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Photon Genius

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ED SKILLING AND THE SKILLING INSTITUTE

From a very young age, Ed Skilling had always shown an exceptional aptitude for working with electricity, electronics, hydraulics and mechanics. At the age of ten (1928) in Detroit, he constructed his first radio and spent the rest of his life developing and innovating in all fields of electronics.

Through early experimentations, he verified that there were personal and health benefits from electricity, energy, light and sound. One such experiment, he transmitted radio signals underground.

Through complex experiments he was able to make the grass grow abundantly. Through continued experiments he communicated through a variety of soils and planted a variety of vegetation and found they all grew higher and faster than usual.

Ed Skilling continued to pursue his keen interest in all things electronic and was trained as an electrical engineer, as a result of his passion for electronics and engineering he later included the fields of mechanical and hydraulic engineering. Ed consistently invented and innovated with unique capability. His reputation as inventor and innovator led to industrial engineering and electronic engineering positions. His talents and skills shined in the Aerospace industry from 1950 to 1983. His vast experience prepared him for the advanced position with General Dynamics as their Senior Electronics Engineer, which he held for 17 years.

He later was advanced to a position as Section Head of the first guided missile plant in the United States. Ed's ability to solve aerospace and industrial problems by inventing and innovating, attracted many other prominent companies to enlist his services.

In 1959, Ed was commissioned by a group of California Cancer Doctors to evaluate an original Rife Instrument they purchased for \$30,000. Rife had believed that

certain frequencies would "kill or blow up pathogens" by tuning in their resonance frequencies. Later Rife and some of his loyalists, started to compile lists of frequencies to correspond to illnesses and symptoms. Rife noticed that certain frequencies were starting to appear on different lists. He later concluded that these frequencies were not "killing" or "blowing up" any pathogens but, were probably boosting the ability of the body to do the job itself. Much later he called them, "universal healing frequencies."

**"The only known
"cure" for anything is
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Ed Skilling

Ed Skilling, with his genius and vast experience, recognized there was more to it than simply transmitting a "number on a meter" (frequency) toward the body. He understood and proved there was much more to it than simple frequencies. He took a more "body friendly" direction to communicate in harmony with the impedance (resistance) of the body to harmonize with cells, tissue, organs and systems of the body. He found that our immune system and regeneration system used this unique harmonic energy to improve its functions and

conditions. Ed took the long history of frequency technology in a more "result oriented" direction than anyone before him.

The death of Ed Skilling's daughter from cancer in 1983 and previous instances of cancer deaths in his family spurred Ed's interest and solidified his commitment to advance the use of electronic technologies for health and humanity. The United States Psychotronics Foundation awarded Ed Skilling the "Lifetime Achievement Award." He is the only person that has received "two" Lifetime Achievement Awards. The Photon Genie and the Photon Genius are his latest and greatest crowning achievements.

Ed Skilling understood that electro-magnetic harmonic frequencies, in effect, communicate and resonate with cells, tissue, organs and systems of the body. This allows

the immune system to gradually gain strength, thus empowering the body to balance, heal and regenerate naturally. Skilling would often say, *"The only known 'cure' for anything is your own God-given Immune System. All I did is figure out how to communicate with it and power it up."*

In the year 2000, after nearly 40 years of research and development, Ed Skilling released his greatest breakthrough technology incorporating a regeneration circuitry which he released as the Photon Genie. The Photon Genie is the first instrument that Ed developed to specifically prevent the body from acclimating (adjusting to, and becoming "used to", or insensitive to). Additionally, he incorporated all his innovative discoveries of his other instruments like Controlled Frequency Harmonics, Pulse Control and all the primary features of his Photon Maxima, i.e., the combination of Multiwave Oscillator, Frequency Broadcast, Lymphatic Drainage, Oxygenation, Photo-Bioelectric, Noble Gas Tube Technology and Subtle Energy Transmission, all into one powerful and easy-to-use portable instrument. This added the benefits of bio-electrical and frequency nourishment, detoxification, rejuvenation, and regeneration all at the same time on both the subtle and physical levels. The Photon Genie provides multiple dynamics using multiple transmitters combined with his uniquely powerful Noble Gas Tube Technologies providing the greatest bio-available electro-magnetic energy instrument ever created at that time.

In fact, virtually all electro-medical instruments created since 1980 are either designed by Ed Skilling or based on designs from Ed Skilling. Ed was the only inventor since the 1950's that not only understood and built on the work of the electro-medical giants of the past, i.e., Tesla, Abrams, Rife, Lakhovsky, etc., but far surpassed their efforts. It's simply not enough to laud the heroes from the past, Ed Skilling took the field of electro-medicine into the 21st Century almost single-handedly, and should be appreciated for the genius he is and the Genius Instruments he developed.

Ed Skilling and his Skilling Institute recently developed and released, in December of 2009, the Photon Genius. The Photon Genius was first featured at the World Congress of Anti-Aging in 2009. Skilling's Photon Genius Instrument is amplified and the first Energy Sauna in history. He incorporated all the innovative and "result oriented" technologies of the Photon Genie. The addition of Thermo-therapy, Far Infrared Technology and Sauna Therapy to the benefits of the Photon Genie provide a new technology that is years ahead of any electro-medical device in the world. The benefits of this new Energy Infrared Technology alone is significant because infrared is known to indirectly produce nitric oxide in the body. Nitric oxide, the so-called "miracle molecule" may well be the most significant medical advance of the past twenty years.

Ed Skilling is the most prolific inventor in the 100 plus year history of electro-medicine. Ed has always been known as a man with a gentle spirit and a man of unusual integrity who never developed technologies for personal credit or personal profit, but instead chose to devote his time to electronic inventions and innovations to relieve the suffering of people. His calm unassuming manner and actual humility contributed to the beneficial results his instruments always achieved. His personal character and humble devotion to results for others is probably why he is not better known outside the electro-medicine and alternative medical therapy fields, despite his historic, incredible genius.

INTRODUCTION TO THE PHOTON GENIUS

The key understanding is that it is the human body itself that produces the great life restoring energy and chemistry for good health and the Photon Genius dynamically triggers this chemical and energetic balancing effect to promote your body being the best it can be.

The Skilling Institute's Photon Genius combines the healing power of Noble Gases (Krypton, Xenon, Neon, Argon, Helium in a proprietary combination) transmitted in concert with Energy Infrared waves. The Photon Genius "targets" the whole body and/or any of its parts with Energy Infrared waves. This is the first instrument to "target" the body and its parts with Harmonic Energy Infrared to facilitate the body's ability to "balance" and detoxify while improving the body's ability to heal.

The Photon Genius stands about six feet tall in a horseshoe shape. Sitting or standing in front of it, you notice the color therapy with the Noble Gas tubes pulsating and transmitting energy from the Noble Gas glass tubes of various colors and the Energy Infrared heat being transmitted. The Photon Genius transmits Skilling proprietary Harmonic Energy through the Noble Gases vacuum sealed in the colorful glass tubes putting the gasses into a semi-plasma state. Due to the different molecular weight of each Inert Gas, the proprietary Skilling Energy transmitted through this unique combination of Noble Gases generates billions of Harmonics that resonate with the energies of the human body.

The Photon Genius nourishes the body with a complete spectrum of bio-available harmonic frequencies to break up blockages and barrier tissues in the body, while moving the lymphatic and circulatory

systems to assist in detoxification. Nourishment and "balance" is the driving principal behind this innovative approach to healing. Nourishing the body's powerful self-healing ability has much deeper and longer-lasting benefits than allopathically forcing a change of symptoms with chemicals" (Dr. Martha Grout). Symptoms are simply the body communicating to us about much deeper levels of physiological and energetic imbalances. The Energy Infrared heat is used to elevate the body temperature in much the same way the body triggers a fever to kill bacteria, germs, viruses and pathogens.



COMPLEMENTARY AND ALTERNATIVE MEDICINE

The National Center for Complementary and Alternative Medicine (NCCAM), formerly the Office of Alternative Medicine (OAM), a United States government agency (one of 27 National Institute of Health subsidiaries) dedicated to exploring complementary and alternative medicine (CAM) healing practices in the context of rigorous science, in training complementary and alternative medicine researchers, and in disseminating authoritative information to the public and professionals, denotes the following forms of medical systems:

- **Whole medical systems** such as homeopathy, naturopathy, traditional Chinese medicine, and ayurveda.
- **Mind-body** takes a holistic approach to health that explores the interconnection between the mind, body, and spirit. It works under the premise that the mind can influence bodily functions and conditions and symptoms.
- **Biologically based practices** such as dietary supplements, herbal supplements, and other therapies such as shark cartilage.
- **Manipulative and Body-Based Practices** such as spinal manipulation (both chiropractic and osteopathic) and massage.
- **Energy therapies** such as qigong, reiki, therapeutic touch, and electromagnetic therapy divided into two camps:
 - Biofield therapies are intended to influence putative (non-measurable) energy fields that surround and penetrate the body.
 - Bioelectromagnetic-based therapies use veritable (verifiable and measurable) electromagnetic fields, such as pulsed fields, alternating-current, direct-current fields, biophotonic energy in an unconventional manner.

Usage of Complementary Medicine and Integrative Medicine

Many people utilize mainstream medicine for diagnosis and basic information, while turning to alternatives for therapy or health-enhancing measures. Studies indicate that alternative approaches are often used in conjunction with conventional medicine. This is referred to by NCCAM as integrative (or integrated) medicine because it "combines treatments from conventional medicine and CAM for which there is some high-quality evidence of safety and effectiveness." According to Andrew T. Weil M.D., a leading proponent of integrative medicine. The principles of integrative medicine include: appropriate use of conventional and CAM methods; patient participation; promotion of health as well as treatment of disease; and a preference for natural, minimally-invasive methods.

A 1997 survey found that 13.7% of respondents in the United States had sought the services of both a medical doctor and an alternative medicine practitioner. The same survey found that 96% of respondents who sought the services of an alternative medicine practitioner also sought the services of a medical doctor in the past 12 months. Medical doctors are often unaware of their patient's use of alternative medical treatments as only 38.5% of the patients using alternative therapies discussed it with their medical doctor.

Edward Ernst, Professor of Complementary Medicine at the University of Exeter, wrote in the Medical Journal of Australia that "about half the general population in developed countries use complementary and alternative medicine (CAM)." Survey results released in May 2004 by NCAAM found that in 2002, 62.1% of adults in the country had used some form of CAM in the past 12 months and 75% across their lifespan. This study included yoga, meditation, herbal treatments and the Atkins diet as CAM. Another study suggests a similar figure of 40%.

The use of alternative medicine in developed countries appears to be increasing. A 1998 study showed that the

use of alternative medicine had risen from 33.8% in 1990 to 42.1% in 1997. In the United Kingdom, a 2000 report ordered by the House of Lords suggested that "...limited data seem to support the idea that CAM use in the United Kingdom is high and is increasing." In developing nations, access to essential medicines is severely restricted by lack of resources and poverty. Traditional remedies, often closely resembling or forming the basis for alternative remedies, may comprise primary healthcare, or be integrated into the healthcare system. In Africa, traditional medicine is used for 80% of primary healthcare, and in developing nations as a whole, over one-third of the population lack access to essential medicines.

Advocates of alternative medicine hold that the various alternative treatment methods are effective in treating a wide range of major and minor medical conditions, and that recently published research (such as Michalsen, 2003, Gonsalkorale 2003, and Berga 2003) proves the effectiveness of specific alternative treatments. They assert that a PubMed search revealed over 370,000 research papers classified as alternative medicine were published in Medicine-recognized journals since 1966 in the National Library of Medicine database. See also Kleijnen 1991, and Linde 1997.

Complementary therapies are often used in palliative care, or by practitioners attempting to manage chronic pain in patients. Complementary medicine is considered more acceptable in the interdisciplinary approach used in

palliative care than in other areas of medicine. "From its early experiences of care for the dying, palliative care took for granted the necessity of placing patient values and "quality of life" at the core of any design and delivery of care at the end of life. If the patient desired complementary therapies, and as long as such treatments provided additional support and did not endanger the patient, they were considered acceptable." The non-drug interventions of complementary medicine can employ mind-body interventions designed to "reduce pain and concomitant mood disturbance, and increase quality of life."

Physicians who practice complementary medicine usually discuss and advise patients as to available complementary therapies. Patients often express interest in mind-body complementary therapies because they offer a non-drug approach to treating some health conditions. Some mind-body techniques, such as cognitive-behavioral therapy, were once considered complementary medicine, but are now embraced as a part of conventional medicine in the United States.

"Complementary medicine treatments used for pain include: acupuncture, low-level laser therapy, meditation, aroma therapy, Chinese medicine, dance therapy, music therapy, massage, herbalism, therapeutic

touch, yoga, osteopathy, chiropractic, naturopathy, and homeopathy." Interestingly enough, electromagnetic and electro-medicine are now routinely used in allopathic medicine for bone regeneration and pain management, among others, while still considered a "complementary treatment."

"About half the general population in developed countries use complementary and alternative medicine (CAM)."

Edward Ernst

ENERGY IN LIVING SYSTEMS

Electromagnetic waves can be used for diagnostic purposes because living organisms are energy-based. Historically, most cultures have erroneously regarded the body solely as a mechanical and biochemical organism. Every cell in the body is a transmitter and receiver of electromagnetic information.

The following are examples of how human beings, animals, and plants contain and respond to electromagnetic fields:

- During migration, monarch butterflies, locusts, and even blindfolded birds navigate flawlessly. Salamanders and turtles also use magnetic fields to navigate. We now know that magnetite, a highly magnetic mineral, is found in the tissue and brains of insects, birds, reptiles, and amphibians.
- Bacteria use their magnetic sense to burrow deeper into the mud. We now know that magnetite is also present in bacteria and protozoa.
- Many kinds of fish are able to follow each other in organized formations ("schools") due to the magnetic fields generated by the magnetite in their bodies.
- The whiskers of dogs, cats, and other animals are now recognized to function as antennas, due to their sensitivity to electromagnetic fields.
- In plants, the sharp points of leaves, as well as pine needles and the blades of some species of grass, act like antennas for electrical signals.
- Melatonin, a hormone that (among other functions) helps induce sleep, is produced by the pineal gland only in darkness. We now know that the pineal gland, deep inside the brain in the skull, is exquisitely sensitive to light.
- Stingrays find food because they can detect normal, minute amounts of electrical discharge or magnetic fields emanating from their prey.

- Fish, dolphins, and whales use both the Earth's magnetic fields and sonar (sound) for navigation and communication.
- The behavior of some animals has long been used to forecast earthquakes. Cattle stampede, birds sing at the wrong time of day, mother cats move their kittens, snakes seek shelter. B. Blake Levitt writes: "It is now thought that [the animals] are reacting to changes in the Earth's magnetic field, as well as to electrostatic charges in the air — long before the quake actually occurs or registers on even the most sensitive instruments."

In his article "The Electrical Properties of Cancer Cells," medical doctor Steve Haltiwanger describes how the body partly functions as a living electrical circuit. Various cells and tissues are conductors (allow for electron flow), insulators (inhibit electron flow), semiconductors (allow for electron flow in only one direction), capacitors (accumulate and store a charge, later to release that charge), and so on. Cells transmit and receive energy, and each has its very own frequency with which it oscillates.

Magnetic fields applied to the body create biological changes, as do electrical fields (which are related to magnetic fields.) We now know that in humans, the sinuses, some other bones in the face, and various tissues in the body contain magnetite.

Not only is every cell in the body a transmitter and receiver of electromagnetic information, it is these various electromagnetic frequencies that precede and correspond to biochemical functions. For example, healthy cells oscillate at higher frequencies than do unhealthy cells such as cancer cells. The lower frequency of cancer is reflected by (and causes) the aberrant biochemical reactions within the cell. Put another way, the biochemical differences between normal healthy cells and cancer cells correspond to the differences in the electrical properties of each. The same holds true for magnetic fields. Magnetic fields correspond to biological activity. A change in the magnetic field means a change in the cells, either beneficial or harmful.

HEALING EFFECTS OF ELECTROMAGNETIC RADIATION AND FIELDS

Healing Effects of Electromagnetic Radiation and Fields

Considering the extent of artificially created, non-beneficial electro-magnetic radiation that surrounds us, it's not surprising that (aside from the contributing factors of poor diet, toxins, pathogens, and chemical pollutants) so many people are ill and the rest just don't feel good a lot of the time. The good news is that if frequencies can harm, they can also be managed and controlled to promote healing.

Cells have the ability to positively and healthfully respond to minute electromagnetic stimulus—as long as certain criteria are met. The stimulus must be from the correct region of the electro-magnetic spectrum. It must be further refined (if necessary) to an exact frequency, or combination of frequencies on that electro-magnetic band. It must be the correct intensity, and where possible, transmitted in harmony with the natural impedance (resistance) of the body. It must have the correct shape wave, or wave packet. It must be administered in the correct amounts and durations. And it must be accurately and precisely focused at the target.

In electronics, the term inductive coupling refers to the transfer of energy from one component to another through a shared magnetic field. In electro-medicine (EM), the response of living cells to beneficial EM radiation is also known as inductive coupling. Once the EM fields inside a cell are exposed to EM radiation, the fields within the cell start to move. Along with this energetic process, the corresponding biochemical responses are activated, such as the movement of electrolytes through the cell membrane, excretion of wastes, and so on. Inductive coupling is being utilized in a growing number of extremely effective electro-medical instruments.

The exquisite sensitivity of cells to electromagnetic fields of all kinds explains why electro-medical instruments work.

Researchers are discovering that many of the beneficial effects from electro-medical instruments come from pulsed magnetic fields (which, by definition, become electromagnetic radiation.) Pulsing a magnetic field does more than induce movement in the body receiving the signal. Because pulsing, by definition, means that there is an "off" period to the signal, it ensures that the human or animal receiving the signal does not become acclimated, or resistant to its effects. A good analogy is someone tapping your arm. At first you pay attention; but after awhile, the body becomes impervious to the sensation so it can focus on other stimuli. This is just one of the many secrets of Ed Skilling's electro-medicine instruments that are effective. Correctly employed, frequency therapies can increase cell energy, normalize membrane conductivity, lessen oxidative stress, reduce the amounts of inflammatory chemicals in the blood, improve protein synthesis, boost feel-good endorphin levels, restore depleted adrenal function, and enhance immune function while bypassing the body's natural impedance. The restoration of these metabolic processes lead to the regeneration of tissue as well as increased resistance to disease.

"Bigger is better" and "More is better" figure prominently in the Western mindset. The unbridled use of massive doses of many different kinds of drugs and the routine practice of "prophylactic" invasive surgeries illustrate this mentality. Another, more humane edict — "Less is more" — reflects what the body usually needs. The exquisite sensitivity of cells to electromagnetic fields of all kinds explains why electro-medical instruments work. Low power energies might not be easily perceived subjectively, but they are the most compatible with living systems.

Electro-medicine therapies may use many portions of the EM spectrum: electrical current, magnetism, visible light, far infrared (FIR), ultraviolet (UV), and heat (in the form of specific, FIR wavelengths.)

Veritable Cellular Energy

As shown previously, the body's cells are electric. Researchers at Harvard University say that when an embryo is only 4 cells in size, an electrical gradient starts switching on the genes that allow the developing embryo to distinguish right from left.

