

Infinite Mind: Science of the Human Vibrations of Consciousness by Valerie Hunt Malibu Publishing Co, PO Box 4234, Malibu California 90265, 1996.

Health as an Active Flow of Information (on the Edge of Chaos) It is speculated that health is an active flow of complex information within the body, while illness is a breakdown of that flow.

In studies by Dr Valerie Hunt of UCLA, Three seconds of high frequency electromyographic data from human muscle was cross plotted with itself with one frame delay to form a strange attractor phase plane. The ovoid phase plane plot has undulating "crinkles" superimposed in it which reflects subtle organization, great complexity, and therefore great information content, at the "Edge of Chaos". Dr. Hunt stresses the importance of these complex, information rich signals for human health

This could explain why scientists have discovered that what appears to be chaotic behavior in the heart or brain is characteristic of health, whereas simple regular heartbeats, for example, presage a heart attack.

#### EMG Subharmonics of Chakra Subtle Energy

A study conducted by Dr. Valerie Hunt, at UCLA, used an electromyogram (EMG) to measure energy variations at the skin surface adjacent to the traditional chakra locations. The EMG, normally used to measure the electrical potential of muscles, recorded signals from this study in the range of 100 to 1600 hz. Normal brain wave frequency is between 0 and 100 cycles per second (hz); muscle frequency reaches about 225 hz; and the heart up to 250 hz. Because of the much higher frequency, these signals, although observed by other researchers, had been assumed to be noise and for that reason disregarded.

The original study was conducted to assess the energetic results of a physical manipulation technique called rolfing on the subjects. Psychics observed the subject's aura at the same time the chakras were being electronically monitored.

Data recordings showed that specific time domain waveform amplitude and shape were consistently associated with aura readers calls of aura intensity and color: red, orange, yellow, green, blue, purple, and white. A Fourier transform of waveforms from the time into the frequency domain showed a frequency/color sequence different from visible light, and at a much lower frequency than light. Further, auric white is associated with higher EMG frequency than other auric colors, while the frequency of white light is an average of the visible light colors.

Dr. Hunt has conjectured that the high frequency (1100 hz) level is a subharmonic of an original frequency signal which is in a range of thousands of hz: a subharmonic of the chakra's subtle energy.

Health as an Active Flow of Information  
strange attractor  
electromyogram (EMG)  
Edge of Chaos

chakras  
Fourier transform  
subtle energy.  
Aura  
Aura readers  
Rolfing

## NOTES FROM BOOK

Emilie Conrad Daoud  
V Rosalyn Bruyere  
V Barbara Ann Brenner  
Bioenergy Fields Foundation (no longer operating)  
Iris Schirmer  
Robert Quaid  
Darrel Felkner  
Chris Hegarity

Casaundra Franker The Purple Iris Press last ref 1995  
Casaundra Franker no web ref  
The Purple Iris Press last ref 1993

**V Hunt: INFINMND:** Taught at Columbia U, U of Iowa, and UCLA where she studied skilled and pathological muscular activity, movement behavior, and neuromuscular patterns of emotion. P. 10. Hunt's lab at UCLA was the first to study extremely high frequency (EHF) electrical fields in the human body. Dr. Hunt found that the human energy field may respond to external stimulation before the body is aware of it, and can reflect illness before it appears in the body. Energy field size decreases with exposure to positive ions, and increases with exposure to negative ions. Data recordings showed that specific time domain waveforms were consistently associated with aura readers calls of specific colors: Blue, yellow, green, orange, purple, and white. Three seconds of electromyographic data from human muscle cross plotted with it self with one frame delay to form a strange attractor bearing her name: The Hunt attractor. The ovoid phase plane has undulating "crinkles" superimposed on it which suggests subtly organization, great complexity, and therefore great information content, at the "Edge of Chaos." She is an advocate of the concept that health is an active flow of complex information within the body, while illness is a breakdown of that flow. See "Infinite Mind: Science of the Human Vibrations of Consciousness".

