



*"If you want to find the secrets of the universe, think in terms of energy, frequency and vibration."*

Quote commonly attributed to Nikola Tesla in a conversation with Ralph Bergstresser in 1942; Bergstresser (1912-1998) was the inventor of the Tesla Purple Plates.

## The Implications of Energy and Vibration

People may ask how can a living organism like a human being have a measurable energetic frequency? The answer is how is it possible that human beings would NOT radiate in certain frequencies? Every living element in our body radiates, vibrates, or resonates at a particular frequency. Our brain operates on electrical current, our ears detect a range of frequencies, and we produce sound vibrations through our voice. Our body also radiates heat within a temperature range. So humans and other living organisms have measurable frequencies on various levels, from the entire body down to the cellular level.



Every object on this planet, still or alive, has an electrical frequency that can be measured. Electrical frequency can be measured by counting the number of occurrences of a repeating current flow (or cycle) per second. This unit is called Hertz (Hz) and for convenience it is defined in multiplying units like kilohertz and megahertz. Sound for example, is a travelling wave which is an oscillation of pressure. Humans perceive frequency of sound waves as pitch. Each musical note corresponds to a particular frequency which can be measured in hertz. An infant's ear is able to perceive frequencies ranging from 20 Hz to 20,000 Hz; the average adult human can hear sounds between 20 Hz and 16,000 Hz. The range of ultrasound, high-intensity infra-sound and other physical vibrations such as molecular vibrations extends into the megahertz range and well beyond into ranges that can't be perceived by the human ear. Sound is in a category of it's own as it requires a medium to carry it. It will not travel through a vacuum for example.

Electromagnetic radiation on the other hand can travel though a vacuum including space. The visible light we see is part of the electromagnetic spectrum of radiation. It is often described by its frequency expressed in hertz. Radio frequency radiation is usually measured in kilohertz, megahertz, or gigahertz. This is why older style radio dials are commonly labelled with kHz, MHz, and GHz. Light is electromagnetic radiation that is even higher in frequency, and has frequencies in the range of tens (infrared) to thousands (ultraviolet) of terahertz. Even higher frequencies are believed to occur naturally, in the frequencies of the quantum-mechanical wave functions of high-energy particles, although these are not directly observable, and must be inferred from their interactions with other phenomena.

For practical reasons, these are typically not expressed in hertz, but in terms of the equivalent quantum energy, which is proportional to the frequency by the factor of Planck's constant. And if you want to explore that further, be my guest.

So what it all means is that everything has a frequency. Some of those frequencies can be perceived by our senses of sight, sound, touch, taste and smell, while other frequencies can not. Just to take it a little further, you need to consider that what you perceive with your senses is actually information. It is information of a particular frequency that must be interpreted by your body organs including the brain. As adults we take it for granted, but new born babies for example have to develop the skills to interpret their surroundings. On the other hand, new babies and young children can often interpret information beyond our adult understanding of the five senses; that is until we force them to suppress it as not being "normal." We then as adults work backwards and rely on developing or reigniting our higher sense perceptions to detect and interpret frequencies beyond our usual five senses.

One last point. Because everything is made up of varying frequencies, it is possible for systems to coexist in the same plane. A good analogy is a fibre optic cable delivering this information to you via the world wide web. Varying multiple frequencies and therefore vast amounts information can be passed along a single cable with little to no interference. This for example, is how the thymus chakra positioned on top of the heart can exist in the same plane as the major heart chakra. Both are performing a function, both are providing information to be interpreted and communicating with each other through a synergistic interplay of varying frequencies.

### **The implications.**

So living organisms have measurable frequencies on various levels from the entire body down to the cellular level. That fact has enabled science to conduct research on humans and map their frequencies. It turns out quite clearly that there are frequency differences in healthy humans in comparison to states of unbalance or ill health. More over, scientists discovered that each illness has a different frequency that is always within a definite range. During the first steps of that line of research those results were considered as a new diagnostic discovery, yet as the research progressed and researchers started running frequency measures on human cells, it turned out that those cells also reacted to direct external light and sound frequencies. The most incredible discovery was that ill cells reacted to very precise levels of frequencies and were cured or eliminated whilst nearby healthy cells remained intact.

