



SPECIAL EDITION IN THIS ISSUE

THE TESLA COIL
a recharging station for humans?

TOTAL HEALTH
Toronto's got TESLAMANIA

THE SCIENCE INSIDE
The Healing Field

MEDICAL OZONE
the miracle molecule returns

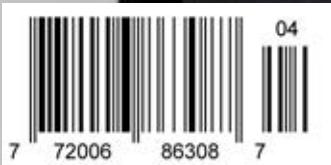
EDGAR CAYCE
channels the violet ray

FREQUENCIES
that harm and heal

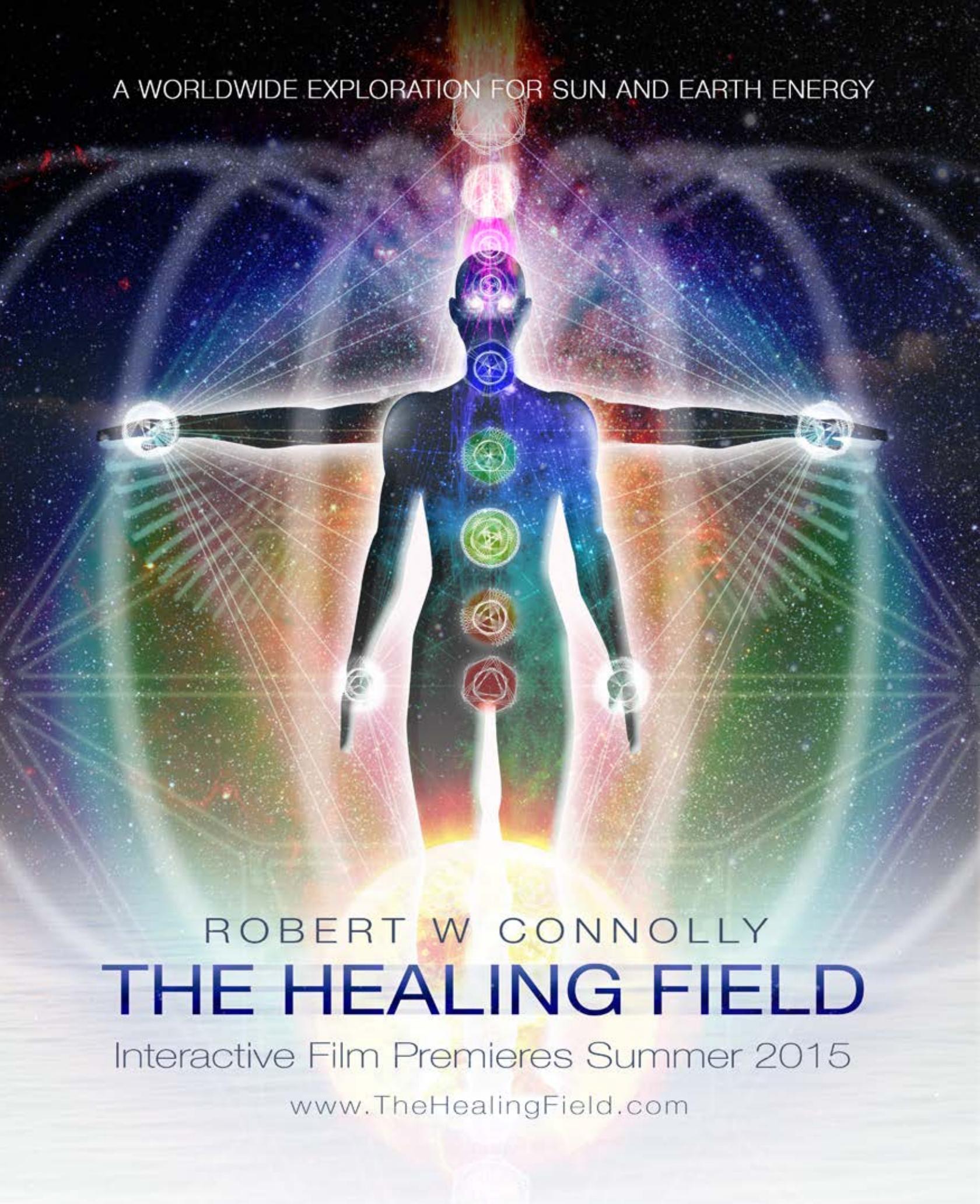
CRYSTALS
tune into the ambient medium

ALTERNATIVE ENERGY
using water as fuel for
cars and factories

\$6.95 DISPLAY UNTIL JULY 2015



A WORLDWIDE EXPLORATION FOR SUN AND EARTH ENERGY



ROBERT W CONNOLLY
THE HEALING FIELD

Interactive Film Premieres Summer 2015

www.TheHealingField.com



TOTAL HEALTH PRESENTS

TeslaMania

Tesla Technology For Health

Toronto Metro Convention Centre

April 17 - 19 - 2015

3 days of films, lectures, demonstrations, workshops and “TeslaTalks” dedicated to the life and inventions of Nikola Tesla.

Friday April 17 – Tesla’s High Frequency Current Devices

The Ozone Generator and The Violet Ray: 7 to 10 PM

We will present a Canadian award winning documentary called “OZONE – A Medical Breakthrough?” followed by short films and “Tesla Talks” from Dr. Magda Havas, Dr Fred Hui and several other leading experts in OZONE air pollution, water treatment and medical therapy.

Hosted by Robert Connolly. Free with admission

Sunday April 19 – Tesla Healing Devices

Frequency Therapy and the Future of Medicine 6 to 9 PM - \$50 Admission

Presented by the Havas Academy of Electromagnetic Health and Hygiene.

Dr Magda Havas hosts this indepth workshop to provide a detailed overview of both the harmful and healing effects of electromagnetic fields.

In this intensive workshop you will learn:

- the potential dangers of wireless devices
- the potential dangers of electricity
- methods to detect unwanted electromagnetic fields using Tesla meters
- how to eliminate EMF from your home

Discover new healing Tesla Technology that uses frequencies in sound, water, air, light and electromagnetic fields to treat a wide variety of conditions.

Note - for full appreciation of this workshop it is advised to attend the Friday and Saturday evening events to get an understanding of the basic fundamentals of Tesla's inventions.

Visit the TeslaMania Pavilion all weekend at booth 233

Saturday April 18 – The Return of Tesla Medicine

The Tesla coil and other Electromagnetic Healing Machines: 6 to 9 PM Workshop - \$30 Admission

Presented by Robert W Connolly - Director of “The Healing Field”

Using scenes from his documentary, The Healing Field, Connolly will present the life and inventions of Nikola Tesla’s most well known invention - The Tesla Coil. Discover the history of the latest frequency therapy machines that are now Health Canada approved.

Tesla Talks provided by Dr Magda Havas – Prof at Trent University, Silvia Binder – CEO of Ondamed, August Worley – Inventor of the Moog Voyager synthesizer and Anadi Martel – President of the Light Association – Musical performances by Robert’s Plant Band

EDITORIAL

TOTAL HEALTH SHOW FEATURES TESLAMANIA

Here at Tesla Magazine, we realize that the wireless world that Tesla created for us does have its challenges and has the potential to do serious harm if abused. Just as in Tesla's day, the corporations that took advantage of his inventions without heeding his warnings seem to have grown into a beast where little regard is held for human health while they exploit his technology in the name of profit once again.

If we are to survive as a civilization, we will need to heed these warnings and understand the practice of medicine that Tesla invented over 100 years ago, used on himself first and, only then, suggested we use it to counter the possible negative effects.

With that concept in mind, welcome to this special health edition of Tesla Magazine. Its release coincides with the appearance of TeslaMania is held at The 2015 Total Health Show that is located in the Toronto Convention Centre. For three evenings, April 17 to 19, our contributing journalists are the featured speakers and they are all providing presentations and workshops on Tesla's Health Technology.

Robert W Connolly, the producer of TeslaMania has assembled a cast of experts for both this issue and the live event that will hopefully introduce Tesla's brand of energy medicine to our readers and the many thousands of people who attend the annual event in Toronto every spring.

The trade show features a large TeslaMania exhibit area where visitors can learn all about Tesla and then try out the latest Tesla health technologies including Health Canada approved PEMF (pulsed electromagnetic field) therapy and ozone machines.

We know our readers have been asking for articles on free alternative energy so with that in mind check out our article on Xogen - Water as a fuel to power the world. It's a Canadian invention financed by the Canadian government.

Nenad Stankovic, publisher



For the past 3 years I have been traveling the globe to document the historical medical inventions of Nikola Tesla on video. The film is titled - The Healing Field and deals with electromagnetic field therapy.

One of my most memorable scenes was in the Tesla Museum in Belgrade where some pretty nifty working models of Tesla's High Frequency Apparatus was on display.

The museum curator would turn them on and demonstrate how the sparks they emitted were safe. One by one, the children would line up and reach out their hand close to the Tesla coil and get zapped. They would feel a tiny tingle and nothing else and left with a big smile on their face. "Cooooool" they said.

There was also a strange odor in the room. Ozone I was told, created by the corona discharge - the ultraviolet light of the spark. Ozone! Initially I was concerned that this can't be healthy and passing thousands of volts through these tiny children, how could they be so careless? Little did I know that this experience would be a turning point in my life.

When you set out to make a documentary, you have an idea of what you want to achieve. But, to be true to the art, you need to go with the flow and follow the signs that are presented to you along the way; keep an open mind and dig deep as an investigative journalist - to get to the truth.

During this research, I had come to realize that Tesla's name was erased from the text books because of his medical frequency machines - not his free energy ideas. This issue of Tesla Magazine is a short synopsis of what my film, "The Healing Field" is about.

TeslaMania is the The Healing Field Live!

Sign up for our workshops, attend the lectures and visit the TeslaMania Pavilion to experience the latest in Tesla medicine...

Robert W Connolly
Producer of TeslaMania, info@BobConnolly.com

CONTENTS

EDITORIAL	4
Total Health Show Features TeslaMania	
THE OZONE PARADOX	6
Magda Havas, BSc., PhD.	
THE TESLA OZONE COMPANY	19
Ian Clark	
TESLA AND THE QUEST FOR HEALING LIGHT	20
Anadi Martel	
ONDAMED'S FREQUENCY MACHINE	22
Silvia Binder, ND, PhD.	
PEMF - A TESLA RECHARGING STATION FOR HUMANS	24
Robert W Connolly	
THE INVENTION OF RADIO	30
Jason Quitt	
WATER AS A FUEL TO POWER THE WORLD	34
Robert W Connolly	
ELECTROMAGNETIC FIELDS - ARE THEY GOOD OR BAD FOR US?	38
Rob Metzinger	
ELECTRIFIED SCHOOLROOM TO BRIGHTEN DULL PUPILS	42
Reprint from the New York Times. August 18, 1912.	
TESLA NEWS	46



TESLA
magazine

Melysa Gorlicky recharges using the Centurion Tesla coil. More on our cover story on page 24.

Published by Tesla Magazine INC. Toronto

Publisher and Editor
Nenad Stankovic

Design Director
Jason Quitt

Layout
The Crystal Sun, Toronto

Photography
PDF Pictures
Wardenclyffe Project Archive

Consulting Director
Robert W Connolly

Marketing
Marcel Wolfe

Contributors:
Magda Havas, BSc., PhD. Robert W Connolly, Jason Quitt,
Anadi Martel, Silvia Binder, ND., PhD., Rob Metzinger

Web site www.teslamagazine.org
Facebook:
www.facebook.com/TeslaMagazine
ISSN 2291-9651
ISSN 2291-966X (Digital)

TESLA MAGAZINE is a member of Magazines Canada

The Ozone Paradox:

FROM AIR POLLUTANT TO MODERN DAY MEDICAL MIRACLE.



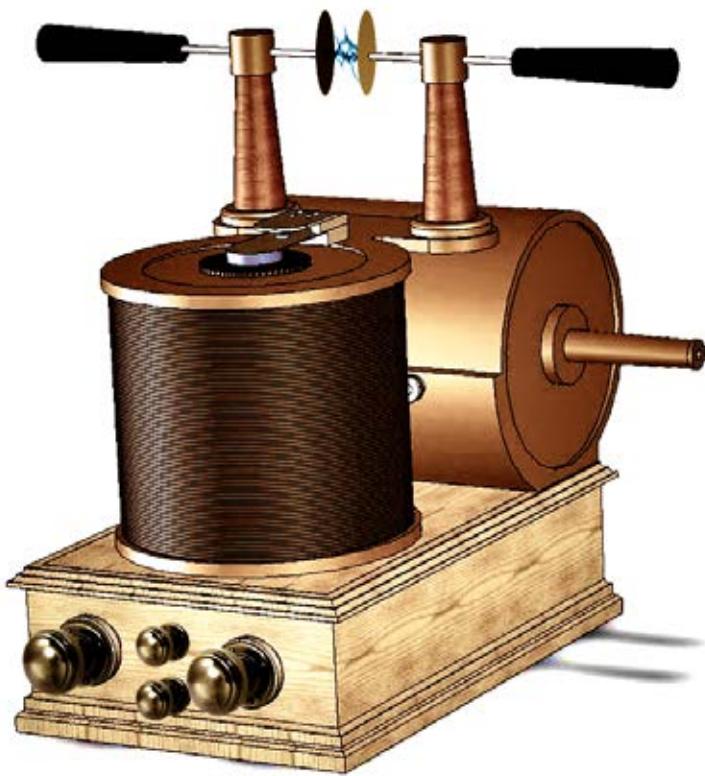
Magda Havas, B.Sc., Ph.D.,

When the editor of Tesla Magazine asked me to write a feature article about the history of ozone with an emphasis on Tesla's medical ozone machines, I assumed that it would be pretty straightforward. As a university professor and environmental scientist, I'm familiar with the earth's protective ozone layer, ozone as an air pollutant and the use of ozone to sterilize drinking water. I assumed gathering material about Tesla's patented ozone generators would provide me with additional historical material for my university classes and it seemed like a worthwhile venture.

Little did I know that I would open up Pandora's box and uncover a hidden world where one of Tesla's greatest medical inventions – **Tesla Patent 588177 Apparatus For Producing Ozone** – would dramatically alter my views on ozone and about those who regulate its use.

My greatest concern was figuring out a way to present this information to those who read *Tesla Magazine* and to the doctors and environmental scientists who should be reading it. How do I share this information that ozone has therapeutic effects with a community that is convinced (*just as I was*) that ozone is a toxic gas? Is this one of those paradigm shifts that Thomas Kuhn wrote about in his book, *The Structure of Scientific Revolutions*?