Essentially, every cell in the body is a miniature battery. Normally the outside of the cell has a positive electrical charge and the inside has a negative charge. But these charges may momentarily be reversed based on the action of "ion pumps" on the cell membrane that drive sodium ions out of the cell and pump potassium ions into the cell (an ion is an atom or group of atoms that carries an electrical charge.)

This movement of electrically charged ions at the cellular level is the basic building block in the complex electromagnetic workings of your "body electric." And while this current may be basic, it is NOT small in relation to its size. The smallest voltmeters created by University of Michigan biophysical chemist Raoul Koppelman in 2008 can fit thousands of voltmeters inside a single human cell and still take up only one-millionth of the cell's volume. Interestingly enough, the charge measured by the new tiny voltmeters is in excess of 15 million volts per meter throughout. This is about the strength of lightning, and now proves that the cell is NOT 99.9% electrically dormant, but full of electrical and chemical energy throughout and not just in the cellular membrane as previously thought.

Creation of Cellular Electrical Energy

Electricity is a fundamental entity of nature consisting of negative and positive particles exhibiting attractions and

repulsions. These attractions and repulsions manifest themselves as movements of these charged particles, or in other words – electrical current. This form of energy plays a critical role in the proper function of our body.

The key players in creating the electric energy within our body are structures called ions. An ion is an atom or group of atoms carrying an electric charge by virtue of having gained or lost one or more valence electrons. Valence electrons are those electrons in the outer ring of electrons orbiting the nucleus of the atom. Ions may exist in solid, liquid, or gaseous environments, although those in liquid are more common and familiar. Most ionic compounds fall in the category of chemicals called salts.

Ions existing in a liquid state are electrolytes. An electrolyte is any compound that, in solution, conducts electricity and is decomposed or electrolyzed by the electricity. This form of compound is ionizable in solution.

Electrolytes, or in other words compounds that are ionizable in solution, play an essential role in many body functions. Cells create electrical energy as ions move from the solutions inside the cells of our body to the solutions outside the cells. This form of energy is a staple in the normal function of human

body systems. For example, the nervous system uses electrical energy, termed nerve impulses, to transmit messages from one cell in the body to another cell in the body. This manifests as muscle movement, glandular secretion, excretion, temperature regulation, and even mental thought.

In the body, fluids both inside and outside the cells are electrolyte solutions. This means they are water suspensions of ions. The electrolyte solutions both inside and outside the cells contain equal amounts of positive

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(cations) and negative (anions) ions making the body as a whole electrically neutral. The limiting boundary of the cell, the cell membrane, separates these ionic solutions. Generally, a very small excess of anions accumulates immediately inside the cell membrane along its inner surface, and an equal number of cations accumulates immediately outside the cell membrane. This is the resting state of the cell. This difference in ion concentration on the adjacent surfaces of the cell membrane creates an electrical energy potential, or electrochemical gradient. This is very similar to a battery where one end has a larger concentration of positively charged particles and the other end a greater concentration of negatively charged particles. Completing the circuit by connecting the ends of the battery, allows charged particles to move between the two ends creating energy as an electrical current. A similar energy source arises in the body as charged ions move across the cell membrane.

In our bodies, the nervous and muscular systems use the electrolyte properties of ionic sodium and potassium, assisted by lesser trace elements (e.g. copper) to generate currents across the membranes of their cells. This current, or movement of charged particles, results from the electrochemical gradient set up across the cell membrane. The electrochemical gradient sets up the two types of movement that produce the current. The chemical gradient results in the passive movement of ions from a region of higher concentration to a region of lower concentration. The electrical gradient creates a movement of ions of one charge to an area of ions of the opposite charge. The result of this current is the transmission of nerve impulses and the contraction of muscle tissue.

The ionic particles of the nervous impulse can be visualized in the following simplified process. Neurons, the conducting cells of the nervous system, communicate by generating and propagating action potentials. An action potential is an abrupt pulse-like change in the positive-negative charge differential on either side of the nerve cell membrane. This results in a change of the resting potential of the cell. This can be caused by any factor that suddenly increases the permeability of the cell membrane for positively charged sodium ions. This movement of ions results in a flow of charged particles into and out of the cell, creating an electrical current. The replication of this process to adjacent areas of the cell membrane forms the electrical message, or nervous impulse, that moves along the nerve cell toward another cell in the body. This propagated action potential then becomes the energy source that initiates body functions ranging from muscle contraction to creative thought.

Ions, as we can see, play an important role in the body. Calcium, potassium, sodium, chloride, and copper ions are some key ions that participate in the body's electrical events. Potassium is the major positive ion inside the cell. Sodium is the major positive ion found in the fluid outside the cell. Ionic chlorine is the most abundant negative ion. Imbalances of any of these ions, or certain trace ions in the body, or inhibition of sodium ion transport across the cell membranes can lead to dysfunction in the conduction of electrical messages. This dysfunction quickly leads to a general body disturbance and loss of ability to maintain somewhat stable internal conditions. The body requires "balance" for maximum health and it starts in the body's cells.

OUR CELLS PRODUCE LIGHT

Not only are the body's cells generating electricity and a corresponding electromagnetic field, both of which can now be measured, but the cells also emit visible light. The existence of this endogenous light was discovered in the 1920's by the Russian embryologist Alexander Gurwitsch and has been conclusively demonstrated by modern biophysicists since the late 1960's with state-of-the-art technology and new research methods.

All living organisms, including humans, emit a low-intensity glow that cannot be seen by the naked eye, but can be measured by photo-multipliers that amplify the weak signals several million times and enable the researchers to register it in the form of a diagram. As long as they live, cells and whole organisms give off a pulsating glow with a mean intensity of several photons, up to a few ten thousand photons, per second.

This corresponds to a candle-light seen from 15 miles distance and is tens to hundreds of millions times weaker than daylight. This glow can also be made visible by means of a CCD camera whose input of differences in brightness is then transformed by a computer into colors displayed on a video screen.

Because of its low intensity, this cellular glow, also known as biophoton emission, is often referred to as ultra-weak cell radiation, or ultra-weak bioluminescence. Its spectral range of frequencies (colors) extends from 200 - 800 nanometers, i.e., from UV-C and UV-A through the whole visible range into the infrared part of the spectrum.

It should not be confounded with the "bioluminescence" of fire-flies, glow-worms, deep sea fishes, and rotting wood which is much stronger, has different properties, and is clearly of chemical origin.

In the 1960's the first reports by Russian scientists about "ultra-weak cell radiation", as mitogenetic radiation is now called, were published in Western languages. While

Russian scientists had done extensive investigations with photo-multipliers since the late 1940's, systematic Western research in this field only started with the experiments of the Australian physical chemist Terence I. Quickenden in the late 1960's and early 1970's, and finally with the work of the German biophysicist Fritz Albert Popp from 1974 onwards.

Popp and his collaborators at the University of Marburg, and later at the University of Kaiserslautern and the International Institute of Biophysics at Kaiserslautern and Neuss, were the first to carry out systematic experimental and theoretical investigations of all questions related to this new biological phenomenon.

Since then, Popp and his colleagues, and many other researchers all over the world, have not only demonstrated the existence and ubiquity of biophoton emission beyond any reasonable doubt, but also have established its properties, have developed and tested a number of hypotheses about its possible biological functions, for which much evidence has now been found, have done a lot of theoretical work towards a biophoton theory explaining all or some of the phenomena observed, and have started to develop a number of practical applications for the use of biophoton measurements of microorganisms, plants, animals, and humans.

Today, the International Institute of Biophysics (IIB) founded by Popp and some of his colleagues in 1996 has become an international research network comprising 22 members of 14 research groups at universities in the USA, China, Russia, Poland, India, Japan, Korea, Israel, Italy, England, and Germany.

Altogether, there are about 40 research groups worldwide working in biophoton research.

Source: University of Utah

THE COHERENCE OF BIOPHOTONS

Biophotons consist of light with a high degree of order, in other words, biological laser light. Such a light is very quiet and shows an extremely stable intensity, without the fluctuations normally observed in light. Because of their stable field strength, its waves can superimpose, and by virtue of this, interference effects become possible that do not occur in ordinary light. Because of the high degree of order, the biological laser light is able to generate and keep order and transmit information in the organism.

In biophoton research, the property of coherence mainly shows in the "hyperbolic decay" of so-called "induced emission." Two types of measurement are used in biophoton research. In the spontaneous emission of a sample it is practically impossible to provide evidence of coherence. For this reason, the measurement of "induced emission" has become an important instrument of biophoton research, where it is possible to determine the degree of coherence of the light emitted by the organism. Here, the sample is illuminated by a short flash of light before the researcher measures in which way the absorbed light is given off again. In doing so, he can observe that biophoton emission from living tissue shows a very extended decaying process lasting for a period of minutes to hours, something which is never observed in dead objects.

Furthermore, this decay continuously slows down, such that the decay curve becomes flatter all the time and the emission never really ceases. Popp has given proof that such a decaying behavior, which graphically is displayed in the form of a hyperbolic curve, is evidence of the coherence of the measured emission and indicates that light is stored in the tissue.

Another conclusion that can be drawn from this behavior of the re-emitted biophotons is that the emission is not originating from isolated molecules in the cells, but that the emitting molecules are coupled by a connecting coherent radiation field. A central role in the light storage seems to be attributable to the DNA in the cell nucleus which Popp's group has shown to be the main light source in the cell.

Source: International Light Association

BioPhotons and a New Picture of the Human Body

The experimental findings of biophoton research, together with recent insights from other fields of advanced science, are suggesting an entirely new picture of the living organism. First of all, as a complement to the solid body of molecules, we have an important new component or aspect of the organism to consider. Namely, the "electromagnetic field body" (Zhang, 2003). From this point of view, the living organism appears as a highly complex and self-tunable resonating system of oscillating fields that are coupled nonlinearly by their phase relations (Bischof, 2003.)

If we consider the role of the molecules, the organism can be defined as a extremely sensitive and highly effective antennae system, able to tune itself according to need to a broad range of frequencies and polarizations. The organism is able to react sensitively to the smallest stimuli, but at the same time can also abruptly become transparent for quite strong stimuli.

Not only is the human body electric and electromagnetic, but biophotonic, as well. This massive increase in our knowledge about veritable energy in the body has now shown to be able to produce cellular intelligence, communication, transmission and even consciousness.

Photons (Light) Control Everything in the Cell

Photons switch on the body's processes like an orchestra conductor bringing each individual instrument into the collective sound. At different frequencies, they perform different functions. Popp found that molecules in the cells responded to certain frequencies, and that a range of vibrations from the photons caused a variety of frequencies in other molecules of the body.

This theory has been supported by Dr. Veljko Veljkovic who now heads the Center for Multidisciplinary Research and Engineering, Institute of Nuclear Sciences Vinca. She dared to ask the question that has forever puzzled cellular biologists: What is it that enabled the tens of thousands of different kinds of molecules in the organism to

recognize their specific targets? Living processes depend on selective interactions between particular molecules, and that is true for basic metabolism to the subtlest nuances of emotion. It's like trying to find a friend in a very big, very crowded ballroom in the dark.

The conventional picture of a cell even now is that of a bag of molecules dissolved in water. And through bumping into one another by chance – random collisions – those molecules that have complementary shapes lock onto to each other so the appropriate biochemical reactions can take place. This 'lock and key' model has been refined to a more flexible (and realistic) 'induced fit' hypothesis that allows each molecule to change shape slightly to fit the other better after they get in touch, but the main idea remains the same.

It is supposed to explain how enzymes can recognize their respective substrates, how antibodies in the immune system can grab onto specific foreign invaders and disarm them. By extension, that's how proteins can 'dock' with different partner proteins, or latch onto specific nucleic acids to control gene expression, or assemble into ribosomes for translating proteins, or other multi-molecular complexes that modify the genetic messages in various ways. But, with thousands – or even hundreds of thousands of reactions happening each second in just one cell, this seems pushing the "mechanical" concept a bit too far. What has been proposed is that somehow each molecule sends out a unique electromagnetic field that can "sense" the field of the complementary molecule. It's as if there is a "dance" in the cellular medium and the molecules move to the rhythm. The music is supplied by the biophoton.

"Veljkovic and Cosic proposed that molecular interactions are electrical in nature, and they take place over distances that are large compared with the size of molecules. Cosic later introduced the idea of dynamic

electromagnetic field interactions, that molecules recognize their particular targets and vice versa by electromagnetic resonance. In other words, the molecules send out specific frequencies of electromagnetic waves which not only enable them to 'see' and 'hear' each other, as both photon and phonon modes exist for electromagnetic waves, but also to influence each other at a distance and become ineluctably drawn to each other if vibrating out of phase (in a complementary way.)"
– The Real Bioinformatics

Once the photon
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"There are about 100,000 chemical reactions happening in every cell each second. The chemical reaction can only happen if the molecule that is reacting is excited by a photon. Once the photon has excited a reaction it returns to the field and is available for more reactions... We are swimming in an ocean of light."

These 'biophoton emission', as Popp called them, provided an ideal communication system for the transfer of information to many cells across the organism. But, the single most important question remained: where was the light coming from?

A particularly gifted student talked him into another experiment. It is known that when ethidium bromide is applied to samples of DNA, it insinuates itself in between the base pairs of the double helix, causing DNA to unwind. The student suggested that, after applying the chemical, they measure the light coming from the sample. Popp found that the greater the concentration of ethidium, the more the DNA unraveled, but also the stronger the intensity of light. Conversely, the less he used, the less light was emitted.

He also found that DNA could send out a wide range of frequencies, some of which seemed to be linked to certain functions. If DNA stored this light, it would naturally emit more light on being unzipped.

These and other studies proved to Popp that one of the most essential sources of light and biophoton emissions was DNA. DNA was like the master tuning fork of the body. It would strike a particular frequency and certain molecules would follow. It was also possible, he realized, that he had stumbled upon the missing link in current DNA theory that could account for perhaps the greatest miracle of all in human biology – how a single cell can turn into a fully formed human being.

How Cells Talk to Each Other

When you get a cut or scratch on your skin, the cells that are injured somehow signal the surrounding healthy cells to begin reproducing copies of themselves to fill in and mend the opening. When the skin is back to normal, a signal is sent to the cells to tell them to stop reproducing. Scientists have wondered exactly how this works.

With bio-photon emissions, Popp believed he had an answer to this question. This phenomenon of coordination and communication could only occur in a holistic system with one central conductor. Popp showed in his experiments that these weak light emissions were sufficient to orchestrate the body's repairs. The emissions had to be low intensity, because these communications took place on a very small, intracellular, quantum level. Higher intensities would have an effect only in the world of the large and would create too much "noise" to be effective.

The number of photons emitted seemed to be linked to the organism's position on the evolutionary scale, the more complex the organism, the fewer photons were emitted.

In one series of studies, Popp had one of his assistants, a 27-year-old healthy young woman, sit in the room every day for nine months while he took photon readings of a small area of her hand and forehead. Popp then analyzed the data and discovered, to his surprise, that the light emissions followed certain set patterns, biological rhythms at 7, 14, 32, 80 and 270 days, and similarities were also noted by day or night, by week and by month, as though the body were following the world's biorhythms as well as its own.

Cancer is a Loss of Coherent Light

So far, Popp had studied only healthy individuals and found an exquisite coherence at the quantum level. But what kind of light is present in those who are ill?

Popp tried out his machine on a series of cancer patients. In every instance, these patients had lost those natural periodic rhythms as well as their coherence. The lines of internal communication were scrambled. They had lost their connection and rhythmic "balance" with the world. In effect, their light was going out.

Just the opposite is seen with multiple sclerosis: MS is a state of too much order. Patients with this disease are taking in too much light, thereby inhibiting their cells' ability to do their job. Too much cooperative harmony prevented flexibility and individuality – like too many soldiers marching in step as they cross a bridge, causing it to collapse. Perfect coherence (balance) is an optimal state between chaos and order. With too much cooperation, it is as though individual members of the orchestra are no longer able to improvise.

Popp also examined the effects of stress. In a stressed state, the rate of bio-photon emissions goes up, a defense mechanism designed to restore the patient's equilibrium. Popp now recognized that what he'd been experimenting with was even more than a cure for cancer. Here was a model that provided a better explanation than the current neo-Darwinist theory for how living things evolve on the planet. Rather than a system of fortunate but ultimately random error, if DNA uses frequencies of every variety as an information tool, this suggests a feedback system of perfect communication through waves that encode and transfer information.

"Good Vibes" Means Coherent Light

Popp came to realize that light in the body might even hold the key to health and illness. In one experiment, he compared the light from free-range hens' eggs with that from penned-in, caged hens. The photons in the former were far more coherent than those in the latter.

Popp went on to use biophoton emissions as a tool for measuring the quality of food. The healthiest food had the lowest and most coherent intensity of light. Any disturbance in the system increased the production of photons. Health was a state of perfect subatomic communication, and ill health was a state of communication breakdown. We are ill when our energy waves are out of synch.

Biophoton emission detection is currently used commercially in the food industry. Agricultural science is looking at biophoton emissions to determine plant health for the purposes of food quality control.

It took some 25 years for Popp to gather converts from among the scientific community. Slowly, a few select scientists around the globe began to consider that the body's communication system might be a complex network of resonance and frequency. Eventually, they would form the International Institute of Biophysics, composed of 15 groups of scientists from international centers around the world.

Popp and his new colleagues went on to study the light emissions from several organisms of the same species, first in an experiment with a type of water flea of the genus *Daphnia*. What they found was nothing short of astonishing. Tests with a photo-multiplier showed that the water fleas were sucking up the light emitted from each other. Popp tried the same experiment on small fish and got the same result. According to his photo-multiplier, sunflowers were like biological vacuum cleaners, moving in the direction of the most solar photons to vacuum them up. Even bacteria swallowed photons from the media they were put in.

Communication Between Organisms

Thus, it dawned on Popp that these emissions had a purpose outside of the body. Wave resonance wasn't only being used to communicate inside the body, but between living things as well. Two healthy beings engaged in 'photon sucking', as he called it, by exchanging photons. Popp realized that this exchange might unlock the secret of some of the animal kingdom's most persistent conundrums: how schools of fish or flocks of birds create perfect and instantaneous coordination. Many experiments on the homing ability of animals demonstrate that it has nothing to do with following habitual trails, scents or even the EM fields of the earth, but rather some form of silent communication that acts like an invisible rubber band, even when the animals are separated by miles of distance.

For humans, there was another possibility. If we could take in the photons of other living things, we might also be able to use the information from them to correct our own light if it went awry.

Popp had begun experimenting with such an idea. If cancer-causing chemicals could alter the body's biophoton emissions, then

it might be that other substances could reintroduce better communication. Popp wondered whether certain plant extracts could change the character of the biophoton emissions from cancer cells to make them communicate again with the rest of the body. He began experimenting with a number of non-toxic substances purported to be successful in treating cancer. In all but one instance, these substances only increased the photons from tumor cells, making them even more deadly to the body.

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The single success story was mistletoe, which appeared to help the body to “re-socialize” the photon emissions of tumor cells back to normal. In one of numerous cases, Popp came across a woman in her thirties who had breast and vaginal cancer. Popp found a mistletoe remedy that “created coherence” in her cancer tissue samples. With the agreement of her doctor, the woman stopped any treatment other than the mistletoe extract and, after a year, all her laboratory tests were virtually back to normal.

