

Resonance and the Conductor:
Rhythm, melody, and harmony
in the zero point field

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1. Introduction

In many people, the word Homeopathy conjures images of some strange mysterious science that cannot be fully explained/proven yet has an undeniable effect on many people seeking relief from their ailing predispositions. The success and rise of Homeopathy in the late 1700's, pioneered by German Dr Samuel Hahnemann, provided people with a safe and effective treatment for disease and injury as well as provide them with emotional and mental balance/relief, without side FX. The fall of Homeopathy in the 1800's, led by the medical association, did much damage to it's image and potential development at the time. However, Hahnemann had opened a Pandora's Box of possibilities that would have impressed free thinking scholars such as Aristotle, Pythagoras, Hippocrates and other great benevolent inquiring minds of antiquity.

So what did Hahnemann achieve that provided a golden insight into treating a sick person? "Similia Similibus Currentur" or Likes cures like. This was the elegant philosophy that he put forward to be used as a guiding principle to find a cure for a sickness. Fundamental to this was the concept of The Vital Force. An unseen force which is structured, intelligent, seeks and maintains a natural order of homeostasis for our physical, emotional and mental well-being. The fact that the vital force cannot be seen and yet influence our body was a strange concept back in the 1790's and even stranger to today's conventional scientist but perhaps not so strange when we look at developments in today's quantum world.

This paper will discuss The Vital Force from a homeopathic perspective. In order to do this we must first start in the ancient world where we can find the inspiration for what Hahnemann developed and designed into a science that was perhaps ahead of it's time. These developments will then be contrasted with new theories of our current times (2007) that may offer support to the existence of The Vital Force that has been central to Naturopathic Philosophy and other healing modalities.

Vital Force

Origins of the term Vital Force can be found in the naturopathic principle which Hippocrates so elegantly stated: Vis Medicatrix Nature, meaning the healing power of nature. This would imply that nature has 'power' to maintain and 'heal' by restoring equilibrium and maintain balance for beings at disease with their environment. Another definition may be:

" Animates the body, balances it's functions (=homeostasis)
so our mind can use the body for the higher purposes of our existence." [9]

In order for this Vital Force to affect and maintain our health and wellbeing then it must operate/communicate to our five senses: touch, taste, smell, visual, auditory, and through the three/four planes of existence (that we know about): physical, emotional, mental/spiritual. When a disturbance in this field is experienced then a person becomes sick because the vital force is overwhelmed by the negative force of the stressor. [9] "Only the vital force produces objective or subjective symptoms, not the stressor, apart from mechanical injuries." This unseen, dynamic, spirit like force can only be perceived by the symptoms it displays and only energetic medicines can restore it to health. [9] So if we are influenced by this unseen vital force that causes physical symptoms in our bodies then can we do the opposite and actually influence it, the vital force, from a homeopathic perspective with remedies, repertories and materia medicas for healing?

The Law of Similars

In order to better understand the Vital force from a homeopathic perspective, we must firstly look at developments occurring in medicine in the 1700's with the father of Homeopathy, Samuel Hahnemann. Christian Friedrich Samuel Hahnemann (1755 - 1843) was a German physician who founded homoeopathic medicine. [1] Hahnemann began practicing medicine in 1781 and soon after became married to Johanna Henriette Kuchler, with whom he had 11 children. [2]

Using the medical treatments available to a doctor in the 1780's such as purgatives, bleeding, blistering plasters, herbal preparations and emetics [3], Hahnemann found that he was not only "achieving a healing response in many of his patients, but in some cases causing greater damage to the health of the patient through the toxic effects of some of the medicines, than the disease, if left untreated, would have caused".[2] This dilemma of causing harm to his patients with conventional medical treatments started his journey on the path of research, writing medical publications, and discovering Homeopathy with its principles and governing unseen Vital Force.