So, for this article I am going to present the information in first person outlining how I learned about the many faces of ozone and my personal discovery of Tesla's ozone generator.



The High Frequency Apparatus - Tesla's first ozone machine.

OZONE AS AN AIR POLLUTANT

When I was a student at the University of Toronto in the 1970s I took an *Applied Ecology* course and learned about the effects of chemical pollutants in the environment. I learned about photochemical smog, a form of air pollution that was common in Los Angeles and Mexico City and is now common in cities around the world.

Photochemical smog is a type of air pollution where the constituents are chemically transformed by light, which—in the case of ozone—is ultraviolet light that comes from the sun. Cars, with their internal combustion engines and gasoline exhaust, are one of the primary producers of photochemical smog. In the presence of sunlight, ozone and various forms of nitrogen oxides are produced along with poly-aromatic hydrocarbons. This mixture is toxic to plants and harmful to the respiratory system of animals, including humans.

Plants take up the ozone through their stomata (*small pores on the underside of leaves*) during the day when they are photosynthesizing (*converting sun light into chemical energy*). The ozone destroys the chlorophyll that is essential for photosynthesis resulting in chlorosis (*yellowing of leaves*) and necrosis (*browning of leaves and death of cells*) at higher levels or prolonged periods of exposure. Consumers find these blemishes undesirable and, if the ozone exposure persists, crop yield can be reduced resulting in financial losses for the farmer.

High concentrations of ozone will also irritate the sensitive cells lining the lungs and is particularly harmful to those who already have respiratory problems like bronchitis, emphysema, asthma or lung cancer.

Autopsies of the lungs of teenagers who were non-smokers and had died in traffic accidents in Los Angeles, one of the more air polluted cities in the world, showed that their lungs were severely damaged and resembled lungs of elderly smokers.

So, I was taught that ozone is an air pollutant that is harmful to plants, animals and humans with lung problems. This is textbook science. This is what I eventually taught in my university classes.



Picture: Photochemical smog in Los Angeles

STRATOSPHERIC OZONE AND UV PROTECTION

When I became a graduate student, I learned that the ozone layer surrounding the earth was thinning. “Save the Ozone Layer” activists were gaining the attention of the media. Chlorofluorocarbons (CFC), which were used as propellants in spray cans and as refrigerants in freezers, air conditioners and refrigerators, are chemically inert, are lighter than air, and float up to the stratosphere where they destroy the naturally occurring ozone layer.

This ozone layer protects life on earth by absorbing ultraviolet (UV) radiation. Solar UV radiation is essential for life and creates the needed vitamin D for our body but too much, can damage DNA and cause cancer.

Ozone in the stratosphere, miles above the earth’s surface, is beneficial for life on earth and needs to be protected.

OZONE AND UV DISINFECTION OF DRINKING WATER AND AIR

My PhD deals with water quality and over the years I have learned and taught about the various ways drinking water can be purified. One of the most promising methods is ozonation of the water supply. Not only does ozone kill on contact a large variety of microbes but it also destroys potentially toxic chemicals found in drinking water. Today more than 2000 municipalities around the world—among them Los Angeles, Montreal, Paris, and Moscow—use ozone to disinfect their drinking water supply.

The main problem with ozone is that it has a short life and the water can be re-contaminated between the source and the end use. End use UV lights, which generate ozone, can also be used to disinfect drinking water and are particularly effective if dissolved solids in the water are minimal. However, most municipalities prefer chlorine to disinfect water because chlorine has a lasting effect. Another problem is that ozone is highly reactive and cannot come into contact with material that is readily oxidized including metal pipes and certain types of plastics. Rust is one example of iron oxidation and oxidation of plastics will eventually denature the plastic and, in the process, contaminate the water supply.

Chlorine also has some unpleasant side effects. It produces trihalomethanes that are generated in the presence of dissolved organic matter and trihalomethanes are carcinogenic.

Just as water can be disinfected with either ozone or UV radiation, air can be purified with UV light since both the UV and the ozone generated act as disinfectants. UV lights are designed for use in homes, factories, science labs and hospitals to kill the dangerous pathogens including bacteria, molds and viruses.

So ozonating water and air kills microbes and destroys potentially toxic chemicals making water potable and air pathogen-free. This is a good use of ozone’s antimicrobial and oxidizing properties. This is textbook science and this is what I teach in school.

OZONE THERAPY

So far, all the examples of ozone (*except stratospheric ozone, which we don't come in direct contact with*) demonstrate that ozone is a strong oxidizing agent that kills microbes and, at high concentrations, is harmful to plants, animals and humans. So you can imagine how surprised I was to learn, after doing this research, that ozone can and is being used therapeutically!

Ozone has been vilified as an air pollutant but we now have evidence, according to two studies in the U.S., that ozone can have protective effects and that fine particulate matter may be much more harmful than gaseous ozone. In these studies ozone was found to slightly reduce the risk of death associated with cardiopulmonary disease (9), cardiovascular and ischemic (reduced blood supply) heart disease (10).

In another study with asthmatics, ozone administered systemically into the blood or via the rectum reduced inflammatory biomarkers and better modulated the immune system (11). Authors concluded that systemic ozone might play a therapeutic role in atopic (extrinsic) asthma.

We even have evidence from the prestigious journal Science that ozone inhibits the growth of human lung, breast and uterine cancer *in vitro* (12). Authors concluded that human cancer cells had difficulty protecting themselves against ozone and that ozone, alone or in combination with radiation and chemotherapy, may have therapeutic value for some cancers.

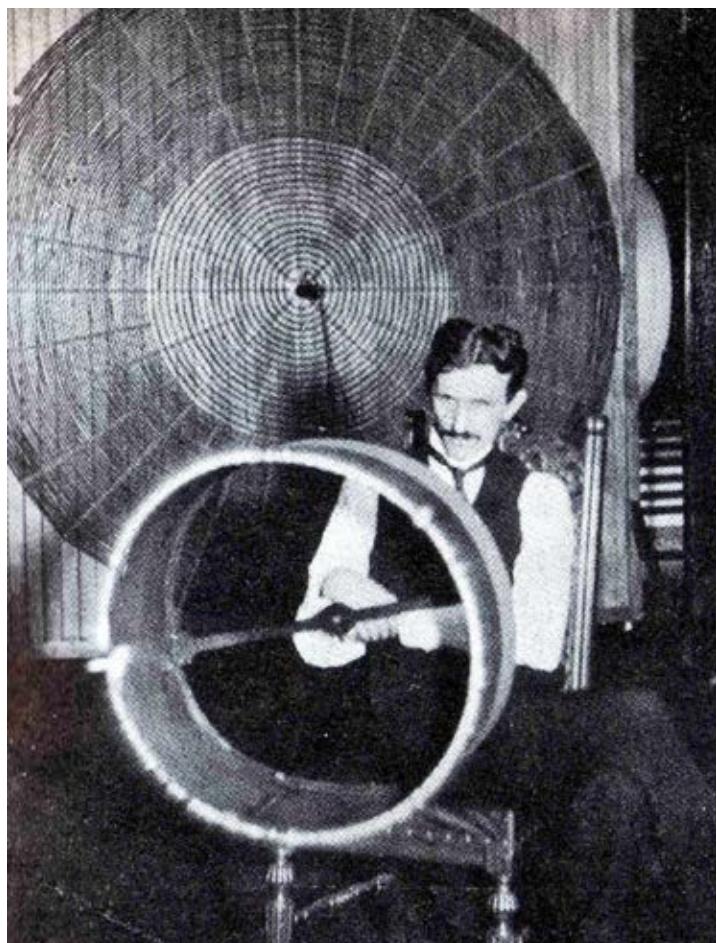
HISTORICAL USES OF OZONE THERAPY

For years I have been a fan of Nikola Tesla. Despite reading numerous books about this genius inventor, I didn't realize, until quite recently, that Tesla patented a device to produce ozone and opened the *Tesla Ozone Company*. Most documentaries about Tesla fail to mention his venture into medical inventions and leave a hole in his life story. Tesla avoided doctors and hospitals and lived to be 86 years of age when most people lived to be 60, so he was doing something right taking care of his health.

While experimenting with electricity, Tesla produced bolts of lightning using large Tesla coils. He noticed that the laboratory became filled with a strong smelling gas during these experiments. The UV light created by the bolt of electricity converted the oxygen in the air into ozone gas. Ozone consists of 3 atoms of oxygen held together like a ménage à trois. Ozone is produced naturally by lightning and the result is clean, fresh smelling, invigorating air.

Tesla also noticed that this ozone killed bacteria and mold in his working environment and he and his employees noticed an improvement in their physical and mental health. Tesla further experimented with these phenomena on himself and would literally charge his body with electricity. Reporters witnessed a blue corona discharge of sparks emanating from his body. Surprisingly, Tesla who spent a great deal of time sparking up his lab did not suffer from what we are currently teaching our students today—that breathing ANY amount of ozone is harmful. Tesla must have been breathing

“Ozone inhibits the growth of human lung, breast and uterine cancer *in vitro*.”



Tesla Coils sparking in his lab creating ozone

tremendous amounts ozone on a regular basis during the course of his ozone therapy and work with high frequency devices.

In September 1896, the electrical genius patented his first medical ozone generator, and in 1910 with \$400,000 in financing, he formed the *Tesla Ozone Company* to create a wide variety of devices including a portable ozone generator that could be used in doctors' clinics and hospitals. The ozone was created from the sparks formed by high frequency currents that were produced by his patented Tesla coil designs.

His patent explains the process.

The conductors of such secondary circuit are connected to two insulated conducting-plates and when the apparatus is in operation a discharge in the form of streams will be maintained between such plates. If air be forced between the plates during this discharge, the effectiveness of the apparatus is increased and ozone is generated in large quantities.

THE
FREQUENCY SALON
Experience the healing power of frequencies



OZONE STEAM SAUNA
PEMF SESSION
SOUND & LIGHT THERAPY

Beneficial for:
Skin conditions
Detoxification
Pain relief
Muscle relaxant
& Many more



Book a SAUNA & PEMF session today!

Visit www.FrequencySalon.com to find a location nearest to you.

Where can you get a quality ozone generator for \$550?

- All Ozone Compatible Parts
- Rated to last 10,000 hrs
- Adjustable Concentrations
- Perfect for Home Use
- Uses 110 or 220 V
- Small – about the size of a brick



Call us at 517-925-1064
ask for Micah or write info@simplyo3.com
www.SimplyO3.com
Need more information on Ozone?
Go to www.Drsozone.com

Simply O₃
Ozone Generators -
Simple, Dependable

So, Tesla is now using a motor to blow air over these conducting plates of sparks so that entire rooms can be filled with ozone.

Tesla then went on to recommended disinfecting entire hospital wards with ozone; directly breathing pure ozone through a vaporizer and he even manufactured and sold ozonated olive oil to doctors to promote healing.

These high frequency medical devices became incredibly successful and soon the world of high frequency electrotherapy, also known as ozone therapy, was in full force.

Eventually the public wanted their own version of Tesla's high frequency devices in their home, something that they could use every day just like Tesla did in his laboratory. This led to the creation of a hand held device called the *violet ray tube*. It was even advertised for home use in the Sears Catalogue during the 1920s and 30s. Tesla decided not to patent this device, which allowed manufacturers to service the public demand. Unsubstantiated advertising claims by over zealous sales staff eventually forced the FDA to remove these devices from the market in the 1940s and 1950s.

Instead of using two metal plates to create a spark, a glass rod filled with noble gases was inserted into a hand held Tesla coil that was energized with a high frequency current and then touched to the body. The spark jumped between the glass rod and the body and during this process ozone gas was produced on and under the skin. Some manufacturers designed models for doctors that included a mask to breath ozone gas directly.

The more I learned about the violet ray tube and how it was used (*on the skin, rectally, vaginally*) the more alarmed I became thinking this had to be a quack device. Ozone is harmful! I learned that 40 years ago and I teach it in my university courses. You wouldn't deliberately expose yourself to a toxic gas unless you wanted to damage your lungs or other body parts.

My research eventually led me to a treasure trove of information about how ozone therapy was still in use to this day. Why has it been administered for decades by skilled German physicians and promoted by credible scientists? Why were so many peer-reviewed publications documenting the beneficial effects of various forms of ozone therapy? Soon my alarm turned to curiosity. I wanted to understand how ozone could be therapeutic.

So, I purchased a violet ray device manufactured by the *Renulife Electric Company* that was originally based in Detroit Michigan.

Along with the device came the original "Physician's Directions for Renulife Treatments," written by Dr. Noble E. Eberhart, M.D., Ph.D., D.C.L. This device was intended for medical use and claimed to treat a variety of ailments, including - but not limited to - abscesses, acne, adhesions, alopecia (*falling hair*), anemia, asthma, anal fissures, baldness, blackheads, bunions, calluses or corns, boils, bronchitis, birth-marks, bladder disease, chapped hands, constipation, conjunctivitis, convalescence, dandruff, deafness, eczema, enlarged prostate, falling hair, frost bite, goiter, gout, gray hair, hemorrhoids, hoarseness, hay fever, hypertension, hypotension, headaches, heart disease, hemorrhoids, hives, insomnia, itching, infantile paralysis, influenza, indigestion, laryngitis, lumbago, lupus, menopause, moles, mumps, paralysis, poison ivy, post fracture conditions, post operative conditions, psoriasis, rectal diseases, rheumatism, ring worm, shingles, sinusitis, sore feet, sore throat, sprains, tonsillitis, tinnitus (*ringing in the ear*), uterine diseases, and warts.

