Rhythmedics® Vibrational Energy Medicine

An introduction to NuTesla Corp.

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Prepared By James D. Honeycutt, PhD NuTesla President and Chairman www.NuTesla.com

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1. Executive Overview

NuTesla is an organically funded corporation dedicated to developing, manufacturing and wholesaling frequency based therapeutic instruments worldwide which combine the resonant energy discoveries of Nikola Tesla with today's leading edge technologies. (Nu is the Greek letter for frequency as used in electronics).

NuTesla was organized in May of 2008 to productize and market the research and development efforts of EH Technologies, Inc. an incubator corporation formed in 2003 by two of NuTesla's founders. The first products NuTesla brought to market were Somnius for sleeping and Clarius for mental clarity, awareness and clearing. These were launched in August of 2010. Tesla Jewels for integrating mind, body and spirit were introduced in early 2011. Pendulum Plus was released to production in the summer of 2012. Metronome was released to production in early 2013. Pürius and Millennius are nearing their public release.

Somnius, Clarius and Tesla Jewels are based on the same hardware platform with unique software and labeling to distinguish the products. Each is 2 ½ inches square by 1/3 inch thick and is powered by a standard USB mini-B power adapter or a USB cable connected to a computer. Tesla Jewels feature a clear acrylic top plate to support visibility to its 16 elemental colored Light Emitting Diodes (LEDs). Pendulum is the first wearable instrument with a rechargeable battery for continual day and night circadian pacing and balancing. Metronome is a rechargeable wellness instrument in the same size format as Clarius and Somnius. Pürius is used to purify the energy within our homes and offices over the power line wiring, as well as in our automobiles and personal electronics. Millennius is energy medicine for the new millennium.

NuTesla's founders have been granted the first three of seven patents, which three provide IP protections for the core technologies found in all their products referred to as Rhythmedics®. NuTesla has received notice from the USPTO that the patent for Pürius will be granted later this year and expects all remaining pending patents to be allowed as well.

NuTesla's namesake, Nikola Tesla, was a prolific inventor, scientist, and contemporary of Thomas Edison. Tesla was the actual inventor of the radio and was granted hundreds of patents in his lifetime. His work with high frequencies and Electromedicine led him to understand vibrational resonances occur in all matter and how very small amounts of resonant energy can have very large effects.

Rhythmedics is based on Vibrational Resonance

Vibrational resonance is the natural frequency of an object, whether something mechanical as a tuning fork or organic as the cells in your body. Mild resonant energies can stimulate objects of the same frequency using sympathetic vibrations. Bio-Pulses™ produced by NuTesla's instruments help shift the out-of-tune frequencies back to healthy vibrations. The science of applying resonant frequencies in therapeutic settings is known

as Rhythmedics®, and is the trademarked name of the technology NuTesla uses in all of its instruments.

Electricity and magnetism are two of the primal forces of the universe and are inseparable; you cannot have one without the other. When you pass electricity through a conductor it generates a magnetic field. If you pass a magnet near a conductor it causes electrical current to flow. Electromagnetism is the term that represents these two forces linked together. Electromagnetism also exists in our bodies. Our brain sends electrical impulses through neurons to tissues to control them. All cellular activities are the result of electrical charges (ions and anions) moving between and/or within our cells.

Bio-Pulses are precise pulses of electromagnetic energy at specific frequencies which produce sympathetic vibrations in living (bio) organisms, including your body, to restore healthy frequencies. Bio-Pulses encourage homeostasis by stimulating the resonant energies in healthy cells and helping to shift out-of-tune vibrations back into healthy frequencies.

Rhythmedics Instruments help restore Circadian Rhythms

The term Circadian Rhythm was coined by Dr. Franz Halberg in the 1950's when he discovered our cellular processes occurred at repeating intervals each day. Circa is Latin for "about", and dian means "a day". This "about a day" rhythm repeats each day and is comprised of shorter ultradian rhythms.

Each night we have repeating sleep cycles ranging from deep sleep to dream sleep. We have similar cycles during our waking hours. These cycles are our ultradian rhythms, which are a result of our internal biological clocks. This system of internal clocks regulates critical cellular processes including the production of proteins for repair and growth. This production of proteins only occurs at the beginning of each ultradian rhythm.

Our body's rhythms occur naturally in healthy individuals, and can be affected by ElectroMagnetic Radiation (EMR). EMR can disrupt our internal clocks, affecting our body's rhythms and preventing us from producing the proteins we need for the balanced growth and repair of homeostasis.

ElectroMagnetic Radiation is emitted from man-made sources such as high-voltage power lines and the abundance of electronic devices which surround us. While any one source of EMR may not adversely affect you, being constantly bombarded by multiple EMR can interfere with your internal clock, preventing homeostasis.

Rhythmedics Instruments help interrupt EMR

Rhythmedics Bio-Pulses interrupt potentially harmful EMR emissions, while generating time queuing signals to resynchronize your internal clock. Bio-Pulses use the frequencies of brainwave activity that occur during our waking and sleeping periods following natural ultradian cycles. This results in brainwave entrainment and helps restore the central timekeeping mechanism in our body.

Whenever we are subjected to a repetitive stimulus our brain begins to synchronize with the external signal. Many of us have experienced this when becoming entranced by a

flickering flame or the sound of a dripping faucet. Bio-Pulses have a similar effect, but with no sensory awareness of the stimulus.

Bio-Pulses are very low power, time-varying square waves of short duration which are generated by a precise quartz crystal timing element with a Fibonacci number fundamental frequency.

Rhythmedics Instruments are based on Fibonacci numbers

Fibonacci numbers are a naturally occurring sequence where the previous two numbers are added to create the next number in the sequence. This sequence occurs throughout nature and can be seen in the number of petals on many flowers or the increasing number of seeds in each successive circumference of a sunflower seedpod. As this sequence grows, the ratio between two adjacent Fibonacci numbers approaches the Golden Ratio known as Phi (pronounced fee), which also occurs throughout nature.

Phi is the ratio of 1.618 to 1 and is observed in nature. Each successive chamber in a nautilus shell is Phi (1.618) times greater in radius than the previous. Growth notches on plant stems are Phi times further apart than the newer growth. Phi can also be found in what is referred to as "junk DNA", strands of nucleic acid base-pairs that make up the steps in the double helix ladder of our DNA, which do not decode to any known protein sequences. These strands of junk DNA are believed to provide supra-resonances in our DNA to balance its structure. Phi is also found in many forms of sacred geometry.

Rhythmedics Instruments improve the body's flow of energy

Our bodies depend upon the unimpeded flow of energies to function optimally. A pinched nerve is not only painful, but prevents the brain from communicating with that part of the body. Our nervous system is only one of the energy systems in our bodies. Acupuncture accesses our body's energy meridians and is used to both block and open these less obvious, but just as real, energy pathways. Energy blockages can occur as a result of injuries and traumas on all levels, whether physical, emotional, or spiritual, and all can impede the flow of life force energies. Even after an injury has healed, scar tissue can interfere with the flow of energy. Rhythmedics instruments are designed to unblock these pathways.