To Popp, homoeopathy was another example of photon sucking. He had begun to think of it as a 'resonance absorber'. Homoeopathy rests upon the notion that like is treated with like. A plant extract that at full strength can cause hives in the body is used in an extremely diluted form to get rid of it. If a rogue frequency in the body can produce certain symptoms, it follows that a high dilution of a substance that can produce the same symptoms would also carry that frequency. Like a resonating tuning fork, a suitable homoeopathic solution might attract and then absorb the abnormal oscillations, allowing the body to return to normal “balance” and health.

Popp thought that electro-magnetic molecular signaling might even explain acupuncture. According to Traditional Chinese Medicine, the human body has a system of meridians, running deep in the tissues, through which flows an invisible energy the Chinese call Chi, or the life force. The Chi energy supposedly enters the body through these acupuncture points and flows to deeper organ structures, which do not correspond to those in Western biology, providing energy (or the life force.) Illness occurs when this energy is blocked, or interfered with at any point along the pathways. According to Popp, the meridian system transmits specific energy waves to specific zones of the body.

Research has shown that many of the acupuncture points have a dramatically reduced electrical resistance compared with the surrounding skin (10 kilo-ohms and 3 mega-ohms, respectively). Orthopedic surgeon Dr. Robert Becker, who has done a great deal of research on EM fields in the body, designed a special electrode recording

device that rolls along the body like a pizza cutter. His many studies have shown electrical charges on every one of the people tested corresponding to the Chinese meridian points.

Source: The Field: The Quest for the Secret Force of the Universe, by Lynne McTaggart

The Light Energy in Our Food

Popp began thinking about light in nature. Light was present in plants and was used during photosynthesis. When we eat plant foods, he thought, it must be that we take up the photons and store them.

When we consume broccoli, for example, and digest it, it is metabolized into carbon dioxide (CO₂) and water, plus the light stored from the sun and photosynthesis. We extract the CO₂ and eliminate the water, but the light, an electro-magnetic wave, must be stored. When taken in by the body, the energy of these photons dissipates and becomes distributed over the entire spectrum of electro-magnetic frequencies, from the lowest to the highest.

This energy is the driving force for all the molecules in our body. Photons switch on the body's processes like a conductor bringing each individual instrument into the collective sound. At different frequencies, they perform different functions. Popp found that molecules in the cells responded to certain frequencies, and that a range of vibrations from the photons caused a variety of frequencies in other molecules of the body. Light waves also answered the question of how the body manages to carry out complicated feats with different body parts instantaneously, or do two or more things at once.

Popp went on to use biophoton emissions as a tool for measuring the quality of food. The healthiest food had the lowest and most coherent intensity of light. Any disturbance in the system increased the production of photons. Health was a state of perfect subatomic communication, and ill health was a state of communication breakdown. We are ill when our waves are out of synch.

How Sound, Light and Electromagnetic Radiation Can Heal the Body

The body is comprised of electro-magnetic radiation. It emits electro-magnetic waves and responds to electro-magnetic waves. All biological functions correspond to electromagnetic phenomena. The electromagnetic energies that exist in living tissue are extremely potent. When you target a living cell with the energy that it needs, it will respond favorably, and health can be restored in an amazingly short period of time.

Electro-medicine covers a vast territory of different energies. The therapies discussed here and following, i.e., electro-magnetic radiation, frequency harmonics therapy, far infrared energy, electrical current, oscillating and pulsed magnetic fields, radio waves, light and sound therapy are each and all part of the Photon Genius transmission system. Conventional physics does not regard sound as part of the electromagnetic spectrum per se. However, every frequency in the electromagnetic spectrum has a corresponding sound (vibration), even if we cannot hear it. Thus, audible and inaudible sound has an intricate relationship to electro-magnetic frequencies and can also be utilized for healing.

The Photon Genius

The Photon Genius is essentially an Energy-Medicine Instrument that provides the following energies and therapies for use by the human body:

1. Electrical Energy – after all, the human body is electric and needs electrical current to run, providing nerve impulses and communications for controlling mitosis to thought, cellular communication to healing, intelligence to consciousness and self-awareness, and from pain to pleasure, et al.
2. Electro-magnetic Energy – all electrical fields produce a corresponding electromagnetic field and the body's fields can now be seen and measured. EM fields provide communication, health and many other benefits.
3. BioPhotonic Energy – while long suspected and/or known, the human body and each cell in the body produce light from its DNA. However, only until recently have scientists been able to accurately verify and measure this photobiotic energy known as biophotons. Our bodies are swimming in an ocean of light.
4. Frequency Harmonics – the body needs both frequency and harmonic frequencies to operate in a balanced, healthy manner. Healthy cells operate in a specific harmonic oscillation and abnormal cells operate at a lower harmonic frequency and opposite polarity, producing anaerobic energy rather than healthy aerobic energy. Frequency harmonics are generated and controlled by Skilling proprietary electronic transmission of electrical and electromagnetic energy.
5. Energy Infrared Radiation – Specific light and energy frequencies, such as Skilling proprietary Energy Infrared, are essential to good health. 80% of the sun's rays are infrared. The Photon Genius provides a full spectrum range of near to far infrared transmission. The Photon Genius allows the user to control and administer (settings from zero to ten) any infrared micron size waves, energy and intensity transmitted. The Photon Genius converts infrared emitters to newly developed Energy Infrared Transmitters that can be "targeted" to any/all parts of the body.
6. Ionized Noble Gas Technology – produces the Skilling proprietary Noble Gas frequency harmonics transmitted by the Photon Genius and provides the body with harmonic energy, electrons and photons, to harmonize with the body's natural impedance, devitalizing and disarming pathogens and re-invigorating and returning abnormal cells to their previous balanced healthy state while assisting the body in returning to a natural homeostasis.
7. Heat Therapy - is provided naturally with the controllable infrared transmission penetrating deeply into the cells, tissues and organs of the body providing controlled and "targeted" hyperthermia benefits.

8. Sauna Therapy – is also provided by the Photon Genius that is probably the most innovative non-biochemical approach to body detoxification ever created. Energy Infrared Heating is completely controllable and targetable.
9. Anti-oxidative Therapy - is provided through the introduction of ozone, and thereafter converted to hydrogen peroxide in the body, through the skin. Pathogens cannot survive in the presence of ozone, hydrogen peroxide or Nitric Oxide, yet the cells are assisted in receiving oxygen from the blood through these beneficial substances and this improved circulation.
10. Light Therapy – is also provided with the proprietary Noble Gas Tube Technology with four groups of vacuum-sealed noble gas tubes that are ionized in a plasma state to produce the dynamics of frequency harmonics transmitted through different healing colors producing different harmonic frequencies of bio-photonic energy at the same time. There are 150 linear feet of Noble Gas tubes providing the greatest harmonic frequency concentration and transmission in the widest range and intensity of any instrument in existence.
11. Nitric Oxide Therapy - is provided from the Energy Infrared Transmission and Skilling Noble Gas Technology and produces Nitric Oxide in the body. Nitric oxide is considered the body's "miracle molecule" and is documented to be essential to correct many conditions of the body from diabetes to hypertension, cancer to drug addiction, stroke to intestinal motility, memory and learning disorders to septic shock, sunburn to anorexia, male impotence to tuberculosis. There is probably no pathological condition where Nitric Oxide does not have a positive impact.
12. Fitness and Health – in addition to the above, Skilling Energy Infrared has been shown to assist in weight management. One well administered session can burn up to 700 calories in approximate 30-40 minutes. Infrared has been shown to reduce cellulite and to dramatically improve and revitalize skin. Most who use the Photon Genius detoxify the skin, reduce blemishes, reduce wrinkles, promote elasticity of skin and tissues, reduce pain and improve overall conditioning of the body.

Please read the following sections for the extensive research documenting and supporting these and other benefits of the amazing Photon Genius. No other instrument in the world provides full spectrum Energy Infrared with full spectrum Frequency Harmonics delivering some of the greatest health benefits ever seen. The Photon Genius operates at the physical, cellular, atomic, quantum and subtle energy levels to provide unparalleled harmonic energy to the human body in a safe and natural manner "powering up" the immune system and special forces of the body. The Photon Genius should be an integral part of one's wellness protocol. When it comes to your health, you don't have to be a genius, you just have to use one.

This information is for informational and educational purposes only and is not intended to replace or substitute the advice and/or services of a physician or other health care professional. It is not our intention to prescribe or make specific health claims for any of our technologies or products. Any attempt to diagnose and treat illness should come under the direction and supervision of your health care practitioner.

Section 2: Energy Infrared

WHAT IS INFRARED?

The Infrared spectrum is divided into three segments by wavelength, which is measured in microns (1/1,000,000 of a meter).

- 0.76 to 1.5 microns = near Infrared
- 1.5 to 5.6 microns = middle Infrared
- 5.6 to 1000 microns = FAR Infrared

This wavelength of light warms objects without warming the air between the source and the object (known as conversion). This radiant heat can also be called Infrared Energy (IR). Do not confuse this with UV radiation (sunburn) or atomic radiation (nuclear) - see the diagram on the following page for where these types of light fall on the spectrum.

Infrared waves are not visible to human eyes but can be seen by special instruments that translate infrared into colors that are visible to our eyes. The best example is the sun (80% of the sun's rays are infrared). Our atmosphere allows infrared rays in the 7 to 14 micron range to safely reach earth's surface. When warmed, the earth radiates infrared rays with its peak output at 10 microns. The human body radiates infrared energy out through the skin at 3 to 50 microns, with most around 9.4 microns.

Infrared therapy has the ability to penetrate, refract, radiate and reflect. The human body can absorb Infrared because of its deep penetrating ability. When Infrared penetrates through skin to the subcutaneous tissues, it transforms from light energy into heat energy. The thermal effect within the deep layers of the tissues causes blood vessels and capillaries to dilate, promoting better blood circulation, and the heat thus produced helps rid the body of toxins and metabolic wastes through sweating.

Infrared energy that is absorbed by human cells causes a physical phenomenon called "resonance." Thus the cellular activities are instantly invigorated, resulting in better blood circulation and an overall improved metabolism. The quicker metabolic rate causes extra toxic waste products to be purged from the body through the skin during perspiration. The skin is often referred to as the third kidney, because it is believed to be responsible for eliminating 30% of the body's waste.

Nitric Oxide Production

Infrared Technology has been shown to produce nitric oxide, referred to as the "miracle molecule." In fact, the Nobel Prize in Physiology or Medicine 1998 was

awarded jointly to Robert F. Furchgott, Louis J. Ignarro and Ferid Murad "for their discoveries concerning nitric oxide as a signaling molecule in the cardiovascular system". Infrared Rays activate enzymes that stimulate the production of Nitric Oxide, a key biological messenger, playing a role in a variety of biological processes.

Dr. Toshiko Yamazaki, MD owns a Far-infrared therapy clinic in Japan where they have done extensive research on the uses of Infrared Therapy or Infrared Light Therapy. In the book, *The Science of Far-Infrared Therapies*, they explain that one of the reasons Infrared Therapy has beneficial results in a variety of illnesses is the ability of Far-infrared waves to remove toxins including mercury detoxification, which is often at the core of many health problems. Since humans are bio-accumulators, numerous toxins that disturb natural body functions and cannot be removed immediately are stored in our bodies and prevent natural body healing.

Benefits of Infrared

Dr. Toshio Yamazaki, the author of *The Science of Far Infrared Ray Therapy* and other books, notes the following health improvements with FAR Infrared technology:

- Asthma, Bronchitis (cleared up)
- Rheumatoid Arthritis (7 out of 10 cases resolved in one clinical trial)
- Cancer pain (greatly relieved)
- Cirrhosis of the Liver (reversed)
- Crone's disease (cleared)
- Cold hand and feet (20-25% improvement maintained)
- Cystitis (gone)
- Duodenal ulcers (eliminated)
- Gastritis (relieved)
- Hemorrhoids (reduced)
- Hepatitis (gone)
- High Blood pressure (reduced)
- Keloids (significantly softened and in some cases completely gone)
- Leg ulcers (healed)
- Radiation sickness (relieved signs and symptoms)
- Teenage skin problems (cleared)
- Tinnitus (chronic case cleared in 10 treatments)
- Eczema and Psoriasis (responded well)
- Pain Relief

Source: Creighton University Medical School

SAUNA THERAPY AND INFRARED SAUNA THERAPY

FAR Infrared sauna therapy is said to duplicate the healthy frequencies of our own cells. The tissues are purported to selectively absorb these rays as the water in the cell reacts in a process called *resonant absorption*.

This resonant absorption is said to occur when the frequency of the FAR Infrared matches the frequency of the water in the cell. This causes toxins from the cells to be put out into the blood stream and excreted in sweat, feces, and urine.

Proponents of this therapy state that our tissues, which are undergoing the healing process, may need a boost of FAR Infrared to ensure the fullest healing response.

FAR Infrared is claimed to penetrate the body's tissues to a depth of 1.5 to 3 inches.

Due to the deep penetration of FAR Infrared rays, a heating effect is observed deep in the muscular tissues and even into the internal organs.

This "deep heating," along with sweating, is thought to be responsible for the healing effects and the other health benefits associated with these FAR Infrared rays.

History of Sauna and Infrared Sauna

Palm healing, a type of healing in which one person lies their palm on the "patient," has a 3000 year old tradition in China. This technique is based on the healing properties of the natural infrared rays that we as humans give off.

The Finns popularized sauna use. It seems that the saunas were originally used for bathing, as well as childbirth and

some ceremonies. The tradition came with the Finns when they migrated from an area northwest of present day Tibet, between 5000 and 3000 BC, to their present location in Finland. During travel, the sauna probably resembled the sweat lodges of the American Indians – holes dug in the ground covered with a cloth. The first recorded wooden saunas date to sometime between the 5th and 8th centuries. Today, there is one sauna for every two to three Finns and sauna design is a revered art.

Numerous saunas appear along the Mediterranean and the world's first bathtub appears in the palace of King Minos of Crete in 1700 BC.

Native American sweat lodges have been used for thousands of years in North and South America and were documented with the European invasion of the Western Hemisphere.

Whole body infrared therapy has been used for greater than 80 years by German physicians in an independently developed form.

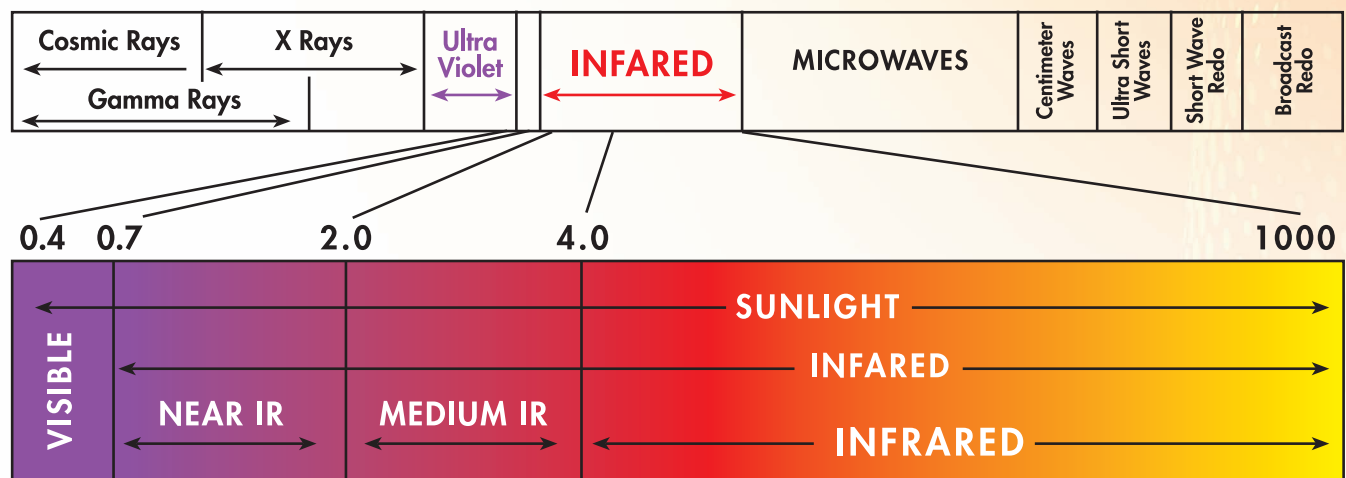
Dr. Tadashi Ishikawa of Japan received a patent on the zirconia ceramic FAR Infrared heaters in 1965. These were mostly used exclusively by medical practitioners in Japan until they were released for public use in 1979.

The infrared idea has been further refined and sold in the United States since 1981.

Chinese researchers consider the band from 2 to 25 microns as the most therapeutic.

Source: Creighton University of Medicine

ELECTROMAGNETIC SPECTRUM



THERMO THERAPY

Heat therapy, also called thermotherapy, is the application of heat to the body for pain relief and health. It can take the form of a hot cloth, hot water, ultrasound, heating pad, hydrocollator packs, whirlpool baths, cordless Infrared heat therapy wrap, and many others. It can be beneficial to those with arthritis and stiff muscles and injuries to the deep tissue of the skin. Heat may be an effective self-care treatment for conditions like rheumatoid arthritis.

Heat therapy is most commonly used for rehabilitation purposes. The therapeutic effects of heat include increasing the extensibility of collagen tissues; decreasing joint stiffness; reducing pain; relieving muscle spasms; reducing inflammation, edema, and aids in the post acute phase of healing; and increasing blood flow. The increased blood flow to the affected area provides proteins, nutrients, and oxygen for better healing.

Heat creates higher tissue temperatures, which produces vasodilation that increases the supply of oxygen, and nutrients and the elimination of carbon dioxide and metabolic waste.

Heat therapy is useful for muscle spasms, myalgia, fibromyalgia, contracture, and bursitis.

Another use is the treatment of infection and cancers by the use of heat. Cancer cells and many bacteria have poor mechanisms for adapting to and resisting the physiological stresses of heat, and are more vulnerable to heat-induced death than normal cells.

FAR Infrared radiation

FAR Infrared radiation is a convenient system to heat parts of our body. It has the advantage over direct contact in that FAR Infrared can heat directly the area where the blood capillaries and neuron terminals are. When heat comes from a direct contact source it has to heat the external layer of the skin, and heat is transferred to the deeper layer by conduction.

"The difference between health and illness is often a function of the level of NO (Nitric Oxide) activity in your body. NO can literally be a matter of life and death."
Dr. Louis Ignarro

Heat therapy can be used for the treatment of headaches and migraines. Many people who suffer from chronic headaches also suffer from tight muscles in their neck and upper back. The application of constant heat to the back/upper back area can help to release the tension associated with headache pain. In order to achieve heat therapy for headaches, many use microwaveable pads which can often overheat, potentially leading to injury, and lose their heat after a few minutes. Some new products use heated water, running through pads, to maintain a constant temperature, allowing headache sufferers to use hands-free heat therapy in the treatment of their headache pain.

In the natural sciences, the term diathermy means "electrically induced heat" and is commonly used for muscle relaxation. It is also a method of heating tissue electromagnetically or ultrasonically for therapeutic purposes in medicine.

Source: Wikipedia

SOUND AND MUSIC THERAPY

Music and Sound therapy is an allied health profession and one of the expressive therapies, consisting of an interpersonal process in which a trained music/sound therapist uses music and all of its facets—physical, emotional, mental, social, aesthetic, and spiritual—to help clients to improve or maintain their health.