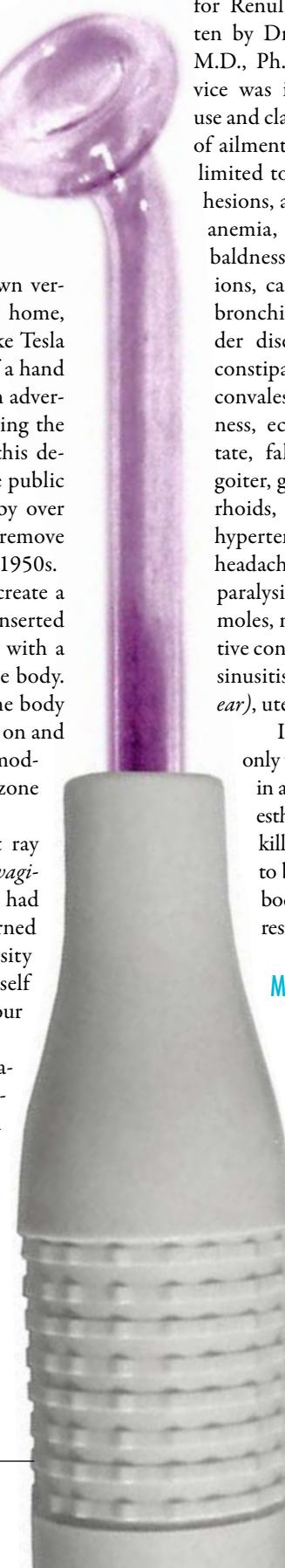
I tested the violet ray on my arthritic knee and the pain did go away only to return a few hours later. My friend used it on a skin tag and it fell off in a few hours. Today, modern versions of the violet ray tube are used by estheticians for facials and are particularly effective for acne since ozone kills bacteria. It's interesting to note that legally, these devices are licensed to be used only on the face and cannot be used on any other part of the body. I don't understand why it is safe for use on the face but not on the rest of the body!

MODERN MEDICAL OZONE GOES MAINSTREAM

To learn more about the current state of modern ozone therapy I attended a meeting of the American Academy of Ozonotherapy (AAO) in Dallas Texas in 2015. This meeting was organized by Frank Shallenger, M.D., H.M.D., who wrote *Bursting with Energy*, a book I highly recommend.

Before I present what I learned at that meeting, it's important to review why ozone is considered toxic for those who don't recall their high school chemistry and for those who didn't take chemistry.

Hand Held Violet Ray Wand



DID YOU KNOW



Edgar Cayce, 1943.

Edgar Cayce, the world's most famous psychic was also known as the Healing Prophet because of the medical remedies he spoke about while in a trance. Cayce recommended the ozone producing Violet Ray in over 900 readings for a wide variety of problems that required a stimulation to the nervous and circulatory systems. Cayce, in several readings encouraged people to inhale the distinct odor of ozone, stating that it would be beneficial.

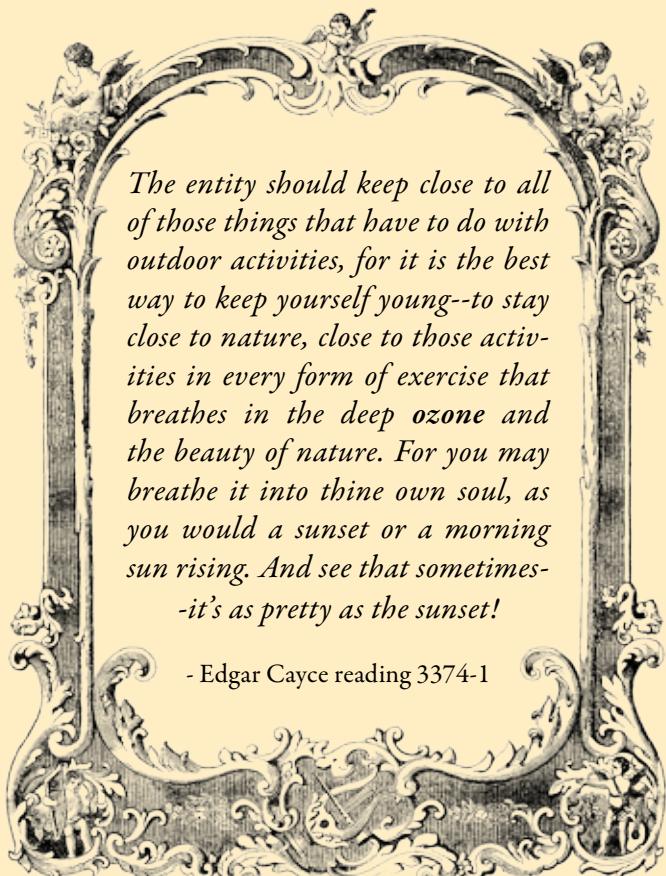
One fifty-seven-year-old man with poor circulation and suffering from a cold was told: “*We would add a very little of the electrical forces for the body, though, in the present. To do this will prevent the central nervous system batteries from running down. This should be used in the form of the violet ray—hand machine, bulb applicator...this not more than half to three-quarters of a minute just before retiring. It'll pick the body up!*” (2528-4)

Medicines and drugs were noted in this excerpt: “*Do not take medicinal properties while these [vibrations] are being applied, see? Either the osteopathic forces or the electrical treatments! Take no drugs.*” (4843-1) Alcohol is also to be avoided. “*Do not use in the system during the treatments...with the violet ray—for these are detrimental, and would burn tissue, with this in system.*” (5525-1)

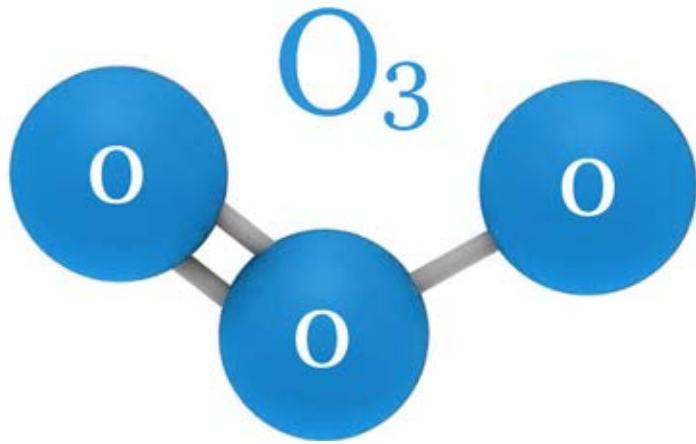
Several aspects of the violet ray noted in the readings include its strengthening effect on the body, enlivening the nervous system, “*cleansing the blood stream itself*” (2193-1), and consequently bringing the body into better balance. This balance was noted in a comment inserted in one reading: after regular use of the violet ray, Mrs. [2790]’s “*glandular swelling was reduced and [a] goiter did not develop.*” (2790-5)

In another reading Cayce seemed to equate electricity with the life force itself: “*Then...have a stimuli of the very low form of electrical forces, or added life as it were.*” (1678-1) These comments, almost inserted as an afterthought, have profound meaning, inviting further contemplation.

A final comment, referring to use of the violet ray, could well apply to any treatment: “*Do not make the application in a way, however, that it is just something to be gotten through with, or rid of, but do it with the intent and the expectation that it is to be a helpful experience for the body; and it will!*” (2415-2)



Doctors version of the Violet Ray included an Ozone Mask.



HOW DOES OZONE DESTROY CELLS AND PATHOGENS?

Ozone falls into a class of chemicals referred to as free radicals—atoms with unpaired electrons—that are produced naturally during biochemical reactions. A subset of free radicals is called reactive oxygen species (ROS) and ozone falls into this category. These chemicals are highly reactive and can alter the chemistry of molecules and organisms they come in contact with. Some are toxic to all living cells, while others are toxic to only the most vulnerable cells. Oxidative stress leads to degeneration at the cellular level and is what we do as we age, indeed aging is a form of cellular degeneration.

Environmental pollutants in air and water, pesticides, an inflammatory diet, inadequate nutrition, inadequate sleep, prescription medication, cigarettes, alcohol, ionizing and non-ionizing radiation also produce free radicals. Stress can increase our free radical load and can lead to serious degenerative conditions including cancer and cardiovascular disease.

Healthy cells can deal with this stress since they produce enzymes (glutathione peroxidase, super-oxide dismutase, catalase, and reductase) that protect them from oxidative stress, and there is much we can do to keep our cells healthy. But staying healthy, in an urban environment, is difficult when you consider that we drink chlorinated and fluoridated water; we eat processed genetically modified food—grown in nutrient-poor and pesticide-enriched soils; we breathe polluted air; and we are exposed to microwave radiation virtually everywhere. No wonder chronic illness is on the rise!

While healthy cells can deal with stress, the same is not true for bacteria and viruses. These organisms lack anti-oxidant enzymes in their cell membranes and are unable to protect themselves when they are exposed to ozone.

Ideally we want to minimize free radical damage within our body by promoting the production of anti-oxidants and, surprisingly, this is what ozone does if present at low enough levels to not irritate cells. So paradoxically ozone is both an oxidant (*as I learned in chemistry*) and an antioxidant (*as I learned recently*). So ozone can be both friend and foe.

HOW DOES OZONE PROMOTE HEALING?

The most succinct summary of how ozone works comes from “Ozone Therapy in Veterinary Practice” written by Margo Roman, DVM, CVA, COT, CPT From IVC Issue: V3I4. Here is what she has to say:

1. Decreasing inflammation. When you have inflammation, swelling, bruising, infection, cancer and trauma to the tissue, there are higher amounts of carbon dioxide within the tissue. This increase of carbon dioxide contributes to inflammation and pain. Increasing the amount of oxygen delivered to the tissue in the form of reactive ozone decreases inflammation, pain and swelling, and helps increase healing.
2. Activating the immune system. Ozone therapy has also been shown to activate the immune system by stimulating cytokine production. Cytokines are “messenger cells”, such as interferons and interleukins, which “set off a cascade reaction of positive changes throughout the immune system.” Ozone also promotes the production of glutathione peroxidase, catalase, reductase and super-oxide dismutase, the enzymes forming the cell wall coating; thereby enhancing cellular immunity.
3. Inactivating bacteria, viruses, fungi, yeast and protozoa. Healthy cells are surrounded by an enzyme coating, which ozone does not penetrate, but bacteria and viruses have no such coatings. Ozone therapy disrupts the integrity of the bacterial cell envelope through oxidation of the phospholipids and lipoproteins (peroxidation). In viruses, this peroxidation disrupts the reproductive cycle and damages the viral capsid. In fungi, ozone inhibits cell growth. Consider chronic otitis, which often has multiple organisms as primary or secondary invaders; this explains the efficacy of ozone treatment.

By the end of the AAO meeting I felt I had a much better grasp of the healing effects of ozone therapy. Here is what I learned at the meeting and after doing my research.

- Veterinarians, dentists and medical doctors around the world use ozone (*or some form of bio-oxidative therapy*) for both prevention and to treat a host of diseases. Ozone therapy is used as successful therapeutic modality in 19 countries (*Brazil, Britain, Bulgaria, Cuba, Czech Republic, Italy, France, Germany, Hungary, Israel, Japan, Mexico, Poland, Romania, Russia, Singapore, Yugoslavia*), four Canadian provinces, and 14 U.S. states (*Alaska, California, Colorado, Georgia, Florida, Minnesota, Nevada, New Mexico, New York, North Carolina, Texas, Ohio, Oklahoma, Washington*) (1).
- Ozone is anti-bacterial, anti-fungal, anti-viral and anti-parasitic. It kills microbes on contact, in part, by destroying their cell membrane. It is not possible for these microorganisms to adapt to ozone and thus become resistant. Ozone is much more powerful and faster working than chlorine as a disinfectant and doesn't produce any harmful byproducts. In this way ozone (*and other forms of oxidation therapy*

including hydrogen peroxide) can be used externally as a disinfectant and internally as an “antibiotic” to supplement or replace pharmaceutical antibiotics. Indeed, ozone can be used against antibiotic resistant superbugs like MRSA (Methicillin-resistant *Staphylococcus aureus*).

- Our immune system produces ozone to kill bacteria. Once a foreign invader is detected and the endogenous ozone (*produced by the body*) is released, our cells are stimulated to produce anti-oxidant enzymes that then neutralize the ozone and other free radicals. The same happens with ozone therapy (*exogenous ozone*). The body’s immune system is activated. So even though ozone is a ROS it stimulates the body to destroy ROS and thus acts like an oxidizing agent. Follow-up treatment with exogenous (*external to the body*) antioxidants (*vitamin C and E, minerals like selenium and zinc, and other supplements*) is recommended to support ozone therapy.
- Some ozone is converted into oxygen but most is converted into ozonides (molecules containing various number of oxygen atoms) in the blood and other body cavities (*vagina, rectum, ears, sinuses*) and improves blood flow and oxygen uptake throughout the body. The most effective method for system-wide distribution seems to be injection into the blood, followed by rectal insufflation. Other forms include drinking ozonated water, having an ozone steam bath/sauna, vaginal, aural and nasal insufflation, and taking or applying ozone in the form of ozonated oil.
- In 1929, Dr. Otto Warburg of the Kaiser Institute in Berlin declared that cancer was caused due to a lack of oxygen in the cells. Indeed, lack of cellular oxygen can cause all sorts of degenerative illnesses. Providing oxygen to a cancerous growth that prefers an anaerobic (*without oxygen*) environment can help fight the cancer by directly damaging cancer cells and by activating the body’s immune system. It can work in combination with surgery and both chemo and radiation therapy.
- There was some debate at the AAO meeting about whether ozone can be considered a medicine. According to Dr. Lamberto Re (3), ozone is not a medicine. Rather it is a conditioning agent that activates a signaling system that, in turn, helps the body to heal on its own.
- Combining ozone therapy with pulsed electromagnetic frequency therapy (*PEMF*) works synergistically by increasing circulation; reducing inflammation; increasing dissolved oxygen levels in red blood cells; increasing vasodilation (*widening of blood vessels*); reducing red blood cell aggregation; and thus making the blood a more effective and efficient distributor of oxygen to all cells in the body.
- In dentistry, ozone is used to kill pathogens, restore proper oxygen metabolism, produce a friendly ecological environment, stimulate circulation, and stimulate the immune and antioxidant system (4). Ozone contributes to rapid healing and replacement of lost enamel and dentin. Various ozone generators are used in dental practical in North America.
- Gaseous ozone can be injected directly into joints to accelerate joint repair; it can be injected into blood as direct intravenous

(*DIV*) and through a process by which blood is withdrawn, ozonated, and then returned to the body by intravenous drip. This later process is called major autohemotherapy (*MAH*). Medical grade oxygen is essential for this type of ozone therapy to prevent harmful nitrogen oxide byproducts that are produced when air is used to generate ozone. Gaseous ozone can be taken internally as a rectal, vaginal or aural insufflation; it can be applied topical if contained within a bag; and it can also be directly inhaled if bubbled through oil to reduce irritation of the lungs

- Ozonated water can be taken internally in the form of drinking water if the water is consumed within 10 to 20 minutes as the ozone will be converted into oxygen and the rest will dissipate into the air. Rectal and vaginal applications are effective and ozonated saunas are available although no research has been done. Ozone baths may be least effective due to the rapid dissipation of ozone in warm water. Kaqun water, a water that has oxygen clusters consisting of multiple oxygen atoms shows promise for baths and is used in health spas in Hungary and Italy.
- Ozonated oil can be used topically for ulcers, warts, herpes, cuts and abrasions, surgical sites, healing wounds, skin infections, pressure ulcers, nail infections, burns, and tissue cellulitis.
- Unlike prescription drugs, ozone therapy has no side effects. According to a 1978 FDA report, 1.5 million people were hospitalized due to pharmaceutical side effects and 140,000 deaths were attributed to prescription drug usage. A 1980 Report on Ozone Therapy by the German Medical Society documented 5.6 million ozone treatments with 40 reported cases of side effects (*less than 1 in 100,000*) and 4 reported deaths (*less than 1 in a million*).
- This year ozone therapy (*injections and drinking ozonated water*) has been successfully used to treat a few cases of Ebola virus in Sierra Leone (5). More research is needed to confirm this use of ozone.
- Ozone therapy has been used in veterinary medicine for more than 100 years. As with humans, ozone is potent and safe as an anti-cancer, anti-viral, anti-bacterial and anti-fungal agent. It is administered intravenously to large animals and rectally to small animals. It can be dissolved in an IV fluid or used topically as an ozonated ointment or in bags filled with ozone gas and applied to different body parts. Ozonated water or a weak solution of hydrogen peroxide can be injected into an udder with mastitis and applied to open sores. Ozone can also increase fertility of cattle as a postpartum intrauterine ozone flush. There is a website dedicated to vets at o3vets.com.
- In Germany, Eastern Europe, and Russia, it is common to find low dose ozone being used to purify the air in hospitals, factories, airports, slaughterhouses and other places where poor quality air is common. Sensors are placed throughout the facilities to monitor the amount of ozone that is entering the rooms making the ozonated air safe for humans to breath.