Rhythmedics Instruments and your Wellness Number

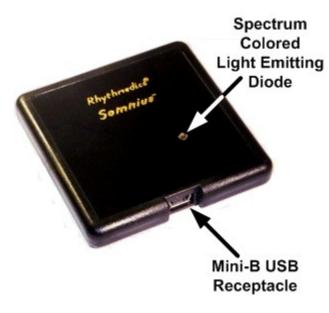
Your Wellness Number is a measure of your overall wellness using the rate at which a rapidly flashing light appears to be on steadily. The point at which the flashes fuse into a steady light is known as the critical flicker fusion frequency and is unique to each person. It has been shown that higher flicker fusion frequencies indicate improved wellness. While you cannot compare your Wellness Number to someone else's, by knowing your number and its trends you can determine your overall wellness. You can actually use your fusion frequency to shift yourself from a state of poor health to improved health.

All NuTesla instruments include the ability to measure, report, and apply your unique Wellness Number to assist you in assessing your wellness and in restoring balance to your energy systems.

2. About Simply Sleeping™

Somnius[™] is Simply Sleeping. Simply sleeping without drugs, without waiting and without worry. After years of difficulty sleeping, even with pharmaceuticals, which only gave the appearance of sleep, the inventors of Somnius discovered how mild electromagnetic pulses caused brainwave entrainment. Just as you can become entranced watching a flickering flame or listening to the rain, so can specific frequencies of electromagnetic pulses cause similar entrainment. The inventors patented their technique of recreating circadian sleep rhythms to help you fall asleep naturally and restore youthful and healthy sleep cycles.

Sleep studies confirm Somnius causes brainwave entrainment leading the study participants to fall asleep three to four times faster, wake much less frequently during the night and awaken in the morning feeling more rested. Somnius is a small USB powered instrument, only 2½" square by 3/8" thick, which is placed under your pillow, or even on your night stand, and runs continuously.



Somnius now comes with SIX different sleep programs and the Light Emitting capacity for up to eight different preset sleep programs. The included Deep Sleep program is for those that want to sleep deeply and difficulty asleep have staying through the night, Solfeggio Sleep program blends the ancient Solfeggio scale frequencies with sleeping brainwave frequencies for a slightly lighter sleep experience. Dream Sleep encourages dreaming and remembering your dreams. Deeper Sleep features even lower

frequencies to assist in spending more time in Stages 3 and 4 of the deepest portion of sleep. Additional sleep programs will be available from NuTesla.com, the manufacturer of Somnius, for free 10 day trials.

Somnius is simple to use, simple to understand, and simple to acquire.

Somnius is Simply Sleeping.

(http://SimplySleeping.com)

3. NuTesla Sleep Study Shows Somnius™ Sleep Entrainment

During September through November of 2009 NuTesla conducted a sleep study of six individuals using an ambulatory sleep monitoring system to determine the effectiveness of the Rhythmedics® Somnius™ sleep entrainment instrument. The following report shows Somnius improved both the subjective and objective quality of sleep for all participants who previously reported sleep difficulties. These improvements were due to Somnius′ patented method of non-invasively achieving brainwave entrainment emulating ultradian sleep rhythms.

The Somnius sleep entrainment instrument produces non-invasive electromagnetic pulses using a patented technique (called Bio-Pulses™) that follow naturally occurring ultradian sleep cycles. Two versions of Somnius were used in the study, one with a fixed 90 minute repeating sleep cycle and one with a reducing sleep cycle that starts at 110 minutes in duration and reduces by 6 minutes for each subsequent cycle. The purpose of the study was to determine if Somnius' Bio-Pulses induced brainwave entrainment to help the participants fall asleep faster and stay asleep longer and awaken feeling better. Brainwave entrainment occurs when brain activity follows some external stimulus. Objective measurements of brainwave activity using an ambulatory sleep monitor were used to determine Somnius' ability to affect the brainwave activity of the study participants.

The monitoring equipment consisted of a Bluetooth wireless brainwave monitoring head-band and a bedside receiver/recording device. The use of an in-home ambulatory sleep monitor allowed the study participants to sleep in their own bedroom environment. A baseline was first established for each participant consisting of monitoring his or her sleep cycles without any sleep medications and without Somnius.

The study included an 11 year old male, a 34 year old female, a 54 year old male, a 54 year old female, a 70 year old female and a 74 year old male. Baseline monitoring of all six individuals showed only the 11 year old male had healthy sleep cycles upon entering the study. The remaining five individuals had irregular sleep cycles, experienced frequent wake-up events throughout the night and had very little deep sleep time (stages 3 and 4 of sleep).

The 11 year old male was the only participant with normal sleep cycles upon entering the study. The use of Somnius did not interfere with his naturally occurring healthy sleep patterns and he was subsequently released from the study.

The 34 year old female reported she was able to fall asleep normally but did not feel that her sleep was very restful. Her baseline sleep monitoring revealed she experienced frequent wake-ups throughout the night and had irregular sleep cycles as a result. Her baseline sleep pattern before and after Somnius are shown later in this report.

The 54 year old female had previously been taking 5 milligrams of Ambien each night for the previous 5 years. Upon entering the study she stopped using Ambien. Prior to this study she had difficulty falling asleep without Ambien, her sleep cycles were irregular and she experienced frequent wake-ups throughout the night. With the use of Somnius she was able to fall asleep naturally and stay asleep longer and experienced fewer wake-ups. When she did awaken during the night she was able to return to sleep quickly.

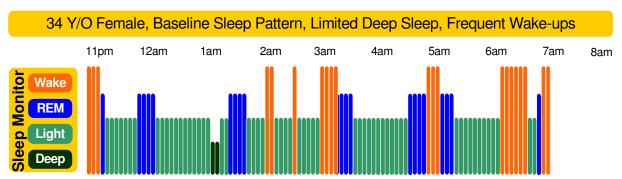
The 54 year old male participant felt he had normal sleep cycles upon entering the study. The first night of monitoring clearly showed his sleep cycles were irregular and he experienced frequent wake-ups and had difficulty sleeping more than 6 ½ hours. With Somnius his sleep patterns improved and he reported his overall quality of sleep was much better. Examples of his baseline and Somnius sleep patterns are included in this report.

The 70 year old female was under the care of a physician for heart related issues and reported she had a difficult time falling asleep and staying asleep. This was clearly seen in her sleep monitoring. Somnius provide some improvements in her sleep, but due to her underlying medical conditions she was subsequently excluded from the study.

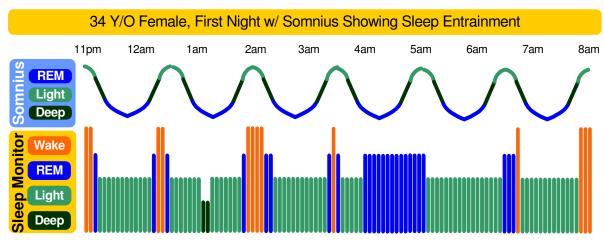
The 74 year old male had difficulty sleeping and experienced frequent wake-ups during the night due to prostatitus necessitating the emptying of his bladder. With Somnius he experienced fewer wake-ups and it helped him return back to sleep more quickly after getting up to empty his bladder. Examples of his baseline and Somnius sleep patterns are included in this report.

For the purposes of this study the start of sleep times have all been normalized to 11PM. Actual bedtimes ranged from 10PM to 1AM. The following summary results are for three of the six participants. The ambulatory sleep monitoring equipment recorded brainwave activity and reported it in five minute segments and averaged each 5 minute segment and assigned that segment to one of four stages of sleep, ranging from awake to deep sleep. These are color coded in the resulting graphs. When Somnius was used an additional graphical representation showing the brainwave frequency generated is superimposed above the sleep monitoring graph. To the left of each graph is a color coded key identifying the frequency range for Somnius, or recorded sleep cycle range for the monitoring equipment.