Music therapists primarily help clients improve their health across various domains (e.g., cognitive functioning, motor skills, emotional and affective development, behavior and social skills, and quality of life) by using music experiences (e.g., free improvisation, singing, songwriting, listening to and discussing music, moving to music) to achieve treatment goals and objectives. It is considered both an art and a science, with a qualitative and quantitative research literature base incorporating areas such as clinical therapy, biomusicology, musical acoustics, music theory, psychoacoustics, embodied music cognition, aesthetics of music, and comparative musicology. Referrals to music therapy services may be made by other health care professionals such as physicians, psychologists, physical therapists, and occupational therapists.

Music therapists are found in nearly every area of the helping professions. Some commonly found practices include developmental work (communication, motor skills, etc.) with individuals with special needs, songwriting and listening in reminiscence/orientation work with the elderly, processing and relaxation work, and rhythmic entrainment for physical rehabilitation in stroke victims. Music therapy is also used in some medical hospitals, cancer centers, schools, alcohol and drug recovery programs, psychiatric hospitals, and correctional facilities.

The Turco-Persian psychologist and music theorist al-Farabi (872–950), known as "Alpharabius" in Europe, dealt with music therapy in his treatise *Meanings of the Intellect*, where he discussed the therapeutic effects of music on the soul. Robert Burton wrote in the 17th century in his classic work, *The Anatomy of Melancholy*, that music and dance were critical in treating mental illness, especially melancholia.

History of Music Therapy

Music has been used as a healing force for centuries. Music therapy goes back to biblical times, when David played the harp to rid King Saul of a bad spirit. As early as 400 B.C., Hippocrates, Greek father of medicine, played music for his mental patients. Aristotle described

music as a force that purified the emotions. In the thirteenth century, Arab hospitals contained music-rooms for the benefit of the patients. In the United States, Native American medicine men often employed chants and dances as a method of healing patients. Music therapy as we know it began in the aftermath of World Wars I and II. Musicians would travel to hospitals, particularly in the United Kingdom, and play music for soldiers suffering from war-related emotional and physical trauma.

Music Therapy in Heart Disease

According to a 2009 Cochrane review of 23 clinical trials, it was found that some music may reduce heart rate, respiratory rate, and blood pressure in patients with coronary heart disease. Benefits included a decrease in blood pressure, heart rate, and levels of anxiety in heart patients. However, the effect was not consistent across studies, according to Joke Bradt, PhD, and Cheryl Dileo, PhD, both of Temple University in Philadelphia. Music did not appear to have much effect on patients' psychological distress. "The quality of the evidence is not strong and the clinical significance unclear", the reviewers cautioned. In 11 studies patients were having cardiac surgery and procedures, in nine they were MI patients, and in three cardiac rehabilitation patients. The 1,461 participants were largely white (average 85%) and male (67%). In most studies, patients listened to one 30-minute music session. Only two used a trained music therapist instead of prerecorded music.

Music Therapy in Epilepsy

Research suggests that listening to Mozart's piano sonata K448 can reduce the number of seizures in people with epilepsy. This has been called the "Mozart effect." However, in recent times, the validity of the "Mozart Effect" and the studies upon which the theory is based have been questioned, due to reasons such as the limitations in the original study and the failure to replicate the effects of Mozart's music in subsequent studies.

The sonic affects of sound and music and the human body has been recognized in the United States since 1944. The National Association for Music Therapy was founded in 1950 and was merged with The American Association for Music Therapy, founded in 1971, in 1998 to form The American Music Therapy Association. Many of the studies in sound and music therapy are only now emerging as recognized major therapeutical benefits to the body.

Source: Wikipedia

LIGHT THERAPY OR PHOTO-THERAPY

Light therapy or phototherapy (classically referred to as heliotherapy) consists of exposure to daylight or to specific wavelengths of light using lasers, light-emitting diodes, fluorescent lamps, dichroic lamps or very bright, full-spectrum light, usually controlled with various devices. The light is administered for a prescribed amount of time and, in some cases, at a specific time of day.

Common use of the term is associated with the treatment of skin disorders (chiefly psoriasis), sleep disorder and some psychiatric disorders. Light therapy directed at the skin is also used to treat acne vulgaris, eczema and neonatal jaundice. Light therapy which strikes the retina of the eyes is used to treat circadian rhythm disorders such as delayed sleep phase syndrome and can also be used to treat seasonal affective disorder, with some support for its use also with non-seasonal psychiatric disorders.

Other medical applications of light therapy also include pain management, accelerated wound healing, hair growth, improvement in blood properties and blood circulation, and sinus-related diseases and disorders. Many of these use low level laser therapy and red light therapy in the 620–660 nm range.

History of Light Therapy

Many ancient cultures practiced various forms of heliotherapy, including people of the Ancient Greece, Ancient Egypt, and Ancient Rome. The Inca, Assyrian and early German settlers also worshipped the sun as a health

bringing deity. Indian medical literature dating to 1500 BC describes a treatment combining herbs with natural sunlight to treat non-pigmented skin areas. Buddhist literature from about 200 AD and 10th-century Chinese documents made similar references.

Faroese physician Niels Finsen is believed to be the father of modern phototherapy. He developed the first artificial light source for this purpose, and used his invention to treat lupus vulgaris. He received the Nobel Prize in Physiology or Medicine in 1903.

Since then a large array of treatments have been developed from the use of controlled light. Though the popular consumer understanding of "light therapy" is associated with treating seasonal affective disorder and skin conditions like psoriasis, other applications include the application of low level laser, red light, near-infrared and ultraviolet lights for pain management, hair growth, skin treatments, and accelerated wound healing.

Much research has been done on light therapy to date. Recent research suggests that light therapy may ease Parkinson's disease by reducing patient's tremors. A qualitative study conducted on a 20-person cohort of women and published in 2011 suggested a positive impact of light therapy on overall cognitive function in Alzheimer's disease patients, a preliminary finding requiring larger and quantitative studies to confirm.

Source: Wikipedia

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ELECTRO-MEDICINE

The term "electro-medicine" has a very specific meaning in alternative medicine. It means very low amperage electrical currents or electro-magnetic waves that travel through the body. There are many kinds of "electro-medicine" devices. Unlike the electro-medicine devices of orthodox medicine, electro-medicine devices in alternative medicine do not kill any normal cells. Nor do they kill any "abnormal" cells; rather they may improve health using specialized electric and electromagnetic fields that alter the function or condition of targeted tissue, organisms, or cells within the body.

These electric fields can be programmed to promote the healing of healthy tissue or inhibit the growth of undesired organisms. Where there are electric fields, there are also magnetic fields, usually rotated at 90 degrees to each other. The interplay of the electric and magnetic fields play a role in this therapy, but the frequency, the shape of the wave, the duration and polarity of the pulse, etc., all play into the mix and can make the difference between success or failure depending on the care and attention given to these parameters.

Some diseases are thought to be caused by an imbalance between the immune system and the number of abnormal cells that form. When the immune system is weakened or an unusually high number of abnormal cells form, the number of abnormal cells can overwhelm the immune system.

However, while the balance between the immune system and the number of abnormal cells which form may "cause disease," this imbalance is not what causes a normal cell to become abnormal.

A normal cell is thought to become abnormal when a highly pleomorphic "cell wall deficient" bacteria is able to get inside of a normal cell. Once inside the cell this bacterium blocks the formation of ATP molecules inside the cell (aerobic). The cell then reverts to fermentation to create ATP molecules (anaerobic) and the cell is then defined to be "abnormal." The fermentation is caused by a reaction of the cell to the "cell wall deficient" bacteria. A Nobel Prize was given in 1931 (Otto Heinrich Warburg) for the discovery that an abnormal cell is anaerobic.

Note that DNA damage does not cause a cell to become abnormal, rather DNA damage is the result of the DNA of the bacteria interacting with the DNA of the cell. Please see the Independent Research Foundation, Inc. for more information.

What this means is that if you can kill the microbe inside the abnormal anaerobic cell, the cell will be able to restore its normal metabolism and revert into a normal aerobic cell.

Frequency and Frequency Harmonics

Discoveries in the late 1920's and early 1930's by Royal Rife showed that all manner of disease organisms could be destroyed by merely 'tuning' a Frequency Generator to the correct resonant frequency of these organisms and applying the oscillating electric fields via the plasma driven, "Beam Ray Tube". Everything in the universe, living or dead, has its own resonant frequency. If you apply this exact resonant frequency to the object or organism, it will begin vibrating until it literally shatters itself. You've all seen the wine glass and the opera singer demonstration. Research in the 1940's and 1950's by Rife and other researchers attempted to catalogue those frequencies that "destroy" particular organisms and a strange thing occurred. Many frequencies began to overlap and Rife and others began to suspect that the frequencies were not killing pathogens but rather providing the body's immune system with the frequencies to enable the strengthened body to kill off the pathogens. This is why Rife's work has never been able to be duplicated.

It is now well established that there are a number of "healing" frequencies that do enable the body to be re-invigorated and strengthened which may permit the immune system the ability to heal itself. Skilling's work since the 1960's has focused in this direction.

Rife technology was not even a totally new technology at that time. At the turn of the 19th century, Nikola Tesla patented many Electro-inventions that demonstrated incredible health-promoting attributes; some of them based on the use of his high frequency, high voltage DC

pulse generator circuits which produced a new ether-derived form of energy called Radiant Energy. Tesla had even patented a highly efficient cold plasma ozone generator by 1893.

Furthermore, Ed Skilling built on the work of Georges Lakhovsky. Lakhovsky had worked with hospitals in the application of frequency in the 1920s. Lakhovsky recognized that cells have a natural frequency that keeps them healthy and resistant to viruses and other pathogens. In order to restore this natural frequency, Lakhovsky developed a Multiple Wave Oscillator to produce high frequencies. The frequencies, in turn, produced a broad range of harmonic frequencies.

When an object is exposed to its natural frequency it will pick up or resonate with that frequency. This is what happens when two violins have been precisely tuned. If the string on one violin is plucked or vibrated, the same string on the other violin will start to vibrate as well. When exposed to the harmonics produced by Lakhovsky's Multiple Wave Oscillator, the cells could pick up their natural frequency with the results that their strength and health would be improved.

In a Radio News Magazine article published in February 1925, Lakhovsky wrote: "In conclusion I wish to call attention of the reader to the fact that I have obtained very conclusive results not only with a wavelength of two meters, but with longer and shorter wavelengths. The main thing is to produce the greatest number of harmonics possible."

"The only known
"cure" for cancer is
your own God
given immune
system. All I did is
figure out how to
communicate with it
and power it up."

Ed Skilling

Skilling originally devoted his talents and genius to the design of an instrument incorporating the research of Lakhovsky and Rife to produce a healing frequency and also a broad range of harmonic frequencies. Skilling did not strive toward developing instruments for specific diseases. Rather, he designed his original instrument to output 728 Hz, among others, which is the Rife frequency thought to be the most healing. This frequency is carried

on a radio frequency wave to transport it to the body. This works in the same way a radio transmitter carries the signal for a particular radio station so it can be received by a radio in any given area.

Skilling's original instrument operated with a very gentle 100 milliwatts of power, a lot less intense than its Rife cousin. The carrier wave of 28.322 MHz is in the high radio frequency (RF) band. The 728 Hz modulated the 28.322 MHz to create a great range of harmonic frequencies - up into the Giga Hertz range.

The cells can then pick up their resonant healthy frequency. The immune system can gradually grow in strength, thus allowing the body to heal itself naturally rather than

creating an artificial homeostasis through the use of frequencies. Skilling's instruments have continually improved many times since 1959 and is now known as the Photon Genie and the Photon Genius (the FDA has not evaluated the Photon Genie or Photon Genius and no information, technologies, formulas, or protocols mentioned are intended to diagnose, treat, cure or prevent any disease).

ENERGY MEDICINE

The influence of the mind upon the body is assumed. The body's vast system of biochemical activity is being recognized as having its own qualities and laws of behavior running along the Myelin sheaths of the nerves using the nervous system as its line of communication throughout the body. Just as the blood plasma itself seeps into every cell of the body as lymph, electro-magnetic energy is present, asserting its influence in every cell and molecule of the body.

Electromagnetic energy has a special connection with the endocrine glands. Its flow is automatically responsive to the psychological state of the individual, and acts as a bridging influence, linking the psyche to the body, and interlinking with the subjective life of the individual. Problems in metabolism appear to be influenced by the mechanical and chemical environment but even more importantly from the subjective interaction of electromagnetic energy.

Ed Skilling took the latest electro-medicine technologies and frequencies, and married them to the latest gaseous tube technology to create the remarkable Photon Genie and its predecessors. Penetrating radio (RF) frequencies are modulated by Skilling's "healing" frequencies and complimented with various Inert Gases to produce light frequencies (the ionized gases also produce several other RF frequencies similar to the Lakhovsky multiwave oscillator).

If one wants to sterilize a lab, you would use ultraviolet light to kill all virus, bacteria, and fungus. Certain gases give off an ultraviolet component, just enough to be effective. In other words, the ultraviolet enters at a level that virus, bacteria and fungus cannot tolerate, but can and will rejuvenate healthy cells.

With the Skilling frequencies riding the wave form, a one-two punch is delivered. But the main effect of the therapy is to charge the particles, or cells, so that they repel each other. Remember, each cell has a polarity, and when that polarity changes, they start to attract each other rather than repel. When this happens, energy blocks occur, the blood platelets clog the veins, the lymph fluid ceases, and the whole system stops. Just like a gutter full of leaves,

nothing can penetrate the blockage. Lumps and soreness occur. But by simply putting the charge back into the cell correctly, the cells and platelets start moving slowly apart. Not in dangerous hunks, but whisperfully, one by one, dropping away from the knotted clump.

Noble Gas technology offers profound advantages. As mentioned, when these special gases contained in glass tubes are ionized, a powerful photon-rich-electrical field is sent out into the air. A micro-current containing millions of harmonic frequencies gently penetrates the body through the skin. In addition a radio wave component is added to carry the frequencies and subtle energy through the body without any distortion. In this way a comprehensive delivery of energy is achieved containing a holistic spectrum of photobiotic nutrition.

Because the micro-current emitted from the Noble Gas tubes matches the electrical properties of the body, it is able to travel along both the subtle and gross energy channels. This includes the energy pathways of the consciousness, those on the molecular level, as well as the acupuncture meridians, the lymph channels and blood vessels. Thus the gentle, yet penetrating photon energy fills the entire body as life-force energy rich in frequency harmonics.

The same electrical energy also breaks up bound protein matter and cells which have lost their normal electrical charge. When the cells of our bodies lose their normal charge they gather together and form clumps and clots rather than maintain their individual integrity. Rare gas technology can rapidly restore the normal energy state and ideal frequency to every cell in the body.

Every cell also resonates a unique characteristic frequency. This is why it is important to ionize the Noble Gases with frequencies that are rich in harmonics. In other words, universal frequencies of Sacred Sounds are most ideal. These are frequencies which lie in the mid-sound range and decades of research have shown that they carry the most abundant simultaneous harmonic frequencies. In this way each cell is able to match its own resonate frequency amidst a vast array of harmonic frequencies. Finally, Noble Gas tube technology delivers

a powerful electrical field that restores the circulation of all the fluids in the body, especially the lymph and blood. The lymphatic system is connected to every organ in the body and is absolutely essential in purifying the body and strengthening the entire immune system. Many consider the proper lymphatic drainage to be even more important than blood circulation. These fluids, however, require the pumping actions of movement and exercise which is often severely limited in modern lifestyles.

Perhaps, the most profound value of Noble Gas Technology lies in the exotic healing value of the gases themselves. These special elements provide an excellent medium for the transfer of an electro-magnetic field of energy.

Noble Gases (Helium, Argon, Neon, Xenon, Krypton) are the most unique of all the elements in the universe. They are called the Inert or Rare Gases because they are completely balanced in their number of electrons, protons and neutrons. They do not easily react or combine with other elements. These special gases were once far more abundant in the atmosphere. Many believe these gases possess specific healing properties. Xenon, for example, opens us up to higher states of consciousness and regenerates the body. Whereas, Argon clears away negative thought-forms and has been the most thoroughly researched in the treatment and alleviation of infections. Krypton is noted to improve sensory abilities and improve brain function. Helium connects one to dream states and can alleviate insomnia. Most of these properties have been substantiated by clinical research.

Photon energy is the other key element of the regenerative and rejuvenating value of Noble Gas Technology. Photo-biotic nutrition is the nutrition of light. It is the photon light energy we receive directly from the Sun or secondarily from our food. Science has shown that photons emerge from the non-physical realms and all electromagnetic phenomena moves, manifests and changes through the exchange of photons on a quantum level.

When the body is exposed to this photon energy as the gases are ionized, it is reminded of the essential enlivening energy which then precipitates as matter.

Balanced coherent energy flowing in the body is thought to equate to perfect health. When the body is dynamically flowing with balanced vibrant coherent energy there is no place for disease. The bottom line in achieving perfect health may surround three issues: eliminating toxins from the body, complete structural alignment, and access to photo-biotic energy. All the energetic channels from subtle consciousness to the blood and lymph must be open and freely flowing, unobstructed by toxic debris on the physical, mental and emotional level. Secondly, a completely balanced skeletal system, including all the bones of the body, especially those in the skull, allows the energy and the intelligence of the body to flow in balance and harmony. Finally, one's individual consciousness ultimately determines overall health; no treatment or remedy can save an individual from themselves. Consciousness and physiology are intimately inter-related; one determines the other. It is important to attend to both.

With the release of the Photon Genie, Ed Skilling had achieved the highest state-of-the-art electro-medical instruments ever created. In fact, virtually all medical devices created since 1980 are either designed by Ed Skilling or based on designs by Ed Skilling. Ed was the only inventor since the 1950's that not only understood and built on the work of the electro-medical giants of the past, i.e., Tesla, Abrams, Rife, Lakhovsky, etc., but far surpassed their efforts. It's simply not enough to laud the heroes from the past, Ed Skilling took the field of electro-medicine into the 21st Century almost single-handedly, and should be honored for the giant he is.

Using the Photon Genie, Skilling often recommended using the device with heat. Skilling found that at 106 degrees, the body activates certain deep healing processes. This combined technology eventually led to the development of the Photon Genius.

TOXINS

According to researchers and users around the World, the Photon Genie and Photon Genius provide some of the most unique and impressive detoxification strategies and technologies of virtually any known protocol or instrument in existence. The Photon Genius, for example, is the first and only instrument that combines both Infrared light technology (Infrared) and frequency harmonics (commonly referred to as electro-medicine or electromagnetic energy therapy). Add Sauna Therapy and Thermo-therapy to the list of health benefits and Skilling has once again created the most powerful and multi-featured instrument of its kind.

Frequency Generators, like the Photon Genie, produce Frequency Harmonics and multi-wave electromagnetic energy which have been shown to produce photo-biotic energy and to create a dramatically improved bio-oxidative, lymphatic and circulatory state within the body.

Additionally, frequency harmonics use light and sound/(music) therapy, promote cellular resonance at the atomic level, produce key life-sustaining molecules such as nitric oxide (from Infrared), de-vitalize and destroy pathogens in the body (anti-oxidative and frequency harmonics), strengthen the body's own immune response (circulation of lymphatic and cardiovascular systems and frequency harmonics), etc.

These Skilling instruments may very well strengthen the body's own ability to combat serious health issues and problems, while increasing metabolism and thereby affecting weight management, circulation, elimination, rejuvenation, detoxification, etc. The list of researched and patient represented health benefits is long and impressive – the result – a body in homeostasis.

