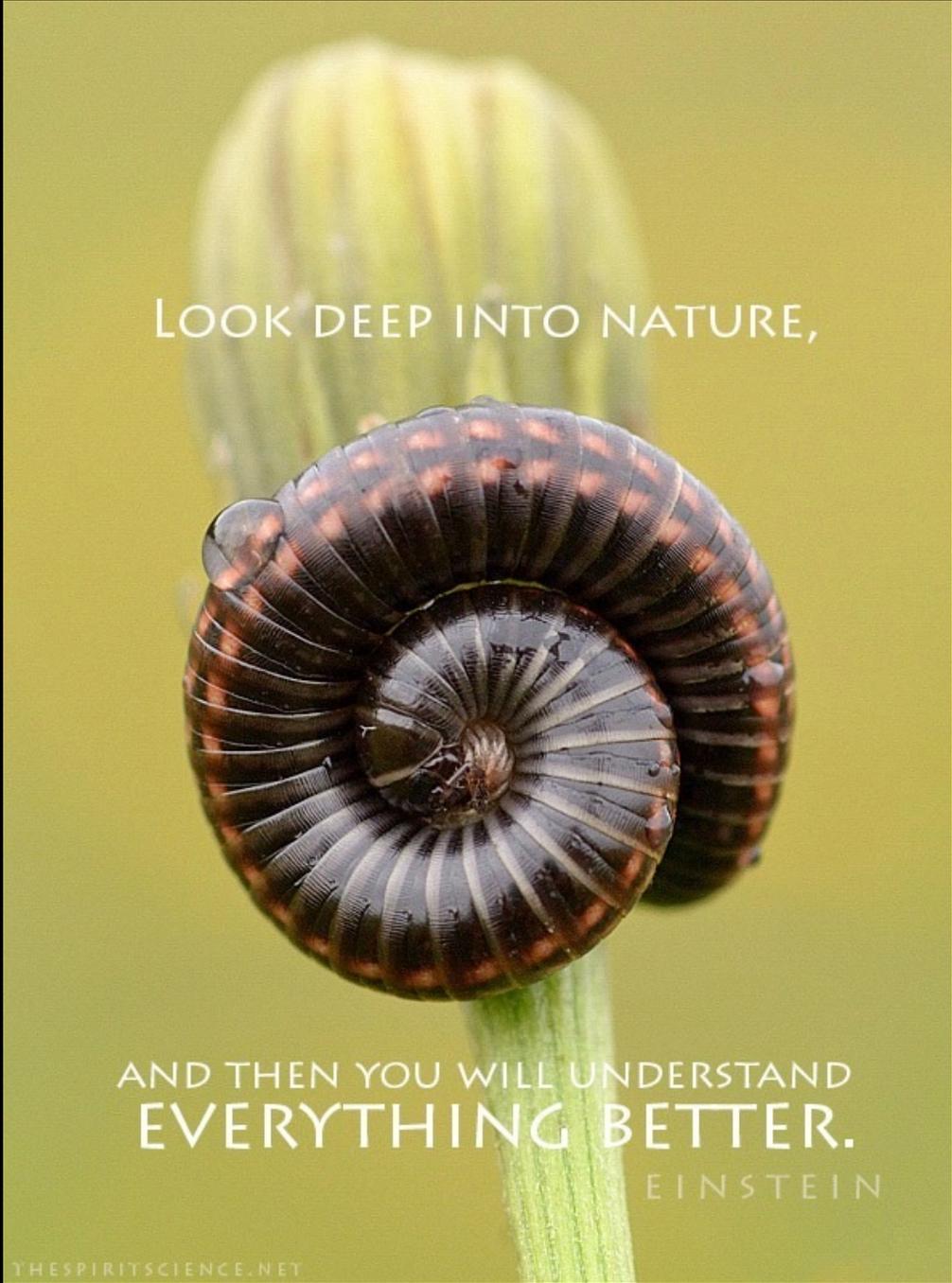
think of energy, frequency and vibration.