THE SUPPRESSION OF OZONE

Some of this information is NOT new. It has been available for decades so why are doctors not taught about this in medical schools?

According to papers presented at the Sixth World Ozone Conference held in Washington D.C. in 1982, ozone is effective ...

- at removing bacteria and viruses from blood;
- in decontaminating blood products infected with hepatitis, HIV, and syphilis;
- in treating peripheral vascular disease; cardiovascular and cerebrovascular disease, arteriosclerosis, and hypercholesterolemia;
- at restoring circulation and relieving angina pain and improving brain function;
- at eliminating cancerous tumors, lymphomas and leukemia;
- for treating all forms of rheumatoid and arthritis collagen disease;
- in treating allergies;
- at improving neurological diseases including senility, multiple sclerosis and Parkinson's disease;
- externally for treating burns, acne, leg ulcers, open cuts and wounds, eczema, fungal and other skin disorders;
- using rectal insufflation for proctitis, colitis, prostatitis and fissures;
- using vaginal insufflation for yeast infections like candidiasis and for vaginitis;
- using bladder insufflation for cystitis, bladder fistulas and cancer;
- in treating AIDS, herpes, hepatitis, mononucleosis and cirrhosis of the liver.

The icing on the cake is that ozone therapy is virtually painless, is cost-effective for both physicians and their patients, and has no harmful side effects.

WAYS OF ADMINISTRATING OZONE

The ozone can be applied as a gas, dissolved in liquid or dispersed in oil. For systemic application it can be injected into the blood (*vein or artery*) with and without additional light (*UV*) treatment; it can be applied as rectal insufflation or taken orally as ozonated water. Blood injections include both major and minor autohemotherapy (*AHT*) and direct intravenous (*DIV*), although this is the most contentious application.

For localized or topical treatment ozone can be applied in an ozonated sauna, as an ozone gas (*bagging part of the body, injection into joints*); as an ozone wash; or as ozonated oil. Olive oil is often used but good results can be obtained with linseed, evening primrose, sunflower and avocado oil according to Dr. Julian Holmes (7). Coconut oil can also be used but it has fewer sites that ozone can interact with and hence forms a lower percentage of ozonides than the other oils.

As part of my research I went to a health clinic that specializes in ozone therapy and had the following treatments: I drank ozonated water, had a 15-minute ozone steam sauna combined with vaginal insufflation, followed by a 20 minute PEMF treatment, and



HOCATT Ozone Sauna with PEMF

then 5-minutes of aural insufflation, I experienced a 50% reduction in my arthritic knee pain that lasted for three days post treatment; my sense of smell improved; and my lung capacity seems to have increased as I am able to take deeper breaths.

Two men that accompanied me had the same treatment (*minus the vaginal insufflation*). One had a Herxheimer reaction after the sauna and was nauseous and the other - who has problems with addiction to pain medication, cigarettes and alcohol - noticed that his pain disappeared, he had more energy, his brain fog lifted, his depression subsided, he temporary lost his craving for cigarettes and pain medication, and that he did not respond with a "buzz" to alcohol no matter how much he drank one day post treatment. While this is anecdotal information it may be worth testing the effectiveness of ozone therapy as a complementary therapy for different forms of addiction.

THE 64 MILLION DOLLAR QUESTION...

Why is Ozone Therapy not used more extensively in North America?

In order to understand why ozone therapy is used in Europe and virtually unheard of in North America, we need to review the twists and turns in our recent medical history.

In the early 1900s the practice of medicine was similar in Europe and North America. Doctors used holistic techniques to treat their patients that included a variety of remedies such as herbs, homeopathy, essential oils, diet, purges, colonics, saunas, physical manipulations, electromagnetic frequencies, sanatoriums with their sun and mineral baths, light and colour therapy as well as drugs and surgery. Three separate—but related—events

AGING

Prevents degenerate diseases
Prevents premature aging

ATHLETICS

Accelerates athletic healing
Boosts energy
Builds muscle
Eliminates lactic acid
Speeds athletic recovery

CARDIOVASCULAR

Acts as blood booster
Decomposes plaque
Improves circulation
Improves heart function
Oxygenates hemoglobin
Prevents cardiac arrhythmias
Prevents gangrene
Prevents irregular heartbeat
Prevents peripheral vascular disease
Prevents sudden heart attack
Protects against stroke
Purifies blood
Relieves angina

DIGESTION/ELIMINATION

Improves digestion
Neutralizes stomach acid
Prevents gastro intestinal disorders
Prevents constipation

ENERGY

Boosts vitality
Cell energizer
Combats chronic fatigue syndrome
Increases cellular vitality
Overcomes weakness
Speeds healing
Speeds recovery

IMMUNE SYSTEM

Cleans mucus
Destroys harmful microorganisms
Enhances immune system
Fights bronchial problems
Fights flu
Fights herpes
Fights infection
Fights parasitic infection
Immune enhancer
Kills bacteria
Kills bad colon bacteria
Kills Candida
Kills parasites
Kills viruses
Kills worms
Prevents and treats Ebola Virus
Prevents colds
Prevents/eradicates allergies
Prevents Lyme Disease
Strengthens immune system

METABOLISM

Balances acid/alkaline
Breaks up cholesterol
Burns fat
Burns off excess sugar
Help supplements work better
Ignites carbohydrates
Improves amino acid utilization
Improves mineral absorption
Improves vitamin uptake
Speeds up faulty metabolism

NEUROLOGICAL

Calms nerves
Clears brain fog
Combats depression
Corrects dizziness
Corrects memory loss
Enhances mood

Heightens alertness

Improves brain function
Improves mental quickness
Improves mental stability
Neutralizes chronic hostility
Prevents Alzheimer's
Prevents Multiple Sclerosis
Prevents nerve related diseases
Prevents shingles

ORGANS/TISSUES

Cleanses liver
Detoxifies the lymph system
Fights emphysema
Oxygenates pancreas
Oxygenates spleen
Prevents asthma
Prevents fever blister
Purifies liver
Purifies skin

PAIN

Fights fibromyalgia
Prevents angina pain
Prevents cluster headaches
Relieves muscle aches

STRESS

Decreases stress
Releases tension

TOXINS

Clears out dirty fluids
Detoxifies every cell in the body
Disburses heavy metal toxicity
Neutralizes environmental toxins
Oxidizes morbific material
Oxidizes poisons
Prevents tumors
Stops cancer cells

VETERINARY

Treat animals

Bartiss (6) listed 100 benefits of ozone that are provided here.

redirected medical training in North America and resulted in the banning of many non-pharmaceutical therapies. These three events were the 1910 Flexner Report (2) and its impact on medical training in Canada and the United States; the discovery of miracle drugs like insulin and penicillin (1930s) which replaced alternative therapies in North America and complemented those same therapies in Europe; and the growth of the pharmaceutical industry with strong ties to the Food and Drug Administration (FDA) and to the American Medical Association (AMA).

These events significantly altered the face of medicine in North America. Some physicians became wedded to their prescription pad and were disciplined if they failed to prescribe their quota of drugs based on patient load. Today medical students receive at best one or two classes related to nutrition, environmental health, and preventative health care, and no classes related to alternative therapies such as ozone.

According to Pressman (1), "In 1933, the American Medical Association, headed up by Morris Fishbein, set out to eliminate all medical treatments that were competitive to drug therapy. The suppression of ozone therapy in the US began then, and continues to this day, except in ten US states, where doctors are protected by state laws."

The FDA began seizing generators in the 1940s. The FDA still considers ozone to be "a toxic gas with no known medical uses" and the fact that ozone has been used to effectively treat millions of patients in Europe is considered anecdotal rather than scientific. Funding for proper scientific studies is unavailable since ozone is a natural molecule and cannot be patented, so it is not a revenue generator of any importance. Indeed it competes favorably with prescription drugs and, as such, is viewed as a threat to big Pharma.

In contrast, European doctors accepted pharmaceutical interventions as a mistress (*rather than a wife*) to be applied when warranted but not as the only remedy in their medical arsenal. As a result, European doctors are able to practice alternative and complementary forms of medicine while their North American colleagues are discouraged in the use of these therapies, which are considered, at best, non-scientific and, at worst, quackery.

Most European countries have a social healthcare system and ozone is cost effective.

THE FUTURE OF OZONE THERAPY

Treating Antibiotic Resistant Bacteria

Ozone therapy seems to be making a come back and it could not have happened at a better time. Our misuse of antibiotics in animal husbandry and over prescribing it for humans has produced a growing number of antibiotic resistance bacteria that are now threatening our health and the health of livestock. Ozone can be used to treat these bacteria and, in some cases, has been shown to be more effective than antibiotics (*mastitis in dairy cows*). Superbugs are found

in hospitals and further complicate health care of those most vulnerable. Tesla's concept to fumigate hospitals with ozone is a good idea and is common practice in Russia and several other countries. Ozonation of municipal water supplies can also be expanded and providing ozonated water to livestock, may replace the use of low-level antibiotics that got us in this mess in the first place. Treating outbreaks like avian flu with ozone should also be considered. Simple ozone units for the home are now also readily available and this may replace the need for that first cup of morning caffeine.

TREATING PAIN

One of the most startling things that ozone does is to alleviate pain. A few strokes of the violet ray and my knee pain was gone. Many doctors at the American Academy of Ozonotherapy Therapy meeting were there to learn about how to inject ozone or prolozone directly into joints such as knees, hip and even the spine. The healing powers of ozone in these conditions seem to be immediate for people who suffer from chronic pain and may help those addicted to pain killers like OxyContin.

"Funding for proper scientific studies is unavailable since ozone is a natural molecule and cannot be patented, so it is not a revenue generator of any importance. Indeed it competes favorably with prescription drugs and, as such, is viewed as a threat to big Pharma."

used instead of less effective vaccines.

We have a growing population suffering from Lyme disease produced by the spirochete, *Borrelia burgdorferi*. Doctors believe that the infection is no longer restricted to direct contact with a tick and that it may be spread by contact with bodily fluids from an infected person. This chronic debilitating disease is difficult to treat. One protocol for Lyme treatment includes IV ozone, ozone sauna, IV silver, Kaqun water, herbs and pulsed electromagnetic fields (8). For this and the illness mentioned above, ozone has already been successful and thus provides hope for the future.

IMPROVING HEALTH CARE

Our health care system cannot survive with an increase in chronic illness, an aging population, and with children who have mental health and developmental problems like ADD, ADHD and autism. An inexpensive way to treat patients and to keep people healthy is desperately needed and ozone may be one of the answers to this looming health crisis.

Ozone properly produced at low concentrations—is safe, effective, and inexpensive. It can be administered in clinics and used in

the privacy of one's home. It can be used for preventive health care of people and animals (pets and livestock) and has been shown to be effective for a large number of illnesses, and it can be used in both developed and developing countries reducing medical costs markedly.

Once I understood the paradox of the ozone molecule, namely that it can be an oxidant and an anti-oxidant, and once I better understood the chemical reactions of ozone in contact with living cells it became perfectly clear why this gas, originally considered toxic, could be highly effective and safe, even when injected into the blood stream.

CONCLUSIONS

While ozone is a toxic gas that kills microbes, damages plants, and irritates lung tissue; at proper concentrations it has the ability to promote the immune system, to energize the body with oxygen, to support cardiovascular and cardio-cerebral health, kill on contact bacteria, viruses, fungi, and parasites with virtually no side effects. Ozone therapy is cost-effective and can be applied internally and externally in clinics under medical supervision or in the privacy of one's home. Both medical and veterinary doctors have used ozone therapy for a variety of ailments for over 100 years and a growing number of dentists have recognized the advantages of ozone therapy in their dental practices. Currently 19 countries use ozone therapy, as do several provinces and states in Canada and the U.S.

Those who understand the harmful effects of reactive oxygen species, like ozone, but not the beneficial effects have an incomplete understanding of this remarkable molecule, just as I had before I began research for this article. Incomplete information provided by traditional educational institutions about ozone makes the media and the public frightened of using it as a therapy.

Once the FDA and Health Canada lift bans on ozone therapy it will considerably reduce health care costs and the reliance on prescription drugs. Indeed that is one reason ozone therapy is labeled as quackery and banned in some countries. Those who are unwilling to lift this ban have an incomplete understanding of the dual and somewhat paradoxical nature of ozone chemistry (*just as I did*). They are also blind to the evidence of the effectiveness of ozone therapy and may have a vested interest in keeping Big Pharma big.

