

The Ground We Stand On; the history of resonance therapy.

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Going down the rabbit hole

.....and into the warren



Postulates

1. We are like fish in water, unable to see the milieu that is responsible for our survival; we are blind and deaf to ~84% of the spectrum that defines us.
2. On the most fundamental level we are frequency, consist of patterns of intersecting waves of energy
3. Breakthroughs are understood within the context of historical knowledge and generally contains some error and some truth
4. The intellectual and political environment will affect the fostering or suppression of new ideas
5. The accessibility to new knowledge will affect growth of the field.

The Primordial Resonance

- Schumann Earth frequencies 7.84, same as alpha brain wave.
- “Cerebral spinal fluid in the ventricles resonates with and amplifies this frequency” Nick Anthony Fiorenza 2016 (electronics engineer)
- Since we naturally entrain to our milieu thence the importance of shielding from damaging EMF
- Earthing; a way to ground to the fundamental Earth frequencies, has many reported healing effects
 - Involves making a wired connection between you and the ground

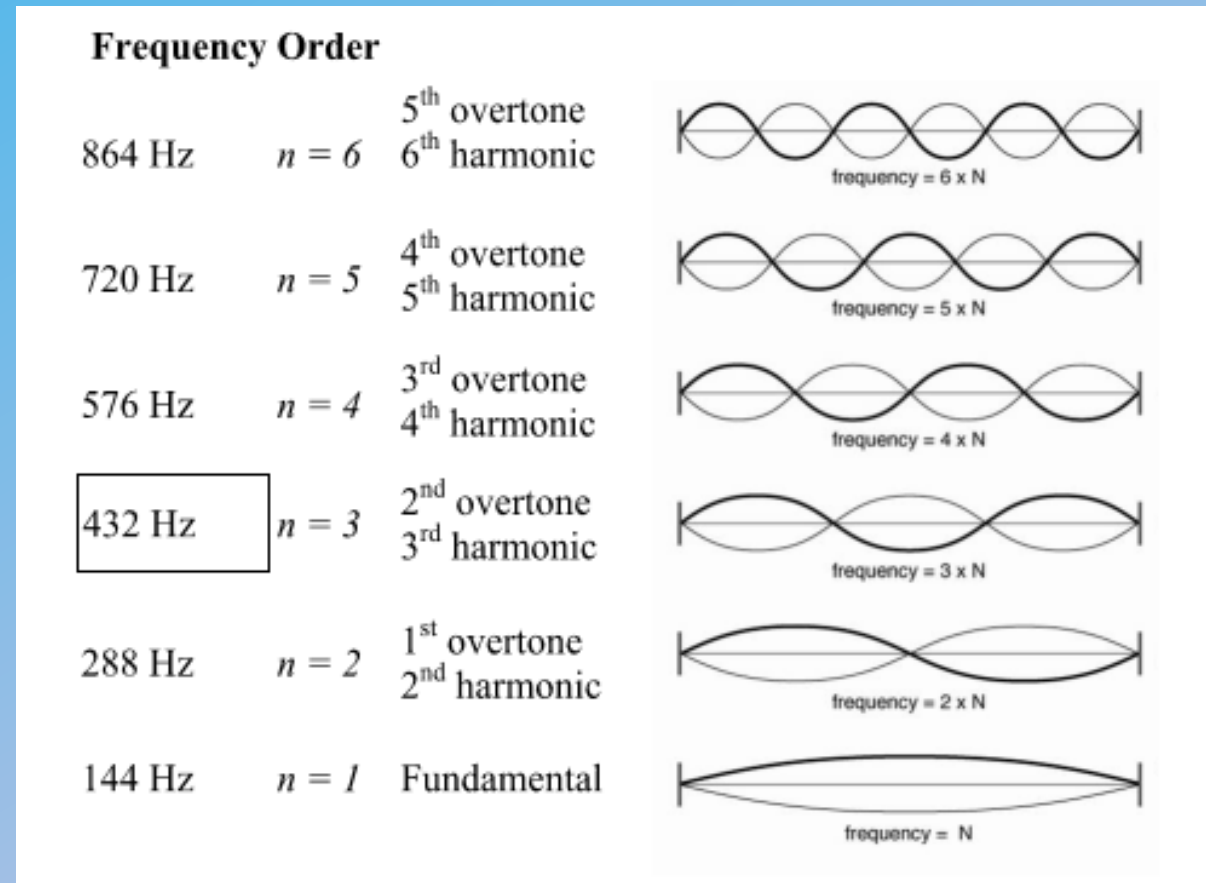
The First Resonance: Music and healing; ancient and universal