The first graph is for the 34 year old female study participant showing her baseline sleep monitoring before using Somnius.

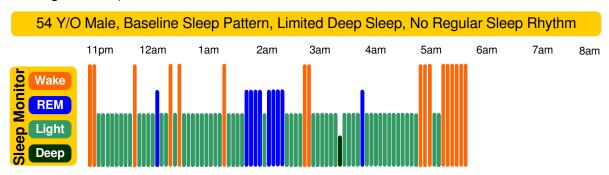


This graph shows the participant fell asleep in 15 minutes, but only had one period of deep sleep. Additionally, she woke up frequently starting at 2AM. The following graph shows the same participant's sleep cycles the first night with Somnius running a fixed repeating 90 minute sleep cycle. Subsequent nights with Somnius showed improved entrainment.

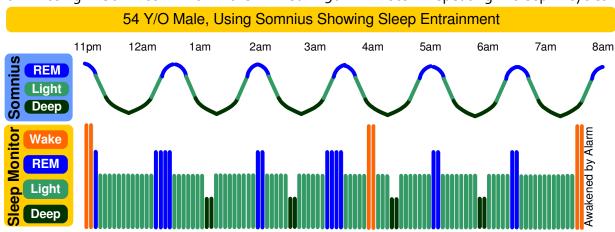


The graph above shows the Somnius Bio-Pulse frequencies between the time stamps and sleep monitoring graph. The participant fell asleep 33% quicker and sleep entrainment is clearly seen to follow until the long period of REM that started just after 4AM. Sleep entrainment recurred after that period and continued until the subject woke up at the end of the sleep cycle. The participant reported her sleep was much improved and she felt more rested.

The following graph is for the 54 year old male and shows his baseline sleep pattern upon entering the study.

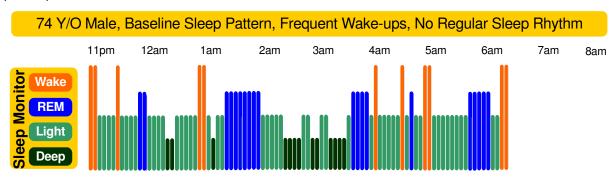


The baseline graph above shows the participant fell asleep in 10 minutes but had frequent wake-ups throughout the night and only one period of deep sleep. Also note there is no regularity to the participant's sleep pattern. The following graph is for the same participant now using Somnius with the fixed 90 minute repeating sleep cycles.

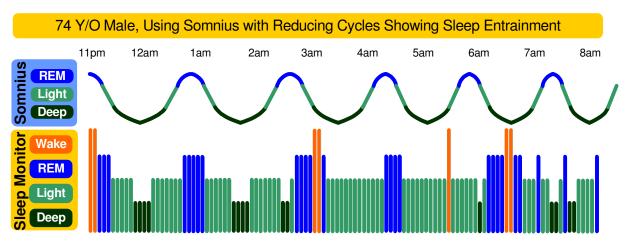


Sleep entrainment in the above graph can clearly be seen as well as the improved deep sleep cycles that are now 8 hours in length.

The following graph is the baseline sleep study monitoring session for the 74 year male study participant.



The following graph is for the same 74 year old participant with Somnius running a gradually reducing sleep cycle that ranges from 110 minutes at the start of the sleep period to 75 minutes at the end.



Sleep entrainment is clearly shown in the fist half of the sleep period. When the participant woke up at 3 am to empty his bladder the sleep entrainment was disrupted briefly but quickly resumed as shown by the 4:30AM REM period. The participant had to empty his bladder again at 6:30AM and sleep entrainment resumed until the participant awoke at 8AM.

In summary, Somnius induces brainwave entrainment which leads to falling asleep faster, stay asleep longer and having an overall better night's sleep.

4. About Simply Clearing™

Clarius™ is Simply Clearing. While Clarius is simply clearing your personal space of harmful ElectroMagnetic Radiation you can stay focused and attentive without jittery causing caffeine or energy drinks, and without falling asleep in the middle of work. Concerns about reducing the harmful affects of man-made ElectroMagnetic Radiation (EMR) led the inventors of Clarius to discover how to interrupt EMR while restoring your internal biological rhythms using precise Bio-Pulses and the Scalar Waves discovered over a hundred years ago by Nikola Tesla.

Brainwave monitoring of study participants while working inside the Clarius produced energy field showed higher levels of alpha and theta waves that contributed to improved attention and focus and reduced stress as reported by the study participants.

Clarius produces pure harmonic frequencies to create focused Scalar Wave



Bio-Pulses. Clarius comes with SIX preset programs to improve your health and supports up to eight unique programs to meet a variety personal needs. The four programs included are Attentive Focus for more energy, Solfeggio Balancing to help keep you relaxed and productive, Body Blaster for improved health and Higher Consciousness to allow you to explore states of expanded awareness. Attentive Focus designed to promote higher brainwave functioning, increasing not only your

attention and focus at work or while studying, but also improving your energy levels. Solfeggio Balancing blends the ancient Solfeggio musical scale with Rife based healing frequencies to balance your internal energies and assist in staying centered and on task. Body Blaster features broad spectrum Rife frequencies for improving overall wellness and health. Higher Consciousness assists in expanding your awareness based upon the Out-Of-Body work of Robert Monroe, and is great for meditation and yoga practice (NuTesla is not affiliated with the Monroe Institute). Clarius is great for use in your automobile, too!

Clarius is simple to use, simple to understand and simple to acquire.

Clarius is Simply Clearing. (http://SimplyClearing.com)

5. About Simply Integrating™

Tesla Jewels™ are Simply Integrating, the non-pharmaceutical solution to Simply Integrating mind, body and spirit.

The French philosopher de Chardin explained, "We are not human beings having a spiritual experience. We are spiritual beings having a human experience." Feeling disconnected can result from our spirit, or light body, not being fully integrated with our physical self.



Children with ASD can shun physical contact or anything that stimulates the senses, because their purer spirits do not want to be contaminated by the lower frequency energies of the physical body.

Tesla Jewels can bridge the gap and assist in this integration by creating energies that blend the higher ethereal self with clean energies resonating with the lower physical self.

Tesla Jewels is a compact instrument that emits all four elemental primary colors (Red, Green, Blue and Yellow) integrated inline with NuTesla's Bio-Pulse emitters harmoniously resonating at Rife, Solfeggio and other unique therapeutic frequencies. By blending the higher wavelengths of near coherent light emitters with lower audible range therapeutic frequencies, Tesla Jewels bridge the higher ethereal and lower physical energies. Scalar-PHI Zero-Point energies are emitted to bathe the entire space. Tesla Jewels can be used in any room and even as a night light. Their unique blending of energies encourages Circadian based entrainment and improves focus and attention while expanding the internal connections between body and spirit. They are perfect for use by both adults and children of all ages and may be used work and play areas.

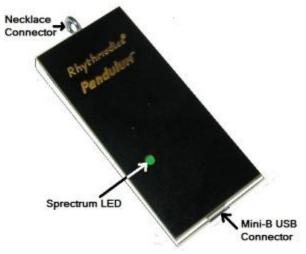
Tesla Jewels are simple to use, simple to understand and simple to acquire.

Tesla Jewels are Simply Integrating. (http://SimplyIntegrating.com)

6. About Simply Tuning™

Rhythmedics Pendulum[™] by NuTesla represents the most advanced, wearable wellness instrument for continuous circadian pacing and interruption of unwanted electromagnetic radiation (EMR). An eco-friendly

rechargeable battery operates Pendulum for several days and nights Pendulum between charging. Bio-Pulses: Fibonacci generates number derived frequencies delivered in ultradian sequences. Pendulum is self-learning and adjusts to you and your lifestyle automatically through its internal position and motion sensor. Multiple preset programs are dynamically adjusted and activated day and night.