Ozone may be making a global revival but a word of caution. Since new therapies (and in this case returning therapies) require the approval of government and licensing agencies, it might be worth reminding your doctor of his or her rights according to the Helsinki Declaration.

KNOW YOUR RIGHTS

Canada and the United States are signatories to the World Health Organization's Declaration of Helsinki, which states:

"In the treatment of the sick person, the physician must be free to use a new diagnostic or therapeutic measure if, in his or her judgment, it offers hope of saving life, re-establishing health or alleviating suffering."

Any college or board of physicians or equivalent medical-licensing board that investigates or harasses a physician for using ozone therapy is in violation of the Helsinki Declaration.

Tesla's invention of alternating current has made our lives much easier and his ozone generator—if allowed to be used by the powers that be—may make our lives much healthier as well. For now it's up to you—the consumer—to take health care into your own hands. Do your research—as I did—and, if you are intrigued about the benefits,



Ozone treatment in water

cial effects of ozone, find a health care provider who is knowledgeable and experienced in this field.

Or better yet—show this copy of Tesla Magazine to your doctor. Remember, doctors were not taught about ozone therapy in medical school and they are likely to be resistant to this information because, like me, they were taught that ozone is toxic. I certainly had my reservations until I began to understand the ozone paradox.

Mahatma Gandhi, in his autobiography, described an interview with a reporter. Gandhi said,

"This is my opinion today. Tomorrow I may learn something new and may change my mind."

Our health care system is broken and needs help. However, to make true progress in any field requires curiosity, courage, and critical thinking by open-minded individuals who are prepared to unbiasedly evaluate credible studies that question what they may already know. As uncomfortable as this may be, it is the characteristic of a courageous scholar, an influential teacher, and a great leader ... someone like Nikola Tesla.

**Magda Havas, B.Sc., Ph.D.,
Environmental & Resource Studies,
Trent University, Peterborough, ON, K9J 7B8, CANADA
drmagdahavas@gmail.com, www.magdahavas.com**

Resources and References:

- (1) Pressman, S. 2010 The Story of Ozone, Sixth Edition, Plasmafire International, 74 pages.
- (2) Flexner, A. 1910. Medical Education in the United States and Canada. A Report to the Carnegie Foundation for the Advancement of Teaching by Abraham Flexner with an Introduction by Henry S. Pritchett, President of the Foundation. Merrymount Press, Boston. Bulletin Number 4, 364 pages.
- The following were presented at the AAO Meeting, Dallas Texas, February 19-23, 2015, http://www.oxygenhealingtherapies.com/American_Academy_Ozonotherapy_Conference.htm
- (3) Lamberto Re, L. Clinical approaches following international protocols of ozone administration.
- (4) Weiser, M. Ozone and Periodontal Disease. Why Consider Ozone Use?
- (5) Robins H.F. and R.J. Rowan. Ozone and Oxidation Therapies—For Ebola and a comparison of the Robins Method of DIV to the Rowan Method of MAH.
- (6) Bartiss, M.J. Introduction to Ozone Therapy: 101.
- (7) Holmes, J. Update on Infection, Wound, Cosmetic & Health Applications of Ozone; New Research, Products & Protocols.
- (8) Minkoff, D.I. Lyme Disease 2015.
- (9) Jerrett, M, RT Burnett, R Ma, et al. 2005. Spatial analysis of air pollution and mortality in Los Angeles. Epidemiology 16(6):727-736.
- (10) Jerrett, M, RT Burnett, CA Pope, et al. 2009. Long-term ozone exposure and mortality. N Engl J Med 360:1085-1095.
- (11) Rosales, FAH, JLC Fernandez, JT Figueras, et al. 2005. Ozone therapy effects on biomarkers and lung function in asthma. Archives of Medical Research: 36:549-554.
- (12) Sweet, F, M-S Kao, S-CD Lee, WL Hagar and WE Sweet. 1980. Ozone selectively inhibits growth of human cancer cells. Science 209: 931-933.

Turns tap water into a safe sanitizer and deodorizer

 Time Magazine Best Inventions of the Year



OZONIZED SANITARY SYSTEM 100% Chemical free

Ozone activated water is accepted by the FDA and USDA as a safe and effective way to decontaminate meat, poultry, seafood and produce. Washing with ordinary water does not do the job!

Neutralize pesticide residue and microbes on fruits and vegetables. Extend food shelf life by killing germs and bacteria that begin the decay process. Sanitize everyday items like sponges, dishcloths, small toys, pacifiers, nipples, can openers, kitchen gadgets, utensils and more.

The Tesla OZONE Company

Manufacturers of Tesla's Ozonized Olive Oil

Ian Clark

When Nikola Tesla first introduced his ozone generator to the healthcare community, many medical professionals took great offence to the technology fearing that they would be soon out of business. Some fear mongering doctors pointed out that their patients with lung conditions were seriously affected by the gas and had to leave the room to breath. Unfortunately this fear campaign carries on today with ozone air pollution activists. In reality the ozone gas was not harming them – it was healing them – just too quickly. People with disease of the lungs experience what is now called a “healing crisis.”

Tesla found a way to treat people with lung conditions by filtering the ozone through olive oil to make the gas easier to breath. Unlike water where the ozone dissipates within a few minutes, olive oil would capture and store the ozone for further use. The longer you filtered the ozone in the oil, the thicker the oil would get and eventually turn into a paste. Tesla sold ozonized olive oil to doctors for a wide variety of medical uses.

Ozonized oils are called O3 oils, and this fabulous technology has been successfully used by millions of people around the world since the early 1900’s. O3 oils were suppressed in North America until recently and now consumers are quickly discovering the incredible health giving power of O3 oils.

There are many types of O3 oils and their Potential Oxidative Index (POI) ranks them. The higher the POI, the better the absorption rate of ozone into the oil.

The term, ‘Potential Oxidative Index’ is a Paradox. Most people view oxidation as very unhealthy, but it is the exact opposite when it comes to O3! There are two sides of the coin when it comes to POI. When you talk about O3 oils and POI, you are talking about the Super Positive Side of the coin because O3 oils topically applied or ingested inside the body clear out all the debris you don’t want while giving your healthy cells an even healthier environment to thrive in. O3 oils allow your whole body, outside and inside, to glow with health by warring against those inflammatory stressors that would otherwise cause rapid aging, infection, disease, etc.

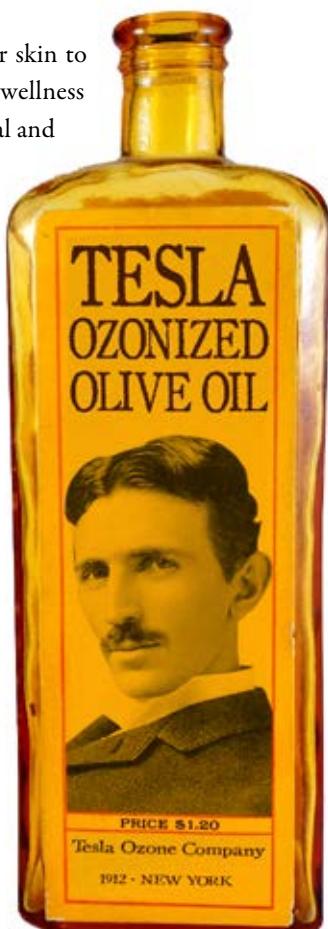
USES OF O3 OILS

As previously mentioned, it is highly therapeutic to inhale the filtered Ozone released from O3 oils. In the past, this method was used for tuberculosis and the elimination of many other lung diseases. Today, the focus is not only eliminating disease but rather to support a completely healthy body in which disease cannot exist. Inhaling O3 oils helps your entire body to be healthier!

It is highly therapeutic to apply O3 oils to your teeth and gums for dental health. Strong enamel, zero plaque, less cavities, healthy gums (gingivitis), elimination of root canal infections, healthy tooth/jaw bone relationship and a bright shining smile are all possible.

Smooth O3 oils on your skin to completely optimize your dermal wellness in all conditions. The anti bacterial and accelerated wound healing properties are astounding. Use O3 oil to treat rosacea, acne, eczema, psoriasis, black heads, wrinkles, cuticles, bacterial infections, bruises, cold sores, insect bites, shingles, dandruff, ring worms, carbuncles, bed sores, herpes, diaper rash, fistulas, hemorrhoids, fungus, abrasions, cut, scrapes, athletes foot, etc. In a few short days, your skin has the clear youthful glow you have always longed for!

Ian Clark is a wellness expert, public speaker and owner operator of Activation Products.
www.activationproducts.com



Tesla And The Quest For Healing Light



Tesla holding a bulb that is being illuminated by wireless high-frequency currents

Anadi Martel

When Tesla presented his famous lecture “Experiments With Alternating Currents of Very High Frequency” before the American Institute of Electrical Engineers in 1891, lighting a bulb similar to the one you see here just by holding it in his hand, he created a sensation that reverberated throughout the scientific world of the time. It was a time in many ways simpler and more open than ours, as far as the marvels of electromagnetism were concerned. It was only a few years earlier, in 1861, that James Clerk Maxwell published his now famous equations describing the detailed interactions of electricity and magnetism. How amazed Maxwell must have been when out of them came the clear description of unknown waves of alternating fields that could propagate indefinitely in space, at precisely the same speed as that of light measured for the first time a few years before by Fizeau and Foucault! Light itself was therefore an electromagnetic wave, of the same nature as all others in this vast spectrum which we now know spans more than 70 octaves, from radio waves up to super-energetic gamma rays. And it was barely 4 years since Heinrich Hertz’s 1887 generation of the first electromagnetic wave using a simple oscillator.

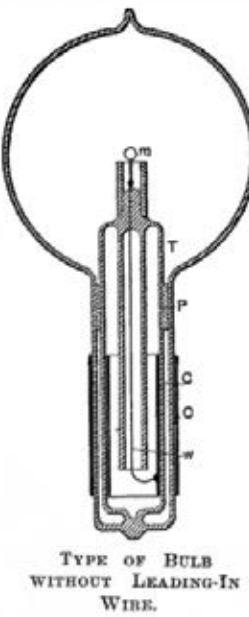
The field was still nearly virgin, with few preconceptions to encumber a genius probing mind such as Tesla’s, and no self-imposed limits as to what was possible. Today’s accepted scientific dogmas (*and there are plenty, notwithstanding belief to the contrary by the “scientifically-correct” well-thinking majority*) preclude even imagining many of the wilder ideas Tesla freely explored, such as his dream to solve “The Problem of Increasing Human Energy” by providing universal, freely-available, wireless power.

In his 1891 lecture, Tesla describes the practical use of oscillators operating at millions of cycles per second: how much has already been accomplished since Hertz’s basic discovery 4 years earlier. He in effect created this new domain of high-frequency electricity, and quickly realized that high-voltage, high-frequency fields had remarkable light-producing capabilities. By the time of his historic AIEE address, he had experimented with a wide variety of bulb configurations, gas mixtures, electrode compositions,... And he could light up his “bulb without leading-wire” just through electrostatic transfer from his hand, while being himself linked to a high-voltage wire.

Tesla always had a humanitarian side and explored many ways of using electric fields and light for healing purposes. He also never lost his sense of won-

der at the beauty of the natural phenomena he was uncovering, which can be felt in some of his descriptions such as this one: "...during the process of fusion magnificent light effects were noted, of which it would be difficult to give an adequate idea ... an intensely phosphorescent, sharply defined line ... is produced, which spreads slowly over the globe as the drop gets larger ... small bubbles and cavities are formed, which cause dark colored spots to sweep across the globe..." Obtaining such exquisite results of course required countless trial and errors, with experimental set-ups nearly impossible to reproduce outside of his lab. But it is an apt inspiration for creating new, "magnificent" health-inducing light sources using today's technology, which has guided my personal exploration leading to instruments such as the Sensora and the SensoSphere.

The link goes further: in the course of his quest to transmit wireless energy around the world, Tesla worked out that the Earth's atmosphere would have a global resonance field around 8Hz. It was not until 1952 that the physicist W.O. Schumann actually measured it, finding an average value of 7.83Hz. This universal resonance, which has permeated our world during life's evolution for billions of years and to which we are therefore finely attuned, produces particularly pleasant and harmonizing sensations when embedded in light sources, such as in the SensoSphere. Would Tesla have been surprised to see how far his ideas could reach and inspire future generations, in both great and small ways?



Anadi Martel - President, *Sensortech Inc.*
www.sensora.com & International Light Association
www.international-light-association.org



Ondamed's Frequency Machine

Silvia Binder, ND, PhD,

Growing up in Germany, my husband and I were exposed to a very different healthcare system than what is practiced in North America. When East and West Germany was reunified in 1990, a lot of former Soviet medical technology that was and still is banned in North America was incorporated into our German healthcare system. PEMF (pulsed electromagnetic field) therapy was one technology that the Russians had mastered and my husband and I found it to be fascinating - we embraced it. I used PEMF in my practice as a Natural Path and my husband worked for several medical electronic companies that used Tesla coils in PEMF medical applicators.

Tesla also invented radio and we learned that an American inventor named Royal Raymond Rife used Tesla's radio waves to destroy bacteria and viruses in 1938. Rife found the MOR - the Mortal Oscillating Rate of viruses by observing them under a special

microscope while exposing them to Tesla's radio waves. He learned, that there are resonant frequencies within the radio and audio spectrum that could destroy or devitalize bacteria and viruses. He could literally explode them like an opera singer does with a champagne glass. After a long battle with the AMA to bring his device to market, the FDA eventually banned the use of all radio wave frequency generators for medical purposes. The history of Rife's work became lost knowledge.

Since our German laws allow for the use of electromagnetic field therapy devices, my husband and I envisioned merging Soviet and American frequency therapy technologies: PEMF Tesla coils from the Soviet Union and Rife type frequency generators from the US. But in our case we use waves of energy to assess a patient and then apply energy as medicine. That idea gave birth to our company - Ondamed which means wave medicine in German.

We developed several Tesla coil applicators to apply a wide variety of electromagnetic frequencies within the audio spectrum to see how they would effect the human body. We have one Tesla coil that you place around the patient's neck and another hand held Tesla coil wand that you move over their body. We use a sophisticated frequency generator that supplies two frequencies simultaneously to create a pulsed electromagnetic field inside the collar and the wand.