Hahnemann wrote three major publications:

1. *Materia Medica Pura* – Hahnemann's translation into German
2. *Organon of the Medical Art* - published in six volumes
3. *Chronic Diseases* (1828)

While translating William Cullen's *A Treatise on the Materia Medica* Hahnemann postulated the fundamental law of cure known as "Similia Similibus Curentur", "Like Cures Like". Hahnemann stated "that which can produce a set of symptoms in a healthy individual, can treat a sick individual who is manifesting a similar set of symptoms." [1] This then gave rise to the term "homoeopathy" to describe this approach to healing, deriving it from the Greek: homos (same) + pathos (suffering). Hahnemann had postulated the first principle of homeopathy, like cures like, and began to test, prove and document the effects of various substances and dilutions/dosages to heal diseases. This research was compiled into the *Organon of the Medical Art*.

3. The Organon

Hahnemann first published his *Organon of Rational Medicine* in 1810. The Vital force is referred to in aphorism's 9-11 as follows:

Organon aphorism §9

In the healthy condition of man, the spiritual vital force (autocracy), the dynamis that animates the material body (organism), rules with unbounded sway, and retains all the parts of the organism in admirable, harmonious, vital operation, as regards both sensations and functions, so that our indwelling, reason-gifted mind can freely employ this living, healthy instrument for the higher purposes of our existence. [4]

The above aphorism may suggest that the vital force governs and maintains dynamic homeostasis of vital body systems in healthy people.

Organon aphorism §10

The material organism, without the vital force, is capable of no sensation, no function, no self preservation ; it derives all sensation and performs all the functions of life solely by means of the immaterial being (the vital principle) which animates the material organism in health and in disease. [4]

This aphorism refers to an unseen force that is necessary for material life to be animated, function and survive

Organon aphorism §11

When a person falls ill, it is only this spiritual, self-acting (automatic) vital force, everywhere present in his organism, that is primarily deranged by the dynamic influence (Materia peccans!) upon it of a morbid agent inimical to life; it is only the vital principle, deranged to such an abnormal state, that can furnish the organism with its disagreeable sensations, and incline it to the irregular processes which we call disease; for, as a power invisible in itself, and only cognizable by its effects on the organism, its morbid derangement only makes itself known by the manifestation of disease in the sensations and functions of those parts of the organism exposed to the senses of the observer and physician, that is, by morbid symptoms, and in no other way can it make itself known. [4]

This aphorism implies that physical symptoms of illness/disease are a result of a disturbances ('derangement') of/in the vital force.

So what is an Organon?

Organon (lat. organum: Instrument) is a Greek word by its origin and literary means "implement, musical instrument, organ of the body" or "a tool" but in the new English lexis it has the meaning of "an instrument for acquiring knowledge; specifically: a body of principles of scientific or philosophic investigation". In this sense we can simplify the semantics of ORGANON merely to: 1. A method of scientific investigation, 2. An instrument of thoughts, 3. A system of logic, 4. Literary work.[5]

The **Organon** is also the name given to the standard collection of six of his works on logic by Aristotle. The works are *Categories*, *Prior Analytics*, *De Interpretatione*, *Posterior Analytics*, *Sophistical Refutations*, and *Topics*.[6]

About 200 years before Aristotle, "Pythagoras taught about the "music of the spheres" and life, as different frequencies that may be harmonious and dissonant. This "music" has its "scales and tones" that make up different frequencies of vibration in the cosmic pneuma, the universal vital force." [13] Pythagoras also "spoke of health as harmonious tone of the pneumatic vital forces and disease as a mistuning of this life power." [13]

The Zero Point Field

In her book, *The Field*, Lynne McTaggart describes an omni present energy that surrounds our bodies and everything in the universe. This energy is freely available to us and we are manifestations of this energy field – the Zero Point Field – that dynamically connects everything in the universe. "A vast dynamic cobweb of energy exchange." [10] Herself a journalist, McTaggart presents her research from studying advancements made by various "frontier" scientist around the world that are producing 'extraordinary' evidence to show that this "field", connecting us all and the universe, exists. Of particular note in her book was research conducted at Princeton University in the effects peoples thoughts can have on their environment, particularly with controlling the outcome of machines and other people. Some concepts in the book are difficult to grasp on the first read, particularly the path of the electron. For it is in the quantum world of sub-atomic energies and particles that conventional science is challenged.