~ Nikola Tesla ~

OUR ENTIRE BIOLOGICAL SYSTEM,
THE BRAIN AND THE EARTH ITSELF,
WORK ON THE SAME FREQUENCIES

-NIKOLA TESLA

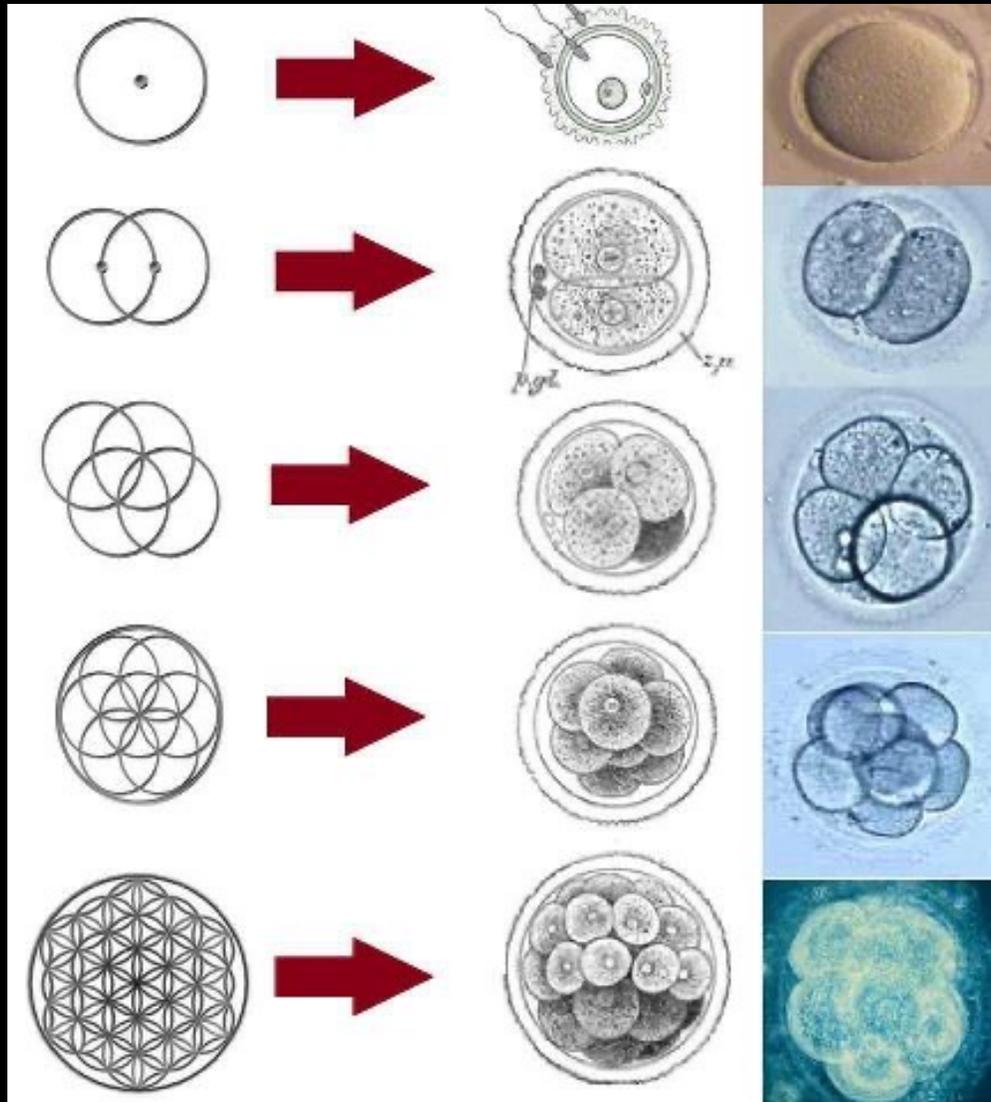




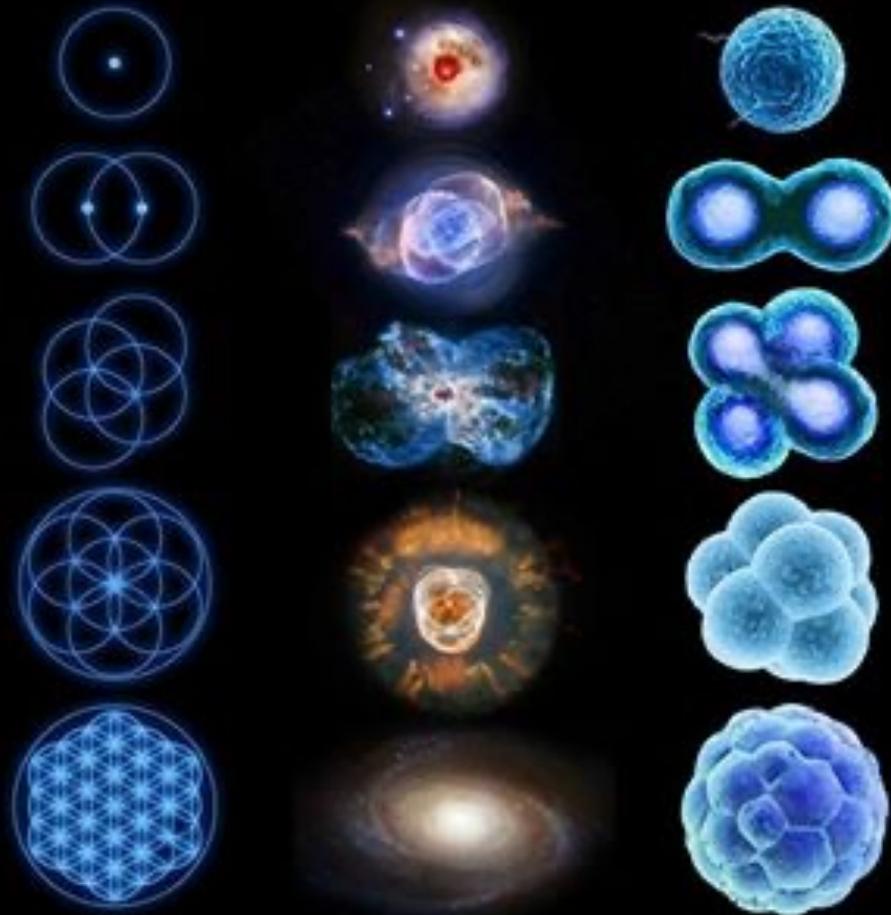
LOOK DEEP INTO NATURE,

AND THEN YOU WILL UNDERSTAND
EVERYTHING BETTER.
EINSTEIN

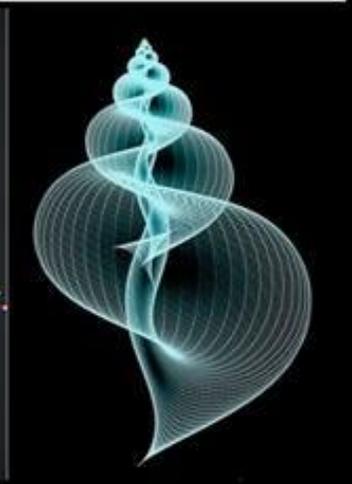
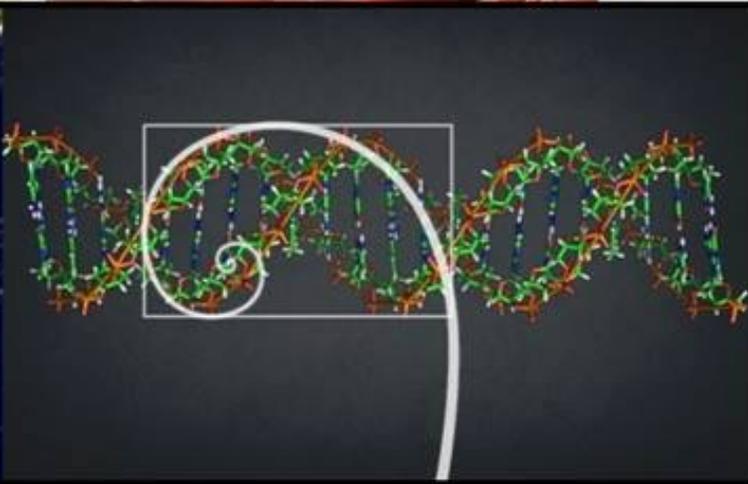
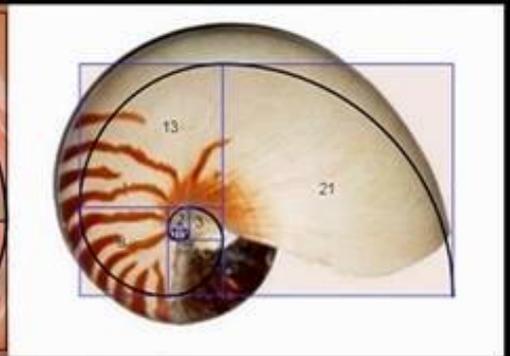
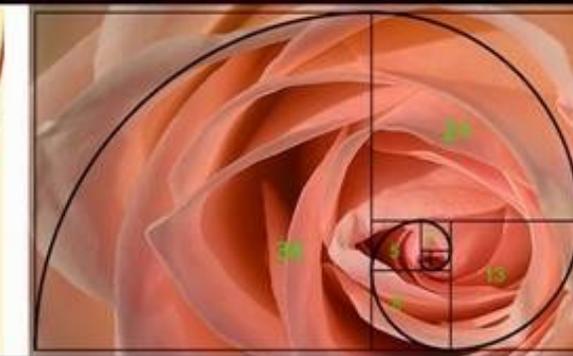
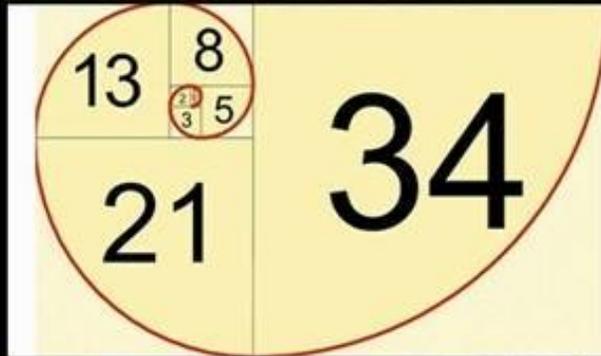
THE SPIRITSCIENCE.NET

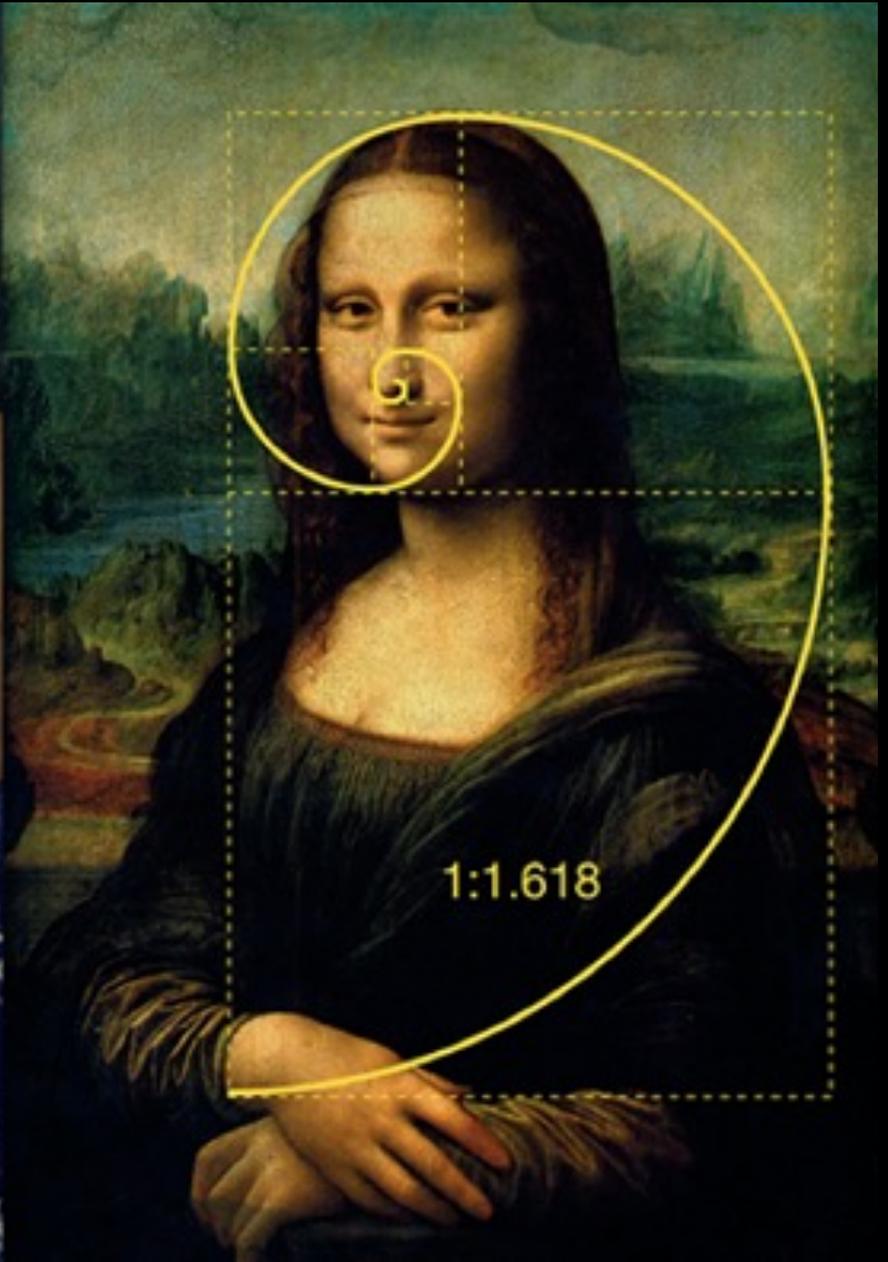


THAT MOMENT...