- Chinese character for medicine: top part relates to grasses and herbs, bottom part to music as well as delight and happiness
- Indigenous cultures incorporate music as an integral part of healing process
- Hindu Ayurvedic use the voice to balance the chakras
- Mayan shamans used voice to create light

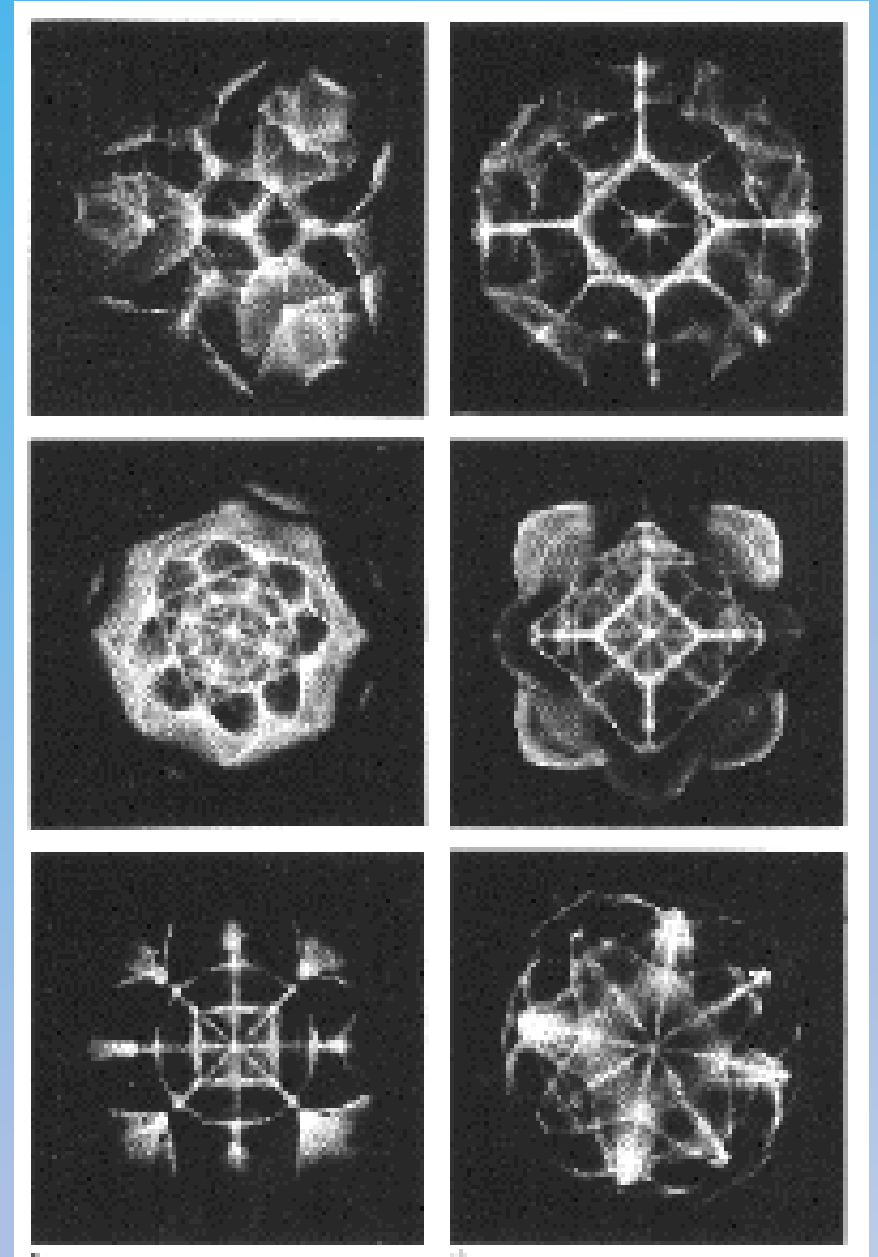
Earliest Resonance Considerations; contributions of Pythagoras