The notion that the same electron particle can be in two different places at the same time defies science as we know it but it may be the path of the electron that we can follow to explore to get a better picture of what this zero point field really looks/acts like. This is where we enter the world of light, photons and wavelengths occupying infinitesimal space in time to create 3D-holographic images using the energy of "The Zero Point Field". McTaggart goes on to talk about non localized thoughts and how perhaps all thoughts are not contained within the human physical brain as we know but are actually stored in the field by/where the object that created that thought, and we have a mechanism to access the thought via the zero point field. McTaggart goes on to state that all of the history of humanity, the earth and the universe is stored in this field, encoded, and able to be accessed as energy. Strangely enough it is when we are less conscious about outcomes that we are better able to access this field and it's energy.

Coherent Domains

Of particular note to homeopathy, McTaggart quotes a paper that appeared in The Physical Review by Del Giudice and Preparata who "demonstrated that water molecules create coherent domains, much as a laser." "Light is normally composed of photons of many wavelengths, like colours in a rainbow, but photons in a laser have a high degree of coherence... like one intense colour. These single wavelengths of water molecules appear to become 'informed' in the presence of other molecules – that is they tend to polarize around any charged molecule – strong and carrying it's frequency so that it can be read at a distance." Meaning that water is like a recording device that can be imprinted and carry information without the original molecule being required any longer. McTaggart then states from her own conclusions that perhaps the act of succussion (repetitive shaking) of containers, as done in homeopathy, appears to act as a method of speeding up this process." [10]

So from this we can infer that if the imprinting of 'information' onto the water remains in/on/around the water even though no molecular trace of the source in the remedy. How can this be possible? This is where we need to look at the unseen sub-atomic worlds of light, photons, waves, particles, electrons etc.. and the influence of resonance, which McTaggart covers this in her book.

However, we can employ a metaphor to try to better understand the vital force from the perspective of sound. Music is the structured language of sound. It can be documented, has a theory and principles and can have a dramatic influence on our health and wellbeing. So lets look a little closer at the language of sound/frequency.

Tones and Colours

This is where I would like to express my opinion about the Vital Force in disease and health, from the perspective of sound or music to be more precise.

There are various traditions and systems of health and well being that have been developed and documented. Many of these traditions present a system that acknowledge an energy that is unseen yet organized, intelligent and assists the human body with an automatic/unconscious maintenance of homeostasis with its environment. Eg India - Prana , China – Chi, Japan – Reiki etc... Even Christianity with the 'Christus' energy with the message perhaps being made more symbolic of a human and their altruistic, benevolent, empathetic, unconditional love attributes? These systems can be

further broken down into specific Charkas that further define them. A chakra is a center of activity that receives, assimilates, and expresses life force energy. [11]

In his book, *Sacred Sounds Magic and Healing Through Words and Music*, by Ted Andrews, he lists a table of correspondences (see appendix 1) that show that there are various notes from the C major musical scale that correspond to respective charkas, which also have their own defining colours (see appendix 1). This Table of correspondences would imply a matrix of possibilities from different healing modalities applied to the human senses. eg. Auditory and visual as well as spiritual attributes and respective healing properties (see appendix 1). I have also added another two columns to Andrews Table of Correspondences in the appendix, 1) Resistance/Desire to Abundance and 2) Affirmation. These two extra columns are compiled from the book, *Abundance Through Reiki*, by Paula Horan.

Horan provides a 42 day program to Absolute fulfillment and abundance. The key to her program is focusing on one charka each day and balancing any feelings that arise re: resistance and desire for that charkas sphere of influence on our body. Eg Unconditional love (Heart Chakra) – recall any past/present desires/feelings you have had for unconditional love, then recall any past/present resistance/feelings to unconditional love you have experienced and then balance those feelings with the Attitude of Gratitude for the time s you have experienced unconditional love. Is the recalling of these desires and experiencing the feelings that they raise a way of 'like cures like' with the 'remedy' being analogous to the attitude of 'gratitude' for what the repressed experiences/emotions were trying to teach us? Are feelings, thoughts, emotions and memory linked via 'similar frequencies' that thoughts alone can emit and access from 'the field'?

