EMF & Water Voltage

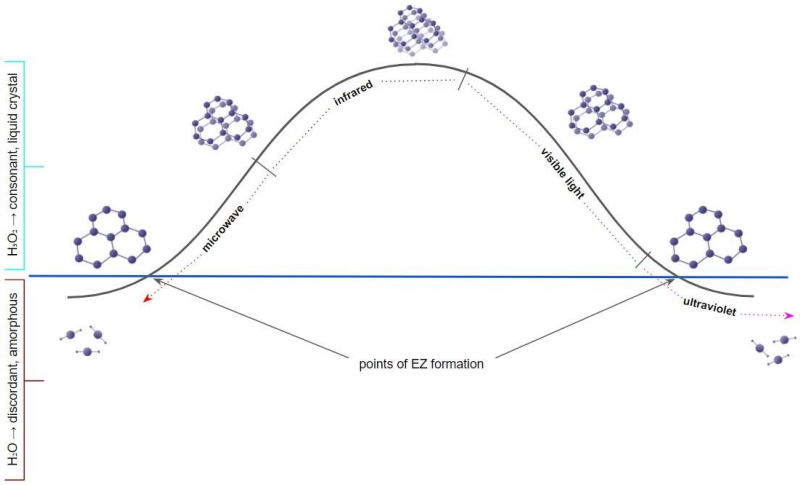
Exploring the Correlation Between EMF, Reduced Bio-electricity and Health

Description

Dr. Gerald Pollack (Univ of WA) discovered what he calls water's "exclusion zone", or EZ. When light interacts with water, some of the H_2O is transformed to H_3O_2. This produces a voltage - H_2O positive, H_3O_2 negative - and is likely the source of bioelectricity. Normal and/or healthy water produces about 200 mV (millivolts) - in small volumes of water.

Dunedain has been developing natural methods of increasing this EZ voltage. We have been able to obtain a voltage of 330 mV (using only 3 ml of water). Plants fed this vitalized water show a substantial increase in biomass and nutrient density, as compared to control water, at around 200 mV.

Conversely, when water is exposed to EMF (electromagnetic fields), specifically microwave radiation used for wireless technology, the voltage is diminished. Depending on exposure times the voltage can drop to zero. Wireless routers, cell phones and baby monitors have been the methods of exposure. Plants fed this microwave exposed water are drastically reduced in biomass and nutrient content, depending on the water's voltage; if fed zero voltage water they perish in a few days.



Bell curve of EZ formation. EZ formation begins at the lower end of the microwave zone and where ultra-violet meets visible light. These are the areas of the lowest voltage - anything below the horizontal blue line is zero voltage. The voltage (and density of EZ) increases through the visible light spectrum - peaking at 3000nm wavelength in infrared. The lower-end microwave frequency is the zone where Dunedain has found EZ voltage to either drastically diminish or hit zero. This is the current microwave band of frequency used for wireless transmission.

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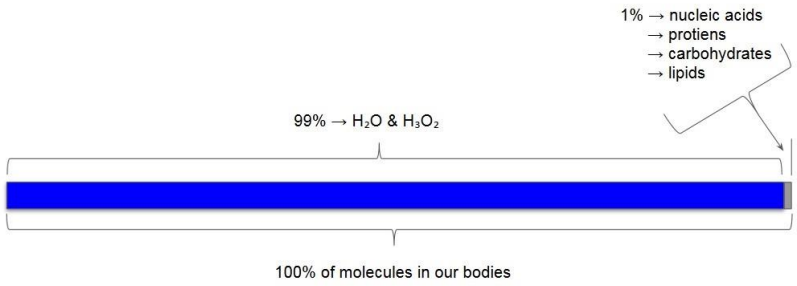

Water in our bodies, by number of molecules

The nature and role of water in the human body is not well understood, and certainly not incorporated into today's study of biology and medicine. Bioelectricity has no major importance in any curriculum. The effects of external vibration such as electromagnetic fields on health and water are low on most people's radar. Any substantial studies in this area quickly get swallowed up by those with a financial agenda.