While you raise the frequency, you hold the patient's wrist and wait for a specific frequency to have an effect - an irregular pulse from the autonomic nervous system. When it jumps, it signifies THAT particular frequency was suspect. You scan the whole body and record the areas that have suspect frequencies. This process is called Biofeedback. To treat the body, you then look up our Ondamed frequency list and apply counter frequencies

“frequency therapy is not something from a Star Trek science fiction franchise. It’s based on proven Tesla technology that is over 100 years old.”

to problem areas of the body - energy that the body needs to bring it back into homeostasis.

We have been in business in Germany for over 20 years, but since this process was deemed by western medicine to be “quackery”, we went through great pains and financial burdens to provide proof to governmental health licensing bodies and the medical communities throughout the world that Ondamed was safe and effective. We are pleased to announce that in 2011, Ondamed was accepted by Health Canada and is now registered as a medical device to provide therapy for pain management, muscle skeletal and blood circulation disorders. Doctors in Canada no longer fear being stigmatized as “quacks” for using the Ondamed system.

In addition to this, our determination to legalize the practice of Frequency Therapy by Health Canada has also opened the

doors for other frequency therapy device manufacturers to breath a sigh of relief that Canada is now open for their business. We want Ondamed to succeed and we also want other forms of frequency based medicine to do well here too. It’s time to move the world towards energy medicine.

Our immediate objective is to get the public to recognize that frequency therapy is not something from a Star Trek science fiction franchise. It’s based on proven Tesla technology that is over 100 years old. It’s no longer suppressed technology here in the west - the doctors and the public just don’t know a lot about it - yet.....

So here in Germany at Ondamed, we pay homage to Nikola Tesla for his Tesla coil, his invention of radio waves, and his belief that the body could be healed using frequencies.



Rolf Binder, ONDAMED Inventor and Founder



Woman receiving a treatment from the Ondamed system



**Silvia Binder, ND, PhD,
CEO of the Ondamed Companies**



Reading while treating himself with his patented Tesla coil

PEMF

PULSED ELECTROMAGNETIC FIELDS A TESLA RECHARGING STATION FOR HUMANS

Robert W Connolly

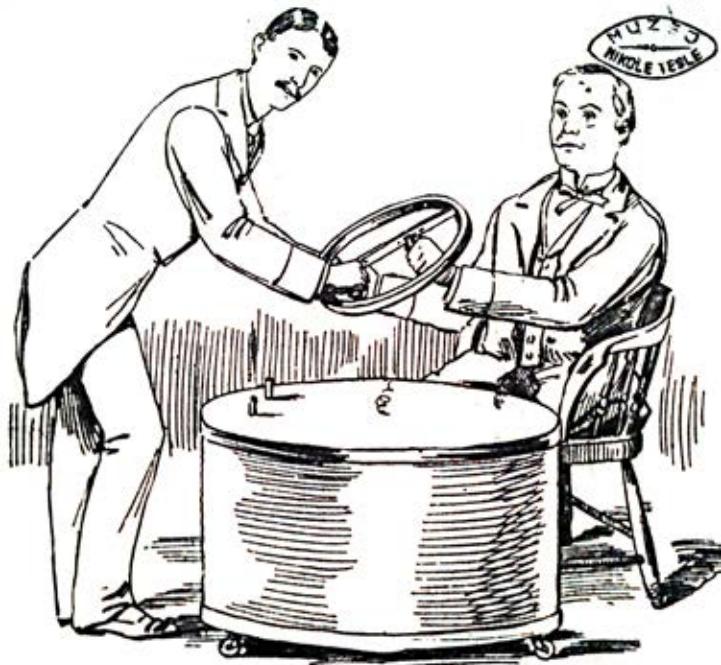
If you own a Tesla electric car, you are probably aware of every available charging station within a 400-kilometer radius of your home – and you have a large list of friends that won't mind you stopping by for a top up if you plan an extended journey. The Tesla car is named after Nikola Tesla not because it uses AC electricity to charge, it's because it utilizes Tesla's induction motor patents.

Tesla also believed that the human body could be recharged with electricity. The iconic picture of Tesla seated and reading in front of his patented spiral Tesla coil historically demonstrates that Tesla believed that electromagnetic fields could increase human energy. He literally bathed in electricity on a regular basis and considered it to be healthy and simulating. He lectured extensively on the subject to counter the negative publicity that Edison was creating to demonize Tesla's most well known invention-AC electricity.

Today these flat spiral coils are gaining popularity with alternative medical device manufacturers that have inserted them into mats so that patients can lie on top of them to receive magnetic field therapy treatments. Health Canada has just recently approved the iMRS, a device that uses the spiral Tesla coil to treat muscle skeletal disorders and blood circulation. Now hospitals, doctors and the general public are free to use a device sold via multilevel marketing that was once deemed as a quack device. It's a huge paradigm shift in Canada's healthcare system and a sign on the wall that states – We are not the United States or the FDA where electromagnetic therapy is still strictly regulated or prohibited.



Woman receiving a treatment on an iMRS PEMF System



Tesla treating a blind man using his hands and two coils in resonance

THE HISTORY OF TESLA MAGNETIC FIELD THERAPY

Most of our readers know that Tesla discovered AC – alternating current electricity. Few people know that a big part of this power distribution system required transformers to step up and down the voltage to transfer the power over large distances.

Transformers consist of coils of wire. The number of turns of the wires in each coil determines the voltages that are produced. The more turns the higher the voltage etc., so it was Tesla's job to figure that all out for us – and it was a painstaking job indeed.

He started with a round tubular coil design that was first invented by a German named Hermann von Helmholtz. Tesla became fixated on determining the right ratio of windings or turns of wire around the coil so that other nearby coils in his laboratory would resonate to transmit and receive power wirelessly. Huge bursts of electricity would jump from the coils and because of this he was nicknamed the master of lightning.

Tesla would also illuminate his laboratory using lights that had no wires. He would energize a Helmholtz coil and the lights would resonate and then light up.

The electrical engineers of the world recognized this painstaking process of determining the correct windings of the coils to transmit energy so Tesla's name is also given credit for the round tubular coil design. In school you learn about the Tesla coil and how it is used as a way to ignite a spark plug in a car. That's pretty much all the general population is taught about Tesla.

You are not taught that Tesla also used the Tesla coil as a medical device to treat himself and others in his laboratory.

AC ELECTRICITY AS A CURE FOR DISEASE

At the turn of the century Edison was demonizing Tesla's alternating current electricity in favor of DC so Tesla went on the defensive and demonstrated how electricity could be used in hospitals to cure patients of a wide range of illnesses.

When the country became electrified with Tesla's AC electricity, these round Tesla coils became very popular in private hospitals, clinics and even doctor's offices. One real estate baron, Gaylord Wilshire - who is most well known for Wilshire Boulevard in Hollywood - decided to make a version to sell to the general public. Wilshire felt that everyone should be able to experience Tesla's health technology in the comfort of his or her own home on a regular basis. With the widespread adoption of commercial electricity throughout the country, the devices would run on the 60 Hz alternating house current. Just plug in the coil directly to the wall, and place your body inside – it was that simple. But was it safe?

Wilshire also disliked the way the FDA was leading the country in the direction of paid medical services that consisted of drugs and unnecessary surgeries instead of Tesla's brand of electrotherapy so he ran for the socialist party in the US and in Canada to try to bring in free universal healthcare for all.



Robert W Connolly in his original Wilshire Home Coil

In the early 1930's, the American Medical Association, the FDA and lobbyists of the pharmaceutical industry gradually forced the doctors not to use the Tesla coil as a medical device – and if they refused they were labeled as quack doctors. The Tesla coil was now branded as a quack device.

While the United States moved away from Tesla's technology, the Soviet Union's social medical system whole-heartedly embraced it. The scientists improved upon it by altering the electrical impulses using signal generators. Instead of using the 50 or 60 Hz sine wave supply from the main power grid, the Soviets pulsed the magnetic fields and altered the shape of the waveform from sine to square waves. They also discovered that low frequencies around 10 Hz that resemble the natural earth's electromagnetic field were safer and more effective. Soon additional frequencies that operate within the human brain waves between 2 and 40 cycles per second were added. This is where we owe most of our credit to the development of PEMF – Pulsed Electro Magnetic Field Therapy – It's from the Russians.

With the fall of the Soviet Union in the 1980's, East Germany shared Tesla's technology with West Germany and this eventually brought back Tesla's lost electromagnetic field therapy to the western world.

The Germans have a good reputation for selling high quality medical devices to the world so they ventured out into North America looking for partners. They were met with heavy resistance in the US because of the still existing FDA ban on electromagnetic field therapy devices but found a home here in Canada that has a similar social healthcare system.

Health Canada approved the devices in the mid 1980's for use on patients for blood circulation and muscle skeletal disorders. But - without the help of medical universities to train the doctors – the devices remained relatively unknown. The Canadian pharmaceutical industry ensured that doctors remained ignorant that a legal alternative to drugs without side effects existed.



Horse wearing the Centurion Therapulse PEMF Blanket

CENTURION ENTERS THE MARKET

Since the medical laws in Canada differ from those in the States, you will find many “alternative” medical device manufacturers operating here. One of these manufacturing companies is owned by Wayne Kraushar who discovered the wonders of Tesla Technology many years ago. Wayne was a very successful sales manager in the machine industry and he foresaw a future where machines would be used at home to cure disease – just like Tesla foresaw over 100 years ago. In 1986, he started Centurion in Calgary Alberta to manufacture signal generators with a wide variety of medical applicators that used Tesla coils.

To determine the effectiveness of the product and to prove to healthcare professionals that PEMF is a viable alternative to surgery and drugs, Centurion did their due diligence and completed studies on the devices at the Mackenzie Hospital in Toronto.

Centurion PEMF technology was approved by Health Canada for use as a medical device but the provinces refused to pay for the services. Doctors could not bill the government for PEMF. “It’s legal to use – just don’t send us a bill.” Even though the studies conclusively proved the effectiveness of PEMF, Kraushar was met with great resistance when attempting to sell the devices into government medical institutions. It just did not fit their business model.

Centurion eventually found success in the horse racing industry and has become the leader in equestrian electromagnetic field therapy devices with offices and warehouses in Canada and the United States. All of their devices are made in Canada and they currently ship all over the world.

I asked Mr. Krushar why the horse industry embraced PEMF and was ignored by the doctors. He replied “They used to shoot horses if they broke a leg while running a race, now with Tesla’s technology using a coil of wire strapped to the cast on the horses leg, the bone grows swiftly back almost as good as new. Some horses return to racing while the others are sold for breeding.” He handed me a before and after picture of an x-ray of a horses leg that showed miraculous improvement after only one month of PEMF treatment to prove his claim.



Centurion EZY System with Controller

“Making claims is what gets you into trouble with Health Canada” he explains, “PEMF does a lot more than fix bones – it’s just that you can’t make a claim unless you pay for an expensive study on the effectiveness of your product for that condition.”

WHY DO THE MASSES NOT KNOW ABOUT THIS?

The truth of the matter is few medical universities or hospitals in Canada will even allow these studies to be conducted. Health Canada says it’s OK for doctors to use Tesla’s PEMF technology, but they can’t force them to use it. It’s really up to the public to take their healthcare into their own hands. Doctors are good but, if they are ignorant about advances in drugless technology it really is not doing the public justice.

But – there is this “thing” that has popped up in the past 10 years – it’s called the Internet and alternative medicine is making a big comeback. It’s quite simple now to type in a few words into a search engine and get a barrage of information about medical devices that are not offered at your local hospital. Case in point – that is where I discovered Centurion, while searching for information about PEMF.

And – I am not the only one. Wayne has informed me that he is now getting inundated with calls asking if his devices contained a TESLA COIL! The callers want to buy only machines that use a



Before and After PEMF treatment on broken knee

Centurion Teslatron with coil that moves on rails.



Centurion Tesla Coils and generators

Tesla Coil. He explained to me that in 20 years of being in business, he was never asked that question. Sales of his EZY PEMF system that are meant for home use on humans have exploded.

To me, it's obvious that the Internet has now promoted Tesla's name and inventions into cult status and there is a new generation of high tech digital researchers that have done their homework and have decided to take healthcare into their own hands. When patients visit their doctors they probably know more about their disease than they did 10 years ago because they have researched the symptoms on the Internet. The family doctor writes the prescription and sends the bill to the government.

But what happens if the pills don't work, or stops working – or worse - have dreadful side effects? What is the solution then? The answer is there is a growing part of the population that knows the politics of medicine—the politics that Wayne Kraushar experienced 20 years ago when he tried to get the doctors to pay attention to Tesla technology. This Internet tech savvy generation has learned that you are not taught about certain subjects in school that upset the corporations that finance the institutions. The true history of Nikola Tesla is not taught in schools.

The public has indeed turned to the Internet to get the medical "alternative" point of view and the current alternative medical view of PEMF is this: It worked well 100 years ago. Since there are no patents on Tesla technology it's hard for companies to exclusively own it. Each one adds its own flavors to try to entice the customer that they offer more or better features and you will need to pay for these extra features. In some cases this is true as you get what you pay for – but is it what you need and can afford?

The list is endless of what PEMF will treat. In general, it charges your cells so that they can function properly. Once the cell is working again it starts to fix broken things in your body – and it makes you happy while doing it. Did I just make a claim?

THE PROS AND CONS OF THE CENTURION COILS

Some users of the Centurion PEMF devices complain that the round coil is clunky and uncomfortable to use. You sit in a chair, instead of lying on a mat on your massage table or bed. But the savvy users know that the round coil provides a unique evenly dispersed electromagnetic field.

Let's go back to the reasons why Tesla's name was given to these coils – he was obsessed to find the correct resonance with the coils. The thickness or gauge of the wire, the amount of turns, the diameter of the coil all had significant effects upon the effect the coils would produce in his laboratory. Tesla was trying to find the correct resonance to transmit electricity from one coil to the other.

In this same way, the Centurion Tesla coil is designed to find resonance with the cells in your body so that every cell within the active pulsed magnetic field gets an even electrical stimulation.

Positioned inside the coil, your body now resembles the earth. The electromagnetic field flows in and out of the top and bottom naturally just like it does on the earth. You can adjust the frequencies from 2 to 30 Hz.

The large diameter of the wire of the windings allows for the coil to be safely energized creating a strong electromagnetic field without overheating.