WHEN ALL OF THE DOTS CONNECT







BREATH OF THE UNIVERSE

THE GEOMETRY OF ENERGY FLOW PATTERN

TORUS

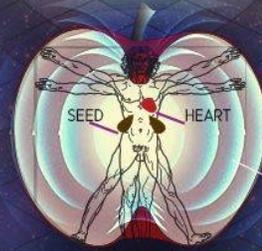
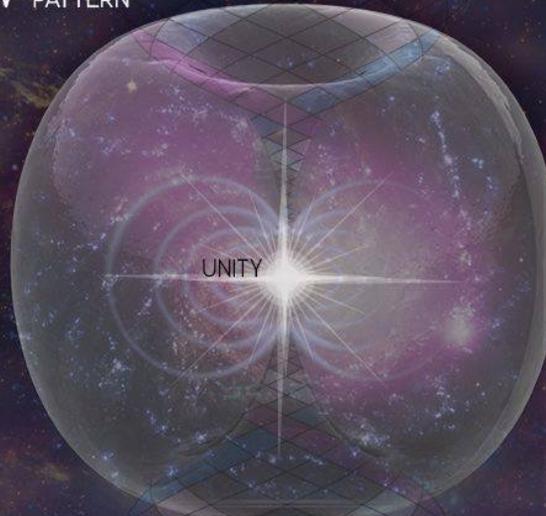
GEOMETRIC STRUCTURE OF TORUS



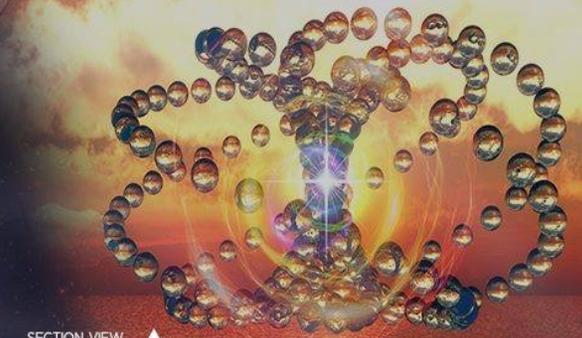
VECTOR EQUILIBRIUM



MILKY WAY GALAXY



ELECTRO MAGNETIC FIELD



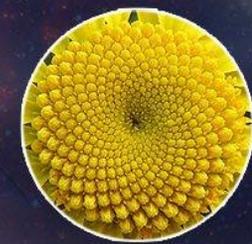
SECTION VIEW

PLAN VIEW

3D VIEW

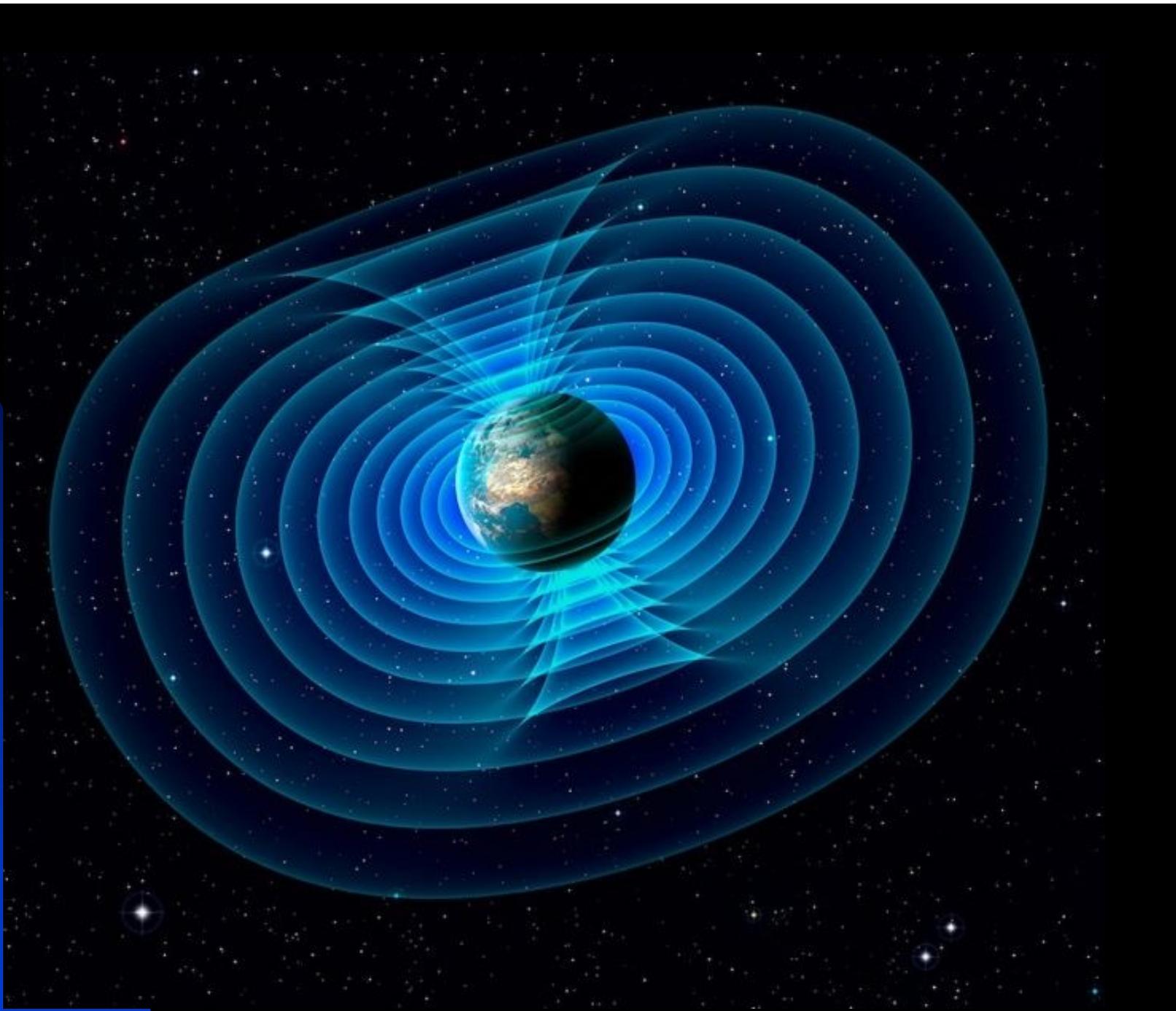


GOLDEN SPIRAL



TORUS IS THE FORM OF FLOWING ENERGY DYNAMICS AT EVERY SCALE OF EXISTENCE.
THE 3D STRUCTURE OF THE TORUS IS THE VECTOR EQUILIBRIUM;
IT'S THE BLUEPRINT BY WHICH NATURE FORMS ENERGY INTO MATTER.
WE CAN OBSERVE IT EVERYWHERE; IN ATOMS, CELLS, SEEDS, FLOWERS, TREES,
ANIMALS, HUMANS, HURRICANES, PLANETS, GALAXIES AND EVEN THE COSMOS AS A WHOLE.

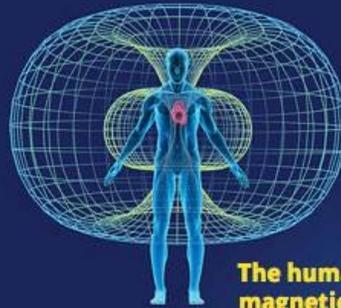








Did you know?



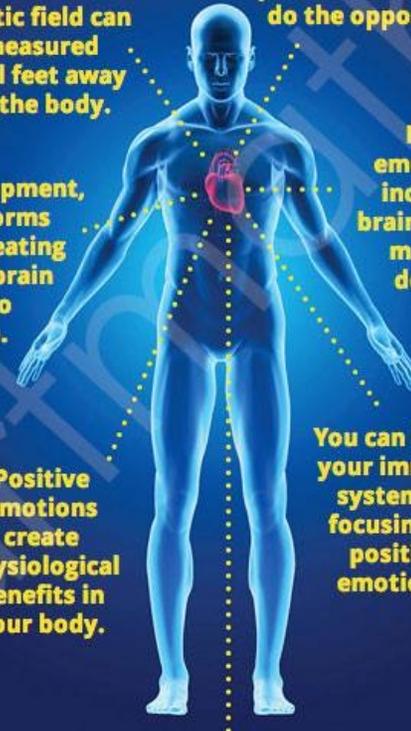
The human heart's magnetic field can be measured several feet away from the body.