Over a lifetime (or in the case of an ecological disaster, an alarmingly short time), the human body assimilates a

number of toxins. Some of these are in such trace amounts that we really needn't worry about them, but it is still wise to avoid as many toxins in the diet and the environment as possible. Here are ten of the most common toxins found in human blood and cells:

Free Radicals

Free Radicals are the toxic waste products of the process of oxidation within our bodies. Oxidation (like rust on iron) is what causes the deterioration of cells, like a bruised apple when it goes brown and mushy. This goes on at a cellular level within the human body and accelerates the aging process. The effects of free radicals can be reduced by the consumption of anti-oxidant-rich red, orange and yellow fruits and vegetables, along with eating less.

Mercury

The most common sources of mercury are amalgam fillings and the eating of large marine fish such as tuna. Mercury is implicated in Parkinson's disease, Alzheimer's, heart failure, irregular heartbeat and even some cancers. There is debate as to whether it is worthwhile to have amalgam fillings removed and replaced.

Similarly, the health benefits of eating oily marine fish should be weighed carefully against the risks of mercury consumption.

Sugar

Refined sugar is known as "the white death". We all know it's bad for us, that it contains calories without nutrients. Too much of it can cause insulin resistance and diabetes. The answer is simple; eat less white sugar.

When quantum coherence is restored to the biofield, the healing power of the body is now known to be literally limitless, dwarfing the benefits of any mere biochemical manipulation.

Caffeine

Many people enjoy caffeinated drinks and find that they give them a much-needed "boost" in times of fatigue. Caffeine is a powerful drug and taking yourself off it can cause severe withdrawal symptoms. Some people are "allergic" to caffeine and it can cause irrational mood swings and exacerbation of PMS, even heartbeat irregularities.

C-Reactive Protein

Perhaps it is wrong to consider this a toxin in itself, but its presence in the blood is an indicator of inflammation in the body. A high reading of C-Reactive Protein in the blood can indicate a propensity to heart attack. It is elevated by infections, inflammatory conditions, insulin resistance, and certain hormones such as those in the contraceptive pill or HRT.

Cholesterol

A buildup of LDL (low-density lipoprotein) or so-called "bad" cholesterol in the blood is implicated in heart disease via hardening of the arteries. Avoid high cholesterol by eating less saturated fats, exercising regularly, eating supplements rich in plant sterols (Recent studies may change this thinking in the near future).

Cortisol

At times of worry and stress, the body will produce Cortisol. Therefore, Cortisol is commonly called the stress hormone. Eliminate cortisol by exercising, laughing, relaxing, enjoying a hobby and not allowing your own personal stresses to fester and thrive within you.

Pesticides

We encounter these in our own gardens (unless we garden totally organically) and on most store-bought fruits and vegetables. At least trace amounts are probably found in most people's bodies. Either buy organic or make sure you thoroughly wash any fruit and vegetables you buy.

Dioxins

These are unwanted byproducts of heating processes and can increase cancer risks. They are suspected as contributory factors in diabetes, low sperm counts and behavioral problems. They are everywhere so it is hard to avoid them on an individual level. Buying organic produce and avoiding saturated animal fats (which tend to harbor dioxins) may help.

Homocysteine

Homocysteine is an amino acid. It can contribute to the risks of heart disease, Alzheimer's, furring of the arteries, toxicity in pregnancy, even birth defects. Homocysteine's build-up can be caused by kidney disease, genetics or vitamin deficiencies. Supplementation of Vitamins B12, B6 and Folic Acid may be wise. These vitamins enable the conversion of homocysteine into less dangerous amino-acids in the body.

"Your vascular network is more than twice as large as the circumference of the earth, yet your blood makes a complete voyage through the body about once a minute."

Dr. Louis Ignarro

We are all exposed to toxins in the environment and our food over our lifetimes. Some are easy to avoid, others less so. Clean living and regular detoxification programs are probably the best we can do to avoid overexposure to toxins.

ELIMINATION

Health can, in large measure, be dependent on one's understanding of the seven systems that the body uses to eliminate waste and toxic matters. When these systems are working effectively the result is good health. When they are compromised all types of complications can result. To understand detoxification one needs to have a clear understanding of the body's channels of elimination.

When the body confronts a toxin or foreign substance it uses these channels of elimination to purge the toxin as quickly as possible. The key to excellent health is having these seven channels of elimination functioning optimally.

In 1904 a Russian Naturopathic Physician by the name of Eli Metchnikof discovered that the body would recycle any toxin that it was not capable of purging. In the recycling process the body would utilize all seven channels of elimination to try to eliminate the toxic substance from the body. If one's health has been compromised there is often a direct correlation that one or more of the body's channels of elimination are not working effectively.

The Liver

The Liver is the body's factory. It metabolizes food, filters toxins and converts ingredients into substances that are needed in all parts of the body. Your liver is one of the largest and most important organs in your body. The Liver, when healthy, will store vitamins, sugars, fats and other nutrients from the food that you eat. The Liver produces chemicals that your body needs to stay healthy and breaks down harmful substances, like alcohol and other toxic substances. The Liver also removes waste products from the blood and makes sure that the body has just the right amount of other required chemicals.

The Lungs

The Lungs are in charge of breathing and require significant exercise. The best practices to keep the lungs healthy are physical exercise, fifteen minutes of deep-breathing exercises each day, and not to smoke.

The Lymphatic System

Regular exercise is one of the best treatments that your lymphatic system can benefit from helping to maintain both clear pathways throughout the channels, and by stimulating the flow and drainage of the Lymphatic system

fluids. The Lymphatic is the body's filter system and supports immune function. A healthy lymphatic system helps to filter out bacteria, fungi, viruses and other foreign organisms. Herbs such as arabanogalactan are a natural cleanser of the lymphatic system.

The Blood and Circulatory System

The blood is a liquid organ which transfers and transports nutrients and other healthy substances throughout the body. Red Clover and Chlorella are wonderful natural cleansers of the blood system. Regular exercise stimulates the blood system and assists the body in eliminating waste.

The Skin

The Skin is the body's largest organ. Perspiration naturally assists in cleansing the skin and keeping it elastic and healthy. Using the Photon Genius which promotes sweating is a wonderful health regimen for the skin.

The Colon

The colon is vital to effective health because it serves the function of transporting waste out of the body. Hydration of the digestion system will improve Colon Health. Also, hydrating the colon through Colon Hydrotherapy has proven to be very beneficial to re-establishing health.

The Kidneys

The odds of developing a kidney stone during one's lifetime are approximately one in ten. In 1995, more than 3 million people in the United States had some type of kidney condition such as an infection, kidney stones or cancer. More than 300,000 people suffer from renal failure each year and undergo dialysis, await a kidney transplant, or both.

The kidneys produce urine, the body's primary liquid waste. Often kidney problems are the result of dehydration. A natural supplement that cleanses and provides needed nutrition for the kidneys is Corn Silk.

As stated previously, good health often depends on one's understanding of the seven channels of elimination discussed above. We urge you to understand these seven channels of elimination and to do everything possible to assist them in your pursuit of excellent health.

THE LYMPHATIC SYSTEM

The lymphatic system works in close cooperation with other body systems to perform these important functions:

- The lymphatic system aids the immune system in destroying pathogens and filtering waste so that the lymph can be safely returned to the circulatory system.
- The lymphatic system removes excess fluid, waste, debris, dead blood cells, pathogens, cancer cells, and toxins from these cells and the tissue spaces between them.
- The lymphatic system also works with the circulatory system to deliver nutrients, oxygen, and hormones from the blood to the cells that make up the tissues of the body.

Lymph vessels can become clogged with protein deposits leading to sluggish flow (congestion), impaired function and the lymph becoming unable to drain properly. Instead, within these swollen tissues, the protein-rich lymph becomes stagnant. When bacteria enter this fluid through a break in the skin, or otherwise, they thrive on this protein-rich fluid. It is for this reason that lymphedema affected tissues and other lymph-related conditions are prone to infections.

The causes of lymphatic congestion range from injuries and surgery, inactivity and poor diet, to emotional/stress states, environmental toxins, hormone imbalance, and normal aging processes. When this state occurs, the blockages cause a backup in the flow of lymphatic fluid, resulting in swelling or edema in the tissues and in a variety of symptoms. Consequently, toxic waste matter cannot effectively be released from the body, nor can the immune system function at optimum performance. The result is a wide range of dysfunction and disease.

The Origin of Lymph

Lymph originates as plasma, which is the fluid portion of blood. The arterial blood that flows out of the heart slows as it moves through a capillary. This slowing allows some plasma to leave the arterioles and flow into the tissues where it becomes tissue fluid.

- Also known as extracellular fluid, this is fluid that flows between the cells but is not found within the cells. This fluid delivers nutrients, oxygen, and hormones to the cells.
- As this fluid leaves the cells, it takes with it cellular waste products and protein cells.
- Approximately 90 percent of this tissue fluid flows into the venules. Here it enters the venous circulation as plasma and continues in the circulatory system.
- The remaining 10 percent of the fluid that is left behind is now known as lymph.

Blood Flow Compared with Lymphatic Flow

The bloodstream is pumped by the heart. It circulates throughout the body and is cleansed by being filtered by the kidneys. The lymphatic system does not have a pump to aid in its flow and yet the lymphatic systems contain five times more fluid than the blood in the circulatory system. Instead, the lymphatic system is designed so that lymph only flows upward through the body traveling from the extremities (feet and hands) and upward through the body toward the neck.

As it travels through the body, lymph passes through lymph nodes where it is filtered. At the base of the neck, the lymph enters the subclavian veins and once again becomes plasma in the bloodstream.

Lymph Nodes

There are between 600 - 700 lymph nodes present in the average human body. It is the role of these nodes to filter the lymph before it can be returned to the circulatory system. Although these nodes can increase or decrease in size throughout life, any nodes that have been damaged or destroyed, do not regenerate.

- Afferent lymphatic vessels carry unfiltered lymph into the node. Here waste products, and some of the fluid, are filtered out.
- In another section of the node, lymphocytes, which are specialized white blood cells, kill pathogens that may be present. This causes the swelling commonly known as swollen glands.

- Lymph nodes also trap cancer cells and slow the spread of the cancer until they are overwhelmed by it through the process known as metastasis.
- Efferent lymphatic vessels carry the filtered lymph out of the node to continue its return to the circulatory system.

Manual Lymph Drainage (MLD)

A therapeutic technique known as manual lymph drainage (MLD) was developed in Europe 25 years ago. Through delicate massaging techniques it was highly effective at reducing lymph-based disorders through the subsequent detoxification process. However, this therapy is tedious, time intensive, and requires extensive training and experience to administer correctly.

Within the last several decades electro-medicine devices like the Photon Genie and its predecessors were improved to the point where they could assist, amplify and in some cases replace the effects of manual lymph drainage. Some therapists immediately noted that the electro-medicine therapy was eight times faster than MLD alone. The Photon Genie and Photon Genius are based on technology using emissions of specific light wavelengths combined with harmonics of sound generated via ionized noble gases (plasma) in glass transmitters to reduce and eliminate lymphatic system blockages and to improve lymph flow throughout the body.

These Skilling instrument innovations revolutionized the existing science of MLD while creating numerous new applications including the powerful effects of lymphatic therapy for enhancing relaxation, detoxification, cellulite therapy, and facial work. The equine and veterinary fields have many uses for the technology as well. The Photon Genie and Genius are now often referred to as Lymph Machines, though that description represents only a fraction of their technology and health benefits.

The Health Benefits of Improved Lymphatic Drainage and Flow include:

- Improvements with edemas, fibrotic conditions, and swollen lymph nodes. Some conditions reported to have benefited from therapy include breast lumps, inflammation, chronic pain, joint aches, allergies, sinus, respiratory problems, headaches, prostate problems, hormone imbalance and chronic female conditions, dental trauma and chronic problems, heavy metal toxicity, neuromuscular trauma, immune and fatigue syndromes.
- Excellent adjunct to manual lymph drainage techniques to open lymph system and improve fluid flow and accelerate detoxification of tissues.
- Reduction of pain due to lymphatic congestion & inflammatory conditions.
- Prevention of breast and prostate problems.
- Pre and post athletic applications to increase performance and decrease muscle and tendon strain.
- Relaxation, emotional balance, feelings of well-being and increased energy.
- Veterinary and equine applications in the same conditions as humans and for the reduction of post performance stress/strain and healing of injury.
- Cosmetic enhancement by the reduction of fluid deposits in the face, healthier skin, supporting all cellulite reduction therapies, and post-procedures such as micro-dermabrasion.
- For health conscious individuals and athletes for greater vitality, performance, cleansing, and injury reduction.

HUMAN SKIN

The skin is the outer covering of the body. In humans, it is the largest organ of the integumentary system. The skin has multiple layers of ectodermal tissue and guards the underlying muscles, bones, ligaments and internal organs. Human skin is similar to that of most other mammals, except that it is not protected by a pelt. Though nearly all human skin is covered with hair follicles, it appears hairless. There are two general types of skin, hairy and glabrous skin. The adjective cutaneous literally means "of the skin" (from Latin *cutis*, skin).

Because it interfaces with the environment, skin plays a key role in protecting (the body) against pathogens and excessive water loss. Its other functions are insulation, temperature regulation, sensation, synthesis of vitamin D, and the protection of vitamin B folates. Severely damaged skin will try to heal by forming scar tissue. This is often discolored and depigmented.

In humans, skin pigmentation varies among populations, and skin type can range from dry to oily. Such skin variety provides a rich and diverse habitat for bacteria which number roughly at 1,000 species from 19 phyla.

Skin Function

Skin performs the following functions:

- Protection: an anatomical barrier from pathogens and damage between the internal and external environment in bodily defense; Langerhans cells in the skin are part of the adaptive immune system.
- Sensation: contains a variety of nerve endings that react to heat and cold, touch, pressure, vibration, and tissue injury; see somatosensory system and haptics.
- Heat regulation: the skin contains a blood supply far greater than its requirements which allows precise control of energy loss by radiation, convection and conduction. Dilated blood vessels increase perfusion and heatloss, while constricted vessels greatly reduce cutaneous blood flow and conserve heat.
- Control of evaporation: the skin provides a relatively dry and semi-impermeable barrier to fluid loss. Loss of this function contributes to the massive fluid loss found in burn victims.
- Aesthetics and communication: others see our skin and can assess our mood, physical state and attractiveness.
- Storage and synthesis: acts as a storage center for lipids and water, as well as a means of synthesis of vitamin D by action of UV on certain parts of the skin.
- Excretion: sweat contains urea, however its concentration is 1/130th that of urine, hence excretion by sweating is at most a secondary function to temperature regulation (Recent studies analyzing the chemical composition of sweat found that the sweat of participants using "the box of hot rocks sauna" had 95-97 percent water, while the sweat of those using an infrared sauna was 80-85 percent water - the rest being composed of cholesterol, fat-soluble toxins, heavy metals (such as mercury and cadmium), sulfuric acid, ammonia, sodium and uric acid – See Beyond Antibiotics, Drs. Michael A. Schmidt et al). From the same reference, "Saunas are being used by some doctors to stimulate the release of toxins from the bodies of their patients. They have found that a lower temperature (105-110 Fahrenheit) sauna taken for a longer duration is most beneficial. These low temperatures stimulate a fat sweat, which eliminates toxins stored in fat, as opposed to the high temperature sauna, which encourages a water sweat."
- Absorption: the cells comprising the outermost 0.25–0.40 mm of the skin are "almost exclusively supplied by external oxygen", although the "contribution to total respiration is negligible." (See Stücker, M., A. Struck, P. Altmeyer, M. Herde, H. Baumgärtl & D.W. Lübbers (2002). The cutaneous uptake of atmospheric oxygen contributes significantly to the oxygen supply of human dermis and epidermis. PDF Journal of Physiology 538(3): 985–994. doi:10.1113/jphysiol.2001.013067). This absorption and semi-permeability mechanism allows ozone to be absorbed into the body from the Photon Genie and Photon Genius Instrumentation. In addition, medicine can be administered through the skin, by ointments or by means of adhesive patch, such as the nicotine patch or iontophoresis (transdermal applications of many kinds are now available). The skin is an important site of transport in many other organisms.
- Water resistance: The skin acts as a water resistant barrier so essential nutrients aren't washed out of the body.

Permeability of the Skin

- Until recently, the human skin barrier was thought to preclude absorption through the skin of all but a few substances with unique properties (nicotine, for example).
- Human skin permeability has the ability for foreign substances to penetrate and diffuse through the skin. Skin naturally has a low permeability, thus protects the body from particles and foreign toxins by not allowing them to penetrate through the surface. However, technologies in nanomedicine and biology have led to developments in techniques and to the discovery that skin permeability is increased with the use of electromagnetic stimulation and to increased permeability of the skin in various other applications. The stratum corneum is the outermost layer of skin and is an effective barrier to most inorganic nanosized particles (See Baroli, B. Penetration of Nanoparticles and Nanomaterials in the Skin: Fiction or Reality? Journal of Pharmaceutical Sciences 2009 December;99:21-50 and Felipe, P., Silva, J.N., Silva, R., Cirne de Castro, J.L., Gomes, M., Alves, L.C., et al. Stratum Corneum Is an Effective Carrier to TiO₂ and ZnO Nanoparticle Percutaneous Absorption. Skin Pharmacology and Physiology 2009;22:266-275).
- Nanomedicine researchers are interested in nanoparticles that can penetrate the stratum corneum and settle in the epidermis where cells primarily reproduce. If the nanoparticles are targeted to surround cancer cells, they can be used to map where the cancer is located and deliver therapeutic agents directly to the site. In many ways, allopathic medicine is beginning to "catch-up" to modern electro-medicine.

Hygiene and Skin Care

The skin supports its own ecosystems of micro-organisms, including yeasts and bacteria, which cannot be removed by any amount of cleaning. Estimates place the number of individual bacteria on the surface of one square inch (6.5 square cm) of human skin at 50 million, though this figure varies greatly over the average 20 square feet (1.9 m²) of human skin. Oily surfaces, such as the face, may contain over 500 million bacteria per square inch (6.5 cm²). Despite these vast quantities, all of the bacteria found on the skin's surface would fit into a volume the size of a pea. In general, the micro-organisms keep one

another in check and are part of a healthy skin. When the balance is disturbed, there may be an overgrowth and infection, such as when antibiotics kill microbes, resulting in an overgrowth of yeast.

The skin is continuous with the inner epithelial lining of the body at the orifices, each of which supports its own complement of microbes. Proper skin hygiene is important because unclean skin favors the development of pathogenic organisms. The dead cells that continually slough off the epidermis mix with the secretions of the sweat and sebaceous glands and the dust found on the skin form a filthy layer on its surface. If not washed away, the slurry of sweat and sebaceous secretions mixed with dirt and dead skin is decomposed by bacterial flora, producing a foul smell. Functions of the skin are disturbed when it is excessively dirty; it becomes more easily damaged, the release of antibacterial compounds decreases, and dirty skin is more prone to develop infections.

Cosmetics should be used carefully on the skin because these may cause allergic reactions. Each season requires suitable clothing in order to facilitate the evaporation of the sweat. Sunlight, water and air play an important role in keeping the skin healthy.

Applications

A large area of interest in nanomedicine is the transdermal patch because of the possibility of a painless application of therapeutic agents with very few side effects. Transdermal patches have been limited to administer a small number of drugs, such as nicotine, because of the limitations in permeability of the skin. Development of techniques that increase skin permeability has led to more drugs that can be applied via transdermal patches and more options for patients.