Pendulum is in a compact 2" by 1" by ½" enclosure powered by a long-life rechargeable NiMH power-cell and recharged via the internal USB connector. Pendulum creates a personal energy field of attention focusing and relaxing energy that changes based upon you. Pendulum Plus features two different 90 minute meditation programs and a Rife Frequencies Wellness Preset.

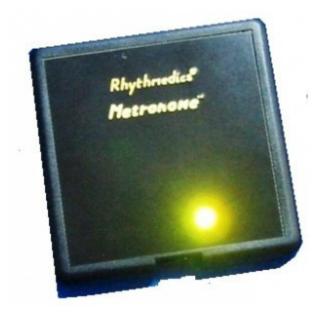
All NuTesla Instruments feature Rhythmedics® patented Scalar-PHI Rife Frequency Bio-Pulses™ which are comprised of precise alternating polarity electromagnetic square waves following natural Circadian Rhythm patterns derived from a Fibonacci fundamental frequency quartz crystal. Pendulum include Critical Flicker Fusion (CFF) measurement to gauge your personal wellness as well as a therapy program customized to your measured CFF Number. Frequency sliding transitions between Rife program steps support harmonic resonances for an even broader spectrum of healthy energies. Designed and built in the USA with the highest quality materials, including heavy gold plating for all component contacts and integrated Sacred geometry using gold embedded in the Bio-Pulses pathway, all instruments come with a one year limited warranty and 30 day money-back guarantee.

Pendulum is simple to use, simple to understand and simple to acquire.

Pendulum is Simply Keeping Time. (http://SimplyKeepingTime.com)

7. About Simply Keeping Time™

Rhythmedics Metronome™ is the most advanced pocket-sized Scalar-PHI



Bio-Pulse therapy instrument available. The Personal Version includes four broad-spectrum therapeutic programs designed to address the most common complaints easilv and can upgraded with NuTesla's USB Flash-Drive Update feature on a Windows or Linux PC. The Professional version includes EIGHT preset programs with Critical Flicker Fusion Wellness testing and EMR Detector. Using higher frequencies and greater Bio-Pulse energies, Metronome delivers amazing Rife based therapeutic relief quickly to any area of the body. It can operate for days on a single

overnight charge via a USB power port. Metronome uses Rhythmedics patented Bio-Pulses derived from its Fibonacci Frequency Quartz Crystal to quickly address the most stubborn symptoms.

Metronome is designed to be used in mobile application and can be carried in your pocket or purse. When in use it should be placed in close proximity to, or directly on, the body. Metronome's 4 Volt NiMH power-cell is recharged using a standard USB to Mini-B cable, and a single overnight charge provide 20 hours of service. A Spectrum Light Emitting Diode (SLED) on the top of the instrument and two dome pushbutton switches on the back labeled START and SELECT are used to start and control Metronome. The SELECT button is used to change the running program to one of the other programs. Metronome always 'remembers' the last running program and restarts that program whenever started. Metronome feature the same Fibonacci quartz Crystal integrated in Rhythmedics instruments and support Wellness Number measurement, reporting and operation, also called Critical Flicker Fusion

Metronome's Preset Programs can be updated by the customer using a NuTesla's USB 2.0 flash-drive interface.

8. About Simply Purifying™

Pürius[™] is Simply Purifying the electricity that flows around you at home, at work or in the car. Pürius^{XV} is the eXtensible Version energy purifier so simple to operate because it can be used in any power line environment with access to a USB Type A receptacle. The size of a compact flash drive,



once inserted into a powered USB receptacle, Pürius^{XV} scans the electrical environment using spectrum technology to determine the best signaling format and carrier frequency and then transmits its patented signal over the host device's power lines. This unique signal contains ultradian formatted Rife, Solfeggio and supporting wellness, alertness and balancing frequencies.

Pürius^{XV} is built on Rhythmedics to help restore your internal timing using a Fibonacci Number Quartz Crystal. This latest Rhythmedics® wellness instrument from NuTesla can be used in the home, your vehicle and at the office. NuTesla is testing a small rechargeable host receptacle allowing Pürius^{XV} to be carried on you personally.

We are energy beings. Every biological process is accomplished or facilitated by the movement of charged particles called ions and molecular ions. Electricity can be used for both healthy and unhealthy purposes and we now live in a sea of ElectroMagnetic Radiation (EMR) emitted from the plethora of electronic and electrical devices and appliances surrounding us.

While avoidance of obviously high EMR emitters appears straightforward, avoidance of casual EMR emissions presents the greater challenge, until Pürius^{XV}. Pürius^{XV} mitigates the risks of unavoidable exposure to casual sources of EMR that occur in everyday living and working situations by using the same wiring to displace harmful EMR with healthful Bio-Pulses. Plug Pürius^{XV} into any powered USB Type A receptacle and the wiring of the USB device will now emit a field of healthy Fibonacci Number derived ultradian format frequencies. Pürius^{XV} is especially designed and well suited to be plugged into desktop and laptop computers as well as any USB power adapter for home or vehicular use. Pürius^{XV} uses a selection of very high frequency carriers in the range of 549,000 cycles per second (549 KHz) to 3,020 KHz. The carrier frequencies have been carefully selected to avoid conflicts with standard signaling protocols used in current electronic devices and will not cause interference with or prevent the normal operation of any device connected to Pürius^{XV}.

Pürius^{XV} is simple to use, simple to understand and simple to acquire. **Pürius^{XV} Simply Purifying.**http://SimplyPurifying.com

9. Millennius™ - NuTherapy® for the New Millennium

Millennius extends the capabilities of Rhythmedics by delivering its unique version of ultradian sequenced Bio-Pulses as Fibonacci resonant net-zero bio-currents delivered in a wide variety of modalities. Millennius is the next generation of the Rhythmedics platform adapted to specific applications and modalities to deliver NuTherapy wellness solutions.

NuTherapy is transcutaneous delivery of Millennius' Fibonacci resonant netzero bio-currents with far reaching applications in all healthcare settings, particularly intractable conditions.

James D. Honeycutt invented Millennius in response to personal and family health concerns. Discouraged by the failures and harmful side-effects of pharmaceuticals, he searched for affordable, safe and effective alternatives. Using his background in homeopathy, engineering and bio-technology he invented Rhythmedics, a new generation of scalar frequency stimulus therapy called NuTherapy®. (Nu is the Greek symbol for Frequency used in electronics) Rhythmedics blends naturally derived frequencies with electromagnetic energies to deliver Bio-Pulse Feedback in an ultradian format of Rife and other healthy resonant frequencies using patented scalar waves. Millennius is the latest Rhythmedics Instrument that delivers Bio-currents through direct contact with the skin. Using precise frequencies to stimulate the body, mind, and spirit Millennius opens energy pathways and discards harmful informational patterns allowing new healthy processes to restart your own natural healing.

The Millennius instrument has two contacts which are usually placed on the balls of the feet to stimulate the flow of informational energies present within all of us. The brain sends electrical impulses to control our muscles and nerve endings send electrical signals back to the brain in response to sensory stimulus. When an injury occurs the brain attempts to repair the damage. After some amount of time the brain stops expending energy on the repair and stops responding to signals from the injury. This is similar for disease and emotional injuries. Our brain will attempt to repair the damage, but after awhile returns to maintaining the health and growth of the rest of the body. Millennius' NuTherapy opens energy pathways to restart the healing process. Unlike traditional Electrical Stimulus devices (E-Stim) that simply pulse on and off, Millennius uses a broad spectrum of naturally healthy frequencies to clear informational pathways and reconnect the mind, body and soul.