Negative emotions can create nervous system chaos, but positive emotions do the opposite.



In fetal development, the heart forms and starts beating before the brain begins to develop.



Positive emotions can increase the brain's ability to make good decisions.



Positive emotions create physiological benefits in your body.

You can boost your immune system by focusing on positive emotions.

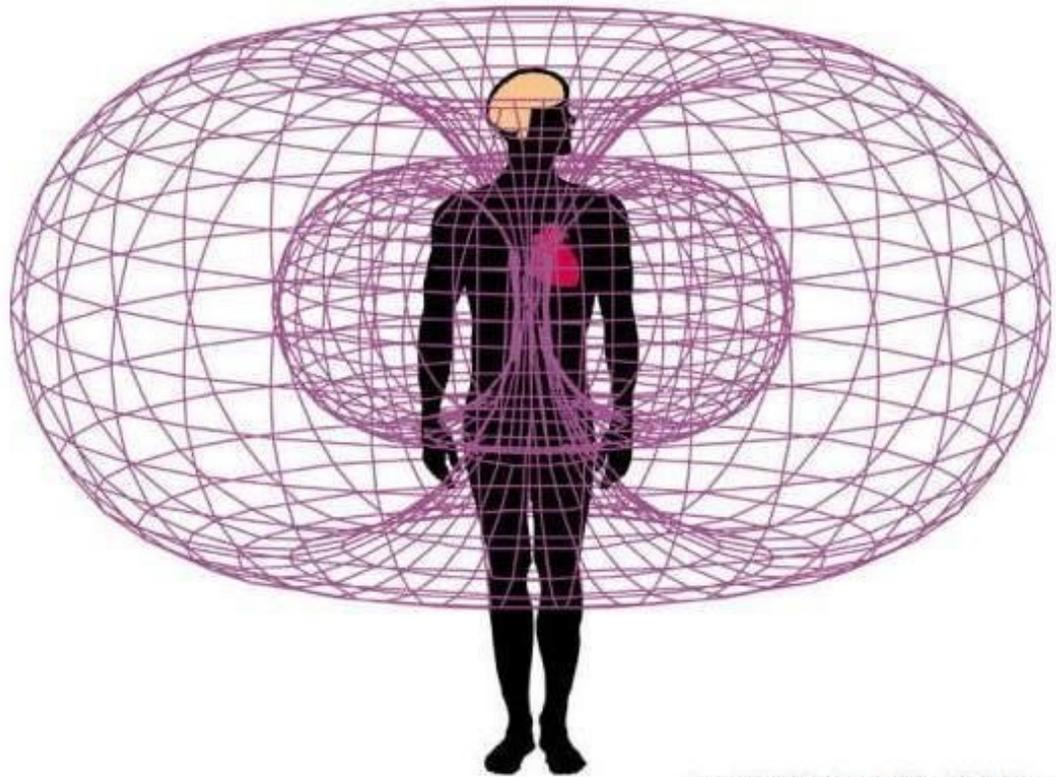


A mother's brainwaves can synchronize to her baby's heartbeats even when they are a few feet apart.

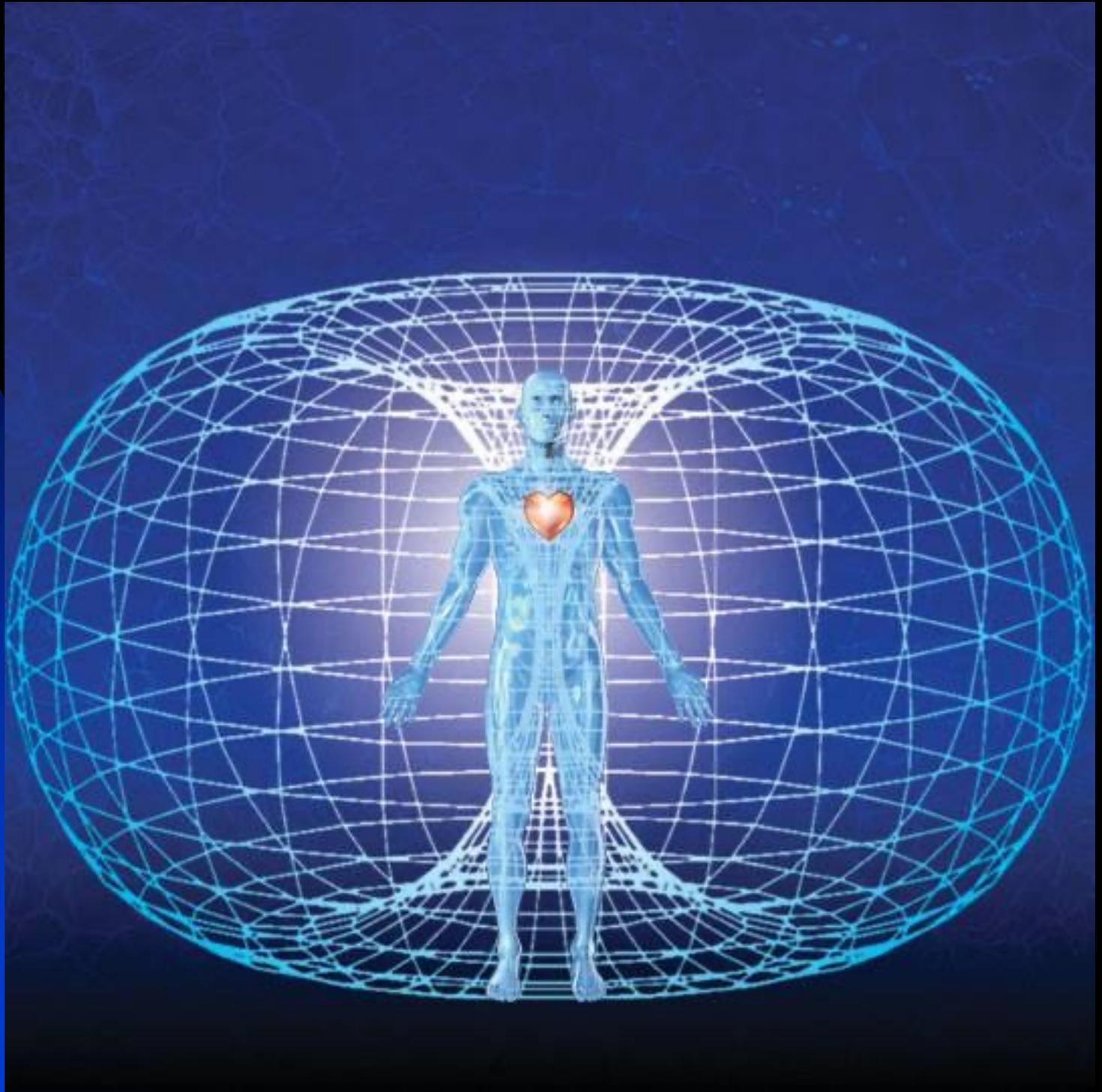


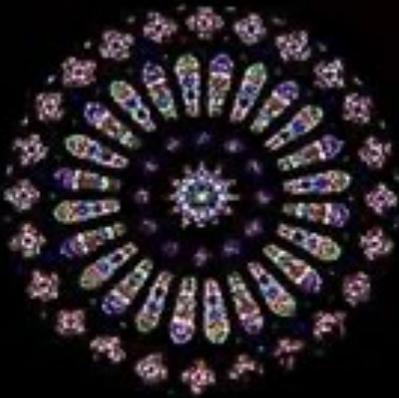
The Heart is more powerful than the Brain

The Heart is about 100,000 times stronger electrically & up to 5,000 times stronger magnetically than the brain.