Increasing the permeability of skin allows nanoparticles to penetrate and target cancer cells. Nanoparticles along with multi-modal imaging techniques have been used as a way to diagnose cancer non-invasively. Skin with high permeability allowed quantum dots with an antibody attached to the surface for active targeting to successfully penetrate and identify cancerous tumors in mice. Tumor targeting is beneficial because the particles can be excited using fluorescence microscopy and emit light energy and heat that will destroy cancer cells.

Source: Wikipedia

OZONE, HYDROGEN PEROXIDE AND BIO-OXIDATIVE THERAPY

In Ozone or bio-oxidative therapy, pure ozone is introduced into the human body. Whereas oxygen is O^2 , ozone is O^3 . The introduction of ozone has been shown

- to increase oxygen delivery to the tissues and organs of the body,
- to increase blood circulation, to detoxify the body's systems, and
- to boost the immune system.

Once in the body, the hydrogen peroxide or ozone (therapeutic ozone is reduced to hydrogen peroxide after it enters the body) breaks down into various oxygen subspecies which contact anaerobic viruses and microbes. It also stimulates the production of white blood cells, which are necessary to fight infection. Ozone has anti-bacterial, anti-fungus and anti-viral properties. It increases oxygen and hemoglobin disassociation, thus increasing the delivery of oxygen from the blood to the cells. Ozone has a detoxifying effect on our body. It accelerates the citric acid cycle, which is the main cycle for the liberation of energy from sugars. This then stimulates basic metabolism. Oxygen therapies increase tissue oxygenation, thus bringing about patient improvement. It also has an anti-oxidant effect on our body by scavenging the free radicals present in our body.

The Affect of Bio-oxidative Therapy on the Human Body

According to Frank Shallenberger, M.D., who is best known in the United States for treating AIDS patients with a holistic protocol including ozone, two books, "Bursting with Energy" and "The Type 2 Diabetes Breakthrough", and his seminars on "The Applications of Ozone in Medicine," bio-oxidative therapies affect the human body in the following ways:

- They stimulate the production of white blood cells, which are necessary to fight infection.
- Ozone and hydrogen peroxide are anti-virucidal.
- They increase oxygen and hemoglobin disassociation, thus increasing the delivery of oxygen from the blood to the cells.
- Ozone and hydrogen peroxide are anti-neoplastic, which means that they inhibit the growth of new tissues like tumors.

- They oxidize and degrade petrochemicals.
- They increase red blood cell membrane distensibility, thus enhancing their flexibility and effectiveness.
- Bio-oxidative therapies increase the production of interferon and Tumor Necrosis Factor, which the body uses to fight infections and cancers.
- They increase the efficiency of the anti-oxidant enzyme system, which scavenges excess free radicals in the body.
- They accelerate the Citric Acid Cycle, which is the main cycle for the liberation of energy from sugars. This then stimulates basic metabolism. It also breaks down proteins, carbohydrates and fats to be used as energy.
- Bio-oxidative therapies increase tissue oxygenation, thus bringing about patient improvement.

How is Bio-oxidative Therapy Used?

Ozone (O^3) is an energized form of oxygen with extra electrons. It forms the protective ozone layer around the planet, yet becomes a pollutant when mixed with hydrocarbons (like carbon dioxide) and nitrogen oxide from automobile and factory emissions. Because scientists have focussed on the negative effects of inhaled ozone, the medicinal aspects of the gas when applied intravenously or through the skin have been largely overlooked. Because ozone was found to be an effective bactericide and fungicide during the mid-1800's, it was first used to purify drinking water in a number of European cities. Today, over 2,000 municipalities around the world- including Montreal, Paris, Los Angeles and Moscow- purify their drinking water with ozone.

However, ozone was not used medically until 1915, when it was found to be an effective disinfectant of wounds and skin diseases in Germany during the First World War. It was later found that ozone has the ability to "blast" holes through the membranes of viruses, yeasts, bacteria and abnormal tissue cells thereby killing them. Ozone was the focus of considerable research in Germany during the 1930's where it was successfully used to treat patients suffering from inflammatory bowel disorders, ulcerative colitis, Crohn's disease and chronic bacterial diarrhea.

Since that time, ozone and hydrogen peroxide have been studied in major medical research centers throughout the world, including Baylor University, Yale University, The University of California (Los Angeles) and Harvard University in the United States, as well as in medical schools and laboratories in Great Britain, Germany, Italy, Russia, Canada, Japan and Cuba. Today, between fifty and one hundred scientific articles are published each month about the chemical and beneficial biological effects of ozone and hydrogen peroxide.

The Theory and Science Behind Bio-Oxidative Therapy

The science and therapeutical treatment behind bio-oxidative therapies is based on the theory that the accumulation of toxins and pathogens in the body is normally burnt up by the process of oxidation, a process wherein a substance is changed chemically because of the effect of oxygen on it. Oxidation breaks the toxins down into carbon dioxide and water, and eliminates them from the body. However, if the oxygen system of the body is weak or deficient (whether through lack of exercise, environmental pollution, poor diet, smoking, or improper breathing), our bodies cannot eliminate them adequately and a toxic reaction can occur. In minor cases, a toxic buildup can lead to fatigue, while a wide range of diseases can result when poor oxygenation is chronic. A partial list of human diseases associated with infectious pathogens, is as follows:

- Alzheimer's disease is associated with the bacteria *Chlamydia pneumoniae* and *Helicobacter pylori*. Herpes simplex virus 1 is associated with Alzheimer's disease in individuals that possess the APOE4 form of the APOE gene (APOE4 enables the herpes virus to enter the brain). The protozoan *Toxoplasma gondii* has been associated with Alzheimer's.
- Amyotrophic lateral sclerosis, a form of motor neuron disease, is associated with echovirus (an enterovirus) infection of the central nervous system, and with retrovirus activity (whether this is from a human endogenous retrovirus or an exogenous retrovirus is not known at present).
- Infection with *Borrelia* species bacteria is associated with anorexia nervosa. Anorexia nervosa may arise after infection with *Streptococcus* bacteria, in rare cases. Anorexia (which is distinct from anorexia nervosa) is associated with the protozoan parasite *Dientamoeba fragilis*.
- Anxiety is associated with cytomegalovirus.
- Asthma is associated with rhinovirus, human respiratory syncytial virus and *Chlamydia pneumoniae*. *Chlamydia pneumoniae* has been particularly associated with adult-onset asthma.
- Atherosclerosis
- Atherosclerosis is associated with the bacterium *Chlamydia pneumoniae*.
- Attention deficit hyperactivity disorder hyperactivity disorder (ADHD) and learning disorders are associated with the viruses HIV and enterovirus 71, and with the bacteria *Borrelia burgdorferi* and *Streptococcus*. Febrile seizures due to human herpesvirus 6 and influenza A are a risk factor for ADHD. Viral infections during pregnancy, at birth, and in early childhood are a risk factor for ADHD.
- Autism is associated with prenatal maternal infection with rubella virus or cytomegalovirus. *Clostridia* bacterial species are present in greater numbers in the guts of autistic children.
- Autoimmune diseases are strongly associated with enteroviruses such as Coxsackie B virus. Autoimmune diseases are associated with the viruses Epstein-Barr virus, cytomegalovirus, parvovirus B19 and HIV, and the bacterium *Mycobacterium tuberculosis*. Autoimmune thyroid disease is associated with Epstein-Barr virus and *Helicobacter pylori*.
- Bipolar disorder (manic depression) is associated with bornavirus and infection with *Borrelia* species bacteria.
- Cancer – Some estimates attribute 15% to 20% of all cancers to infectious pathogens. This figure, however, might be revised upwards in future, if the pathogens currently associated with cancers (such as those listed to follow) are proved to actually be the cause of those cancers. (Note: for

the sake of completeness, some cancers that are known to be caused by pathogens are included in the list, in addition to the cancers associated with pathogens.)

- o Adrenal tumor is associated with BK virus and simian virus 40.
- o Anal cancer is associated with human papillomaviruses.
- o Bladder cancer is causally connected to *Schistosoma helminths*.
- o Brain tumor. Glioblastoma multiforme is associated with cytomegalovirus, BK virus, JC virus and simian virus 40.
- o Breast cancer is associated with mouse mammary tumor virus (MMTV), Epstein-Barr virus and human papillomaviruses.
- o Carcinoid tumors are associated with enterovirus infections.
- o Cervical cancer is causally connected to human papillomavirus.
- o Colorectal cancer is associated with *Helicobacter pylori*, *Streptococcus bovis*, human papillomavirus and the helminth *Schistosoma japonicum*. JC virus may be a risk factor for colorectal cancer.
- o Gallbladder cancer associated with *Salmonella typhi*.
- o Hodgkin's lymphoma is associated with Epstein-Barr virus, hepatitis C virus and HIV.
- o Kaposi's Sarcoma is causally connected to Kaposi's sarcoma herpesvirus and HIV.
- o Liver cancer. Hepatocellular carcinoma is causally connected to hepatitis B virus, hepatitis C virus, and the helminth *Schistosoma japonicum*.
- o Lung cancer is associated with *Chlamydia pneumoniae*, and human papillomavirus and Merkel cell polyomavirus.
- o Leukemia. Adult T-cell leukemia is causally connected to human T-cell leukemia virus-1.
- o Mesothelioma is associated with simian virus 40, especially in conjunction with asbestos exposure.
- o Nasopharyngeal carcinoma is causally connected to Epstein-Barr virus.

- o Non-Hodgkin lymphoma is associated with HIV and simian virus 40.
- o Oropharyngeal cancer is causally connected to human papillomaviruses.
- o Ovarian cancer is associated with mumps virus.
- o Pancreatic cancer is associated with hepatitis B Virus and *Helicobacter pylori*.
- o Prostate cancer is associated with xenotropic murine leukemia virus-related virus (XMRV) and BK virus.
- o Skin neoplasm is associated with human papillomaviruses.
- o Squamous cell carcinoma is associated with human papilloma virus.
- o Stomach cancer is associated with *Helicobacter pylori*.
- o Thyroid cancer is associated with simian virus 40.
- Chronic fatigue syndrome (CFS), also known as myalgic encephalomyelitis (ME), is associated with enteroviruses (such as Coxsackie B virus), and newer research is tending to demonstrate that enterovirus infection may have a causal relationship to CFS. Chronic fatigue syndrome is also associated with human herpesvirus 6 variant A, human herpesvirus 7, parvovirus B19. The bacteria *Coxiella burnetii* and *Chlamydia pneumoniae* have been shown to cause chronic fatigue syndrome (and antibiotics can cure these forms of chronic fatigue syndrome).
- Chronic obstructive pulmonary disease (COPD), which includes both chronic bronchitis and emphysema, is associated with *Chlamydia pneumoniae* and Epstein-Barr virus.
- Crohn's disease is associated with *Mycobacterium avium* subspecies *paratuberculosis*. In a murine model, Crohn's disease is precipitated by the norovirus CR6 strain, but only in combination with a variant of the Crohn's susceptibility gene ATG16L1, and chemical toxic damage to the gut (in other words, through a virus-gene-toxin interaction).
- Coronary heart disease is associated with herpes simplex virus 1 and the bacterium *Chlamydia pneumoniae*.

- Dementia is associated with the viruses herpes simplex type 1, herpes simplex type 2, cytomegalovirus, West Nile virus, bornavirus and HIV. Dementia is associated with the helminth *Taenia solium* (pork tapeworm). Infection with *Borrelia* species bacteria is associated with dementia.
- Depression is associated with cytomegalovirus, West Nile virus and *Toxoplasma gondii* infection. Major depressive disorder is associated with bornavirus, as well as *Bartonella* and *Borrelia* species bacteria. Seasonal affective disorder is associated with Epstein-Barr virus.
- Diabetes mellitus type 1 is generally associated with viral species from the enterovirus genus, specifically: Coxsackie B virus (coxsackievirus B may directly destroy the insulin-producing beta-cells in the pancreas, in addition to causing indirect autoantibody damage to these beta-cells); and echovirus 4 (echovirus 4 may act as an environmental trigger for type 1 diabetes).
- Diabetes mellitus type 2 is associated with cytomegalovirus, hepatitis C virus, enteroviruses, and Ljungan virus. Metabolic syndrome (see below) carries an increased risk of diabetes mellitus type 2, thus the pathogens associated with metabolic syndrome may also be associated with this form of diabetes.
- Dilated cardiomyopathy has been associated with enteroviruses such as Coxsackie B virus.
- Epilepsy is associated with human herpesvirus 6.
- Guillain-Barré syndrome is associated with the bacterium *Campylobacter jejuni*, and the viruses cytomegalovirus and enterovirus.
- Irritable bowel syndrome (IBS) is associated with pathogenic strains of the protozoan parasite *Blastocystis hominis*. IBS has been associated with *Giardia lamblia* protozoal infection. Irritable bowel syndrome in those with HIV has been associated with the protozoan *Dientamoeba fragilis*.
- Lupus is associated with the viruses parvovirus B19, Epstein-Barr virus and cytomegalovirus.
- Metabolic syndrome is associated with the bacteria *Chlamydia pneumoniae* and *Helicobacter pylori*, as well as the viruses cytomegalovirus and herpes simplex virus 1.
- Multiple sclerosis, a demyelinating disease, is associated with Epstein-Barr virus (this is a strong association: Epstein-Barr vaccine has been predicted to eradicate the disease), human herpesvirus 6, varicella zoster virus, and the bacterium *Chlamydia pneumoniae*.
- Myocardial infarction (heart attack) is associated with cytomegalovirus, Coxsackie B virus (an enterovirus) and *Chlamydia pneumoniae*.
- Obesity is associated with adenovirus 36 which is found in 30% of obese people, but only found in 11% of non-obese people. Obesity is also associated with adenovirus 37 and adenovirus 5. Animals experimentally infected with these three human adenoviruses, AD-36, AD-37, and AD-5, developed increased obesity; other pathogens have also been shown to cause obesity in animal studies. Obesity is associated with higher gut levels of certain problematic Firmicutes bacteria (such as *Clostridium*, *Staphylococcus*, *Streptococcus* and *Helicobacter pylori*) in relation to Bacteroidetes bacteria (overweight individuals tend have more of the problematic Firmicutes bacteria in their stomach and intestines; normal weight individuals tend have more Bacteroidetes bacteria). Abdominal obesity (central obesity) forms part of metabolic syndrome (see above), thus the pathogens associated with metabolic syndrome may also be associated with abdominal obesity. See also: Infectobesity.
- Obsessive-compulsive disorder (OCD) is associated with *Streptococcus* and *Borrelia* species bacteria.
- Panic disorder is associated with *Borrelia* species bacteria, and *Bartonella* species bacteria.
- Parkinson's disease is associated with influenza A virus and the protozoan parasite *Toxoplasma gondii*.

- Psoriasis is associated with a *Helicobacter pylori* trigger.
- Rheumatoid arthritis is associated with parvovirus B19. The detection of antibodies to *Borrelia outer surface protein A* is associated with rheumatoid arthritis.
- Sarcoidosis is associated with *Mycobacteria* species, and the bacteria *Helicobacter pylori* and *Borrelia burgdorferi*.
- Schizophrenia is associated with neonatal infection by Coxsackie B virus (an enterovirus), which one study found carries an increased risk of adult onset schizophrenia. Prenatal Influenza virus exposure in the first trimester of pregnancy increases the risk of schizophrenia by 7-fold. Schizophrenia is associated with bornavirus, and the bacteria *Chlamydia trachomatis*, and *Borrelia species bacteria*.
- Stroke is associated with the bacteria *Chlamydia pneumoniae*, *Helicobacter pylori*, *Mycobacterium tuberculosis* and *Mycoplasma pneumoniae*. Stroke is associated with the virus varicella zoster virus. Stroke is associated with the fungus *Histoplasma*.
- Thromboangiitis obliterans has been associated with *Rickettsia*
- Tourette syndrome is associated with the bacterium *Streptococcus*. The bacteria *Mycoplasma pneumoniae*, *Chlamydia pneumoniae*, *Chlamydia trachomatis* and the protozoan parasite *Toxoplasma gondii* may be contributory or aggravating factors in Tourette's.
- Vasculitis is associated with the viruses HIV, parvovirus B19 and hepatitis B virus. The hepatitis C virus is an established cause of vasculitis.

Administering Ozone Therapy

The Photon Genie, and the Photon Genius produce ozone with their plasma tubes filled with ionized Noble Gases. The ionized noble gases not only produce bio-photonic energy, as discussed previously, but at the instant they make contact with the body's skin, they produce ozone,

which the body absorbs through the skin. This technique and these instruments are often referred to as cold plasma. Cold plasma generators were invented by Nikola Tesla in the 1920's, and the technology is still in use today.

The ozone is absorbed through the skin and into the body in a process known as transdermal or topical skin absorption. Studies now show that oxygen and ozone are absorbed directly through the skin and that this accounts for about 1% of the body's oxygen. While the FDA maintains that ozone is a toxic chemical, studies and actual clinical use in Europe and Asia over the past one hundred years and longer demonstrate the amazing benefits of ozone therapy as a safe procedure.

Benefits of Ozone Therapy

In addition to the outstanding detoxification results obtained with ozone therapy, and according to the International Bio-Oxidative Medical Foundation (IBOMF), a U.S.-based organization devoted to research and education about these therapies, the following benefits have been researched by practitioners and observed by patients alike from around the world. Bio-oxidative therapy:

- helps relax and loosen muscles by reducing the buildup of lactic acid.
- helps to oxidize toxins so they can be eliminated through major organs. It helps in increasing blood circulation, which helps injured muscles repair quicker.
- may stimulate vasodilatation of peripheral blood vessels for pain relief.
- may speed up the metabolic processes of the organs and endocrine glands.
- promotes cleaner, softer and rejuvenated skin.
- may normalize cell respiration.
- may help with chronic fatigue and environmental illness.
- may stimulate the immune system.
- may reduce carbon monoxide poisoning.
- may increase in available oxygen, assisting the body's natural detoxifying process.

THE CARDIOVASCULAR/CIRCULATORY SYSTEM

The circulatory system is an organ system that passes nutrients (such as amino acids, electrolytes and lymph), gases, hormones, blood cells, etc. to and from cells in the body to help fight diseases, stabilize body temperature and pH, and to maintain homeostasis.

This system may be seen strictly as a blood distribution network, but some consider the circulatory system as composed of the cardiovascular system, which distributes blood, and the lymphatic system, which distributes lymph. While humans, as well as other vertebrates, have a closed cardiovascular system (meaning that the blood never leaves the network of arteries, veins and capillaries), some invertebrate groups have an open cardiovascular system. The most primitive animal phyla lack circulatory systems. The lymphatic system, on the other hand, is an open system.

Two types of fluids move through the circulatory system: blood and lymph. The blood, heart, and blood vessels form the cardiovascular system. The lymph, lymph nodes, and lymph vessels form the lymphatic system. The cardiovascular system and the lymphatic system collectively make up the circulatory system.

The Role of the Circulatory System in Body Defense

Diseases are caused by the presence of bacteria, fungi or viruses in the body. The symptoms may be due to the antigen or foreign proteins of the bacteria or the toxic chemicals produced by the bacteria. Recovery from the disease followed by immunity depends mainly on the production of antibodies in the blood. Antibodies are proteins released into the blood that destroy, kill or eliminate these disease-causing micro-organisms from the body.