The device is incredibly durable – manufacturing lessons learned from service calls to owners of horses and large dogs that step on or scratch these things. Centurion's strength is in a rent to purchase sales plan because they know that their devices, if returned, always come back in near perfect condition.

The Centurion Tesla coil design is the original coil used in hospitals and doctors offices well over 100 years ago. The impulse generator is modeled after Russian and German technology that is still used in their hospitals and homes.

And as far as being comfortable to lie on - Centurion makes the TeslaTron for hospitals and doctors offices. The Tesla coil glides smoothly on rails positioned below the bed.

ANALOGUE VS DIGITAL

Comparing the flat mat to the cylindrical coil is like comparing digital to analogue audio. Most people can't tell the difference – but musicians can feel the difference. They say analogue audio feels warmer – smoother. Tube amplifiers are coming back. Vinyl records are returning.

The Centurion is the only one left that uses the original cylinder Tesla coil and it's both Health Canada and CSA approved. Finally, it's made in Canada. If it breaks, it's easy to fix. They also have a good rent to purchase program so you can try it out before you buy.

CONCLUSION

Tesla treated himself with electromagnetic fields over 100 years ago and lived to be 86 years of age in a time when 60 was the average.

Thirty years ago when PEMF therapy was reintroduced into the US healthcare system, it was strictly controlled and only to be used for nonunion bone fractures. Two years ago it found favor with psychiatrists to treat depression.

Today PEMF is marketed as a safe wellness device that you use everyday in your home to boost your immune system, detox and assist recovery from an injury or illness. It has almost no side effects.

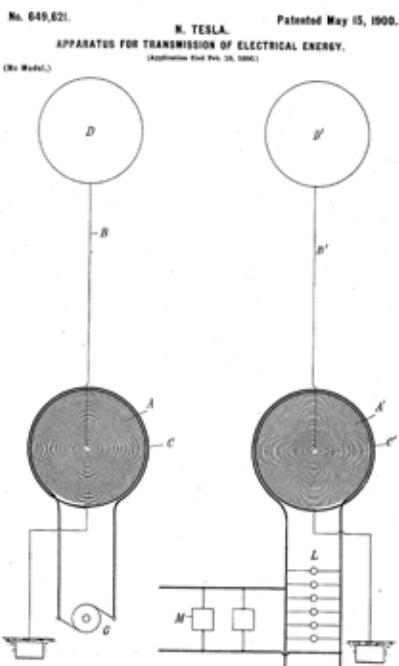
It's based on the natural energy fields of the Earth. It's a Tesla recharging station for humans.

Robert W Connolly is an author, film producer and digital journalist specializing in alternative energy medicine.
Bob can be reached at info@BobConnolly.com



THE INVENTION OF RADIO

WIRELESS ELECTRICITY VIA CRYSTALS



Tesla's Patent for Transmission of Electrical Energy, May 1900.

Jason Quitt

Tesla evangelists often point out that his vision of free, long distance transmission of power was usurped by industrialist JP Morgan and other power barons that wanted to charge for electricity. For the commercialization of electricity, wires would be needed. But - Tesla's wireless electricity patents are what ultimately gave Tesla the truly deserved credit as the inventor of radio. Marconi's radio patents were based upon Tesla's wireless electricity patents and few people know that Tesla invented wireless electricity to create radio too. It's just that Tesla was not too concerned about patenting terrestrial radio.

Tesla had bigger aspirations at the time - and one was to communicate extraterrestrial - to broadcast a signal to see if anyone else was "out there." In 1901, his mentions to news reporters that it would be possible to communicate with life on other planets was not well received by Tesla's financial backers. Now, Carl Sagan's SETI research institute

pays homage to Nikola Tesla for the technology that is deployed to power the RADIO telescopes that are used for the Search for Extra Terrestrial Intelligence.

This is how the first radio worked. Radio is wireless electricity.

Two Tesla coils go into harmonic resonance to accomplish radio and a crystal acts as a harmonic converter to capture the wireless electricity and down-convert the frequency to create sound.

A transmitting Tesla coil radiates (hence the term Radio) wireless electricity at a constant high frequency also known as cycles per second. This is usually in the thousands of cycles per second range. For example, the 640 AM radio station is licensed to

broadcast at six hundred and forty thousand cycles per second. The power of the wave also known as the Amplitude, is Modulated (*the height of the wave is altered and moves quickly up and down in intensity.*) This is a Amplitude Modulated radio broadcast - AM radio.

HOW DO YOU CAPTURE A RADIO WAVE? WITH A CRYSTAL.

At a distant location, the radio receiver captures the broadcasted electricity. Inside the receiver is a crystal that captures the ambient wireless high frequency electricity and then, the crystal converts it into electromagnetic impulses within the range of human hearing, about up to 13,000 Hz. These electromagnetic impulses vibrate a Tesla coil paper cone that encompasses a permanent magnet. This is called a speaker. You hear the radio announcer speak! And - all of this was accomplished without additional power connected to the radio receiver. The crystal supplied all of the power to move the speaker cone. Electricity was captured from the ambient medium via a crystal.

I could not imagine what Tesla must have felt like to be the first person to hear radio signals from empty space. Tesla shows the gravity of this accomplishment in this quote:

"The feeling is constantly growing on me that I had been the first to hear the greeting of one planet to another."

Today radio telescopes are still used to capture these emissions from distant worlds and stars.

It was not long after in 1901 that the first patent came out for semiconductor rectifiers or "Cat's Whisker" detectors by radio pioneer Jagadis Chandra Bose. This patent specifically used crystals to detect millimeter electromagnetic waves and radio signals. This was accomplished by placing a wire on a specific point on a galena crystal. From his research he concluded that silicon crystals (quartz) yielded the best results in capturing these signals from the ambient medium.



A "Cat's Whiskers" Crystal Radio

For Tesla, the ambient medium was our natural surroundings of the air, water, earth and space. If one knew how to tap into the ambient medium, it would give the world unlimited clean energy, health and abundance. He was particularly interested in using the earth's ionosphere as the source for his wireless vision of the future. This was his ultimate goal with the Wardenclyffe Tower experiments (1901 -1917).

Tesla knew that when you achieve harmonic resonance with a frequency, you

can transmit information wirelessly from one place to another over great distances. This is how crystals were and are still utilized today. If you cut two crystals to be the exact same dimension they will resonate with one another and pass information between them. This is the basis of most of our modern day technology from computers, satellites, communications and navigation. The future will also bring new innovations with crystals from promising new technologies in solar cells, LED's, optics, and data storage. New research



A Radio Satellite dish receiving signals from space

and development in crystals have recently uncovered a way of storing 360 terabytes onto quartz at the nanoscale. This data can be stored for millions of years without damage. Crystals are even found in some of the most advanced medical devices, from the new healing lasers and photon systems to devices such as the “Neuro Sync Alpha 7” which uses a crystal to broadcast an electrical field with brain wave frequencies to help sync circadian rhythms. Hollow quartz rods are now used to generate ozone.

Crystals have amazing properties that can naturally tap into the ambient medium by the geometry of their atomic structure and chemical makeup. These crystals, such as quartz, can send and receive electromagnetic energy, polarize light, and are piezoelectric. Crystals exhibit a very complex life principle, this must have fascinated Tesla as he pondered the life of a crystal. As seen by his quote found in *“The problem of increasing human energy”* from 1900.

“In a crystal we have clear evidence of the existence of a formative life principle, and though we cannot understand the life of a crystal, it is nonetheless a living being.”

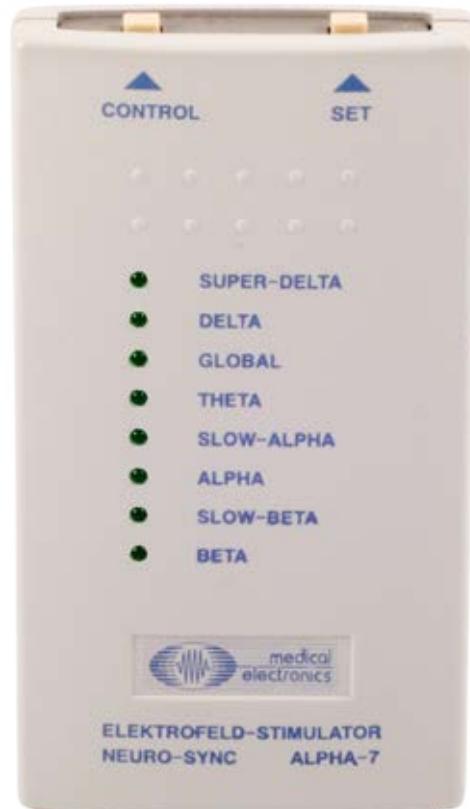
Tesla also believed that humans could tap into the ambient medium to sustain their life force without the aid of food. Could this be possible? Could humans live a healthy and vibrant life just from eating the sun and breathing the air? It makes you think that to capture these elements from a secondary source like a plant or an animal doesn't seem like the best or direct way to get our life force. There are people living on this earth today who claim they can live on just sun and air. (Sungazers and Breatharians) But these concepts are not new and have been documented throughout human history right back to the ancient worship of the sun gods in Egypt. Is it possible that Tesla was hinting that humans, much like a crystal, have this natural born ability to tap into this ambient medium?

Any way you look at it, crystals are an undeniable asset in our development of

technology and our growth as a society, but what else could these minerals teach us?

Many ancient cultures held much adoration and mysticism to crystals. Did they know something we forgot? To date there is still a large community of people that use crystals for healing, meditation work and to bring good energy into their homes. Many experiments have taken place all over the world in regards to the effect crystals have on our physical, mental, emotional and spiritual wellbeing. It has been shown time and time again that these minerals have a biological effect by increasing the energy of the body, releasing stress and helping restore balance to our minds and emotions. Maybe crystals help us tune in and channel the energy of the ambient medium just like a radio receiver. If this is the case, have we been overlooking an incredible asset that can help us connect to the ambient medium, the true source of our health and wellbeing.

Jason Quitt is an alternative health care practitioner, lecturer and researcher.
www.thecrystalsun.com



Neuro Sync Alpha 7 broadcasts brain wave frequencies through a crystal oscillator inside.



The MPS 912 Medical Photon System uses crystal LED's to modulate light frequencies.

Join us

June 25-27, 2015
Salt Lake City, UT



SOPMed
Society of Oxidative
and Photonic Medicine

snowbird **utah**
ski and summer resort

Alternative Medicine Physicians Conference

Ozone/UBI * Lasers/Lights/LEDs * Microcurrents/PEMF

All at One Time in One Place

PLUS INFECTIONS SUMMIT on Sunday June 28th

* Conference is open to all



Adriana Schwartz, MD



Ed Kondrot, MD



Denny Duchene



Garry Gordon, MD, DO



Robert Rowen, MD



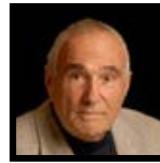
Ahvie Herskowitz, MD



Magda Havas, BSc, PhD



Gary Samuelson, PhD



Burton Goldberg

**World Ozone Leaders, Top Trainers, Alternative Medicine Pioneers
Never Before Together**

**Join us in honoring four great medical pioneers
on Friday night.**



We Guarantee that you will be satisfied with this conference or your money back!



Visit www.SOPMed.org or Call 517-242-5813



WATER AS A FUEL TO POWER THE WORLD

Robert W Connolly

Nikola Tesla's most well recognized achievement was the creation of the AC power system we have today. Niagara Falls was the first place where hydroelectric turbines transmitted electricity long distance. Buffalo New York and Hamilton Ontario became highly industrialized because their location was close to the falling waterways along the Niagara River. Hydro electric power is something that we all appreciate because it is clean – it burns no coal or fossil fuels.

Did you know that you also get power directly from the water? This is not science fiction – it's just "hidden" from our view, operating under the public radar. In this article, we will take a look at how Tesla's AC electricity can be created directly from

water by applying frequencies to the water. It's not free energy – it's clean energy and it's from our oceans, lakes, streams and even our sewage systems.

ENERGY FROM WASTE WATER

If you have read the other articles in this magazine you will have learned that a Tesla coil can do some pretty nifty things with air – such as creating ozone. But, what if you immerse the electrodes from a Tesla coil into water and then charge the water – what happens then? Well, you get ozone again and much more.

There is a Canadian company called Xogen that has patented a method of send-

ing frequencies into water to separate the hydrogen and the oxygen molecule to burn the hydrogen and then use that gas as a fuel – to power the process. And the big surprise is – the Canadian government finances it!

The inventor is Stephen Barrie Chambers from Alberta Canada and he filed the patent in 1998. *U.S. patent 6126794 A. (Fig.7)* It's been a long hard journey of suppression of this invention but his idea is finally seeing the light of day. It's an extremely simple process and the patent provides great detail on how it works.

Home DIYers – start your engines. How To Video Here -<https://youtu.be/pXo7CVFI5Sk>

CANADA INVESTS IN WATER AS FUEL

The start up of Xogen was funded in part by Sustainable Development Technology Canada, Natural Sciences and Engineering Research Council of Canada and Ontario Centres of Excellence.

The company claims that Xogen's patented technology is targeted to address the acute needs of a rapidly growing multi-billion dollar wastewater industry – but for conspiracy theorists – that's a smokescreen. This process can power your home or a large power plant. They undersell that point so they don't upset the oil and gas companies. Allow the company to operate and expand slowly to test the waters – just don't shout it out to the masses.

It's just like medical ozone....it is allowed to exist – just don't draw attention to it. Don't buy advertising on TV.

Xogen has a prototype water treatment plant running in Orangeville Ontario and has recently started advertising their construction of a water treatment plant in New York on their website. The coast must be clear.