- Pythagoras, born around 569 BCE was a contemporary of Buddha
- Developed the concept of harmonics which he applied to music, art, architecture, government, relationships and spiritual development.
- Music IS mathematics:
 - Arithmetic= Number in itself
 - Geometry= Number in space
 - Music/Harmonies= Number in time
 - Astronomy= Number in space & time
- Prescribed music as medicine for emotional imbalances and divine evolution of the soul



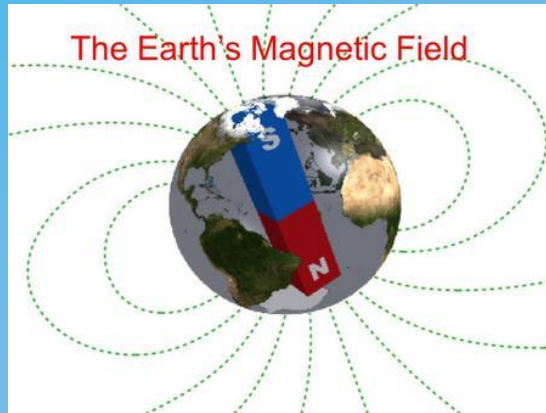
Cymatics: made sound frequencies visible and raises question of effects on biology

- Galileo 1632
- 1680 Robert Hook violin bow drawn across a metal plate covered with flour allowed nodal patterns to become visible
- Chladni is 1787 and then Hans Jenny a Swiss MD in the 1900's: the effects of sound and vibration on matter; also the action of the human voice on various materials using a tonoscope



Early discoveries and the birth of duality

- William Gilbert, an English physician; 1600 the Earth is like a bar magnet with poles, he differentiated between magnetic field and electric field, coined the word electricity



- William Harvey 1928 the vital spirit is in the blood

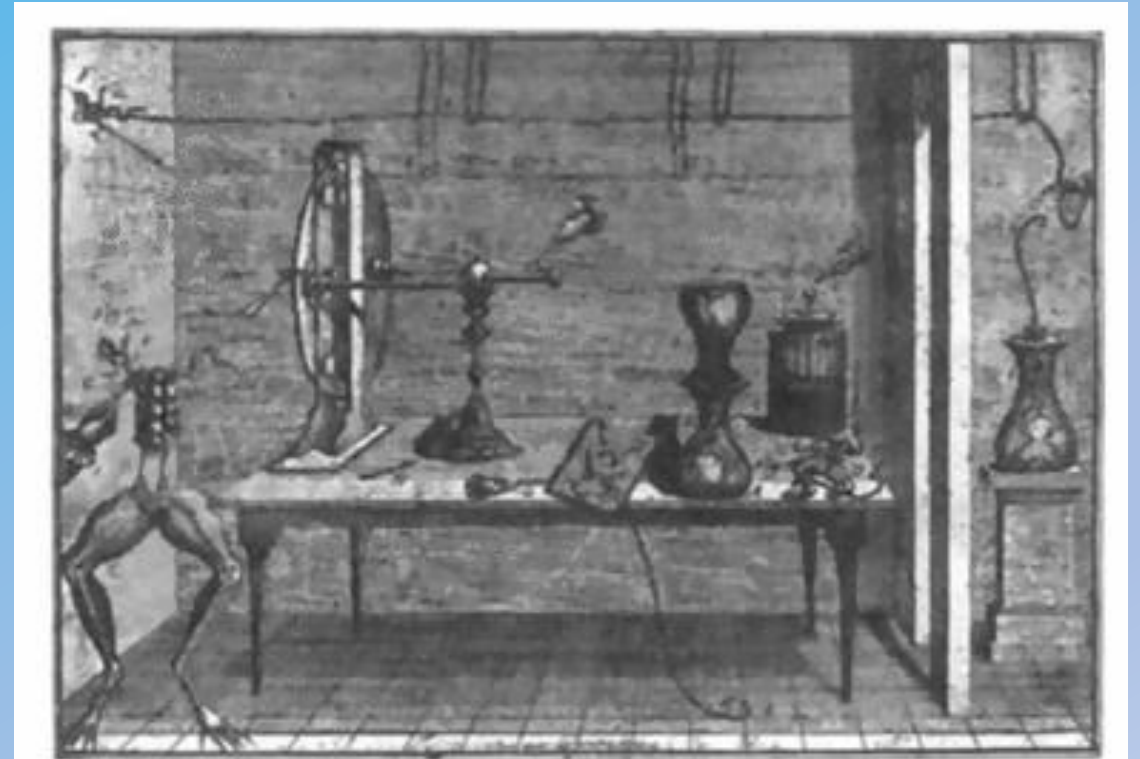


Renee Descartes, early 1600's: all life was mechanical in nature, machine with an animating spirit, like a wind or a subtle flame, located within the nervous system.

