



HEALTH LEADS

Bio Resonance... The beginning.

In 1952 Alfred Vogel wrote in *The Nature Doctor* page 592:

“Every person and every material has a certain connection with electricity. When undressing at bedtime you may have noticed that some items of clothing crackle or you may even see them momentarily light up in the dark. The electrical charge causing this varies with different people, some have more than others. This charge can be restored or increased... The electrical field and charge are also influenced by where live and in what conditions, it is possible for these factors to upset the natural balance.

Once the balance of the earth’s field is upset, all kinds of disturbances may manifest themselves; for example, we can be overcome by an unnaturally heavy fatigue or persistent headaches, sometimes leading to troublesome migraine or depression. A lack of vigour or initiative often comes in its wake. Worry or nervousness may set in, bothering the sufferer so much that he doesn’t know what to do with his fidgeting limbs. Modern technology enables us to measure this electromagnetic field.”

Page 290 also states: “Since the hazardous effects certain earth rays have on our body cells are known today, we should be aware of them. Not only do radium and x-rays constitute a double-edged sword for the cells, but ever increasing radiation in the atmosphere plays an important part in cell degeneration... Cosmic rays together with the so-called earth rays can cause tensions and are also able to trigger cancer if someone is exposed to them regularly over a period of time. We should always be aware of these dangers and avoid them where possible.”

Electro Dynamic Fields

Before Dr. Alfred Vogel, Dr. Harold Saxton-Burr proposed “the electro-dynamic theory of life”.

"The Universe in which we find ourselves and from which we can not be separated is a place of Law and Order. It is not an accident, nor chaos. It is organized and maintained by an Electro-dynamic field capable of determining the position and movement of all charged particles. For nearly half a century, the logical consequences of this theory have been subjected to rigorously controlled conditions and met with no contradictions."

These were the statements of Dr. Harold Saxton Burr, Ph.D., who was E. K. Hunt Professor Emeritus Anatomy at Yale University School of Medicine. Dr. Burr was a member of the faculty of medicine for over forty three years. From 1916 to the late 1950's, he published, either alone or with others, more than ninety-three scientific papers.

Dr. Burr discovered that all living things - from men to mice, from trees to seeds - are molded and controlled by "electro-dynamic fields," which could be measured and mapped with standard voltmeters. In some cases it has been definitely shown that these field extend beyond the organism. Dr. Burr believed that, since measurements of L-field voltages can reveal physical and mental conditions, doctors should be able to use them to diagnose illness before symptoms develop, and so would have a better chance of successful treatment.

A 'battered' L-field - that is, one with abnormal voltage patterns can give a warning of something 'out of shape' in the body, sometimes in advance of actual symptoms. For example, malignancy in the ovary has been revealed by L-field measurements before any clinical sign could be observed. Dr. Burr decided to examine the electrical properties of cancer-susceptible mice to determine if the voltage measurements would change during the initiation and growth of cancer tissue. "The results of the experiment were surprisingly consistent. Twenty-four to twenty-eight hours after the implantation, changes were observed in the voltage gradients.

One of Dr. Burr's most exciting discoveries dealt with the recording of voltage changes during female menstrual cycles.

"They hit on the idea of using a female rabbit because it is known that rabbits ovulate about nine hours after stimulation of the cervix. So a rabbit was stimulated and nine hours later was anaesthetized. After connecting the electrodes

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and watching through a microscope, suddenly it happened to the awe and delight of the scientists: at the moment when through the microscope they saw the follicle rupture and the egg released, there was a sharp change in the voltage on the recorder.

"Shortly after this, a young woman had to have an operation and volunteered to let this be done, when her electrical records indicated that ovulation was imminent. When her voltage gradients started to rise, she was taken to the operating room and an ovary uncovered. A recently ruptured follicle was observed - which confirmed the findings in the rabbit.

Refs: (extracts from) World Research Foundation www.korzybski.org/burr.html

Even earlier than Dr. Harold Saxton Burr - Dr. Max Planck proposed; "Everything oscillates".

Max Karl Ernst Ludwig Planck was born in Kiel, Germany, on April 23, 1858, the son of Julius Wilhelm and Emma (*née* Patzig) Planck. His father was Professor of Constitutional Law in the [University of Kiel](#), and later in [Göttingen](#). Planck studied at the [Universities of Munich](#) and Berlin. He was Associate Professor of Theoretical Physics at Kiel until 1889. Afterwards he became President of the Kaiser Wilhelm Society for the Promotion of Science, a post he held until 1937. The Prussian Academy of Sciences appointed him a member in 1894 and Permanent Secretary in 1912.