We are exposed to all types of disease-causing micro-organisms in our environment, and in the body. Therefore, we do need defense mechanisms for protection. The blood cardiovascular systems as well as the lymphatic systems, collectively, our circulatory systems, play a very important role in the body defense mechanism.

These pathogenic micro-organisms enter the body through the mouth, the nose or through open wounds. Eating and drinking foods containing pathogens, or open wounds being exposed to the air are all sources by which the micro-organisms gain entry onto our bodies. The body's

defense against the entry of pathogens and diseases can be divided into three lines of defense.

The Body's First Line of Defense – the Skin and Mucous Membranes

The Skin

- The skin is a hard keratinized (a protein) outer layer. It serves as an effective barrier to microorganisms
- The pH value of the skin is low (pH 3-5) thus making it acidic and unsuitable for most microorganisms
- Besides the presence of the enzyme lysozyme which destroys or kills pathogens in the sweat and sebum helps the skin to ward off harmful micro-organisms
- The clotting mechanism plays an important role in preventing the pathogenic micro-organisms from gaining entry into body through wounds in the skin.

The Mucous Membranes

- The mucous membrane as well as the cilia lining the trachea and bronchi prevents the entry of micro-organisms via the respiratory tract
- Micro-organisms, dust particles spores and the like get caught up in mucous secreted by numerous goblets cells and is carried by the beating cilia towards the glottis. Laughing, sneezing or vomiting aid in eliminating these foreign substances
- Besides these mechanisms, the hydrochloric acid in the stomach kill any bacteria that come into contact with the food.

The Body's Second Line of Defense – The White Blood Cells

Phagocytic White Blood Cells

- Phagocytosis is the process of engulfing solid particles by the cell membranes and is the immune system's primary method used to remove pathogens, like bacteria, from the body. Phagocytosis is used by the immune system with dead cells, small mineral particles, bacteria, pathogens, and even nutrients.

- The bacteria are enclosed within a vesicle, (ingested) and digested by enzyme secreted by the lysosome
- The lysosome fuses with the vesicle and discharges the enzyme that digests the food. The bacteria and the end products are absorbed into the cytoplasm.

The Body's Third Line of Defense - The Antibody - the Immune Response

The Immune Response

- This line of defense acts specially and involves the lymphocytes. Immunity is the ability of the body to fight diseases caused by pathogens
- Foreign proteins found in bacteria and viruses stimulate the immune response from the lymphocytes. These foreign proteins are referred to as antigens. An antigen stimulates the production of a corresponding protein called an antibody.
- The antibody combines with the antigen, neutralizes the antigen or destroys them in various ways
 - Certain antibodies cause the antigen/ micro-organisms to clump together making them ineffective in their action. This is referred to as agglutination
 - Some antibodies dissolve the outer membrane or coat of micro-organisms causing them to disintegrate. This action is referred to as lysis
 - Opsonin is yet another type of antibody which adheres to the outer surface of the micro-organisms, "marking" them, which are then engulfed and ingested by phagocytes
 - Antitoxins neutralize the toxin released by pathogenic micro-organisms.
- The antibody – antigen reaction is specific. The production of antibodies in response to antigen is referred to as the immune response. The lymphocytes are the white blood cells that produce the antibodies. They are manufactured in the lymph nodes
- Lymphocytes' reaction to antigen involves the production of antibodies that are specific to the antigen.

Immunity and Immunization

Immunity is the body's ability to fight the disease caused by the pathogens. The presence of antibodies in a person's blood confers him or her immunity against specific diseases. When a person recovers from the disease the antibodies may remain in the blood stream briefly. However, the ability to produce these antibodies in another invasion by the same bacteria or virus prevents him or her from contracting the same disease. The person is said to be immune to the disease.

Immunity can be acquired naturally from birth or after recovering from a disease like measles or chicken pox. Immunity can be induced in a person by vaccination or inoculation. Vaccine is a suspension of dead bacteria or inactivated viruses. When these are injected into the blood of a person his or her body is stimulated to produce antibodies to fight these injected bacteria or viruses. This process of injecting vaccine into a person is referred to as immunization. Immunization, therefore, confers artificial immunity.

Active immunity is the kind of immunity where the body makes its own antibodies in response to an antigen (pathogenic micro-organisms, bacteria or viruses).

- Active natural immunity is the kind of immunity acquired by a person who has recovered from a disease. For example if a person contracts measles and recovers from it, his body would have actively produced antibodies specific to fight the measles antigen, in this case the measles virus. These antibodies may remain only for a short time but the ability to produce these antibodies by the body is greatly increased. Thus, the person is protected from further invasion by the measles virus.
- Active artificial immunity can be acquired by injecting antigen (dead, inactive bacteria or viruses), the vaccine into the body. This will induce the production of the appropriate antibodies. If and when the particular micro-organisms enter the body, these antibodies actively fight the disease causing micro-organisms eliminating them. Immunization by vaccination has been able to protect the people from such disease as tetanus, diphtheria, poliomyelitis and others.

Passive Immunity – is one where a person receives antibodies into his body from external sources and not by actively producing them in his body.

- Passive natural immunity is one which all of us possess from birth. The antibodies move across the placenta from the mother to the foetus. This confers passive but natural immunity on the young be it humans or other mammals.
- Passive artificial immunity – this involves the injection of anti-serum containing specific antibodies to ward off a specific disease into a recipient from another individual or an animal like the horse. The diphtheria antibodies are prepared by injecting toxin obtained from the diphtheria bacillus into a horse. The toxin is first made harmless before injecting into the horse. The horse responds by producing antibodies in large amounts. The horse serum is then injected into a person to enable him or her to acquire passive but artificial immunity against diphtheria. The same technique is used to protect an individual who is already suffering from tetanus by injecting serum containing antibodies to fight the tetanus bacteria.

The Effects of HIV on the Body's Immune System

HIV refers to the Human Immunodeficiency Virus. This virus causes AIDS or the Acquired Immune Deficiency Syndrome. The HIV acts by paralyzing the human immune system to such an extent that the victim is unable to fight the bacteria, yeast and viral infection that a normal healthy person can easily overcome. The human immunodeficiency virus attacks and kills the crucial immune cells called T cells. These T cells and the lymphocytes are disabled and killed during the course of infection. They play an important role in the immune response.

A healthy uninfected person usually has 800 to 1200 T cells per cubic millimeter of blood. In the blood of an HIV infected person this number declines rapidly. If these cells fall below 200/mm³ the victim will become prone to infections and cancers. This indicates that the patient has AIDS which is the end stage of HIV disease. AIDS victims very often suffer infection of the lungs, intestinal tract,

brain, eyes, skin and other organs. They also suffer "extreme" weight loss, diarrhea, and skin cancer, sarcomas and lymphomas. Thus HIV causes death by killing the lymphocytes (CD + T cells), interfering, with their normal function and weakening a person's immune system.

Transmission of HIV

The HIV virus can be transmitted from an infected person to a healthy person via the seminal fluid, vaginal fluid, blood as well as mother's blood. Transmission of HIV can occur through the following ways:

- having sexual relationship with a HIV carrier
- sharing needles with HIV infected drug addicts
- during blood transmission between an HIV infected mother to her unborn child in the womb or via mother's milk fed to her baby.

The Photon Genie/Genius and the Cardiovascular System

The Ozone produced and introduced to the body by the Skilling Instruments causes the de-vitalization of the pleomorphic pathogen. Pleomorphic means that the pathogen can appear as a bacteria, a virus, a fungi or other form, though the pathogen may be the same, only in an altered form. Science is coming to the conclusion that major illnesses, such as cancer, may be caused by pathogens, for the most part, and any technology that destroys, rids or devitalizes pathogens will have a very positive affect on health. Additionally, the frequency harmonics of the Skilling Instruments have been shown to improve the strength of healthy cell membranes, preventing pathogen invasion in the first place.

Most pathogens simply cannot survive the presence of bio-oxidative agents such as ozone or hydrogen peroxide. Finally, the stimulation of the lymphatic and circulatory systems and subsequent elimination in the skin is a major development in science and strongly suggests that detoxification is a viable practice, and one that has been used successfully in Asia and elsewhere for several thousand years.

Source: Wikipedia

INFRARED LIGHT

What is Infrared Sauna Technology?

Sunlight is a combination of visible light and invisible light. The seven colors of the rainbow are visible lights, and infrared rays and ultraviolet rays are "invisible" lights. Infrared rays are one of the sun's rays. Infrared rays are the healthiest, penetrate deeply into the skin and they dissolve harmful substances accumulated in the body. The Infrared Rays vitalize your cells and metabolism.

Infrared waves penetrate deep into the body for a deep heating action that allows for the body to activate the sweat glands. The sweat glands offer one of only a few mechanisms that the body has to eliminate toxins and since the skin is the largest organ in the human body it is a very good means for elimination. As discussed previously, the other body mechanisms include the lungs, liver, kidneys, colon, lymphatic system and blood.

When Infrared waves are applied to water molecules (comprising 70% of our body) these molecules begin to vibrate. This vibration reduces the ion bonds and the eventual breakdown of the water molecules causes encapsulated gases and other toxic materials to be released.

The sun is the primary source of radiant energy, but not all of this energy is beneficial. Although life needs energy from the sun, too much sunlight damages the skin. Infrared heat provides all the healthy benefits of natural sunlight without any of the dangerous effects of solar radiation.

For years, the healthcare industry recommended infrared heat lamps as a source of Infrared heat but the lamps were cumbersome, extremely hot and difficult to maintain at a constant temperature. Today, many healthcare professionals use Infrared heaters to treat a variety of diseases throughout the world.

The efficacy of Infrared waves is very broad and the subject of recent study by NASA. Among the infrared waves, the Infrared rays, which have a wavelength of 8-14 microns, are especially good for the human body. These waves have the potential to penetrate 1.5 to 3

inches or more into the body allowing for deep heat and raising the core body temperature from deep inside. The deep heat and Infrared is why scholars believe that the Ondol (traditional warm floor of Korea) is good for health because the materials for the Ondol are stone and earth both of which radiate Infrared waves when heated.

The Infrared rays consist of similar wavelengths as that which is emitted naturally by the human body. This is one potential explanation of why many feel energetically rejuvenated and balanced from contact with Infrared waves. It has also been shown that Infrared waves help improve blood circulation and recovery from fatigue.

Why Infrared Technology?

Infrared energy penetrates the body's tissue. Tests have shown that the energy output is tuned so closely to the body's own radiant energy that our bodies absorb as much as 93% of the Infrared waves that reach our skin.

By comparison, conventional saunas must rely only on indirect means of heat: first, on convection (air currents) and then, conduction (direct contact of hot air with the skin) to produce its heating effect. Infrared Saunas are best used at temperatures between 100 to 140F versus 180 to 220F for traditional hot-air saunas.

Why is Infrared Heat Better than Traditional Sauna?

Infrared saunas use low-EMF heaters, which do not turn red hot, but instead produce invisible, Infrared heat. This is the same type of heat as produced by the sun and our bodies. Infrared heat is very safe and not at all like the heat produced by microwaves. In an infrared sauna, only 20 percent of the energy is used to heat the air, leaving the rest of the energy to heat the body. The radiant heat can penetrate deep below the skin producing a gentle warming inside the body. The temperature inside an infrared sauna is adjustable and averages a comfortable 100 °F to 140 °F. This targeted heat allows a person to sweat faster and to tolerate a longer period of time inside the sauna, allowing for the therapeutic effects to occur. Typical sessions last 20

to 45 minutes and can be repeated once or twice during the day to maximize the benefits. Infrared saunas leave the user feeling invigorated, not depleted like conventional saunas. Infrared heaters warm the body in the same manner as natural sunlight. Infrared Heat therapy uses the wavelength of the visible and non-visible light spectrum of sunlight that heats the body normally. Traditional saunas raise the temperature of the air to a very high level within the chamber to warm the body. Some people have difficulty breathing in this extremely warm air. Infrared saunas work differently. Instead of heating the air within the enclosure, Infrared saunas heat the body directly. The result is deeper tissue penetration. In the Infrared sauna, the body perspires and receives all of the healthy benefits but avoids the harmful and extremely hot air of a traditional steam sauna.

Health Benefits of Infrared Sauna Technology

Infrared Sauna technology is completely safe and produces the same Infrared heat produced by the sun. Far-infrared heat is required for all living things for optimum health. The radiant heat from a Infrared sauna surrounds the user and penetrates deeply into their joints, muscles and tissues, speeding oxygen flow and increasing circulation. Using Infrared Sauna helps to remove impurities from the body's cells, specifically the cells inside our fat where our body stores waste and harmful toxins such as cholesterol and heavy metals.

Completely harmless, we feel Infrared heat from such sources as the sun (without the harmful ultraviolet waves that the sun gives off) and fires. Just as visible light has a range of wavelengths (running from red to violet), so does infrared light: longer wavelength infrared waves are thermal, while short or near infrared waves are not hot at all, in fact, you cannot even feel them. It is the Infrared energy that is most beneficial, penetrating the skin and increasing circulation to help rid the body of harmful toxins.

Increase Metabolism, Burn Calories and Lose Weight

As users relax in the gentle Infrared heat, the body is actually hard at work producing sweat, pumping blood,

and burning calories. As the body increases sweat production to cool itself, the heart will work harder to pump blood at a greater rate to boost circulation. This increase in metabolism will burn calories.

According to the Journal of the American Medical Association, "Many of us who run do so to place a demand on our cardiovascular system, not to build big leg muscles. Regular use of a Sauna imparts a similar stress on the cardiovascular system, and its regular use may be as effective a means of cardiovascular conditioning and burning of calories as regular exercise."

Relieves Muscle Pain

The deep heat of a Infrared sauna helps peripheral blood vessels dilate, bringing relief and healing to muscle and soft tissue injuries. Increased blood circulation carries off metabolic waste products and delivers oxygen-rich blood to oxygen-depleted muscle, so they recover faster.

Muscles relax most readily when tissues are warm, for greater flexibility and range of motion. Infrared heat relieves muscle tension thereby helping the body to make the most of its intended healing abilities. Infrared heat reduces soreness on nerve endings and muscle spasms as muscle joints and fibers are heated.

Improves the Immune System

Infrared heaters raise the core body temperature, inducing an artificial fever. Fever is the body's natural mechanism to strengthen and accelerate the immune response, as seen in the case of infection. This enhanced immune system, combined with improved elimination of toxins and wastes via intense sweating, increases the overall health and resistance to disease.

Removes Toxins

Infrared Sauna heat increases the blood circulation and stimulates the sweat glands, releasing built up toxins in the body. Daily sauna sweating can help detoxify the body as it rids itself of accumulated highly toxic metals (lead, mercury, nickel, and cadmium) as well as alcohol, nicotine,

sulfuric acid, and other organic and inorganic compounds. "Traditional wisdom has suggested that saunas work largely by promoting detoxification through the sweat... Saunas also stimulate cells to release toxins that can then

be eliminated by the liver and bowel. Several published studies have now shown that this therapy can bring about the rapid removal of a wide range of toxic substances from the human body." John C. Cline, M.D., B.Sc., C.C.F.P., A.B.C.T., Medical Director of the Cline Medical Centre and Oceanside Functional Medicine Research Institute, Vancouver Island, British Columbia, Canada.

"The best way to get rid of heavy metals and pesticide residues? The infrared sauna. It has been known for decades that sweating is a wonderful way to get rid of stored chemicals, including heavy metals. In fact, sauna is one of the detoxification procedures used in the Environmental Units in Dallas (Dr. William Rea) and North Charleston (Dr. Allan Lieberman) where the sickest of folks go to heal. But many people, myself included, never could tolerate a sauna. We felt weak, sick, fast heart rate, faint, dizzy, headachy, or just miserable. Thanks to improved

technology, the infrared sauna is tolerated much better, because it uses a heat energy that penetrates the tissues better, allowing an overall lower temperature to be used." Dr. Sherry Rogers, *Total Wellness*, May 2000.

"Shocking statistics reveal that in North America alone there are over 77,000 chemicals being produced. 3,000 of them have been added to our food supply and 20,000 of them cannot be metabolized properly by our bodies."

Dr. George Yu, MD

nitric oxide gas, which is produced, by Infrared, is used by white cells to defend against tumors and allows healing to take place.

Improves Skin

The profuse sweating achieved after just a few minutes in an infrared sauna carries off deeply imbedded impurities and dead skin cells, leaving the skin glowing and immaculately clean. Increased circulation draws the skin's own natural nutrients to the surface.

The body experiences improved tone, elasticity, texture and fresh color. Increased blood circulation has also been shown to relieve acne, eczema, psoriasis, burns, lesions and cuts. In addition, open wounds heal more quickly, reducing scarring. There is substantial evidence for the production of Nitric Oxide in body with the use of Infrared Therapy. The Nobel Prize in Medicine in 1998 was awarded to Murad, Furchgott & Ignaro who found that

INFRARED AND NITRIC OXIDE

Dr. Valentino Fuster, past president of the American Heart Association, called the nitric oxide discovery "one of the most important discoveries in the history of cardiovascular medicine because it promotes expansion of the capillaries and allows blood to increase circulation in the affected area and to then reduce the risk of heart attacks and strokes.

Dr. Lon R. Horwitz reports in *Augmentation of Wound Healing Using Monochromatic Infrared Energy*; *Advances in Wound Care*; author's unpublished research, that a Infrared energy modality increases nitric acid in the blood and plasma of normal adult subjects. A 1999 publication by Dr. Horwitz strongly suggests that Infrared produces nitric oxide gas, which aided in the recovery of the five patients in a study, who could not get healing conventionally. They had various diabetic problems and were not able to heal, but they received the nitric oxide technology produced by the Infrared, and healing took place for all of them.

When you apply Infrared technology, these researchers report seeing healing results from the production of nitric oxide by the hemoglobin due to the reaction of the photons of the Infrared on the enzymes, which produces the nitric oxide gas. The immune cells get into the area and the circulation is increased. Pain is reduced, and the area then is reported to have the immune cells necessary to get complete healing.

The wide-ranging results of nitric oxide may pay off in new treatments for:

- Atherosclerosis (a thickening of artery walls);
- Septic shock (a dangerous drop in blood pressure);
- Cancer.

The Infrared protocol has been instituted after conventional management protocols were shown to be ineffective in wound healing. The rate and quality of healing of these previously refractory wounds, following use of Infrared energy, may be related to local increases in nitric oxide concentration. Increases in nitric oxide previously have been demonstrated to correlate with vasodilatory and anabolic responses.