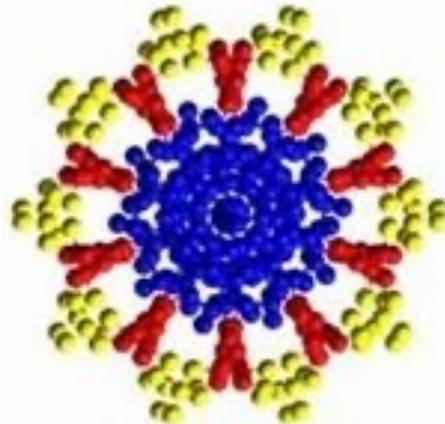
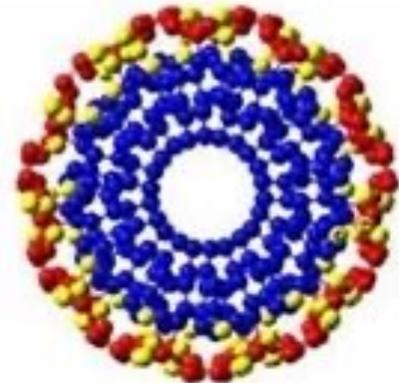


Copyright © Institute of HeartMath Research Center

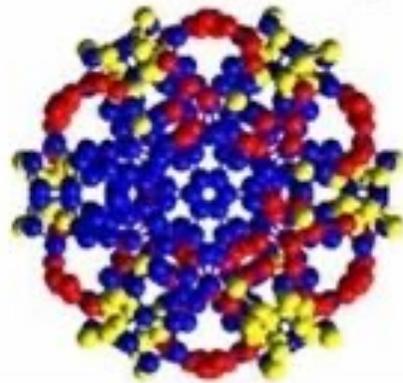




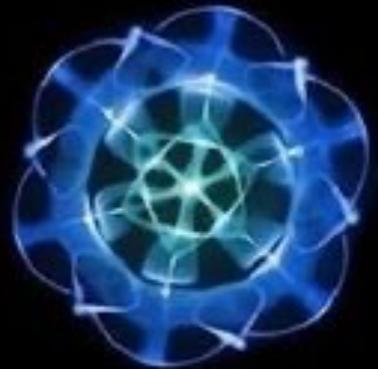
CHURCH WINDOWS



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TOP DOWN VIEW OF DNA

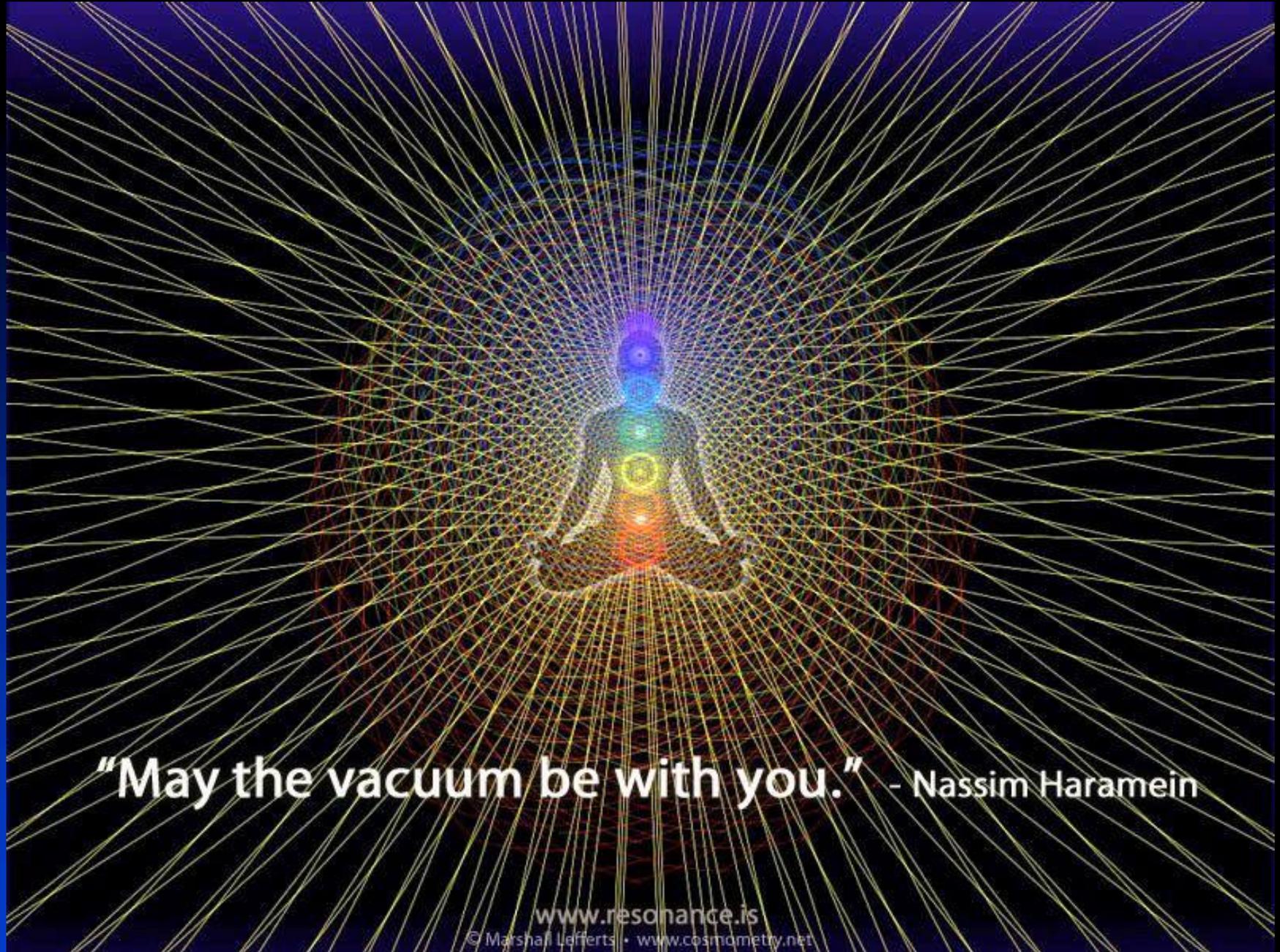


CYMATIC FREQUENCIES

**WHAT WE OBSERVE AS MATERIAL BODIES
AND FORCES ARE NOTHING BUT SHAPES
AND VARIATIONS IN THE STRUCTURE OF
SPACE AND TIME.**

-ERWIN SCHRODINGER





"May the vacuum be with you." - Nassim Haramein

www.resonance.is
© Marshall Lefferts • www.cosmometry.net

When the balloon expands...

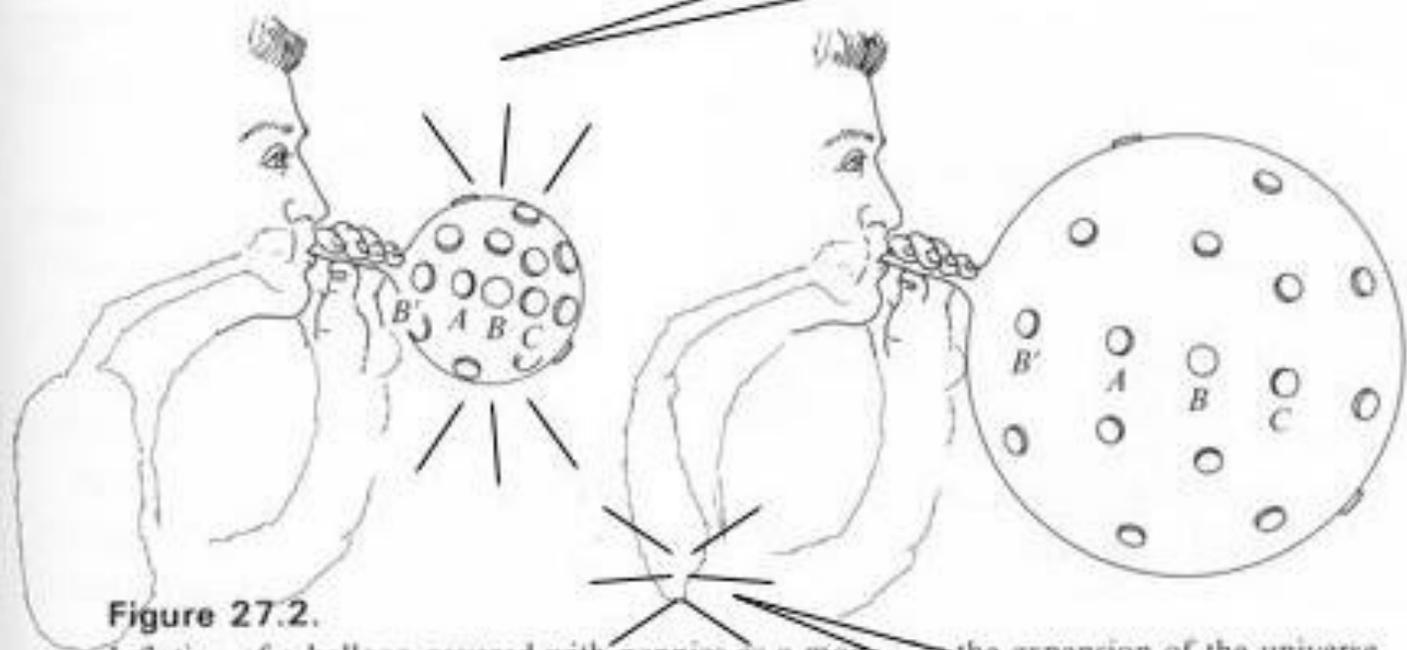


Figure 27.2.