The problems of radiation processes engaged his attention and he showed that these were to be considered as electromagnetic in nature. Planck was able to deduce the relationship between the energy and the frequency of radiation. The energy for a resonator of frequency ν is $h\nu$ where h is a universal constant, now called Planck's constant. This was not only Planck's most important work but also marked a turning point in the history of physics. The importance of the discovery, with its far-reaching effect on classical physics, was not appreciated at first. However the evidence for its validity gradually became overwhelming as its application accounted for many discrepancies between observed phenomena and classical theory. Among these applications and developments may be mentioned Einstein's explanation of the photoelectric effect.

Planck gave credit to a Creator "There is no explanation of the universe apart from the assumption of a Supreme Creative Intelligence."

In recognition of the services he rendered to the advancement of Physics by his discovery of energy quanta, Max Panck received the Nobel Prize in 1918

Ref: From *Nobel Lectures*, Physics 1901-1921. & YY 16-17

Researching Mechanisms of Energetic Therapies

By James L. Oschman, Ph.D. and Nora H. Oschman Nature's Own Research Association. Dover, New Hampshire, USA

A:\Healing Touch Newsletter Vol. 8 No. 3 August 1998 Table of Contents.htm – Extracts

In a few decades, scientists have gone from a conviction that there is no such thing as an energy field around the human body, to an absolute certainty that it exists.

In a few decades, scientists have gone from a conviction that there is no such thing as an energy field around the human body, to an absolute certainty that it exists. Moreover, science is explaining the roles of energy fields in health and disease.

The main reason for the recent change in outlook is the development of sensitive instruments that can detect the minute energy fields around the human body. Of particular importance is the SQUID magnetometer (4), which is capable of detecting tiny magnetic fields associated with physiological activities in the body.

It has long been known that each organ in the body generates characteristic electrical fields that can be detected on the skin surface. But the laws of physics state that any electrical current is accompanied by a corresponding magnetic field in the surrounding space.

In the early 1970's, scientists at MIT, using SQUID magnetometers, confirmed the heart studies, and detected the much smaller fields around the head that are produced by brain activities. Subsequently, it was discovered that all tissues and organs produce characteristic magnetic pulsations, which have come to be known as biomagnetic fields. The traditional electrical recordings, the electrocardiogram and electroencephalogram, are being complemented by biomagnetic recordings, called magnetocardiograms and magnetoencephalograms, respectively.

Remarkably, Italian scientists have found that living tissues have the same electronic circuitry that is used in the SQUID.

SQUID is an acronym for Superconducting Quantum Interference Device. <http://www.bodywork-res.com>

Waves??

Three kinds of bioenergetically active signals are present in the earth's natural environment: **Schumann waves**, **geomagnetic waves** and **solar waves** (see W. Ludwig: Informative Medizin. Essen 1999 it may be obtained by contacting AMS GmbH).

At about 100 kilometres above the surface, the earth is surrounded by the ionosphere. The vast space between the ionosphere and the earth's surface acts as an enormous electromagnetic resonance cavity, like the sound box of a musical instrument. These resonating electromagnetic waves are known as **Schumann waves**, after their discoverer, the physicist W.O. Schumann. The basic waveform (first harmonic) has a frequency of 7.8Hz exactly the same frequency is present in the main control centre of the human brain, the hippocampus/hypothalamus.

The earth's crust contains 64 elements which are vital as the so-called trace elements. Each of these trace elements possess its own characteristic types of vibration. The earth's magnetic field is influenced or modulated by these vibrations, the resulting modulation being known as geomagnetic waves. The earth's crust contains the same essentially vital mineral material (trace elements) as those existing in the red blood corpuscles of humans. Dr Wolfgang Ludwig discovered that an imbalance of Schumann and geomagnetic waves induce micro-stress in living creatures... On the basis of the research work of Dr Ludwig, NASA constructed Schumann wave frequency generators in its manned satellites....