Isaac Newton end of 1600's: all pervading aether "filling the universe and all material bodies therein, suggested that it may be Descartes' vital principle, flowing through the nerves and producing the complex functions called life."

The battleground....

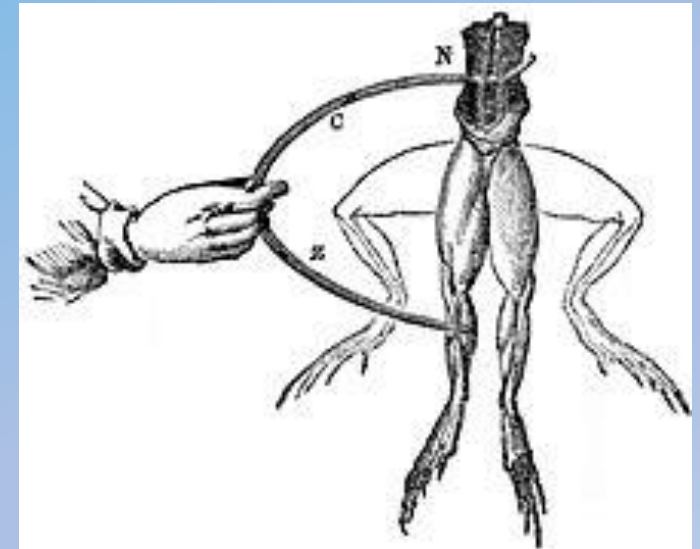
- Volta determined that steady state continuous electricity was created by dissimilar metals and that there was **no electricity in the body**. In contrast to:
- Galvani first to observe the frogs leg muscle response to applied electric current. “Animal electricity”. Also, **observed the creation of current from injured tissue**.
- When France was occupiedGalvani lost his job, home and fortune (died 1798) while Volta received awards and medals from no less than Napoleon (postulate 4).

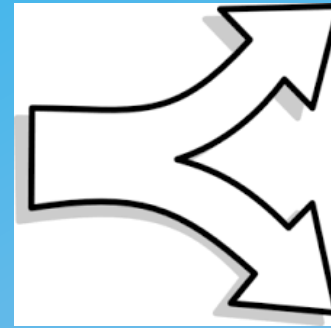


The provings and interpretations

- A mining engineer, Humboldt made measurements in 1797 and determined that Galvani and Volta were BOTH right and wrong.
- Hans Christian Oersted, Copenhagen, 1820 discovered that a circular magnetic field is created around running current.
- Jean Baptiste-Biot a French physicist in 1818 discovered the Living tissue reflex

Carlos Matteucci 1830's using Nobeli's galvanometer was able to measure the production of continuous (direct) current by injured tissue, and that by stacking tissue could increase it like bimetallic stacks.





The Big Divergence

- Dubois-Reymond, 1850's: 'electric molecules' related to membrane potential, nerve conductance, action and resting potential, & the 'injury currents of Matteucci'.
- Von Helmholtz and Julius Bernstein: 1868 measured rate of nerve conductance 30 M/s; theory of membrane potential and ion transfer.

“Now all of life from its creation, through its evolution, to its present state was explicable in terms of chemistry and physics. As von Helmholtz put it: “no other forces than the common physical-chemical ones are active within the organism. Life began as a chance aggregation of molecules in some long ago, warm sea and evolved into complex physical-chemical machines, nothing more.”

As the mechanical view of life took hold, fostered by the emergence of the Industrial Revolution, the vitalistic view not only diverged but submerged, no place more so than in the USA.