V We are aware that INFINMND: **connective tissue** has piezoelectric capacities, where stretching enhances the electrical capacity. P 12

**V Chakras INFINMND:** Wheel like vortices of energy over nerve plexes and endocrine centers of the body and pineal gland, connected to the meridians and acupuncture points. Numerous researchers have shown elevate electrical readings from these locations. Hunt used bipolar surface sensors on the skin over the chakras. If the chakras all had a similar amplitude and frequency they were coherent or synchronous. If grossly different they were out of synch or anti-coherent. The measure of anti-coherence between the chakras was associated with physical and emotional dysfunction or disease. P. 34. As the student went through the healing procedure, aura readings were synchronized with the instrument readings, which showed

energy moving up the legs into the heart and then up to the top of the head. P. 16. The general pattern of ELF chakras (generally chakras 1, 2, and 3) is similar for all people; while the EHF of chakras reveals a personal emotional patterning. A grounded state in material reality shows frequencies of 350-600 hz. Altered states can reach as high as 200,000 hz.. p. 111

Hunt visited a pain control clinic in Kyoto Japan, where she witnessed a woman with steam burns on her arms be treated with tin foil around each arm, to which was attached a wire leading to an acupuncture needle inserted into an acupuncture point on the opposite leg. Pain was stopped and healing facilitated. P. 17

The first equipment was a

**V HEF sensing unit INFINMND:** A wireless radio telemetry unit was used: sensors on various parts of the body detect electrical activity on the skin surface which is transmitted by wire to a radio transmitter on a belt around the subject. From there the electrical signal was transmitted on FM radio frequency carrier to a radio receiver in the lab. P. 18. Typical hardwired equipment used for EEG, EKG, and EMG, did not pick up the entire millivoltage signal.

### **V Frequency range of biosignals**

INFINMND: Traditional values: Brain waves are recorded by EEG and range from 0 to 20 hz; heart, measured by EKG generates stronger waves with frequencies up to 225 hz; muscle, measured by EMG frequencies between 0 and 250 hz; each muscle group with a built in frequency. The HEF, or aura, seems to be steady (DC) (or maybe just so hi in freq that it looks like SS) Biosignals using telemetry: On every recording of muscle areas, there is a residual resting baseline of activity. This has generally been regarded as a rough indicator of muscle tension, and thus not important. Yet Hunt observes that after rolfing, this baseline was stronger, while a manual tension test showed that subjects were more relaxed. When this baseline data was filtered to remove brain, heart, and muscle frequencies (0 to 250 hz), There is a void between 250 to 450 or 500 hz, but from 500 to 20000 hz, the frequency data was continuous, the telemetry instrument was not able to record beyond 20000 hz. All electrical activity, including that of the HEF (auric field), was present in all telemeter recordings. Energy field patterns seem to be related to streams of consciousness. When a person's field reached higher vibrational states, he no longer experienced material things such as bodies and ego states, or the physical world. He experienced knowing, higher information, transcendental ideas, insight about reality, and creativity.. the consistently highest vibrations were recorded from people who were accepted "seers" p. 93

P. 21, 22.

Each individual shows a unique pattern of amplitude and frequencies in the chakras and in the synchrony between the chakras.

The heart and crown chakras were consistently most active in anxious subjects. P. 25

Subjects reported numerous emotional experiences on being

**V rolfed.** This supports

**V Wilhelm Reich's** INFINMND believed that memory is stored in body tissues.

When imagery or spontaneous images occurred, there was a strong cyclic energy shift back and forth between the throat and third eye. These chakras are associated with psychic and creative energy, and makes us speculate about the role of chakras in human memory.  
Auras seen about rolfer's hands.

INFINMND: During the

V **Santa Ana winds**, which rush down the mountains with strong **positive ions**, the HEF becomes small. After days of these winds, people become irritable and sometimes ill. The aura expanded when the person was in the mountains or near the sea.

### V **HEF evidence**

INFINMND: comes from wave shape analysis, Fourier frequency analysis, and frequency spectrogram. These recordings co-related precisely with colors observed by experienced aura readers. Testing was done on subjects response to rolfing over a 20 year period by 8 experienced aura readers. They agreed on primary and secondary colors, but some readings varied in color among the readers. Hunt et al observed that **before EEG, EKG, or EMG was activated, the auric field had already responded. Changes in the aura preceded changes in blood pressure, GSR, heart rate and muscle contraction. This led them to postulate that a person's primary response in his world takes place first in the auric field.** P. 25.