The past century has witnessed extensive human interference in the natural environment. Many human activities have altered the natural electromagnetic and geomagnetic environment. For instance, the lowering of the water table, the insulating effect of asphalt, and the screening effect of buildings made of metal reinforced concrete have all contributed to the weakening and distortion of both Schumann and geomagnetic waves. These natural frequencies are superimposed, distorted or even disturbed by artificially produced frequencies resulting from radar, radio, TV stations, mobile phone signals as well as from nearly all electric and electronic working and household devices.

Ref; Extracts from http://www.energytools.biz/mag_field_therapy.html

Are EMFs Hazardous to Our Health? Extracts from www.Dr.Mercola.com

Can electromagnetic fields (EMF) ... cause brain tumors, leukemia, birth defects, miscarriages, chronic fatigue, headaches, cataracts, heart problems, stress, nausea, chest pain, forgetfulness, cancer and other health problems?

Dr. David Carpenter, Dean at the School of Public Health, State University of New York believes it is likely that up to 30% of all childhood cancers come from exposure to EMFs. The Environmental Protection Agency (EPA) warns "There is reason for concern" and advises prudent avoidance".

Martin Halper, the EPA's Director of Analysis and Support says: "I have never seen a set of epidemiological studies that remotely approached the weight of evidence that we're seeing with EMFs. Clearly there is something here."

In November 1989, the Department of Energy reported that "It has now become generally accepted that there are, indeed, biological effects due to field exposure."

In addition to the long term health concerns, buying a house with high fields will be an economic disaster. In a few years, when power line radiation is as well known as asbestos and radon, a house with high fields will be practically impossible to sell. Already there are hundreds of lawsuits regarding EMFs and property devaluation.

- **Power Lines**

An enormous amount of electricity is created at power generating stations and sent across the country through wires that carry high voltages. All power lines radiate electromagnetic fields.

- **Substations**

A substation is an assemblage of circuit breakers, disconnecting switches and transformers designed to substations have been blamed for causing cancer clusters among nearby residents. Paul Brodeur wrote about several such cancer clusters in the July 9, 1990 issue of the New Yorker Magazine.

- **Transformers**

A key component of a utility's electrical distribution network depends upon numerous, small transformers mounted on power poles. A transformer looks like a small metal trash can, usually cylindrical.

Many people don't realize that when they see a transformer, the power line feeding the transformer is 4000 to 13,800 volts.

- **Home Wiring**

If your home has high EMF readings, it is important to determine the sources of the EMF so that remedial action can be taken, if possible. Many times a particular room will have a higher EMF reading. Check to see if the electricity is coming into the house on the wall outside that room.

- **Computers**
EMFs radiate from all sides of the computer. Thus, you must not only be concerned with sitting in front of the monitor but also if you are sitting near a computer or if a computer is operating in a nearby room.
- **Electric Blankets and Waterbeds**
Electric blankets create a magnetic field that penetrates about 6-7 inches into the body. Thus it is not surprising that an epidemiological study has linked electric blankets with miscarriages and childhood leukaemia. This pioneering work was performed by Dr. Nancy Wertheimer and Ed Leeper, who originally discovered that magnetic fields were linked to childhood leukaemia. Similar health effects have been noted with users of many electric blankets and waterbed heaters will emit EMFs even when turned off. The devices must be unplugged to delete the EMF exposure.
- **Electric Clocks**
Electric clocks have a very high magnetic field, as much as 5 to 10 mG up to three feet away. If you are using a bedside clock, you are probably sleeping in an EMF equivalent to that of a powerline. Studies have linked high rates of brain tumours with chronic exposure to magnetic fields, so it is wise to place all clocks and other electrical devices (such as telephones and answering devices) at least 6 feet from your bed.
- **Fluorescent Lights**
Fluorescent lights produce much more EMFs than incandescent bulbs. A typical fluorescent lamp of a office ceiling have readings of 160 to 200 mg 1 inch away.
- **Telephones and Answering Machines**
Telephones can emit surprisingly strong EMFs, especially from the handset. This is a problem because we hold the telephone so close to our head. Answering machines, particular those with adapter plugs (mini-transformers), give off high levels of EMFs.
- **Electric Razors and Hair Dryers**
Electric razors and hair dryers emit EMFs as high as 200 to 400 mG. Some EMF consultants recommend that hair dryers not be used on children as the high fields are held close to their rapidly developing brain and nervous system. WWW.mercola.com

What is certain, through even the most basic understanding of physics is that EMF's do weaken our energy fields and this will lead to some form of illness and disease in humans.