This correlation between reduced water voltage and exposure to microwave frequencies is very important to better understand. Bioelectricity is the bridge, the interface, which enables consciousness to take form and reside in a biological body. Considering water's voltage is the likely source of bioelectricity, this voltage/EMF connection is important. The correlation between a sharp increase in cancer, autism and behavioral disorders in the early 80's and the first commercially available cell phone in 1982 is no coincidence.

Intended Use & Purpose

The pervasive use of wireless technology is evident. The dependencies increase, and so does the intensity of the frequencies. From 1G (generation) to the upcoming 5G technology, the invisible smog of EMF is always thickening. Little experimentation has been done on the effects of wireless microwave technology on the human body. The promise of financial payoff often overrides health concerns; we play catch-up later. This is catch-up time for EMF.

Dunedain would like to explore technologies to address two major directions here:

1) Incorporate a more generative frequency of wireless transmission
2) EMF mitigation

LiFi is a new technology which uses visible light to transmit data wirelessly - much more efficiently than the current microwave frequency. Dr. Pollack has proven visible light creates a healthy voltage in water. Dunedain has proven the microwave frequency diminishes this important voltage. LiFi technology needs to be carefully considered as a new wireless carrier signal - both for technical and health reasons.

In the interim there are EMF mitigation solutions. It will take time in gaining public acceptance that the very technologies they have become dependent on are harming them. Resistance from Telecom is certainly present, adding to the time of public acceptance. There are steps one can take to minimize the harmful effects of EMF. Children are particularly vulnerable - mitigation efforts need to start there.

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Status

Dunedain has shown interesting results with common EMF mitigation techniques and water voltage. A common method of experimentation has been a “Faraday cage”: a “bubble” of metal screening shielding EMF vibrations. Water protected or shielded from wireless frequencies displays a higher voltage compared to unprotected water. Plants grown in a Faraday cage - residing next to wireless devices - are much more robust and healthier compared to plants grown outside the cage.

Another common method is the use of a mineral called shungite. Water directly exposed to shungite shows a substantial increase in voltage. Also, it appears shungite placed near wireless devices help mitigate the harmful effects.

Note: see accompanying “Experiment Data Points.pdf” for more info.

Note: Len sleeps in a homemade Faraday cage. This explains his drastic reduction in head pain and disorientation, as well as his celibate lifestyle.

Budget, Resources, Timeline

There are many types of experiments to address the possible effects of EMF on living organisms. How to quantify these effects are an important consideration in helping this awareness gain traction.

Project	Scope	Resources	Estimate	Duration
EMF Shielding - Plants	Experimentation involves the following controlled studies with agriculture: ● EMF protection of grow rooms and/or greenhouses ● Use of vitalized water ● Various devices tested: baby monitors, cell phones, Bluetooth, routers, cell phone antennas	Dunedain Horticulturist Engineer	$250,000	12 months
EMF Shielding - Water	Experimentation involves the following controlled studies with EMF effects on water: ● EZ voltage ● Electrolysis efficiency ● Wheatgrass studies	Dunedain Engineer	$100,000	3 months
EMF Shielding - People	Experimentation involves the following controlled studies with EMF effects on people. Of particular interest are initial studies with sensitive people, including autism, behavioral / attention deficit disorders, skin disorders. These studies could include classrooms: ● EMF shielded rooms ● “Wired” wireless ● Vitalized water consumption ● EMF bed canopy ● Shungite tiled room The aim is to shield a person(s) from EMF as effectively as possible, for as long as possible - sustained.	Dunedain Schools / institutions Physician	$500,000	12 months
WiFi-to-LiFi	LiFi technology exists - visible light is used as the carrier signal (as opposed to microwave) to transmit data.	Dunedain Engineer Physician	$500,000	12 months

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	Since visible light is known to create a healthy exclusion zone in water, it stands to reason LiFi technology may actually promote health. Dunedain would like to experiment with LiFi technology in relation to the transmission of data and its effect on water. EZ voltage, plant biomass, electrolysis production - would all be tested. If successful, these efforts would initiate the deliberate introduction of moving from the microwave frequency as the carrier signal to visible light. The implications for the health and Telecom industries are important.			

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