Lineages of Resonance therapy

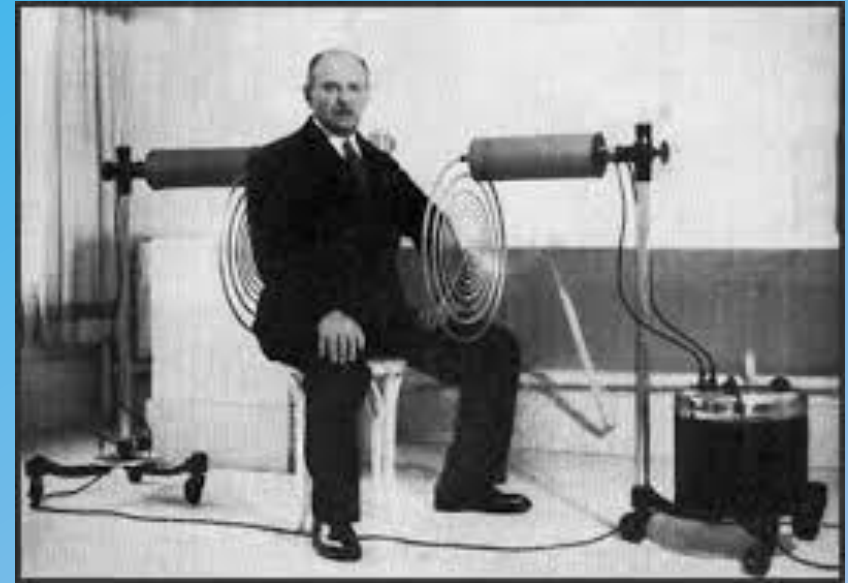
- Cranial osteopathy: primary respiration Stills, Sutherland
- Electro-therapeutics
 - Radionics: Abrams, Lakhovsky, Drowns, Rife, Clark...Boehm
 - Microcurrent/Electro-acupuncture: Voll, McWilliams, Van Gelder, Wing, Douglas, McMakin
- Homeopathy; (Hahneman, Viltoulkas)
- Acupuncture; TCM Principles
- Energy healing: Mesmer, Krieger (Therapeutic Touch), Reiki.....

The Quiet Explosion, the Abrams lineage

Albert Abraham, MD born 1863 in San Francisco died 1924. Educated at the University of Heidelberg, medical professor at Stanford University

- During his time only certain elements were thought to radiate energy, but...
- Discovered that ALL BIOLOGICAL TISSUES have weak energy emanations; at that time assumed to be electromagnetic radiation.
 - (postulate 3)
- The healing principle: if you match the vibratory rate of an object, whether by chemical, pigment, ray of light, electric current or other, this object (disease, virus...) can be destroyed. Eg shattering of crystal.

Simultaneous Invention across the globe...



George Lakhovsky, Russian engineer who moved to France (1869) postulated that ALL LIVING CELLS RADIATE AND RECEIVE SIGNALS via oscillating circuits. In **1929** published *The Secret of Life* in French; high frequencies emitted by pathogens can be repelled by supportive frequencies either from within or externally . Developed a multiple wave oscillator.

- His discoveries would have died if not for Bob Beck who had the book translated and published in England in 1939
 - (postulate 5)

Ruth Drown, DC



Ruth Drown, DC born 1892-1963 in Colorado, expanded upon Abrams by developing new instruments; replacing the muscle reflex of the abdomen with the rubber “stick pad”, adding additional potentiometers allowed an increase in range of diagnoses and treatments.

- Determined by AMA to be a quack, vilified and imprisoned.