Lloyds underwriters and leading insurance groups have refused to offer 'Product Liability Cover' to mobile phone manufacturer's for damage to users health.

“Electro Smog”?

A group of people who live near high-voltage power lines in New York State brought fluorescent tubes outdoors one moonless night. As much as 200 feet (61 m) from the lines, these began to glow—just from the electricity in the air! It has been demonstrated that artificial electromagnetic fields can interfere with the way our internal clocks are synchronized. Consequently, our normal biological rhythms tend to adapt to the artificial pulse of electric smog rather than the natural magnetic field of the earth. The result is stress on the human body, bringing with it a breakdown of our general resistance to various diseases.

Why are there still reports of experiments indicating no harm resulting to humans or other creatures? It may be as one researcher stated: “Unfortunately, almost all of the research work that is currently in progress, as well as most of the surveys of existing literature, is directly or indirectly financed by the electric industry. It would be unrealistic to expect that results emerging from this industry-funded research would present an unequivocal case against the big transmission lines.” She then drew a comparison with the tobacco industry’s funding research to prove that cigarette smoking isn’t harmful, even though scientific medical research has produced abundant evidence to the contrary.

Interestingly, *Environment* magazine of November 1978 lists a summary of 45 scientific researches done by various universities and research institutes. All, without exception, demonstrate adverse effects of power-line radiation on animals as well as humans.

University of Colorado medical researchers found that the death rate for certain cancers, such as leukemia, was higher than average in homes within 130 feet (40 m) of high-current power lines.

Ref: g84 4/22 15 How Harmful Is Electric Smog?

Resonator Quality and Superconduction in Cells

The rattlesnake is able to detect a difference of 0.01 degrees in location of prey. The whale is able to detect a difference in field strength of $1 \times 10E^{-8}$ Volts/cm. It is now known that the organism is able to read ultrafine signals from out of the noise level. Sharks are able to sense the minute electrical fields that emanate from fish. Bees and Trout have demonstrated the ability to detect magnetic fields.

Refs: JOURNAL OF BIOELECTROMAGNETIC MEDICINE 2002; g03 3/8 6

It is now well established that some organisms use the Earth's magnetic field as their guidance. For instance, in 1957 Blakemore found that certain aquatic bacteria (magnetotactic) and tend to swim along the field lines of the Earth's magnetic field. However, since 1975 it has been found that many other organisms also use the Earth's magnetic field for navigation. These organisms are: honeybees, homing pigeons, dolphins, whales, butterflies, tuna fish etc. The organisms have magnetite (lodestones) in the form of Fe_3O_4 an oxide of iron in their brain or abdomen that can help them to sense the Earth's magnetic field.

“Scientists have demonstrated that cats produce the purr through intermittent signaling of the laryngeal and diaphragmatic muscles. Cats purr during both inhalation and exhalation with a consistent pattern and frequency between 25 and 150 Hertz. Various investigators have shown that sound frequencies in this range can improve bone density and promote healing. This association between the frequencies of cats' purrs and improved healing of bones and muscles may provide help for some humans.”

Ref Scientific American.com “ Why Do Cats Purr” . January 27 2003

Dangers of EMF's, Mobile phones and Masts How They Can Affect Our Health. By Steve Gamble (Excerpts)

The Human Body contains electrolytes and ions, which are positively or negatively charged. The water molecule is a polar molecule - it has positive and negative charges separated by a dipole length. A water molecule has a positive and negative pole and is therefore, an electric dipole. As we are made up of approximately 65-70% water, electrolytes and ions, it follows that the human body has its own weak electromagnetic field and each of our cells has its own EM Field too. Basic science shows us this is so. It follows that strong and even weak Electromagnetic Fields emitted from any electrical or electronic equipment *will interact* with and affect the human body's own weak electromagnetic fields, and, therefore, interfere with the body's natural healing processes.

‘Every kind of frequency combination which is not in order, produces disease.’ Disease occurs through a disturbance of the electromagnetic field in the cells: they become disordered and incoherent. (More later)

So it is not a question of whether these EMF fields cause health problems or not, that is not in doubt. What is uncertain is just how this ill-health will manifest in an individual; this is determined by the individual's own constitution and health and may manifest in many ways, which is why we are seeing so many ‘new’ immune deficient disorders today. What is certain, through even the most basic understanding of physics is that EMF's do weaken our energy fields and this will lead to some form of illness and disease in humans. Children, in particular, with their developing immune systems and ill or sick people are more prone to the effects of EM Radiation, and are, therefore, at risk the most.