Getting back to music. For each charka there is a corresponding tone and colour. Each musical tone in isolation has it various attributes such as frequency, pitch timbre, wavelength, amplitude, etc... When theses are played in sequence using intervals of time then they can form a diatonic major scale such as C major. A musical system is now formed where each note has its place and connections can be made between them in the structured system. We have all heard someone playing/practicing a musical scale on a guitar, piano or other instrument. When all the tones/pitches etc. in the system are in correct balance then we get a pleasing, harmonious sounding passage of musical expression. However, we have all also heard and felt the dis-harmony when the system is not in balance and out of tune tones/pitches give us an instinctive feeling that something is out of order! This can further be embellished by the other corresponding elements/attributes in the Table of Correspondences (see appendix 1) such as: colour, mantram, healing property, resistance/desire, affirmation and many others that are not listed but could be connected.

Rhythm, Melody, and Harmony

An expressive progression of single notes in music is known as a melody. Melody, rhythm and harmony are well known principles of music. Andrews defines these 'sacred' principles as follows:

Principle	Aspect	Effect
Rhythm	from which comes all motion in the universe	Changes in the physical
Melody	from which comes the interaction between the divine in the physical and our own interactions with other life forms	Changes in the emotional
Harmony	from which comes the true spiritual power manifesting in the universe and in humans as our interaction with all elements of life are harmonized	Capable of lifting the consciousness to spiritual awareness

In a musical progression, when several notes are played simultaneously a “harmonic chord” is formed. This chordal structure can sound pleasing/harmonious or displeasing/dissonant depending on the relationship between the notes/tones/pitches/frequencies being played.

From these three basic musical principles a language is formed that is universal, can be documented, and developed into a system that appears to have a natural order of pleasing/harmonious relationships, between the notes/frequencies being played as a passage/sequence of intervals/information through time. Andrews states that “music, chants, mantras, prayers, songs, stories, music and speech must employ the principles of rhythm, melody and harmony in order to achieve union of body, mind and spirit.”[7]

Now each musical tone/note has a corresponding octave. An octave is the doubling of the frequency of a Tone’s pitch eg A above middle C has the frequency of 440hz. Therefore, another A note/frequency can be played at 220hz or 880hz. This cycle can go on infinitesimally! Eureka, now here may be a way to draw a picture of the vital force!

The Range of Perception

There are limits to what we can hear. The range for the spectrum of sound we can experience is 20hz-20,000hz. Sounds beyond this range cannot be heard by humans, however, that does not mean that sounds beyond this spectrum do not exist. It is a well know fact that dogs can hear sounds above the human 20khz limit. This is significant as we know that there exist frequencies beyond our spectrum of perception and by doubling frequencies we know that we can extend the musical system beyond what we can hear (20kz) using mathematics that determine frequency & wavelength beyond this limit.

Colour also displays this unseen by the naked eye phenomena as we cannot see beyond the spectrum of the rainbow. We know that there exist infra-red and ultra-violet bands beyond the rainbow spectrum and we have cameras/technology that can photograph these as well as x-rays. So we have a system that can be focused to see the unseen (to the naked eye). So where is all this heading?

Resonance

Getting back to the Vital Force in healing and disease and the musical metaphor. There is a phenomenon in music known as resonance or sympathetic vibration. This occurs when two or more bodies have similar or identical vibrational frequencies.[7] One body resonating, when brought into the proximity of the other body, will start the other body resonating with the same frequency if a sympathetic relationship can be established. eg. a tuning fork that is vibrating and placed next to a piano or guitar string that is sympathetic to its frequency will start the string vibrating/resonating. When the tuning fork and sympathetic string are close but not in exact/similar resonating frequencies eg. "out of tune" then a dissonance is experienced that has a characteristics beating effect, almost like an SOS signal until the strings tension is adjusted and the dissonance disappears and as a harmonious, in-tune, doubling of the two matching/resonant frequencies of the tuning fork and the sympathetic string. This is what is experienced when tuning a guitar using it's harmonics. A harmonic can be defined as "In acoustics and telecommunication, the harmonic of a wave is a component frequency of the signal that is an integer multiple of the fundamental frequency.'[12]

So the out of tune string on the piano can be brought back into tune by the introduction of a tuning fork into it's proximity and it can once again takes it's place in a harmonious/healthy system of the piano. The tuning fork provided the correct frequency/memory to the string which had lost its healthy place/memory in the piano's system. This could then be applied to a series of tones/strings each with their harmonic relationships which follow a natural order of frequency intervals and relationships