Hulda Regehr Clark

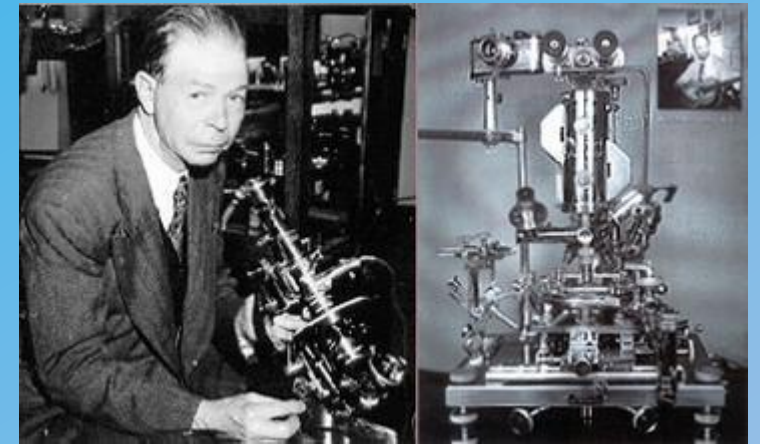
1928-2009



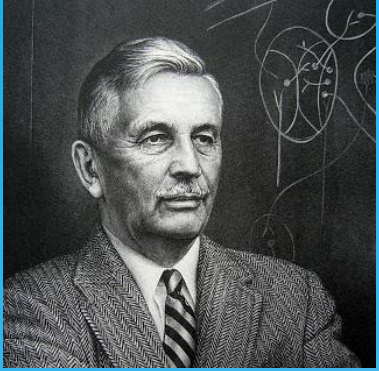
- Canadian born naturopath who studied biophysics and cell physiology.
- Held the belief (like Rife and many others) that all disease, including cancer was caused by pathogens and toxins.
- She developed an oscillating circuit with external audio: Synchrometer; matching external circuit with the pathogen until resonant frequencies match, which would then eliminate the pathogen through matched resonance.
- Clark was pursued by state and federal authorities but never convicted.

Contributions and the Strife of Rife

- Royal Raymond Rife 1888-1971
- The extraordinary microscopes he developed allowed him to observe light radiating from pathogens when hit with their unique resonant frequency.
- Developed concept of amplifying this frequency to terminate them; MOR Mortal oscillatory rate
- 1934 landmark cancer study 16/16 terminal patients all improved
- Classic and tragic example of postulate 4,



Contributions of Field Theory



- Harold Saxton Burr: Yale neuroanatomist in the 1940's postulated the field acts as a template for matter (surrounding salamanders) called them morphogenic. Changes in the field preceded changes in cell differentiation



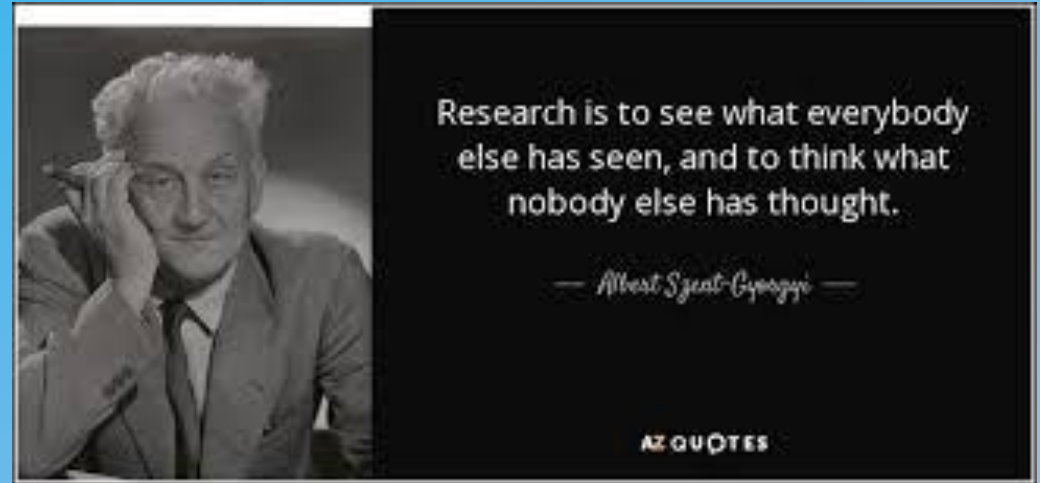
- Robert Becker; 1923-2008 *The Body Electric* 1985. Focus on limb regeneration in salamanders, intrinsic electrical properties of biological systems and applying this understanding to bone healing in humans.
- Rupert Sheldrake: *A New Science of Life* 1981. Morphogenic resonance fields “work by imposing patterns on otherwise random or indeterminate patterns of activity”; they evolve, and contribute to instinctive memory.
- Lynn McTaggart *The Field*; making science accessible