It is also interesting to note, that both Lloyds underwriters and leading insurance groups have refused to offer ‘Product Liability Cover’ to mobile phone manufacturer's for damage to users health. In this regard, corporate providers should guard against complacency in relying on present day government advice to protect themselves against any future potential liabilities.

Our nervous system also responds to the electromagnetic pulses of the Schumann waves. These induce miniature potentials in the nerve loops, which on repetition add up to action potentials and can actively intervene in cybernetic control circuits of the body. The autonomic nervous system is autonomic but adapted to the environment and resonates with it. It becomes very clear that we are an electrical or energy system and depend on and interact with balanced and natural energies around us for our health, well-being and survival. The importance of this and the importance of the Earth's Schumann waves, as an example, are evidenced by the fact that NASA builds Schumann wave generators into its manned space flights to keep their astronauts physiologically and psychologically healthy.

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The body does not become ill because it has been infected but because the defence system – the energy field – has become weakened. Professor Popp discovered that the cells of living organisms store and emit light (photons) and this light controls vital processes. If this mechanism does not function correctly, the organism is diseased.

It has been established that there is a constant equilibrium between photons and the growth of a cell association and if the EM field of the cell is disturbed its coherence (balance) is affected too and if this coherence is disturbed, all the functions, including immune defence, are blocked; but above all – and this is the most important thing – the repair ca-

capacity of the cell, the ability to restore order to genetic damage is blocked. From this point of view the concept of disease should be reconsidered: disease, before it is manifested in physical symptoms, is manifested as a disturbance in or to the electromagnetic field.

“Light or energy within the cells of living organisms regulates cell growth, ensures the exchange of information mutually between the cells...disease occurs through a disturbance of the electromagnetic field in the cell: it becomes disordered and incoherent. Every kind of frequency combination, which is not in order, produces disease. From the point of view of disease, the disturbance of biochemical sequences in biological systems can be regarded as a disturbance to the order of electromagnetic oscillations in the body, triggered by exogenous and endogenous influences. Many years of solid research have proven that this is so.” These research results run ‘counter to the widespread belief that biochemical processes are causal.’ This is not so.

It is apparent from the science of biophysics and the understanding that we humans are an open ‘radio system’ made up of varying electromagnetic frequencies that we naturally interact with all external energies, natural and man-made, and these energies do play a large part in our health and well-being. When we interact with natural and balanced energies, such as Earth energies like Schumann waves, we are reinforcing the natural balance within our own energy system, our cells and our DNA.

Robert Becker

Robert Becker had done a series of experiments beginning in the 1950s showing that the body of all organisms has a Direct Current (DC) field, and that electric currents produced all over the body are involved in controlling growth and regeneration. By the 1960s, Becker had already proposed that an electrical communication system exists within all living things, and demonstrated that externally applied fields could influence the processes of growth and regeneration.

These fields are in addition to the now well-known and accepted electrical activities of the brain that can be measured as electroencephalograms (EEG) and in the pacemaker of the heart as electrocardiograms (ECG).

Electrical activities and ionic currents have also been measured in cultured cells and tissues. And the weak magnetic fields generated by current flows all over the body can now be measured non-invasively with the extremely sensitive Super Quantum Interference Device (SQUID) magnetometer. The evidence is overwhelming that electro-dynamical fields and currents are involved in intercommunication within the body. These fields and currents are connected to and correlated with the EEG and ECG that are a routine part of conventional biomedicine.

Ref Institute of Science in Society (Extracts)

...This led to the Russian Government having to develop purely electronic means to treat their cosmonauts' health problems.

In 1994 the FDA also approved the Sonic Accelerated Fracture Healing System (SAFHS), which emits ultrasound pulses.

Bio Resonance Therapy and the Russian Space Programme, FDA, Etc.

During the last years of the Soviet era the Russian space programme concentrated on sending men into space for long periods of time, often for many months. One cosmonaut stayed in space for longer than a year. These cosmonauts were in space with no access to medical attention. The fact that all water (including urine) was recycled on vehicles such as the Mir Space Station meant that chemical-based medicines and conventional drugs could not be used as even a single aspirin, if taken by one of the crew, would stay in the water supply for ever as it would be excreted and then recycled.