### V **HEF colors**

INFINMND: Primary (red, blue, and yellow) colors could be distinguished by strikingly different wave shapes; while orange, green and violet appeared to be combinations of two primary shapes. Healers who specialized in treating pain and hypertension had strong blue white violet fields; those who specialized in treating hypo diseases or weak tissues and functions, had a strong red orange amber field; Red was predominant in those who regenerated muscle, bone, and nerves. A green yellow field was most effective with nerve disorders such as Bell's palsy or cerebral palsy. People with barrier illnesses such as multiple sclerosis or Lou Gehrig's disease and scleroderma, had such rigid fields that they were unable to receive energy from most healers. Hunt realized that a transaction between the two fields was essential to hasten healing. P. 28

Sometimes the auric field responded to a stimulus when it was too weak to activate the nervous system.

Their research led them to believe that a field transaction did not result from activity of the 5 senses, but from interaction of the biological (HEF) with the atmospheric fields. P. 29

### V **Effect of removing ambient EM fields**

INFINMND: Tests were conducted in the Mu room of the physics department at UCLA. The character of the EM field in the Mu room could be changed.

INFINMND: When the electrical aspects of the atmosphere in the room was withdrawn, the auric fields became randomly disorganized; scattered and incoherent. Sensory feedback was so impaired that subjects were totally unaware of their location of their bodies in space. Aura readers described energy as no longer flowing, but rather as jumping between people and

chakras. Inside the body, aura readers saw energy flowing in an extensive mesh network p. 30 Like a fishnet that did not correspond with meridian pathways. Hunt et al believed it was flowing through the **connective tissue**. Connective tissue is also known to conduct electricity “although it is unknown what that energy is.” P. 31. The aura readers found it easy to look inside the body when the auric field was missing. **The subjects often burst into tears and sobbed.** When the electrical (EM) field of the room was increased beyond normal, the auric fields were restored and thinking became cleared.

If the electrical aspect remained normal but magnetism was decreased, gross lack of coordination occurred. The neurological mechanism was thrown off; subjects could not balance; found it difficult to touch their fingers to their nose. Increasing magnetic component restored motor coordination.

Apparently the whole process of movement and coordination is related to interaction with the ambient EM field; not just gravity.

The literature states that external EM energy penetrates the body through acupuncture points and flows through the meridians into the whole field. We have discovered that it flows through the connective tissue. A rich EM field must be present.

Out of necessity they continued to use power spectral density and frequency spectrograms, despite the fact that these would strip away the irregular seemingly unpredictable qualities.

Complex data looks random, yet when plotted on a phase plane, the orderly pattern, called a chaos attractor (strange attractor) rapidly appears. Meteorologist Lorenz, using fractal geometry to analyze 40 years of weather data, discovered an ordered pattern within the seemingly disorder of the data.

## **V Strange attractors**

INFINMND: Using raw data from the energy field experiments,

**V Allen Garfinkle**, an established fractal mathematician, obtained a perfect dynamic chaos order. The Hunt Attractor; compare with the **Rosler attractor** and the Lorenz attractor. The Hunt attractor, containing 3 seconds of HEF data is much richer in detail than the Lorenz attractor, with 40 years of data.

Attractors have been found for brain wave and heart data, but these require hours, or even days of data. 3 seconds of heart or brain data generated a straight line, meaning frequency did not vary.

This means that by manipulating the HEF, we can refine and encourage coherency in all tissues and biological systems. This approach could produce results more rapidly and dramatically than could any other known medical, psychiatric, or educational approach. Through this attractor, we will be able to find definable patterns in diseases, and in emotional and functional disorders. P. 36.

First chaos theory, then....

V “It was **the Santa Fe Institute** which first articulated a unified theory of living things. They called it **complexity theory**.”

p. 50.

Is this true: ???

“We know that every part of an organized field is a hologram where each part contains the pattern of the whole.”

### **V Fractals vs holograms INFINMND:**

Fractals are analogous to holograms, but I'm not sure they are the same. INFINMND: “**The chaos concept further elaborates a hologram to show that although each part is alike, there will be slight differences in the whole over time.**” “**The hologram is a more spatial pattern, whereas chaos is a process containing both time and space**”.

p. 50-51.