Millennius is also used in energy bodywork where a trained practitioner directs the frequencies to problems areas in the body. The areas of the body in distress respond to the frequencies directed by the practitioner.

10. Introduction to Rhythmedics®

Rhythmedics® Circadian Rhythm based instruments are built on patented

vibrational energy transfer techniques. developed by EH Technologies, Inc. These developments were NuTesla Corp. spawned through years of research and testing of integrative wellness technologies in personal health concerns. response Rhythmedics is the next generation Naventus® EnergyWave products and provide multiple modes of vibrational homeopathic



therapy using well established Rife and Solfeggio frequencies simulating our body's Circadian Rhythms to increase comfort, promote natural sleep and improve overall wellness.

Circadian Rhythms are the results of our body's internal, or biological,



clocks regulating our vital processes. As we age our biological clocks slow down and the rhythmic wave forms as monitored by doctors and scientists tend to flatten. As a result we get less restorative sleep, less energy during periods, our metabolism slows making it harder to maintain a healthy weight thought processes and our sluggish. Rhythmedics vibrational

energies help to reestablish a more youthful and stable internal clock with its unique patented Bio-Pulses, which are precise, healthy, bipolar frequency pulses.

Rhythmedics vibrational energies are derived from a Fibonacci Quartz

Crystal. The Fibonacci sequence was discovered by Leonardo of Pisa, Italy who was the son of an Italian diplomat. He traveled throughout the Far East to expand his knowledge of higher mathematics around 1200 AD, and is credited with discovering this naturally occurring number series where the previous two numbers are added to create the next number in the sequence; e.g. 1, 2, 3, 5, 8, 13, 21, 34, and so on. This Fibonacci sequence can be seen throughout nature as in the



arrangements of seeds in a sunflower pod, the number of petals in flowers, or the spirals of a pine cone. This is also known as the Golden Sequence.

As the Fibonacci number sequence grows the ratio between two adjacent



values approaches the Divine Proportion known as Phi (pronounced fee) being the ratio of 1.618 to 1. The Divine Proportion also exists throughout nature. It can be seen in the increasing radii of the chambered nautilus and even in the proportions of the human body as illustrated by Leonardo da Vinci in the Vitruvian Man.

Quartz crystal frequency standards are used in communications and computers for their inherent stability and accuracy as a timing element.

When a small current is passed through a precisely cut quartz crystal it vibrates at a fixed frequency. Large cut and uncut quartz crystals are used by spiritual healers, shamans, and esoteric practitioners as a natural tool in healing. Rhythmedics beautifully blends nature and technology by using the healing energies and inherent stability of a quartz crystal vibrating at a Fibonacci frequency to generate natural Circadian Rhythms and higher healthy frequencies used in all Rhythmedics instruments. These natural vibrations are then delivered to the body though Bio-Pulses, a patented technique using Alternating



Polarity ElectroMagnetic Pulses timed to precisely deliver the exact amount of energy for a given situation. Additionally, some professional instruments

also provide infrared and near-infrared light waves.



All Rhythmedics products generate a protective barrier, aiding in the canceling of the harmful ElectroMagnetic Radiation effects emanating from the myriads of electronic devices surround us. The combination reestablishing the body's internal clock and harmful EMR makes Rhythmedics canceling products the most effective Bio-Pulse instruments available.

11. Circadian Rhythms

The True Rhythm of Life

All of us have internal clocks governing our sleep, our energy levels, our metabolism, our ability to stay focused and alert, and even basic cellular processes essential for life. They help get us going in the morning, slow us down at night and regulate the myriad of microcellular processes occurring right now in our bodies.

As we age our clocks slow down. Our energy drops, we sleep less, it's harder to stay focused and we become more susceptible to disease. Aging isn't the only problem. Manmade electromagnetic radiation (EMR) from radio waves to microwaves can interfere with our clock. Our internal clocks were designed to get reset each morning by waking to the rising sun. Unfortunately, that isn't the case for most of us. Instead manmade sounds and energy waves jolt us from our restless sleep. Then, throughout the day our bodies are bombarded with even more EMR from cell phones, laptops, PDAs, televisions, MP3 players, even our automobiles.

All these false signals from EMR confuse our internal clocks. The result is more stress, less patience, more difficulty staying awake, less restful sleep and more illness. We literally grow old too soon. And the more we try to fix it with energy drinks and caffeine makes the next slump even worse and disturb our sleep even more. A vicious cycle soon develops where a bad day follows a bad night, followed by another bad day and so on, until we hit the wall. It doesn't have to be this way anymore.

Dr. Franz Halberg coined the term "Circadian Rhythm" in the 1950's, as a result of his studies in what became Chronobiology. He found our bodies have a repeating cycle, a rhythm lasting about (circa) a day (dian). He measured these rhythms using the body's core temperature and levels of activity and referred to the shorter daily waking and sleeping cycles as Ultradian Rhythms. Sleep centers use EEGs (ElectroEncephaloGraphy) to record brainwave activity during our sleeping ultradian rhythms.

Just as we have multiple sleep cycles at night, we have multiple waking cycles during the day. We've all experienced those midmorning and midafternoon slumps. It's natural to have highs and lows during the day, just as it's natural to have multiple deep sleep periods, each followed by a dreaming period when we sleep. Our bodies need both the highs and lows. Deep sleep and daily lows allow our muscles and minds to relax and rebuild. Dream periods and daily highs get both our muscles and minds going and boost our creativity.

Dr. Halberg also discovered that the biological processes for producing essential proteins, which are the building blocks of our bodies, are only

produced at the start of each ultradian cycle. He proposed all medications include a 'time-stamp' as to when it should be taken to be most effective.

Dr. Halberg also discovered how other forms of electromagnetic radiation could affect and interfere with our biological clocks, impeding the body's ability to grow and heal. As wireless communications expand, as our lives become more entangled with personal electronics we carry with us, and as incandescent lamps give way to fluorescent bulbs, we surround ourselves with increasing amounts of EMR.

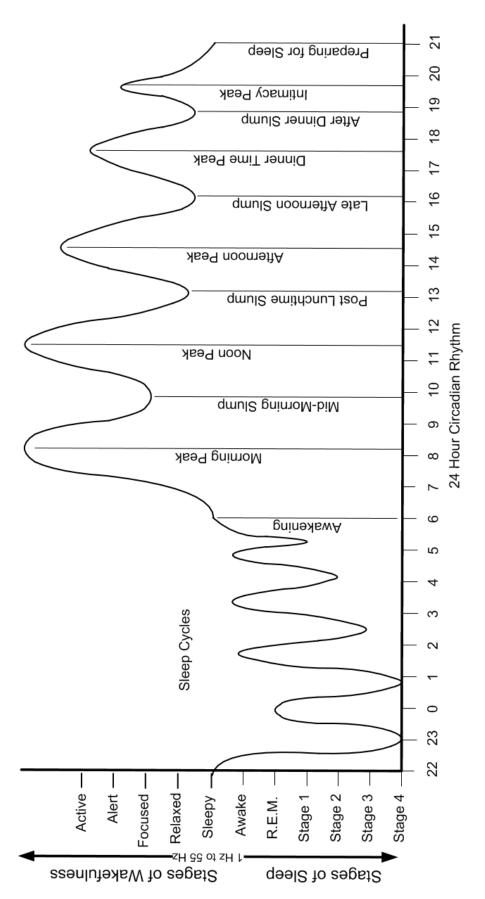
While the debate continues as to whether a cell phone may or may not cause cancer, its EMR can interfere with our internal clocks and prevent our bodies from producing the proteins necessary to fight off the naturally occurring aberrant cells that can develop into cancer. We need to keep our clocks running on time and prevent harmful EMR from interfering with them so our bodies can repair and grow.