*There is a lot of information on the web pertaining to human cell frequency and the possible health implications. Some of it verifiable and well researched while much of it is manipulated information in order to sell a service or miracle gadget. I'm no expert and you need to do your own research, but the following is some interesting information worth exploring.*

*1982 book ELECTROMAGNETISM & LIFE By Robert O. Becker and Andrew A. Marino.*

**Robert O. Becker (May 31, 1923 – May 14, 2008)** was a U.S. orthopedic surgeon and researcher in electrophysiology/electromedicine. He worked mainly as professor at Upstate Medical Center in State University of New York, Syracuse, and as Director of Orthopedic Surgery at the Veterans Administration Hospital, Syracuse, New York. He was nominated twice for the Nobel Prize for his pioneering work in tissue regeneration. Becker having observed in his clinical practice that broken bones sometimes failed to grow together, he set out to study experimentally why, and if external physical conditions could improve the growth.

He found that a DC current through the broken bone (about 1 nanoampere) would greatly improve the growth and fusion of the bones. According to Dr. Robert O. Becker in his book "The Body Electric", the human body has an electrical frequency and that much about a person's health can be determined by it.

Frequency is the measurable rate of electrical energy flow that is constant between any two points. Everything has frequency. It is estimated that 60% of the genetic material is in some manner directly involved in the workings of the nervous system. It is hypothesised that Deoxy-ribo Nucleic Acid (DNA) which makes up the genetic material in addition to being the templates from which the proteins of the body are made is also responsible for providing in some as yet unknown manner a morphogenic (body structure) field within which the physical atoms of matter that is the body are able to coalesce. Thus as we learn more about the subtle workings of the physical body we are led to the underlying field and energy relationships or Subtle Energies which allow life to exist in the physical realm.

**Royal Raymond Rife, M.D.**, developed a "frequency generator" in the early 1920s. With this he found that with certain frequencies he could destroy a cancer cell or a virus. He found that certain frequencies could prevent the development of disease, and others would destroy disease.

**Bjorn Nordenstrom**, a radiologist of Stockholm, Sweden, who wrote "Biologically Closed Circuits", discovered in the early 1980s that by putting an electrode inside a tumour and running a milliamp D.C. current through the electrode, he could dissolve the cancer tumour and stop its growth. He found that the human body had electro-positive and electro-negative energy fields.

**In 1992, Bruce Taino** of Taino Technology, an independent division of Eastern State University in Cheney, Washington, built the first frequency monitor in the world. Taino has determined that the average frequency of a healthy human body during the daytime is 62 to 68 Hz. When the frequency drops, the immune system is compromised. If the frequency drops to 58 Hz, cold and flu symptoms appear; at 55 Hz, diseases like Candida take hold; at 52 Hz, Epstein Bar and at 42 Hz, Cancer.

### **Back to Dr Becker.**

Now deceased, Dr Becker was very much concerned with the indiscriminate use of various types of electrical energy generating equipment and electrical transmission lines, microwave and radar installations, extra-low-frequency (ELF) communications equipment and medical diagnostic and therapeutic equipment such as diathermy, TENS, MRI and Sonography. His work with the dramatic effects of minuscule amounts of low voltage and amperage on biological systems lead him to seriously doubt the claims of manufactures and various governmental agencies as to their safety for usage. In his book, Dr. Becker elucidates how the natural periodic fluctuations of the Earth are being swamped by the glut of man-made and broadcast electro-pollution. Unfortunately, it appears that most man-made generation, transmission and usage of electrical energy is the kind which produces negative health effects.

With this sort of research you can see how it opens the door to inventors offering a plethora of gadgets and gizmo's to protect us from damaging electromagnetic radiation. They are particularly convincing when supported by computer generated graphics.

Now don't get me wrong, we are definitely affected by external electromagnetic pollution, there's no doubt about that. And anything that affects us will also affect other animals and the Earth's biological systems. The problem is we are all different, and what affects one person will be different for another. No one gadget or device (if they do work) is suitable for everyone, and I personally do not believe in replacing one artificial stimulus with another. We need to reduce our exposure to radiation, but in order to do that we would have to give up most of our modern conveniences from mobile cars to mobile phones. Are you ready for that?



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