V “**David Bohm stresses that the hologram is a starting point for a new description of reality.**

**The HEF does not merely react or interact; it transacts because it dynamically makes choices.**

**So far, experts have not clarified the interface between complexity and chaos.**

**V Stuart Kauffman, MD, and complexity theorist, believes complexity is not a point, but rather a spectrum, and that chaos is a subset of complexity, between order and randomness.**

**“Using the fractal formula, Rossler generated the first computer model of chaos, where every part of order was slightly different.**

There broad phases: ordered, chaotic, random

**INFINMND: The Santa Fe group places specific emphasis on the phase they call “**

**V the edge of chaos”** Hunt defines a “**ridge of chaos**”; beyond this ridge is not sudden randomness, but a gradual disintegration into randomness. P. 54

**“As living systems transact through their attractors, they build a complex repertoire of vibrations, which results in memory.”** Sounds like speculation to me.

**INFINMND: Jahn and Dunne, in “Margins of Reality: The Role of Consciousness in the Physical World” presume that the sole substance of any reality is information. Functionally, V information is any stimuli that consciousness is capable of sensing and reacting to. Some physicists are trying to recast quantum physics in terms of information theory.**

**Eddington: INFINMND: The symbolic nature of physics is now formulated in such a way as to make it almost self evident that it is a partial aspect of something wider.”**

V **Scientists with a metaphysical bent:** Bohm, Einstein, Heisenberg, Penfield, Eccles, Eddington, Schroedinger. FFG physicists.

V Pribram,

V **Bob Beck**

**INFINMND: Experimental physicist** that developed sensitive instruments that he used to record brain waves of proven psychics. He founds that their brain waves during their mystic state was 7.8 Hz, the same frequency as the Schumann resonance. P. 63

V Are geographic power centers, such as Stonehenge, Delphi, etc, sources of high strength schumann resonance?

New frequency generators show promise for treating disease. Tumbling water releases negative ions.

Plant consciousness and communication: when particular insects begin to massively destroy one type of tree, other tree species become immune before they are attacked. They develop a chemical that expels the insects.

V **W. Ross Adey INFINMND:** of Loma Linda U in CA, INFINMND: said that EM may cause static in electrical broadcasts from one cell to another.

V Pendulum

INFINMND: to test chakras. Exhibits circle or ellipse, showing field motion; except only back and forth in the case of functional disturbance. P. 70.

According to the Mayans, the end of the Mayan calendar, 2011, is the end of the 5<sup>th</sup> age of man, the age of the intellect, and the beginning of the age of the Gods p. 79.

V **Wilder Penfield INFINMND:** Author of *Mysteries of the Mind*, found that during anaesthesia the human mind continued to work in spite of brain inactivity. Brain waves were found to be nearly absent, while after coming out of the anaesthetic, the patient recalled even minor details about the surgery. Since Penfield's work, other researchers have discovered total and acute awareness in comatose patients. He also discovered that while the brain is predictable; stimulated brain cells give consistent responses: the mind is totally unpredictable. He concluded that "it is the mind which experiences, and the brain which records the experience.

P 84-85.

V **Sir John Eccles**

INFINMND: After listening for many years to the higher nervous system's Morse code like sounds, he was convinced that this was not the location of consciousness. The unity of conscious experience comes from a self-conscious mind, not from a neuronal mechanism of a neocortex. He ended a series of lectures at Harvard by admitting that evolutionary processes could account for the brain, but that only something transcendent could explain consciousness and thought. P. 90.

V **Out of body experiences** became common; the person's body frequency rose higher as energy in their feet and legs decreased, and energy in the crown increased.

Current ideas about the psychology of emotion need to be re-evaluated. P 105

V **Repressed emotions** INFINMND: create huge gaps in the frequency spectra; "chakra blocks" In these areas the power of the EM vibrations is increased or decreased in body areas associated with emotional trauma.

V Past lives; p. 113 f.

Marine research shows that dolphins and sharks respond to frequencies up to 200,000 Hz, the same range Hunt recorded from human fields. P. 151.