Inflation of a balloon covered with pennies as a model of the expansion of the universe. Each penny *A* may well consider itself to be the center of the universe because the distance from *A* to any neighbor *B* or *C* increases the more the balloon expands. To begin with ("the Hubble relation"). The pennies travel away from *A* at a speed proportional to the distance of sun-Earth distance, no expansion of a meter stick. The spacing today between galaxy and galaxy ($\sim 10^6$ light years) is much larger than the dimension of a galaxy ($\sim 10^5$ light years).

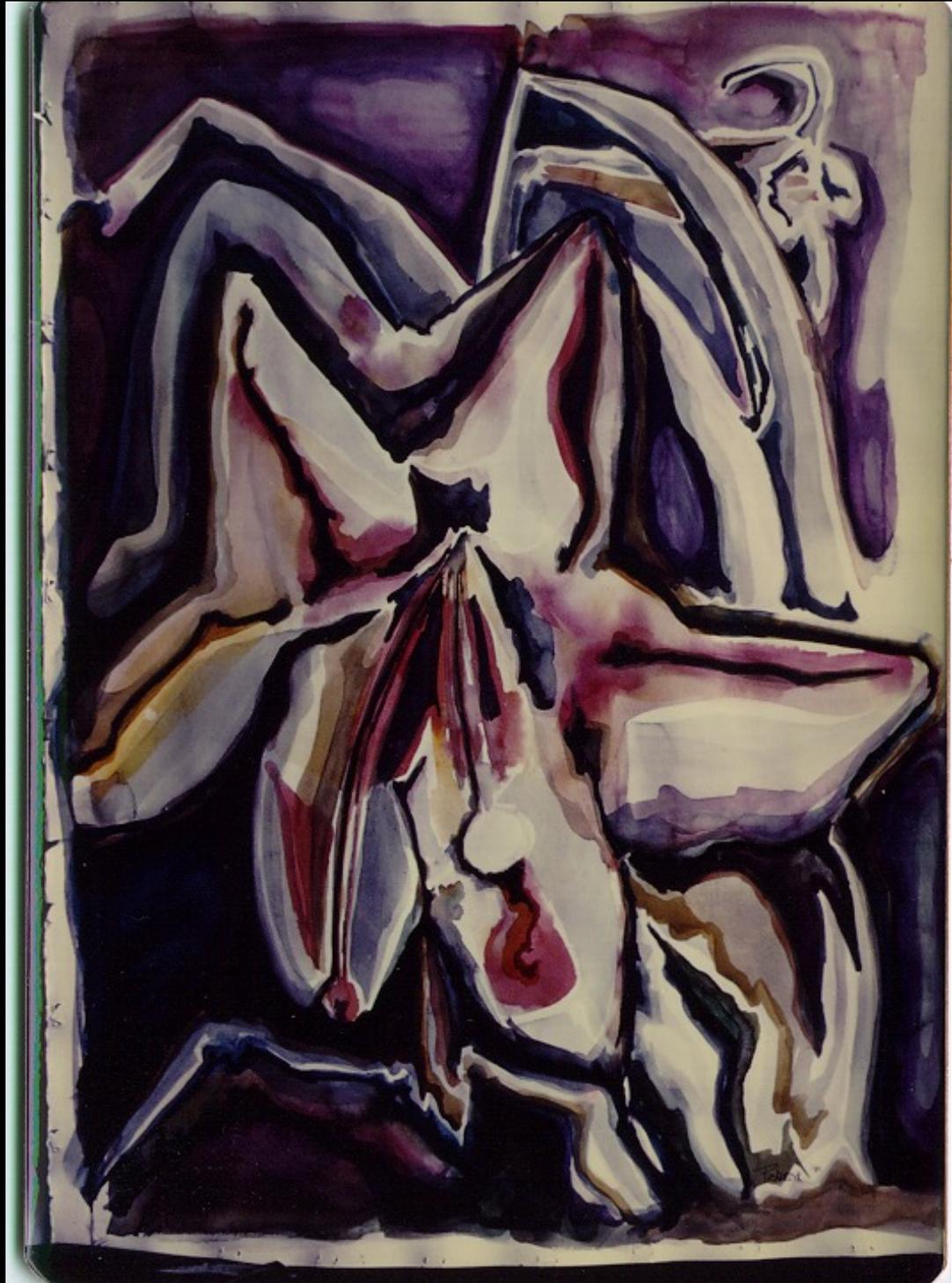
The lungs CONTRACT !

We have all heard about "big bang" which states, among other things, that the whole universe started out as an infinitely small point in space called a singularity and then "blew up" in a massive explosion, thereby creating space where there had been none before and it has been expanding ever since at an ever accelerating rate. The book "Gravitation" by Wheeler, Thorne & Misner is one of the more foundational books in physics as it explains aspects of the foundation of the standard model. Many early physics students have to read this book in their studies. On page 719 you find the current most accepted model of the known universe, according to the standard model, which is a drawing of a guy blowing up a balloon with pennies glued to it. The balloon represents the universe expanding as it is being blown up and the pennies glued to the balloon move away from each other as the universe expands. The big question that Nassim Haramein then asks is: "Who's that guy?!" If, for every action there is an equal and opposite reaction, then why have we not heard about "The Big Contraction"? "For every action there is an equal opposite reaction" is one of the most foundational and proven concepts in all of physics. Therefore, if the universe is expanding then the guy who is blowing up that balloon has to have some huge lungs that are contracting to be able to blow it up. This is a concept that Nassim began exploring when creating an alternative unified field theory to explain the universe. Nassim knew there had to be something fundamental and universal that was contracting in order to cause the expansion of the universe and that the standard model did not sufficiently account for this at the time. Eventually, his process of discovery led to the development of his unified field theory which includes an explanation for the expansion of the universe. The thing that is contracting and allowing for the expansion of the universe is space itself, not just curving as Einstein suggested, but curling toward singularity at every point.