This led to the Russian Government having to develop purely electronic means to treat their cosmonauts' health problems. Starting from the principle of Bio resonance therapy they developed a device called the Skenar or the Kosmed. This is a small, hand-held, computerised electro-therapy device of great sophistication and power. The machine puts an electric impulse into the body, reads the impulse coming back from the body, and then alters the next impulse it puts out. This is repeated until the body reaches a state of electrical normality.

The device started life as a top secret space project but is now widely used in hospitals in Russia. Most Russian ambulances carry them. They are becoming increasingly used by practitioners of Biological Medicine in the West.

Another top secret Russian space project involved the use of Extremely High Frequency (EHF) electro-magnetic radiations in the millimetre wavelength band as a means of space communication. It was accidentally discovered that such radiations had a beneficial effect on human health. This led to the invention of a machine that puts such radiations into acupuncture points. These frequencies are the same as those used by the acupuncture points themselves and are similar to the radiations emitted by homoeopathic medicines.

Ref: www.wholistic-research.com/info/printablephp3?artid=273

Dr. Valerie Free, in her book, *Orthopedic Energy Goes Mainstream*, shows that in the 1960s and 1970s electrodes of direct currents were used to stimulate the growth of exposed bone or were implanted to stimulate bone growth. In the 1970s Drs. Andrew Basset and Robert Becker showed the possibility of stimulating bone growth with pulsed electromagnetic fields. From the 1970s through the 1990s, scientists in Eastern European countries tested static permanent magnetic devices to stimulate bone tissue, to treat non-union fractures, and to help conditions such as osteoporosis and osteonecrosis. In 1994 the FDA approved a vibrational resonance device patented by Liboff, McCloud and Smith. This bone-healing device transmits the vibrational resonance of potassium, magnesium and/or calcium in the 200 to 400 milligauss range together with a pulsed electromagnetic field (PEMF). In 1994 the FDA also approved the Sonic Accelerated Fracture Healing System (SAFHS), which emits ultrasound pulses at about the same low intensity as sonogram fetal monitors. In this new millenium, energy devices of different wavelengths, amplitudes and frequencies will have the ability to stimulate the body's natural bone healing mechanisms.

Ref www.integrativehealthandhealing.com/featurechh8.html

Bio Resonance therapy is supported by scientific studies, numerous letters from cured patients, case history studies, reports and books.

In one clinical study by Dr Peter Schumacher of 200 people, 83% of those who received bio resonance treatment no longer had any allergic reaction to the offending allergen. An additional 11% were greatly improved. These results lasted and were reconfirmed in a survey of the study participants four to ten months later.

In-vitro experiments performed in the Oncology Institute of the Academy of Science in Kiev, Ukraine provide details of the effectiveness of bio Resonance treatment.

Details of scientific studies can be obtained independently from :-
Regumed Institute for Regulatory Medicine, Lochhamer Schlag 5,
D-82166 Gräfelfing, GERMANY

**Press Release: The 1991 Nobel Prize in Physiology or Medicine
THE NOBEL ASSEMBLY AT THE KAROLINSKA INSTITUTE
7 October 1991**

**In one clinical study
by Dr Peter Schumacher of
200 people, 83% of those
who received bio resonance
treatment no longer had
any allergic reaction to the
offending allergen.**

The Nobel Assembly at the Karolinska Institute has today decided to award the Nobel Prize in Physiology or Medicine for 1991 jointly to Erwin Neher and Bert Sakmann for their discoveries concerning "the function of single ion channels in cells".

Neher and Sakmann Record the Electric Current Flowing Through a Single Ion Channel

It has long been known that there is a rapid ion exchange over the cell membrane, but Neher and Sakmann were the first to show that specific ion channels actually exist. To elucidate how an ion channel operates it is necessary to be able to record how the channel opens and closes. This appeared elusive since the ionic current through a single ion channel is extraordinarily small. In addition, the small ion channel molecules are embedded in the cell membrane. Neher and Sakmann succeeded in solving these difficulties. They developed a thin glass micropipette (a thousandths of a millimeter in diameter) as a recording electrode. When it is brought in contact with the cell membrane, it will form a tight seal with the periphery of the pipette orifice (Figure 1A, B). As a consequence the exchange of ions between the inside of the pipette and the outside can only occur through the ion channel in the membrane fragment (Figure 1B). When a single ion channel opens, ions will move through the channel as an electric current, since they are charged. Through a refinement of the electronic equipment and the experimental conditions they succeeded in measuring this "microscopical" current by laborious methodological developments during the seventies.