Andrews contrast the two terms Sympathetic Resonance and Forced Resonance in his book Sacred sounds. He states that there is an innate sympathy between two or more bodies have similar or identical vibrational frequencies. This is also known as 'free resonance'. [7] Forced resonance occurs 'when two energy systems have different frequencies and the stronger vibration is transmitted to the other by force", which can have both positive and negative effects.[7] Andrews goes on to state that if understood and used correctly forced resonance can be used to restore health ", forced resonance can overcome imbalanced conditions in the body and thus bring back various organs and systems back into their normal parameters." [7]

Conclusions -

Rhythm, melody and harmony are three very important principles of music. However, resonance may be the 'glue' that somehow binds them all together into a pleasing passage of structured sounds that can travel through the three/four planes of existence and be intuitively felt as pleasing to all our senses. When we hear a dissonant passage of music then it ultimately has an out-of tune feeling that we sense and intuitively seek a natural resolution between the discordant resonating frequencies. Could this be what a disturbance in the vital force does to the body? Could the dissonant disturbance in the unseen field be vibrating at a certain frequency beyond our range of perception yet can find, even attract, and ultimately have physical effects and manifestations, by resonating at a similar frequency? If we look at the added, numerous, possibilities for harmonic relationships between resonating frequencies then there are even more possibilities for resonating with the harmonic chord of the disease invading the vital force of!

It would appear from this information that homeopathy is providing an approach to treating disease and health from a similar perspective with 'like cures like' and that water is the transmitting medium through which the encoded resonant frequencies of the homeopathic remedy can enter our own vital force and promote a healthy body, coherent domain. With music it is air that is the medium of its passage.

Music is a universal language that does not have any lingual boundaries. Perhaps the principle of resonance has an effect at a molecular and sub atomic level with homeopathy and that 'likes cures like' is another way of saying resonance and that forced resonance can tune up an organ/cell/body system via conscious administration, into our vital force field and eventually have an effect on the seemingly unconscious sympathetic nervous and endocrine systems of the body as a result!

Finally, a radio is a device which works on the principle of resonance. A signal is transmitted from a radio station (transmitter) at a certain frequency and is picked up by any device (receiver) that can resonate with the transmitted frequency. Someone listening to the radio does not see the information being transmitted but can pick up and re-amplify the signal being transmitted via the device. This goes for television and other wireless communicating devices. All these transmitting frequencies exist around us we just need a receiving device capable of tuning into their relevant/broadcast frequencies. Is the Vital Force a transmitting/receiving device for our receiving/transmitting body?

So, I ask this question. Is the vital force our physical body's receiver (radio/television) for vital/essential energies and frequencies that are required to maintain the running of a healthy individual's body, mind and spirit? Can the vital force tune in and utilise the zero point surrounding field and then transmit it's energies for the purpose of maintaining our 'vital' functions? Therefore, is the interface with the vital force communicating transmitting and (and receiving) information via our bodies two most important systems, the Nervous system and the Endocrine systems, which are susceptible to sympathetic thoughts and vibrations/frequencies? If so then perhaps disease is when elements/organs within these systems have forgotten their role/frequencies and get 'out-of-tune' with the natural, ordered, balance of the optimal functioning 'in-tune' system? Symptoms can then be viewed as an ask for help by the vital force (transmitter) to the body receiver? and vice-versa? Then perhaps any vibrational/energetic modality can send a message to the vital force so that it can start broadcasting/transmitting the correct 'information' via sympathetic resonance/frequencies with our nervous and endocrine system.

Therefore, I conclude that the Vital Force is the 'conductor' and we are its 'orchestra', with rhythm, melody, resonance and harmony as the major principles for its language of communication to maintain a system of natural balance and order that is 'vital' to our existence and a 'force' that animates us sympathetically. The conductor and the orchestra belong to a team; if a member of the team is out of tune then the team is out of balance, especially if the conductor is out of tune! For with no conductor (vital force) there is no harmonious symphony (life) for the orchestra (the human body) to play.

Q. So who writes the symphonies for the Conductor?

A. Enter religion, belief, intent, and belonging...

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