Additional research has suggested that FAR Infrared heat produces therapeutic effects in the following:

- Brain - Short-term memory reportedly improved/accelerated repair in brain contusions; Cerebral hemorrhages healing with Infrared both speeds up and is significantly enhanced.
- Collagen Tissues - Helps Ligaments /Joint capsules /Tendons; In Fascia Synovium, Infrared allegedly increases range of motion; Infrared reportedly can assist in treatment of scarred, thickened or contracted tissues; Can increase extensibility of collagen tissues.
- Body Tissues - Reduces acidity in the body (Infrared causes fruit to ripen faster by reducing acidity).
- Nerves - Neurasthenia -Infrared reportedly adjusts autonomic nerve function; Reportedly Infrared reduces over-stimulation of sensory nerves.
- Cells - Infrared attracts calcium ions to the cellular level; Infrared promotes adhesion and osmosis of water molecules across the cellular membrane; Infrared stimulates enzyme activity.
- Joints - Supposedly assists in reduction of swelling and inflammation by improving lymph flow; Purportedly decreases joint stiffness directly.
- Pain Relief - Infrared reportedly reduces neuralgia headache pain during menstruation; May lead to increased endorphin production, which reduces pain.
- Conditions Affected by Circulation - Reportedly increases blood flow by promoting dilation of capillaries; Reportedly reduces clogged capillary vessels in hypertension arteriosclerosis; Reportedly affects high blood pressure/low blood pressure in coronary artery disease; Can reportedly reduce arthritis sciatica backaches; Can be positive in treating hemorrhoids/nervous tension/diabetes; May be useful in treating varicose veins/neuritis bursitis; Can be effective with rheumatism /strained muscles/fatigue; Can reduce stretch marks/menstrual cramps/upset stomach; Can reduce negative symptoms of piles/poor peripheral circulation.
- Cardiovascular - Fir may be effective in treating atherosclerosis (thickening of artery walls due to fatty deposits) May assist with septic shock (dangerous drop of blood pressure)

- Research by NASA in the early 1980 s led to the conclusion that infrared stimulation of cardiovascular function would be the ideal way to maintain cardiovascular conditioning in American astronauts during long space flights. As the body works to cool itself, there is a substantial increase in heart rate, cardiac output and metabolic rate, and blood flow rises.
- Inflammatory infiltrates, edema, and exudates - Reportedly reduces edema of the joints/ inflammation of joints/tendonitis Can positively influence sprain joint stiffness/peripheral occlusive disease; Can reduce the symptoms of gout; Can reportedly speed up healing / Reports of treatment with infrared have been so successful that hospital stays were reported to have been reduced by 25%.
- Cancer - Infrared has possible efficacy in cancer therapy/cancer of the tongue Infrared may assist in treating radiation sickness/seems to relieve signs & symptoms; Suggested efficacy in treating cancer pain/paid reportedly relieved in later stages of cancer; Infrared heat can penetrate through the body and will reportedly kill cancerous cells (Cancerous cells cannot exist if blood circulation is smooth. Good circulation in the capillaries leave no room for a cancerous cell to settle down. (A cancerous cell has to settle down so it can proliferate.) Infrared helps capillaries to expand, improving circulation. The cancer cell also has a weakness: heat above 42 deg C can kill it. Infrared heat can reportedly penetrate through the body and kill cancerous cells. Infrared treatment raises body temperature. Infrared therapy can reportedly alleviate pain and prolong life when conventional cancer treatment fails. Surgery, radiotherapy and chemotherapy are considered detrimental to health, since they are invasive treatments. Infrared therapy and immuno-therapy are currently regarded as non-invasive. Infrared may be very beneficial).
- Dentistry - Dr. John Tate, DDS, is quoted as saying; "I have used the Infrared with over fifty high risk surgical cases without complication or dry sockets on 92% of the patient. They get what we call complete healing. The macrophages produce collagen necessary to stimulate the fibroblasts, and the tissue of the fibroblasts then will stimulate the osteoblast-which is bone. That is where the bone forms and it starts in the first three days – but it takes about six months for complete healing. The two main cells we need in dentistry and in surgery around the bone area are the macrophages and the neutrophils" (which are activated by Infrared heat). "The macrophage is called the "pac man" of the immune system. The macrophage is a cell that engulfs and digests microorganisms. Everything starts with the macrophage – "macro" meaning big and "phage" meaning eater. So we have a big eater here. The tentacle on the macrophage grabs the staphylococci and a bacillus rod, and that macrophage extends a pseudo paw to get the bacteria that is now invading our blood!"
- Immune System - Infrared may assist in pelvic infection/post-surgical infection; Infrared may be an efficacious treatment in toe-and-finger-nail fungus; There is an immune response facilitated by the photons of the Infrared technology that turns on the enzyme system, particularly the nitric oxide synthase enzyme. More white blood cells means greater immune function and resistance to disease and viruses. It is well established medically that this is the mechanism involved in the Infrared technology. One autoimmune disease which may be assisted by Infrared is Scleroderma (an autoimmune disease where collagen builds up and healing cannot take place because the circulation can't get to the area due to the buildup of the collagen).

We can easily add several more pages of Infrared and Nitric Oxide benefits and suggest <http://www.biofircenter.com/info/far-infrared-technology-research-fir-from-all-around-the-world> for additional information on the subject.

WEIGHT LOSS

The health benefits of the infrared saunas, historically, are well documented to relieve pain, increase circulation, provide alternative medicine healing and detoxification, and with a return to health and vitality, a return to improved fitness and appearance can also occur.

The Photon Genius is the most advanced sauna in history. As discussed previously, there are “noticeable” positive affects of heat, light, harmonic energy transmission and particularly with the first and only “controlled” near and far infrared sauna ever, there are “noticeable” changes in appearance and weight.

With the Photon Genius, you will sweat a lot when you are in this new Energy Sauna. Cells are moving around, heat is produced, energy is received, the circulation is improving and changes in appearance with weight loss is the result. In fact, depending on usage (length of time and number of sessions), a single session can “burn” from 300 to 700 calories, the equivalent of a six mile run, 30 minutes of rowing, or several hours in a gym.

In addition to weight loss, you are sweating out toxins that your body has been storing up all of your life. You will start to see and feel an improvement not only in your weight management, but also in your overall health and appearance.

Many women notice other wonderful benefits in addition to weight management. Some of them will be relieved of painful menstrual cramps as well. This is because the blood is circulating better and reaching all of the muscles and organs. The Photon Genius empowers the body to work more efficiently and effectively, and the result is a dynamic reduction in multiple stresses in the body which translates to feeling and looking better.

Cellulite Reduction

Almost all women have cellulite. Cellulite is the body's natural way of storing fat in post-adolescent women to ensure that the body has enough calories available for pregnancy and lactation.

There are a number of well-known issues that promote the creation of cellulite including:

- smoking
- alcohol
- tight garments
- genetic and hormonal factors
- poor blood circulation
- toxic exposures

Stimulating blood circulation is a very effective way to reduce cellulite in the body. You can increase blood circulation with:

- regular exercise
- skin dry-brushing
- massage therapy
- infrared sauna therapy

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The Photon Genius is extremely effective at stimulating blood circulation. Energy Infrared rays penetrate the body up to three inches, heating up body tissues and internal organs. This heat causes increased sweat gland activity and dilatation in capillaries, promoting improved blood circulation and toxic elimination.

The Energy Infrared waves are a natural cellulite remedy. Fat liquefies at 110°F or 43°C. This Energy Heat therapy liquefies the cellulite/fat stored deep in the body. The cellulite/fat is then released into the blood stream or removed from the body via sweat and the eliminative organs. The end result is skin that is more youthful, beautiful and smooth.

SKIN AND SKIN DISORDERS

Psoriasis, eczema, acne are three very common skin disorders that tend to cause hardship for millions of people. These skin conditions affect the individual on many physical and emotional levels including physical pain and aggravation accompanied by lowered self-esteem, nervousness, and continual stress with a tendency to result in a feeling of embarrassment.

The Photon Genius has been shown to help reduce and promote healing of the skin lesions involved in many conditions in several different ways. With the Photon Genius, the "controlled" Infrared waves penetrate deep into your skin and up to three inches into the tissues. This increases blood circulation (vasculature) to your skin cells by increasing the formation of new capillaries and disinfecting every capillary of your blood and replace damaged cells. This new blood supply carries an increased oxygen supply to the cells that allows an increase in transportation of fresh nutrients into the damaged skin areas promoting healing, and a rush of waste products out of the tissues through the skin so the cells can be improved and function better. This "noticeably" improves the tone, condition, and appearance of the skin.

ATP – Adenosine Triphosphate (ATP)

The Photon Genius also activates "ATP" (Adenosine Triphosphate) in the skin cells. ATP is the major carrier of energy to all cells. These increased levels of ATP will allow the skin cells to accept nutrients faster and dump waste products more readily. This causes a deep cleansing of your skin cells causing them to be renewed faster, healthier, and in better condition. ATP is also great for helping the cell processes kill the bacteria, germs, and infections that cause skin inflammation.

Other effects of the Photon Genius includes the purging of clogged pores, the release of deeply embedded impurities, the removal of dead skin cells and especially for acne

sufferers, the shrinking of the sebaceous glands. Leading research in the areas of psoriasis, eczema and acne relate many health issues as the cause of these skin disorders. These are mainly stress, a decreased immune system and being toxic. Thankfully the Photon Genius sessions can improve them all.

Immune Response

Besides affecting the skin cells directly as discussed above, the Energy Infrared from the Photon Genius elicits an increase in the body's immune response by heating it up and creating an artificial fever, which in turn will promote a natural healing response thus slowing down viral and fungal and bacterial growth. Now your immune system can function better to heal the skin. For detoxification, because the energy infrared waves penetrate so deeply through our skin into tissues, as the body heats up, they open the pores of our skin at their base so toxins are released with the sweat. This includes heavy metals, fat-soluble toxins, sulphuric acid, plastics, and much more. As we detoxify, the functioning of every system in our body improves including skin formation, cleansing, elasticity and appearance.

The Photon Genius helps to greatly reduce your stress by providing you with a new experience of relaxation, warmth and healing. Imagine, your skin looking healthier, more radiant and you feeling better in so many ways at the same time. Ever since the beginning of time we have searched for the fountain of youth. As we age, certain components of our skin begin to breakdown and degenerate setting the stage for the appearance of fine lines, wrinkles, furrows, folds, and sagging skin. The two main offenders are collagen and elastin. When they are in great supply they give our skin its healthy tone and firmness. The Photon Genius increases the quality and quantity of both, while increasing and improving the quality and appearance of the skin.

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Aging

According to research performed by the American Academy of Dermatology, they state that as skin cells age, they begin to produce an increased amount of unstable oxygen molecules otherwise known as free radicals. These free radicals attack and damage the healthy cell membranes, proteins and DNA. Normally in younger people the skin cells can produce their own antioxidants to combat the damaging free radicals but in older skin cells unfortunately we lose that ability with increased toxic exposures, insults to the body, and time.

Collagen is a protein in our skin cells that is responsible for giving our skin its youthful tautness and suppleness. It has a high degree of elasticity. Collagen is the essential protein that is used by the cells to repair damaged tissue and to replace old tissue. As we age, this is one of the skin cells' proteins that are attacked by the increased amounts of free radicals and toxins. This causes the collagen fibers to become inflexible instead of being able to slide and flex thus our skin begins to degenerate and look older.

Photon Genius sessions can have amazing effects on aging skin in so many ways. The Photon Genius promotes increased circulation to the skin cells by generating new capillaries. This increased blood supply carries more oxygen and nutrients to the cells and carries away toxins and waste products. This allows the cells to function at a more optimal level and therefore flushes out the free radicals that are damaging the collagen.

The Photon Genius actually stimulates the production of collagen that will help the skin to retain its elasticity. It also helps stimulate the production of cells called fibroblasts. Fibroblasts are a type of cell that works to constantly replenish the skin's production of collagen and elastin.

Besides directly affecting the skin cells, The Photon Genius works through several other avenues to assist in slowing down the aging process. It stimulates and helps to develop a stronger immune system, it provides a full body detoxification and it promotes relaxation and comfort thus reducing stress which is noticeable in appearance.

What could be better than a healthy, non-invasive therapy that could give you firmer skin, smoothing of wrinkles, and a decrease in blemishes and sun damage spots? Billions of dollars are spent every year on cosmetic surgery in a quest to improve appearance and look younger. Most people don't understand that youth, vitality and longevity come from the inside of the body. Most people are also unaware the body's natural decrease in youth and vitality starts approximately around the age of 25. Starting at that age we can see the start of measurable decrease in hormones, enzymes and neurological function; if you then have an unhealthy life style you are further accelerating the aging process. To slow the aging process we should first adopt a healthy life style, eat natural healthy good nutritional food, drink good water, exercise regularly, reduce toxic exposures, get a good night's sleep and decrease stress levels. Unfortunately that will still not be enough to slow aging without help,

so in addition to a healthy life style we need to do things that will help to increase hormones, enzymes and neurological function.

Homeostasis – The Body Is Designed To Heal Itself

When you read any book on the science of physiology it will tell you that the body is always seeking a state of homeostasis. Homeostasis is the ideal state where the body is the healthiest. The science and philosophy of natural medicine studies demonstrates how the body heals itself

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naturally and then helps to support this healing process when needed. The body is born with the innate ability to heal itself naturally and prevent disease when it is in a state of homeostasis. The body has an immune system, a circulatory system; it regulates body temperature, it regulates internal body biochemistry (homeostasis) and it can heal and regenerate damaged cells or tissues. Exciting new research from Europe and Asia has found a new way to help slow the aging process. One of the most effective methods of rejuvenating the body and slowing the aging process is the use of Infrared Therapy.

While Infrared is not new, the method by which it is used is. Also, the development of new, more powerful Infrared units like the Photon Genius and new protocols (a protocol is a method of making Infrared therapeutically more effective) have produced exciting results in the treatment of chronic health problems. The appearance of the skin can tell a great deal about the health of an individual. Skin blemishes, rashes, discoloration and dark circles under the eyes can all be telltale signs of infections, allergies, toxic burdens, or excessive nicotine, alcohol or drug use, or excessive stress. All of these signs indicate the diminished health of an individual and should not be taken lightly.

Toxins and Skin

Researchers have analyzed the subcutaneous adipose layer (fatty tissue) just below the skin and have found that it contains numerous toxins. These toxins come from the external environment or have been inhaled or ingested.

These toxins include pesticides like DDT, PCB, dioxins, atrazine, heavy metals like mercury, lead and cadmium, pharmaceutical (drugs) residue, trichloroethylene (from chlorinated drinking water), benzene (from air fresheners) toluene (from house paint). Researchers then analyzed the sweat from Infrared and found that it contained 80 to 85% water, sodium, trace minerals, uric acid, ammonia,

cholesterol and a combination of the toxins listed above. These toxins are related to many serious and chronic health conditions and should not be found in the body in any quantity at any time. Traditional detoxification protocols using the colon, lung, kidneys, liver and chelation alone were shown to be less effective than Infrared Therapy. The Photon Genius has also been found to be a beneficial adjunctive in helping with patients' detoxification from nicotine, alcohol and pharmaceuticals. The Photon Genius has other health benefits in addition to detoxification. It also improves white blood cell activity and lymphatic drainage, which improves how the immune system functions.

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The Photon Genius helps to reduce tissue inflammation and stimulates endorphin production, explaining its popularity in the treatment of musculoskeletal injuries and arthritic conditions. Detoxification via the skin also prevents the patient from experiencing the Herxheimer Reaction (known as the healing crisis), whose symptoms include fever, chills, headache, myalgia (muscle pain) and exacerbation of skin lesions. The Photon Genius is effective in reducing and eliminating these Herxheimer reactions.

There are literally dozens of Doctors and individuals on YouTube sharing their experiences with the Photon-Genius, the Photon Genie, and the Skilling Institute. If you had to pick a single one to watch, we recommend that you watch the following YouTube video with **Doctors Tom and Joy Watson**.

Dr. Tom Watson, C.K., L.M.T., a clinical kinesiologist trained in oriental medicine and his wife Dr. Joy Watson, CTM, LaCH, a doctor of Naturopathy, operate two alternative medicine clinics. This video is remarkable because it touches on many subjects and many case histories. The Watson Clinics began using their Photon-Genius in the fall of 2010 and this video was made on April 18, 2011. The Watson's have very positive things to say about their experiences with the Photon-Genius.

The Watson's specialize in the treatment of "catastrophic illnesses of all kinds and have over 20 years experience.

- All of their patients appear to have more energy, more vitality and greater strength after using the Photon Genius
- They describe the activity of the Photon Genius as,
 - "Improves circulation including lymphatic circulation, basically our immune system, loosens the lymph nodes, breaking down the thickness of the lymph fluids, so they can drain."
 - "Our bodies are designed to heal ourselves."
 - "Allows the body to cast out negative influences."
 - "Our bodies will rejuvenate. We put that energy into the body and then the body has enough energy to heal ourselves."
 - "Adds coherent, harmonic and frequency energetics into the body to allow their body to overcome those things ailing them."
- Of the more than twenty patient studies that they discuss with "glowing" results, perhaps the best are as follows:

- A hospice patient used the Photon Genius for two hours per day and after 14 days was able to go back to work.
- A stage 4 prostate cancer patient used the Photon Genius two hours per day for 14 days and was able to hold down a job.
- An emphysema patient used the Genius three times per week and had her lungs cleared, no longer requiring treatment for the emphysema.
- A bladder cancer patient used the instrument for six weeks and their cancer was no longer detectable, even after biopsy.
- A terminal cancer patient bound by wheelchair and in hospice was able to use a walker and stand after only four uses in the Photon-Genius.

The Watson's tell of a number of cases where the Photon-Genius is particularly effective on the lungs and circulatory system, improvements with Parkinson's patients, Diabetes' patients, breast cancers, etc.

<http://www.youtube.com/watch?v=qRaUvY0tpD8>

Dr. Hayle Aldren

This short video is interesting because Dr. Aldren had an interest in electro-medicine and actually did consulting with firms in this regard after medical school and was already aware that the body needs more things than just "food, water and air, and, in addition, sound, light and harmonic energy."

- To quote Dr. Aldren, "This technology (Photon Genius)...removes some of the negative affects that are superimposed artificially that our environment produces and at the same time restores some of the electro-nutrition aspects to the physiology."
- "Cancer cells are depolarized and have lost that voltage difference between inside and outside [the cell]. The less the voltage, the more prone that the cell is to divide, and if you can restore that voltage cell division automatically slows down."

- "This is an area that I think we have sadly underestimated both in terms of the medical profession and also in the day to day living."

<http://www.youtube.com/watch?v=N-44s46TRe8&feature=related>

Dr. Eli Ber, a Naturopathic Physician and his experiences:

Lyme Disease: <http://www.youtube.com/watch?v=-qUKVx8gPMw&feature=related>

Cancer: http://www.youtube.com/watch?v=wPy2jbN0250&feature=results_video&playnext=1&list=PL02905A16D386D272

Lori Philips, RN talks about how the Photon Genius helps in your medical practice:

Practice:

<http://www.youtube.com/watch?v=eWezY4mlHak>

Cancer:

http://www.youtube.com/watch?v=4XXM_otxE3U

Across the World:

<http://www.youtube.com/watch?v=tdWTrXcBgn4>

Epilepsy:

<http://www.youtube.com/watch?v=XcfHjyh7db8>

Dr. Allen, Certified Olympic Chiropractor, talks about his Photon Genius experiences:

<http://www.youtube.com/watch?v=KO-8Y22Zos>

Craig Ray, practicing clinician and his client experiences using Photon Genius:

Part One:

<http://www.youtube.com/watch?v=MPzmqKMxxGc>

Part Two:

<http://www.youtube.com/watch?v=H1vc5cSkbCU>

Part Three:

<http://www.youtube.com/watch?v=5ZoqGYDVJng>

A Few Patient Testimonials Using Photon Genius.

Carmen's Story:

<http://www.youtube.com/watch?v=F5aRc3CT71M>

Jessie Sander's Story (93 years old):

<http://www.youtube.com/watch?v=q54AoJv7ixQ>

Two Cancer Survivor's discuss their Photon Genius results:

http://www.youtube.com/watch?v=zZ_PGaPtDaw

MORE VIDEOS AVAILABLE UPON REQUEST.



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