Emotion is an energetic phenomena, first in the field; then in the body and awareness.

When we clearly understand hallucinations, Hunt suspects we will discover that they play an intermediate role between normal sense perception and mystical knowing.

## GOTTOHERE

V INFINMND: Hunt's "**lifehoods**" is another term for **reincarnation** that de-emphasizes the space-time domain of the physical body, and emphasizes the existence of the soul. P. 203.

Comment in JAMA: we now have "on record a large amount of data that cannot be ignored" which is "difficult to understand on any other grounds but reincarnation." P. 205.

V Believers in reincarnation: INFINMND: Pythagoras, thought to come from his studies in Egypt; Plato, recorded in his Phaedo. He believed innate ideas were inherited experiences from other lives. Socrates and Aristotle, students of Pythagoras and Plato, also professed the immortality of the soul. Tolstoy; Francis Bacon; Sir Walter Scott; Charles Dickens; Oscar Wilde, Rudyard Kipling, Ralph Waldo Emerson; Walt Whitman, Thomas Edison all accepted reincarnation. P. 211.

INFINMND: VERNY in "The Secret Life of the Unborn Child" , and past life regression indicated that the soul generally entered the fetus around the third month. P. 211.

Vv Ian Stevenson.

Common factor in reincarnation doctrines: to evolve to the highest level of human capacity. P. 213

V Ken Wilber: INFINMND: According to Wilber, the material realm is the least fundamental, with less reality than life, mind, or spirit. P. 214

V George Meek p. 222  
INFINMND:



## INFINMND

**V Olga Worrall** was shocked to find what was happening to people as a result of readings about past lives. She met dozens of St Paul's; St John's, and mothers of Christ. They were causing breakdowns in many families.

Each individual must discover his own lifeworlds. P. 222.

### INFINMND:

**V Franz Friedrich Anton Mesmer 1734- 185:** A German physician with an interest in astronomy who theorized that there was a natural energetic transference that occurred between all animated and inanimate objects.

Mesmer's ideas were brought to the US by Phineas P. Quimby, who developed a technique called the Science of Health and Happiness. **Mary Baker Eddy**, one of his patients, founded Christian Science. P. 235

### **V homeopathy**

INFINMND: Since the early 1800s, homeopathy was practiced in Europe, India, Pakistan and Sri Lanka. A double blind study at the Research Institute of Glasgow in 1963 found that homeopathic remedies were significantly more effective than placebo in treating allergies.

Brain-Mind Bulletin Dec 29 1986 discussed the mechanism of homeopathy. P. 238 f.

Benveniste p. 239

### **Magnetic energy**

INFINMND: In lab tests, Hunt found that an increase in magnetic energy preceded a change in consciousness, emotion, or any dramatic change in electrical energy. INFINMND: Becker found that at the location of an injury, magnetic energy increased.

**V Robert Becker INFINMND's** studies give extensive evidence that healing occurs through changes in the EM field. P 240.

**V Candice Pert**, INFINMND: while at the National Institute of Health, reported that when neuropeptides connected to brain cells were stimulated, remote neuropeptides on cells in distant body areas responded faster than the nervous or circulatory systems would allow. P. 249. Many body workers insist that all cells have emotional memory. But cells die and are replaced with new cells. Pert believes that subconsciousness is deep down in the peptides of every cell. P. 250. Hunt believes Pert's work shows that neuropeptides are the interface between the mind

field (aura) and the bio healing process. Earnest Rossi believes “neuropeptides ... are a previously unrecognized form of information transduction between mind and body...”

V Delgado p. 254

**V Prayer**

INFINMND: Double blind study on the effect of prayer on patients in the Coronary Care unit showed positive effects for prayer.

“Mother Teresa Effect” discovered by psychologist David McClelland: when Harvard students watchd a BBC documentary on this nun, their immune system produced more immunoglobulin A, an antibody which fights colds. This was independent of the student’s attitude towards the film. P. 266.

**V John Kitkoski:** INFINMND: analyzed patterns of minerals, vitamins, and blood proteins. He then cured animals, then humans, by balancing blood chemistry. His organization is Life Balances in Spokane WA., and has prepared manuals and training sessions.