Albert Szent-Györgyi

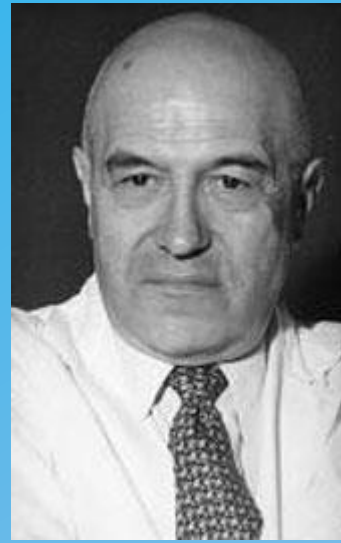
1893-1986

Hungarian



- Koranyi Memorial lecture 1941 introduced the concept that semi-conduction is a critical aspect of biological life
- Laid the foundation for the Krebs's cycle; it's role with ATP in muscle contraction.
- Quantum biology: beyond chemistry describing biological processes in the context of structured water and electromagnetic field. 1956 article in Science
- Proposed that collagen tissues have semi-conduction qualities:
 - Ubiquitous throughout the body

Paul Nogier, MD



- French neurologist who in the 1950's developed the VAS vascular autonomic response.
- Used the VAS while aiming a frequency generator at different parts of the body and came up with 7 frequencies that related to embryological development and which he observed had healing effects and could reharmonize the whole body.
- <http://www.thelightlinks.info/nogier-frequencies.php> for further information

James Oschman, PhD

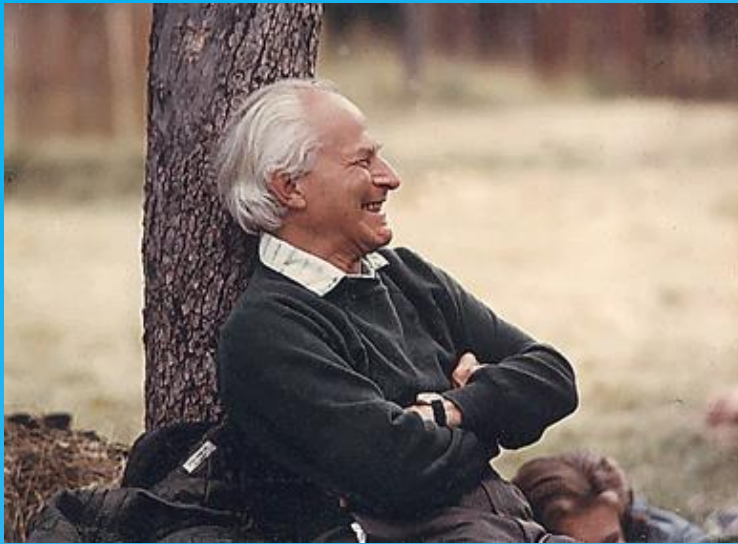


- Has successfully developed and communicated a framework for applying concepts of quantum physics to explain biological processes.
- Understanding of the Living Matrix, how the collagenous ground substance functions as a semi-conducting energy reservoir and (faster than) the speed of light communication system.
- Theory applied to non-physical healing systems and acupuncture.
- Well documented, international scope of study.

Frequency Specific Microcurrent; clear derivation difficult to ascertain but....



- In 1950's Reinhardt Voll, MD German doctor developed Electro-Acupuncture according to Voll (EAV) and auricular (ear) acupuncture.
- Simultaneously Yosio Nakatani discovered ryodoraku="good electrical pathway", coincided with meridian system and point applications of microcurrent.
- Charles McWilliams was mentored by Dr. Voll, developed EACu for Charles
- 1976 to 1985 Thomas Wing, DC; series of lectures on applied electro-acupuncture and auricotherapy or ear acupuncture



The Renaissance....

- Harry Van Gelder, DO born in Indonesia 1905 of Dutch parents. Studied osteopathy, physiotherapy, naturopathy, and Ayurvedic, was a Theosophist
- Bought an osteopathic practice in Vancouver, BC, in late 1940's, came with a dual channel electro-therapy machine. He learned to use it, combined with other treatments with good success. After a hiatus in Australia he returned to the US opened a clinic in Ojai, CA. This is where George Douglas, DC was introduced to the technology in 1980's.
- Carol McMakin, DC met Dr. Douglas as a 3rd year chiropractic student in 1991. A year later he bought a Precision Distributing 'blue box'....and the rest as they say is history.

The Ground We Stand On!



- Carol has been a tireless, single-minded force of research, experimentation, questing for knowledge and a framework within which to understand the work.
- Landmark educational expansion around the world of FSM: courses, books, research articles...Wikipedia!
- Grounded in science, a voice of reason and caution, an outstanding guide.