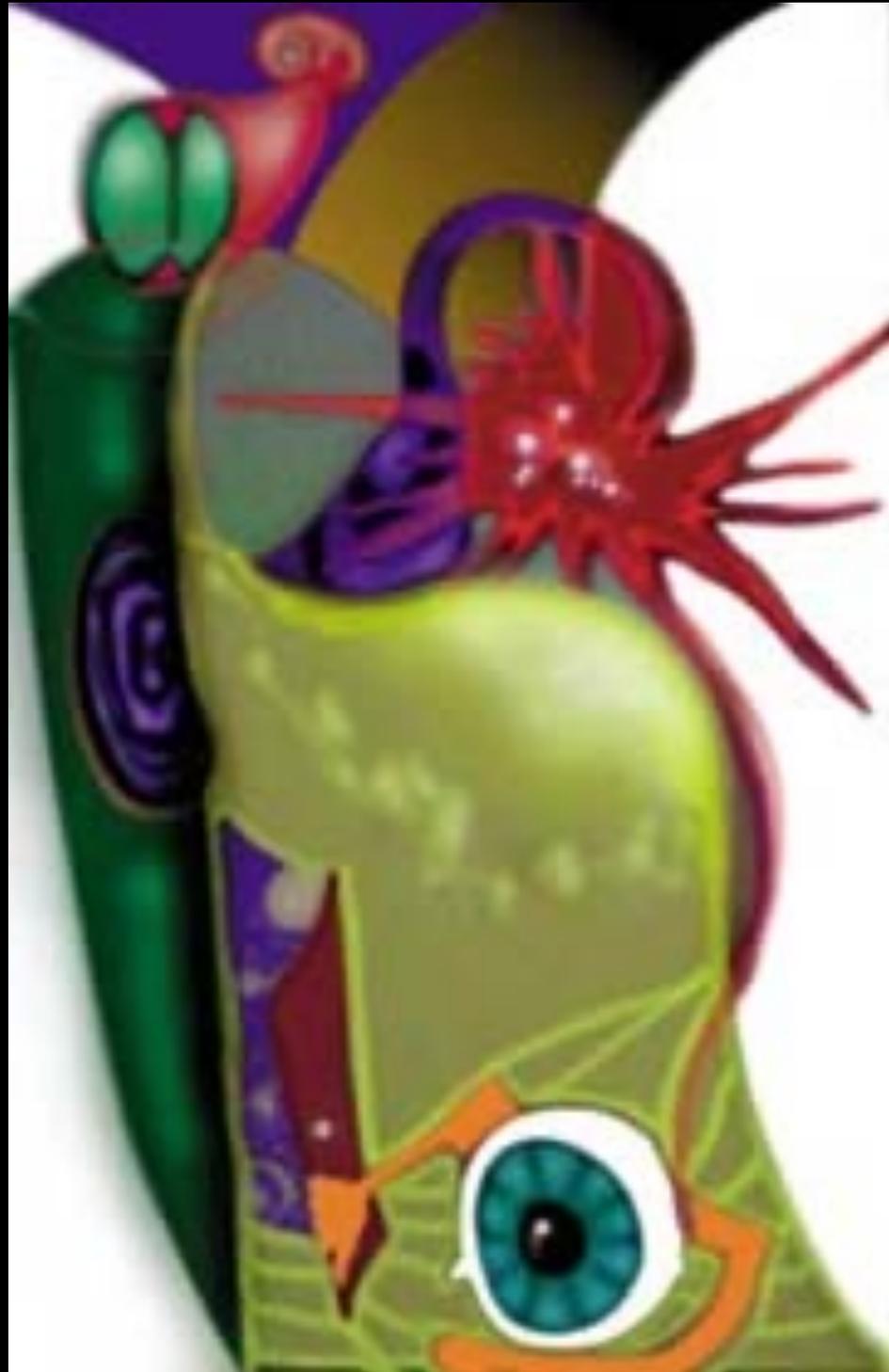


Relevant Elbisvni

Invisible Traveler







Three of my favorite visionary artists are —Jesse Allen, Gordon Onslow-Ford, and Mauro Mejaz

They painted from “inside out.”

It is because of Jesse Allen’s paintings that I began to paint 40 years ago. I had the honor of visiting each of these artists in their studios:

Jesse Allen in Berkeley, California;

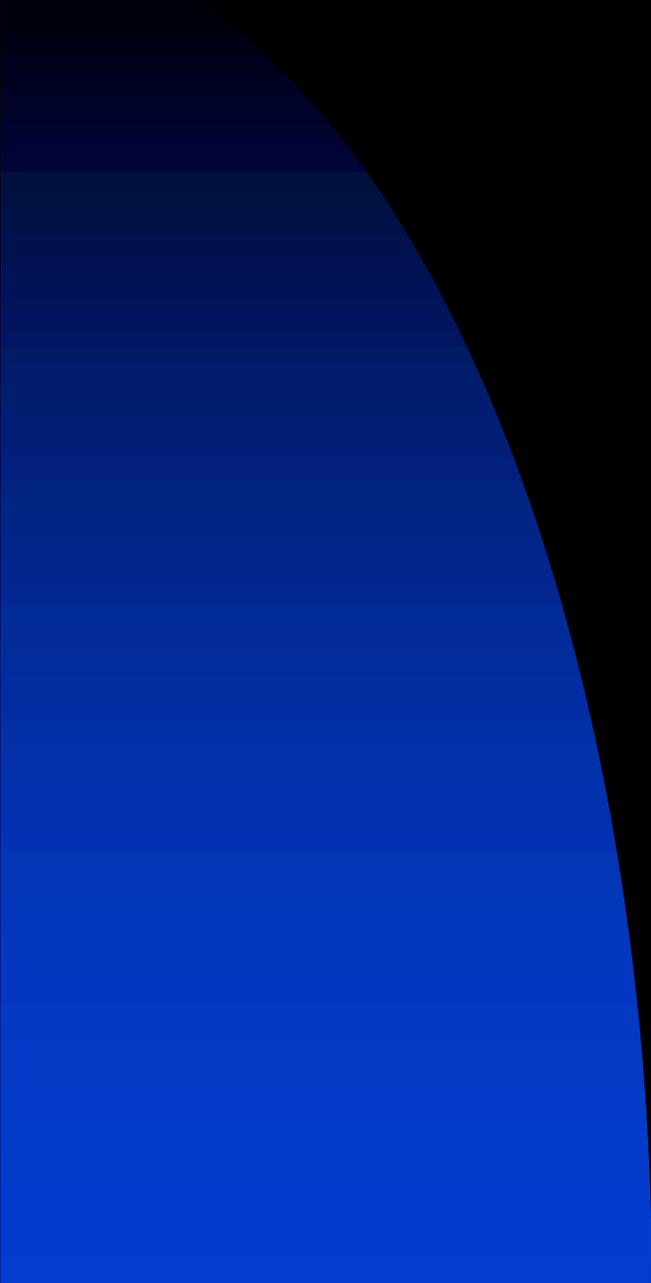
Gordon Onslow-Ford north of the Bay Area, CA;

Mauro Mejaz, northeast of Paris, France.

“I became a painter in spite of myself. I seek to indicate the sacredness of what we loosely call ‘nature.’ I wish to evoke the ecstasy of the universe in any given instant of time. These images are created from within my own psyche and are intended as meditation pieces whose Shamanic message is multi-layered and accessible to any person alive today whoever they may be and wherever they may live.”

Jesse Allen





“The primary purpose of life is to achieve a growth of consciousness. It follows that the principle aim of art is to see the world anew. . . The profound preoccupations that inspired Modern Art during the early part of the last century are now once again, for more and more people, coming back but they are finding expression in deeper levels of consciousness. . . .”

Gordon Onslow Ford

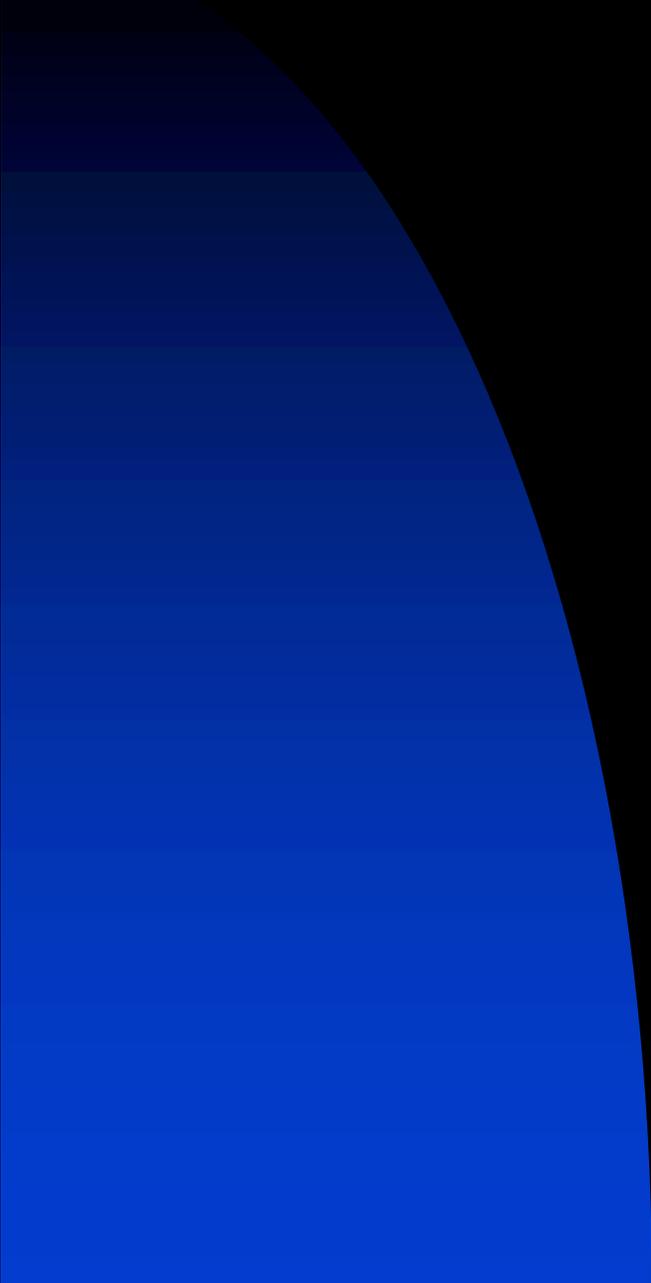
“Modern Art, with its deep insights from the Open Mind, as far as the general public was concerned, went underground, where it has remained until recently, when the present world conditions demand, on pain of human extinction, a new attitude towards the world, a deeper respect for interdependence of humankind with nature which implies the need for a deeper way of seeing the world in which we live.

In the paintings of Inner Realism, aspects of the invisible become visible.

Inner Realism happens through spontaneous painting.