The solution is Rhythmedics® by NuTesla. All Rhythmedics instruments use a Fibonacci Frequency Quartz Crystal and a miniature computer chip to generate precise "Bio-Pulses" which gently reestablish your body's natural rhythms throughout the day and night and interrupt harmful EMR. Bio-Pulses are patented pulses of short, alternate polarities of magnetic flux which resonate with your body's natural vibrations. Bio-Pulses are emitted in opposite directions, both into and away from your body. The pulses going away from your body interrupt potentially harmful EMR.

As we age our Ultradian Rhythms flattens out. Our highs and lows are clipped. We get less deep physically restorative sleep, less mentally creative dream sleep, and lower energy during the day. Rhythmedics helps restore a more active, healthy and youthful rhythm to your life. Your sleep is more restorative, your days are more energetic, and your mind is clearer and more attentive.

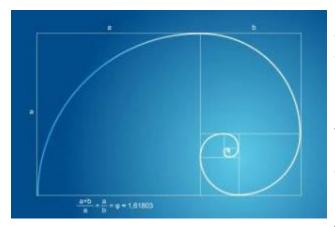
Rhythmedics is the result of hundreds of thousands of hours of research, testing and development, all towards the goal of creating a simple way to protect and help our body heal itself. Our bodies are the real miracles, able to heal and grow, overcome adversity, and adapt to almost any situation. The key is that our internal clocks need to run on-time without false signals to confuse it, so we can move through our days and nights naturally.

Rhythmedics instruments are not medical devices; they support the body in doing what it was designed to do, to heal itself.



12. Fibonacci and the Golden Ratio

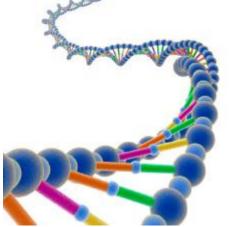
The heart of all Rhythmedics instruments is a precise frequency generator utilizing a quartz crystal vibrating at a Fibonacci number frequency. Fibonacci numbers were discovered by Leonardo of Pisa, Italy and are a number sequence where the previous two numbers are added to create the next number in the sequence; such as 1, 2, 3, 5, 8, 13, 21, 34, 55, 89 and so on. This number sequence can be seen throughout nature as in the arrangements of seed spirals in a sunflower and the number of petals in many flowers.



As the number sequence continues, the ratio between two adjacent values approaches the Divine Proportion, known as Phi (pronounced fee) being the ratio of 1.618 to 1. This ratio also exists throughout nature. It can be seen in the increasing radii of the chambered nautilus and even in the proportions of the human body as illustrated by Leonardo da Vinci in the Vitruvian Man.

More significantly both Fibonacci numbers and the Golden Ratio can be

found in the DNA of every cell in our bodies. Jean-Claude Perez discovered a DNA supracode controlling the self-organization of the nucleotides Thiamine, Cytosine, Adenine and Guanine (T,C,A,G), which make up the steps in the double helix ladder of DNA. He discovered if you consider 144 contiguous nucleotides it results from 55 T bases and 89 C A G bases, all Fibonacci numbers. These resonances extend to the ratios of the Atomic Weights of the Bio-Atoms of Carbon, Oxygen, Nitrogen and Hydrogen that create the nucleic



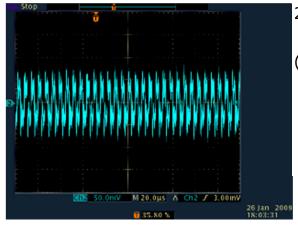
bases of T C A G, such that the ratios of atomic weights in strands considered to be 'junk DNA', that is DNA which could not be translated into genetic information or related to known protein synthesis, were equal to Phi, the Golden Ration of 1.618. Thus, even within the basic building blocks of our bodies Fibonacci sequences and Phi exists at a primal level. These and other personal insights led to understanding the fundamental frequency from which all subsequent therapeutic frequencies would be derived must be based upon a natural Fibonacci number.

13. Rhythmedics® Bio-Pulses Interrupt EMR

Rhythmedics is an active technology emitting Fibonacci based Bio-Pulses that actively interrupt harmful EMR. NuTesla acquired a new SRT-3 Q-Link and using NuTesla's state-of-the-art laboratory conducted a series of tests comparing the measurable and viewable affects of both the Q-Link and Bio-Pulses to disrupt EMR from three common household electrical products; A) 5.8 GHz Cordless Phone, B) 12 volt Plug-in Wall Transformer used to recharge electronic devices, and C) desktop fluorescent lamp's power supply. Three images are displayed for each electrical product tested. Image 1 shows the raw EMR source, image 2 shows the EMR with the Q-Link between the probe and source, and image 3 shows the EMR with Rhythmedics Bio-Pulses between the probe and source. In every case the Q-Link shows no affect on the EMR, whereas the Bio-Pulses clearly interrupt the EMR source.

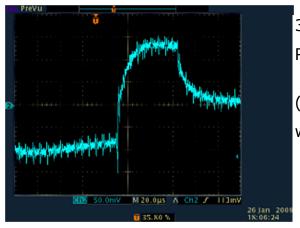


1A. Cordless Phone EMR, No Protection



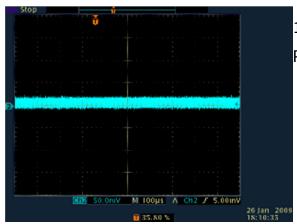
2A. Cordless Phone EMR with Q-Link

(No difference, no protection)

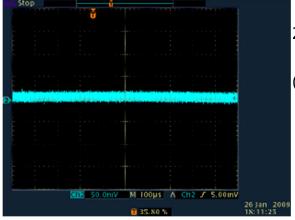


3A. Cordless Phone EMR protected with Rhythmedics

(Bio-Pulses disrupt the harmful EMR with healthy frequencies)



1B. Wall Transformer EMR, No Protection

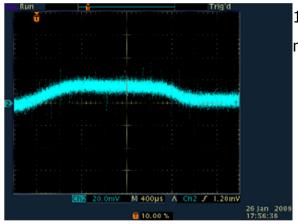


2B. Wall Transformer EMR with Q-Link

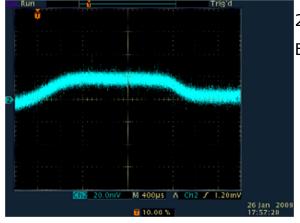
(No difference, no protection)



3B. Wall Transformer EMR protected with Rhythmedics

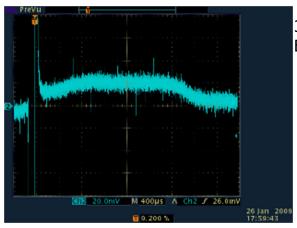


1C. Florescent Desk Power Supply EMR, no protection



2C. Florescent Desk Power Supply EMIRwith Q-Link

(No difference, no protection)



3C. Florescent Desk Power Supply EMR protected with Rhythmedics

Notes: All measurements were made with a Tektronix TDS 3034 Digital Phosphor Oscilloscope. A 10 milliHenry ferrite core inductor with a 10,000 ohm termination resistor was used as the probe. Measurements were made at a distance of 1 inch from the EMR source to eliminate ambient EMR sources. Once a raw EMR signal was captured on the digital oscilloscope, the SRT-3 Q-Link was inserted between the EMR source and the probe and the second image was captured. Then the Pendulum was placed between the EMR source and probe and the third image was captured. All settings for the Oscilloscope are displayed on its screen.