A simple explanation

It is possible through Bio Resonance technology to send an "inverse oscillation" pattern of energy of any toxin to the body to cancel out its electromagnetic charge. This renders the toxin inert or nearly so. With little or no energy in the toxins electro-magnetic field, the immune system can easily remove the remains of the toxin from the body. The sequence and order of these therapies is important and must be done with care in order to successfully clean the toxins out of the matrix of the connective tissue.

For example, when you push a child on a swing, the energy of each push adds to the energy of the child swinging and the child swings higher and higher. This is called "Constructive Interference." When it's time to stop, you push in a way that is in conflict with the swinging to slow down and stop the "oscillation" of the swing. This is called in physics, "Destructive Interference," and in Bio Resonance Therapy it is called "Inverse Oscillation Therapy."

Ref; The New Hope Clinic a Quantum Wellness Center (extracts of the website)

The Rayocomp Is A Bio Resonance Device - What Functions Can It Provide?

- **Disease** states can be easily and quickly identified as can disharmonious functioning of individual organs. Problems can be quantified as superficial or chronic in nature and can then be treated to bring the body functions back into a harmonious condition.
- The main use of Bio Resonance in Germany is in the field of Allergy testing and desensitising.

- The presence of toxins can be determined both in the body and in substances.
- As we have already seen every function of the human body is controlled and can therefore be influenced by frequencies. To date the Rayonex Company has supplied thousands of frequencies covering organs, emotional states, toxins, pathogens and the basic periodic table of 104 elements. Many of these frequencies are included in 54 integrated treatment programs build into their devices, others can be used as a single frequency treatment or can be written onto a 'smart card' to make up an individual treatment program.
- Three years ago the Rayonex Company in Germany commissioned a randomised double blind clinical study to establish the effectiveness of their devices*. The findings of this type of study are the criteria for scientific proof. Please request a copy of this 14 page abstract (the full report runs to several hundred pages).

*In double blind research, neither the patient nor the therapist knows who is getting real treatment and who is getting sham treatment. Now the subconscious of neither the patient nor the therapist can wreck the study. To make the study even more carefully controlled, you have the person who measures the patient, or evaluates the study outcome, not know who received the real treatment and who received the sham treatment. Finally, the person who does the statistical analysis of the data following the study can also be kept blind to the treatment conditions

**After a few sessions
or maybe just one session
such people invariably
find they can then test
either themselves or
others quite easily.**

Are any special skills needed?

No. However some people have found it far better to start off by just using the main harmonising treatment program 51 (pre control). This is the most important of the 54 integrated treatment programs. After a few sessions or maybe just one session such people invariably find they can then test either themselves or others quite easily.

The electronic sensor has a wooden handle on it with a special button that when pressed to the 'right' moves the frequency being tested forward by one as shown on the computer screen, press to the 'left' and it moves it back by one, press 'up' to store the frequency value in the computer on a smart card and pressing 'down' moves to a precision mode where a frequency is tested in very small amounts i.e. .025 of a frequency - this is for very technical testing of supplements, food, products.

PS Not to be confused with Radionics.

The Radionic Association, have this definition of Radionics (Extracts);

The radionic practitioner, in making his analysis, uses the principle of dowsing by applying his faculty of extra sensory perception to the problem of detecting disease in much the same way that the dowser detects the location of water, oil or mineral deposits. ... the practitioner, by means of a series of mentally posed questions, obtains information about the health of his patients to which the conscious thinking mind has no direct access."

Radionics is a method of healing, usually without physical contact with the patient, with the help of specialized instruments, in conjunction with a special faculty of extra-sensory perception (ESP).

The name 'radionics' is somewhat misleading since this form of healing has nothing to do with radio or radiowaves, neither does it have anything to do with electronics. As a matter of fact, radionics can be said to be healing with 'thought energy'.

All radionic practitioners know that their instruments serve only as extensions of their diagnostic (not in the orthodox sense) and healing faculties. On their own, the instruments do absolutely nothing.

...this information is not from the so called double-blind and rigidly controlled studies that have ever been the bed-rock of conventional western sciences...

This article was taken from Infectious Diseases, Toxins and Natural Remedies (IDTNR) Volume 2: Issue 1, 2003

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