Every pioneer painter, through spontaneous painting, has a chance to make a unique contribution.”

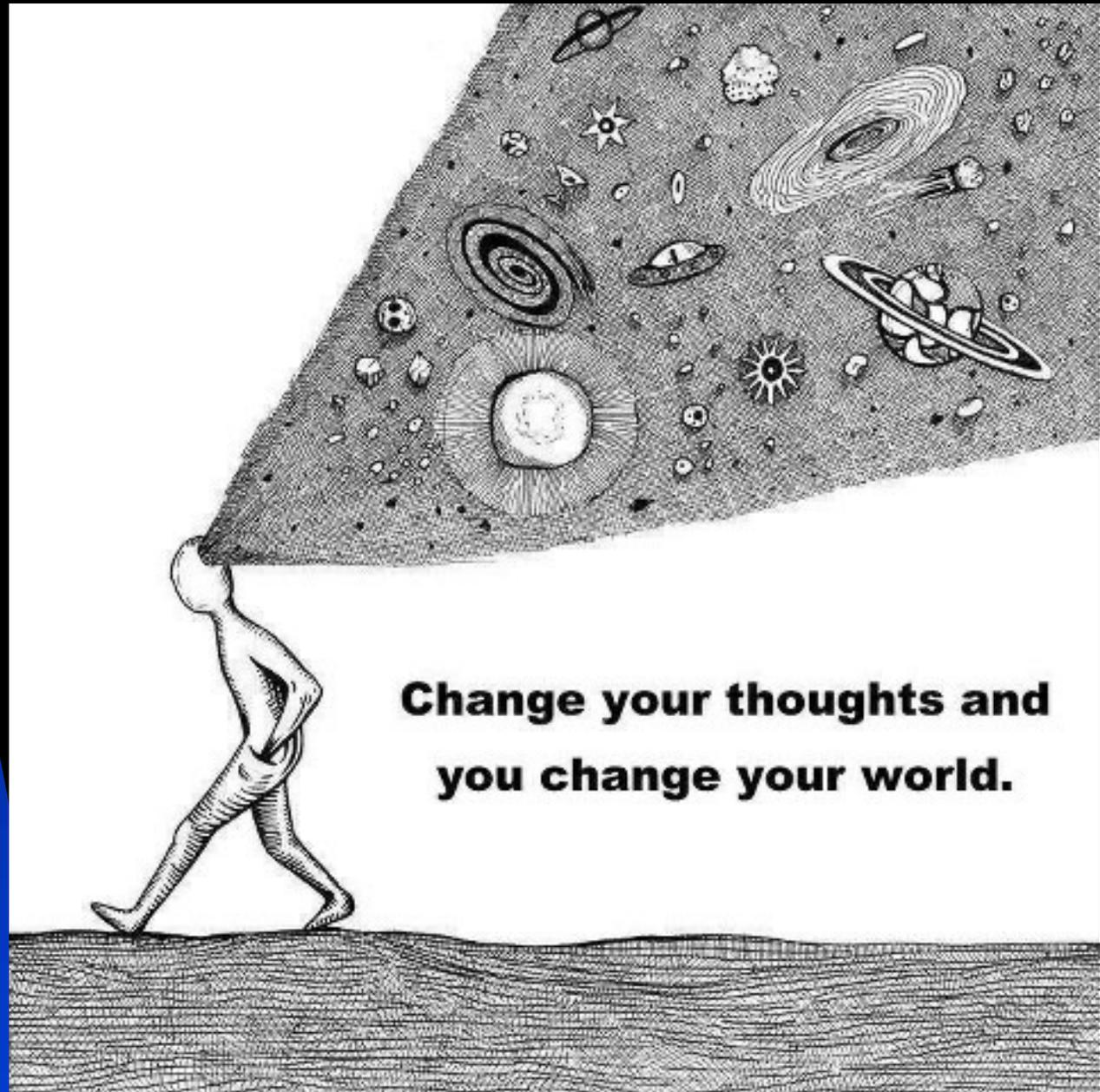
Gordon Onslow Ford



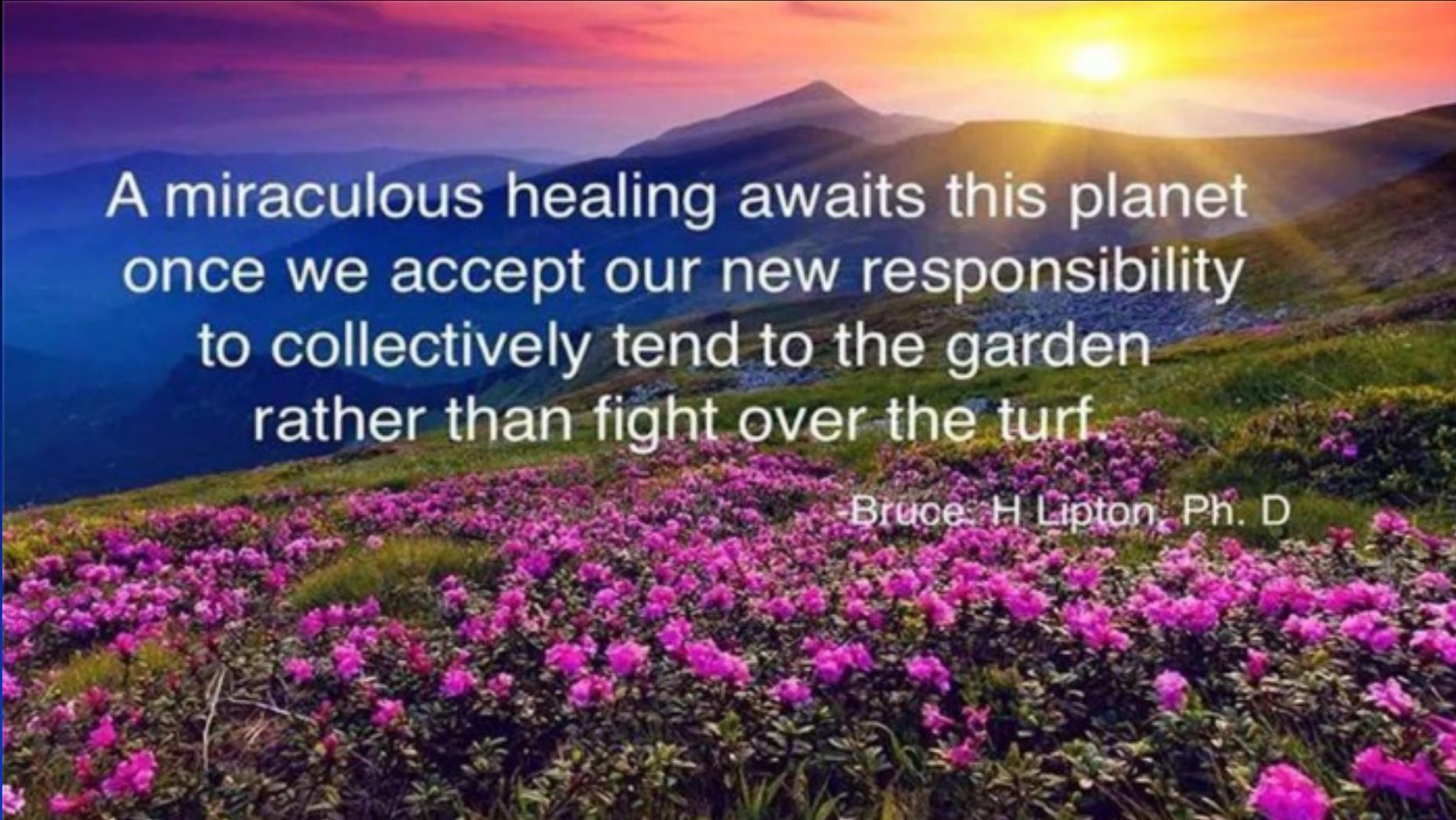
"When I am working," says Mauro Mejiaz, "I never prepare anything in advance, no sketches or anything of the kind. I start directly on the canvas and I empty my mind so that things emerge spontaneously of their own accord."

"In order to see the real manner of things, we should start from the inside and work outwards."

Mauro Mejiaz



**Change your thoughts and
you change your world.**

A scenic landscape featuring a sunset over a range of mountains. The sun is low on the horizon, casting a warm glow over the scene. In the foreground, there is a field of vibrant pink flowers. The sky transitions from a deep purple on the left to a bright yellow on the right where the sun is. The mountains in the background are silhouetted against the bright sky.

A miraculous healing awaits this planet
once we accept our new responsibility
to collectively tend to the garden
rather than fight over the turf.

-Bruce H Lipton, Ph. D



End of Part VI