Conclusion

The images above clearly show the Q-Link makes no observable changes to the EMR from common household sources. Whereas the images clearly show the Rhythmedics Bio-Pulses interrupts the continuous EMR source with healthy frequencies, providing unsurpassed protection from these common harmful sources of EMR. This is critical as studies of EMR have shown it is necessary to disrupt the continuity of the EMR stream in order to prevent that aspect of it from adversely affecting the health of humans and animals. All Rhythmedics Instruments create Bio-Pulses that effectively interrupt harmful EMR as shown above.

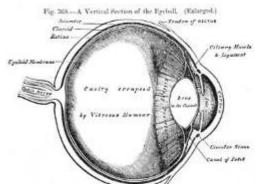
14. Critical Flicker Fusion Frequency

A New Tool in Wellness Assessment

The fusion frequency, or Critical Frequency of Flicker, abbreviated CFF, is that rate of successive light flashes at which flickering disappears and the light appears to be 'steady'. CFF is related to persistence of vision¹. This same persistence phenomenon allows us to see smooth transitions of still frames in a moving picture.

CFF studies on the physiology of vision can be traced back for over a hundred years. Only recently has CFF been applied to studies on physiological stress and medicine.

CFF is not the same for every observer. The fusion frequency is lower for a fatigued or anxious observer. Decrease in the critical fusion frequency has been used as an index



for central fatigue². Some medications, alcohol or drugs, as well as a depressed immune system, will also lower your CFF.

Consequently, knowing your subjective CFF can help you assess your personal Wellness Number. Recent studies indicate that knowing this number may as important knowing other common health indicators, such as your blood pressure or cholesterol levels.

While you cannot compare your Wellness Number to someone else's, once you have established your baseline number you can track your overall wellness. The higher your Wellness Number the healthier you are, the lower your number the more stressed and dis-eased you are.

All NuTesla instruments are able to measure and display your Wellness Number as a two digit number using a series of flashes. More importantly, after displaying the number each instrument will run a personalized therapy program using your Wellness Number as the base frequency. Since this is your body's unique frequency this personalized program reinforces your body's systems and prepares it for any subsequent program selected by the user.

In addition, NuTesla will also offer an instrument dedicated to measuring and displaying your CFF as a two digit number. By tracking this number you can track your wellness and even the effectiveness of Rhythmedics Bio-Pulses to improve your overall wellbeing.

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¹ http://psychology.wikia.com/wiki/Critical_flicker_fusion_threshold

² Earnst Simonson and Norbert Enzer, Measurement of fusion frequency of flicker as a test for fatigue of the central nervous system, J. Indus. Hyg. Tox. ,23, 1941, 83-89

Critical Flicker Frequency is often measured by having the observer view a rapidly flashing light which appears to be steadily lit. The frequency of the flashing is then slowed in small steps and the observer presses a button when he or she sees the light begin to flicker. This point is the Critical Flicker Frequency. This test is then reversed with the light source flickering at a lower frequency and then increasing in small steps until the light appears steady.

Cone cells are the color sensitive photoreceptor cells in the central region of the retina of the eye and function best in relatively bright light. The motionsensitive rod cells in the periphery of our retina have little, if any, role in color vision; however they are 100 times more sensitive to light³.

All NuTesla instruments include the ability to measure and report a users Wellness Assessment number or Critical Flicker.

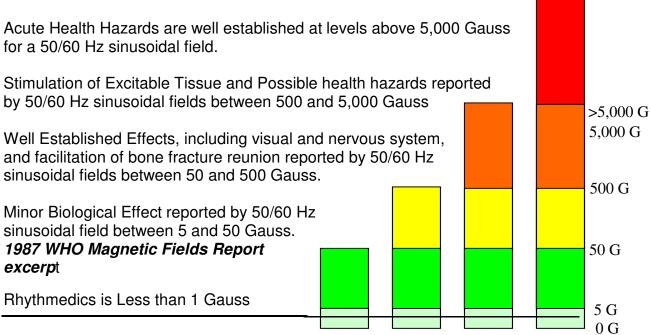
The red color for the display was chosen because the peripheral portion of the eye which has a high concentration of motion sensitive rod cells is essentially blind to the color red. This allows the central region cone cells to determine flicker fusion.

³ http://en.wikipedia.org/wiki/Rod_cell

15. Safety of Rhythmedics® Instruments

Rhythmedics® instruments are always safe when used as directed. They produce Extremely Low Frequency (below 3 KHz), Alternating Polarity Magnetic Bio-Pulses, and some have Infrared and Visible Light Emitting Diodes (LEDs). None of the instruments produce any ElectroMagnetic Radiation (EMR). All instruments have been tested to ensure their magnetic flux emission levels are well below the most conservative levels. NuTesla Corp. has also tested in vitro with Guidant® implantable cardiac pacers and defibrillators to verify non-interference. While there are no US federal safety standards for bio-magnetic instruments such as Rhythmedics there are studies which have established guidelines.

In 1987 the World Health Organization (WHO) completed a study titled "Environmental Health Criteria 69 – Magnetic Fields". WHO correlated intensity of the magnetic field to the frequency, yielding a frequency weighted dosage, and establishing 4 levels of exposure. A Gauss is the common measurement for magnetic fields. For reference, the earth's magnetic field, to which we are continuously exposed is approximately one-half of a Gauss, and is a static field. The WHO findings are summarized below:



As can be seen in the table above, when applying the frequency weighting criteria of the WHO study, Rhythmedics products are below the safest levels. In 1996 - 98 the University of Washington did further studies on electromagnetic fields, and added duration of exposure to intensity and frequency weighting used by WHO. The UW was concerned lower levels of exposure, over a long enough period of time, could become harmful. The UW report stated the lowest safe level for 60 Hz, pure sinusoidal waves of magnetic fields is 10 Gauss for 1 hour. Rhythmedics Bio-Pulses meet the UW standards and actually disrupt potentially dangerous EMR fields from other manmade sources.



US008088057B2

(12) United States Patent Honeycutt et al.

(10) Patent No.: US 8,088,057 B2 (45) Date of Patent: Jan. 3, 2012

(54) APPARATUS AND METHODS TO IMPROVE SLEEP, REDUCE PAIN AND PROMOTE NATURAL HEALING

- (76) Inventors: James David Honeycutt, Palm Desert, CA (US); John C. Honeycutt, Dallas,
 - TX (US)
- (*) Notice: Subject to any disclaimer, the term of this

patent is extended or adjusted under 35 U.S.C. 154(b) by 1708 days.

- (21) Appl. No.: 11/307,348
- (22) Filed: Feb. 1, 2006
- (65) Prior Publication Data

US 2006/0206174 A1 Sep. 14, 2006

Related U.S. Application Data

- (60) Provisional application No. 60/593,647, filed on Feb. 1, 2005.
- (51) Int. Cl.

A61N L/00 (2006.01)

- (52) U.S. Cl. 600/14; 600/27

(56) References Cited

U.S. PATENT DOCUMENTS

3,946,745 A	3/1976	Hsiang-Lai et al.
4,014,323 A	3/1977	Gilmer et al.
4,428,366 A	1/1984	Findl et al.
4,683,873 A	8:1987	Cadossi et al.
4,765,310 A	8/1988	Deagle et al.
4,889,526 A *	12/1989	Rauscher et al 600/14
4,915,110 A	4/1990	Kitov
4,918,418 A	4/1990	Tsala
4,993,413 A °	2/1991	McLeod et al 607/2
5,138,172 A	8/1992	Krop
5,156,587 A	10/1992	Montone
5,216,326 A	6/1993	Lundgren

5.441,495	A	8/1995	Liboff et al.	
5,441,528	Λ *	8/1995	Chang et al	607/69
5,450,859			Litevitz	
5,453,073				
			Anninos et al.	
			Chang et al.	
			Kuster et al.	
5,752,911				
6,051,959		4/2000	Tupper	322/78
6.108,580				
6,167,304				
6.235,251				
			Canedo et al.	
6,485,963			Goodwin et al.	
6,526,319	B2	2/2003	Kobayashi	
6,560,490			Grill et al.	
6.662,051	BI	12/2003	Eraker et al.	
6,663,556	B2	12/2003	Barker	
6,733,435	B2	5/2004	Canedo	
6.760,627	H2	7/2004	Carter et al.	
6,763,266	BI	7/2004	Kroll	
6.794,407	B2	9/2004	Lewy et al.	
6,845,270	B2	1/2005	Debrouse	
6,955,642		10/2005		
2003/0233124		12/2003		

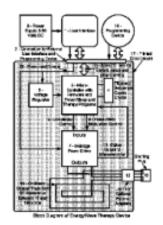
* cited by examiner

Primary Examiner — Charles A Marmor, II Assistant Examiner — Carrie R Doma

(57) ABSTRACT

This is a new invention, which is safer, simpler to use, less invasive into a user's daily routine and provides a lower cost solution to existing pulsed magnetic field and related vibrational electromagnetic therapy devices to improve sleep, encourage natural healing and reduce pain. This is accomplished through Multiple Simultaneous Extremely Low Frequency (MSELF) energy waves. The MSELF energy waves are derived from a quartz crystal with a fundamental frequency less than one-half of one percent from a natural Fibonacci Sequence Number. The apparatus utilizes firmware operating in a microcontroller emulating Circudian Rhythms. The microcontroller is also clocked by the Fibonacci Number Quartz Crystal. Additionally, the apparatus's unique application of an H-Bridge configuration power-driver with Pulse Width Modulation (PWM) capabilities supports a novel approach to supply two simultaneous therapeutic frequencies.

5 Claims, 28 Drawing Sheets





(12) United States Patent

Honeycutt et al.

(10) Patent No.:

US 8,167,784 B1

(45) Date of Patent:

May 1, 2012

(54) APPARATUS AND METHODS TO GENERATE CIRCADIAN RHYTHM BASED PULSED ELECTROMAGNETIC FIELDS USING MICRO-WATTS OF ELECTRICAL ENERGY

- (76) Inventors: James David Honeyeutt, Vancouver, WA (US); Vickie Lynn Honeycutt, Vancouver, WA (US)
- Subject to any disclaimer, the term of this (*) Notice: patent is extended or adjusted under 35 U.S.C. 154(b) by 1183 days.
- (21) Appl. No.: 11/949,717
- (22) Filed: Dec. 3, 2007
- (51) Int. Cl.

(2006.01)

.... 600/14; 600/26

- A61N 1/00 (52) U.S. Cl.
- (58) Field of Classification Search 600/9 15. 600/26-27

See application file for complete search history.

References Cited

U.S. PATENT DOCUMENTS

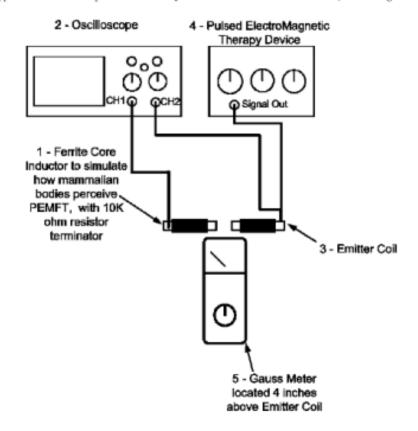
5,338,286 A *	8/1994	Abbott et al	600/14
5.441,528 A *	8/1995	Chang et al	607/69
6,051,959 A *	4/2000	Tupper	322/78
2006/0206174 A1*	9/2006	Honeycutt et al	607/88
9 cited by examiner			

Primary Examiner Charles A Marmor, II Assistant Examiner - Carrie R Dorna

ABSTRACT

This invention presents a new method to generate therapeutically superior Bipolar PEMFs while significantly reducing the overall power consumption allowing for the use of lowpower coin cell batteries; and presents a new frequency format to be followed for long-duration exposure PEMF Therapy devices. This is accomplished using a battery powered crystal clocked microcontroller and H-Bridge to pulse an electromagnetic inductor with a storage capacitor to generate a positive pulse followed by a shorter negative pulse, followed by some period of no current flowing generating frequencies in support of mammalian Circadian Rhythms.

2 Claims, 8 Drawing Sheets



Waveform Test Configuration



(19) United States

(12) Patent Application Publication (10) Pub. No.: US 2012/0053394 A1 Honeycutt

Mar. 1, 2012 (43) Pub. Date:

(54) APPARATUS AND METHODS TO IMPROVE SLEEP, REDUCE PAIN AND PROMOTE NATURAL HEALING

(76) Inventor: James David Honeycutt.

Washougal, WA (US)

(21) Appl. No.: 13/292,333

(22) Filed: Nov. 9, 2011

Related U.S. Application Data

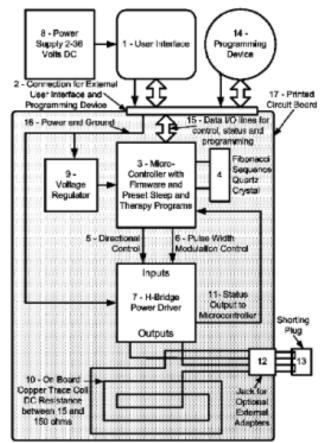
- (63) Continuation of application No. 11/307,348, filed on Feb. 1, 2006, now Pat. No. 8,088,057.
- (60) Provisional application No. 60/593,647, filed on Feb. 1, 2005.

Publication Classification

(51) Int. CL A61M 21/02 (2006.01) (52) U.S. CL 600/27

(57)ABSTRACT

This is a new invention, which is safer, simpler to use, less invasive into a user's daily routine and provides a lower cost solution to existing pulsed magnetic field and related vibrational electromagnetic therapy devices to improve sleep, encourage natural healing and reduce pain. This is accomplished through Multiple Simultaneous Extremely Low Frequency (MSELF) energy waves. The MSELF energy waves are derived from a quartz crystal with a fundamental frequency less than one-half of one percent from a natural Fibonacci Number. The apparatus utilizes firmware operating in a microcontroller emulating Circadian Rhythms. The microcontroller is also clocked by the Fibonacci Number Quartz Crystal. Additionally, the apparatus's unique application of an H-Bridge configuration power-driver with Pulse Width Modulation (PWM) capabilities supports a novel approach to supply two simultaneous therapeutic frequen-



Block Diagram of EnergyWave Therapy Device