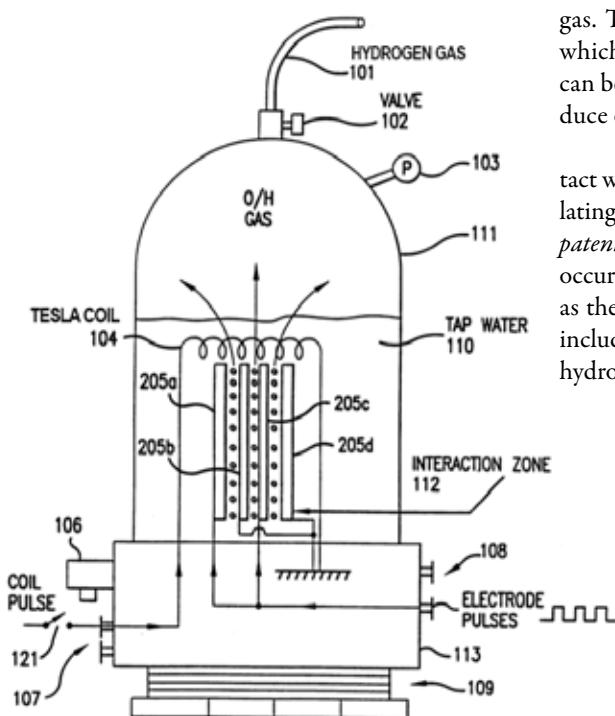


FIG.7



Xogen Reactor and Process

Credit: watercanada.net

HOW XOPEN'S TECHNOLOGY WORKS

Wastewater is treated using an electrolytic process that also produces a mixture of hydrogen, oxygen, and nitrogen gas. These gases are a valuable commodity, which can be used to generate energy that can be sold back to the grid or re-used to reduce operating costs.

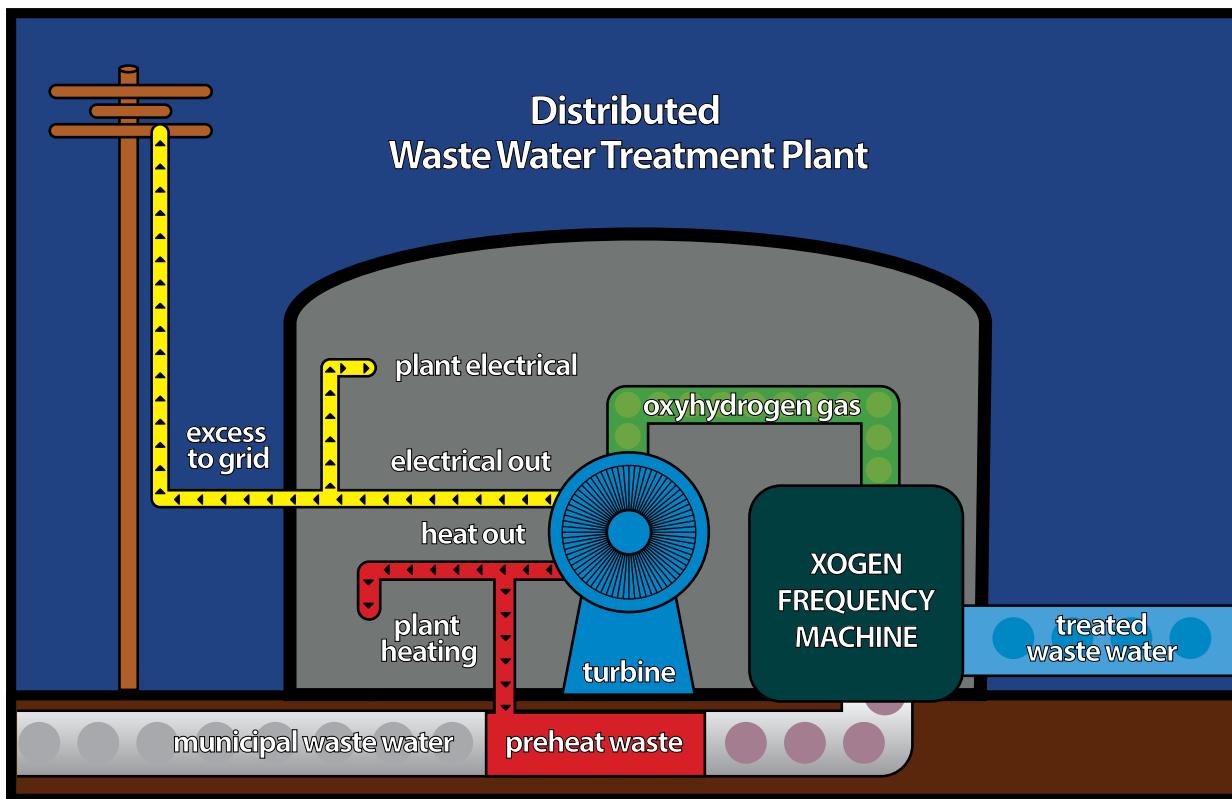
When the wastewater makes contact with a Tesla coil or electrode that is oscillating at a precise frequency (*available in the patent*), direct oxidation of the contaminants occurs on the surface of the electrode as well as the generation of highly oxidative species including ozone, hydrogen peroxide and hydroxyl radicals. As these highly oxidative

species form, they immediately react with organic matter, ammonia compounds and other constituents in the aqueous solution between the electrodes and then get converted into a mixture of hydrogen, oxygen, carbon dioxide and nitrogen gas. Suspended solids in the wastewater will precipitate or float to the surface by the micro-bubbles of gas generated while pathogens are completely killed by the ozone.

Xogen's advanced electro-oxidation and electro-coagulation process offers the ability to degrade biochemical oxygen demand (BOD), ammonia, fats, oils, greases and petrochemical contaminants. Xogen's technology also removes suspended solids, phosphorus, pharmaceuticals and personal care products from contaminated water.



Xogen is located in Orangeville Ontario Canada



While not yet required for municipal wastewater treatment, the removal of pharmaceuticals and personal care products is of growing concern as their presence in rivers and lakes adversely affects aquatic life and in some instances has been detected in drinking water!

The real point of this exercise is: Xogen's process also produces a by-product of hydrogen oxygen gas that can be combusted to produce power. Water treatment systems can be configured to utilize this power, and along with alternative energy sources, can operate off-grid benefiting remote third world communities, mining camps etc.

If you have water, you have power at your disposal. It's real and it's available now. Paid for in part by the Canadian government. Check it out at xogen.ca

ELECTRIC CARS...TESLA VERSUS QUANT E

For all you conspiracy theorists that have been watching the Australian videos of cars on the Internet that run on water, you can now focus your attention to Germany, Switzerland and the tiny kingdom of Liech-

tenstein where an exciting new kind of fuel is being used to power a very cool car called The Quant E. It's powered by charged saltwater.

The company is called NANO-FLOWCELL and I highly suggest that you visit their website to get an overview of what they are up to. They use a nano-fuel cell that is energized just by passing charged water through the cell. Instead of charging up storage batteries, you fuel up with charged water.

QUANT E, is the first car approved by German TÜV to drive on public roads in Europe and the USA. Visit their website to see a video of the QUANT E driving through Zurich/Switzerland in public traffic – without harmful emissions. Very cool! Imagine the possibilities that it can do for our energy needs – and that is what the company wants you to do-Imagine.

While it might take a long time for these cars to be mass produced – the point I am making here is that you can run the world on charged water instead of oil and gas– it's a reality right now. An expensive reality initially, but at least the "powers that be" are admitting that there are clean alternatives.

THE REALITY OF RUNNING THE WORLD ON WATER

Our standard for money was gold – now gold is in short supply. In reality we are living in a world of petrol dollars-US petrodollars. Canada supplies a huge amount of natural gas and oil to the United States so Canada is not in a hurry to run the world on water.

Germany, well, they are different. They rely on a lot of other countries for their sources of power. I commend them for stepping out and showing the world that you can use water to power cars and much more. Germany embraces Tesla medical technology and allows their doctors to use it. Germany is also a highly technical manufacturing country and they export goods all over the world. Germany has money – they bail out the other countries in the EU. They get that money by creating great technology. Much of it is disruptive technology – but usually it makes the world a better place to live in.

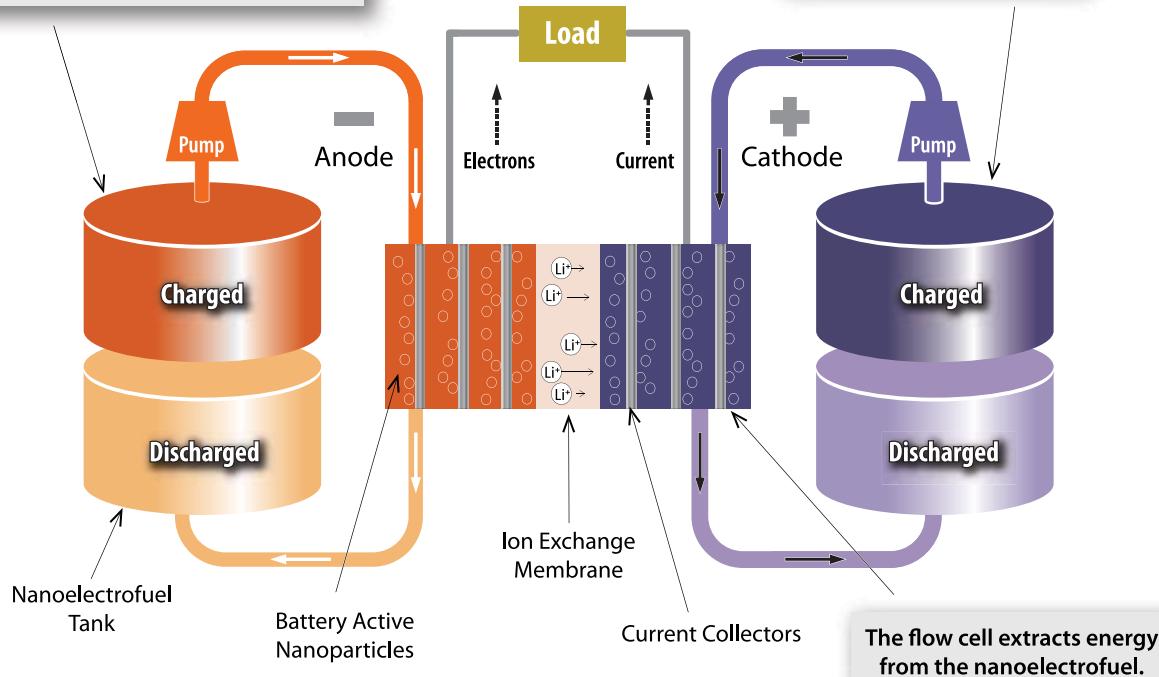
Watch the Quant E in action
www.nanoflowcell.com



To recharge the fluid, the user plugs into the grid or replaces the spent fuel with charged nanoelectrofuel at a station that recycles discharged liquids.



Storage capacity limited by tank size, not cell size.



Nanoelectrofuels by Argonne Technology Development and Commercialization

ELECTROMAGNETIC FIELDS

ARE THEY GOOD OR BAD FOR US?

Rob Metzinger

When Tesla first invented AC electricity, the world was both amazed and afraid of the ramifications of it. To make matters worse, Edison was demonizing Tesla's AC electricity by filming the electrocution of animals and people with AC electricity - and then showed these horrid events in movie theaters. The President of the United States had servants to turn on the electricity because his family was so afraid of it.

As industry embraced electricity, a new "disease of civilization" started to develop amongst the workers that were chronically exposed occupationally to the electromagnetic fields. They called this disease NEURASTHENIA – nervous exhaustion. The symptoms closely resemble some of the disorders that electro hypersensitive individuals claim to experience today. Surprisingly, Tesla's electrotherapy was often used to correct this disorder.

The problem with this scenario is that in order to develop a technical civilization, you could not have the workers fearing electricity. So the only conclusion left was to say "electricity has no effect on the body unless you touch it." This is what we still experience today – all of this electro smog that encompasses the earth we are told has no effect on us. Technology is not tested for health effects before it is brought to market. Doctors are still taught that electricity has no health effect.

Currently, public discourse is focused on cell phones. Are cell phones safe? Should children use cell phones? These are good questions to be asking, but what people don't realize is that the scope of impact is

much greater than cell phones. For example all wireless technologies emit harmful radio frequencies. A cordless phone or a wireless router in your home will bathe you and your family in a field of radio frequencies. The science that investigates the biological effects caused by RF exposure is telling us that there

are no safe exposure levels. Every time you interact with radio frequency radiation there is an effect in the body. Public education and policies need to catch up with the technological advancements and products being used by people today.



Frank Clegg is the former CEO of Microsoft Canada. He now heads up Canadians For Safe Technology, a not-for-profit, volunteer-based coalition of parents, citizens and experts whose mission is to educate and inform Canadians and their policy makers about the dangers of the exposures to unsafe levels of radiation from technology.



MP Terence Young has introduced Bill C-648 into the House Of Commons. This bill "An Act Respecting the Prevention of Potential Health Risks From Radio frequency Electromagnetic Radiation" would require manufacturers of all wireless devices to place specific health warning labels clearly on their outside of their packaging, or face daily penalties including fines and/or imprisonment.



“Carcinogen induced cancer rates are significantly higher in animals when exposed to RF-EMF from mobile phones and base stations.”

IS THERE A SOLUTION?

The simple answer is the world inherited the problems of our previous governments. The previous leaders felt that new safer technology would replace the old. In some cases this is happening – building safety codes in Europe require extremely low electromagnetic fields. You don't build houses close to electrical distribution corridors. Power lines are buried to block electric fields. There are no wireless smart meters in Italy for example...stepping stones.

One wild card in all of this is the wireless communication industry, which is loosely regulated. Wireless device integration into homes, hospitals, schools and the workplace has reached a tipping point where it is very obvious to the layman to witness the health effects from our technology. Headaches when using a cell phone is obvious to someone who experiences this. One third of the male population experiences a “phantom ring” in their pocket even when the phone is not there.

Titans of the wireless industry, such as Apple inventor Steve Jobs who was an early wireless adopter have succumbed to cancer and his passing has sent up red flags. Frank Clegg the former president of Microsoft Canada has started Canadians For Safe Technology - www.C4ST.org - and his objective is to encourage Health Canada to have more protective guidelines and to educate the public on safest use of this technology.

Oakville Canada Member of Parliament Terence Young announced multi-party support for his Private member's Bill requir-

ing warnings of products that emit radio frequency radiation. This includes baby monitors, Wi-Fi, cell phones, portable phones, wireless wearables – and even Frank Clegg's former employer's most successful consumer gaming device – the X-Box.

FRANCE LIMITS WIFI USAGE

In France, the government has banned wireless Internet in areas dedicated to activities of children under 3 years of age and wireless access for Internet in elementary schools must be disabled when not in use.

The most compelling evidence showing harm from electromagnetic fields comes from a recent study financed by the German government's Federal Office for Radiation Protection. It's extremely rare to see governments admitting that there is a problem so once again Germany seems to be a beacon of light.

In a study with mice, Alexander Lerchl, Professor of Biology at Jacobs University and his team could verify that carcinogen-induced tumor rates were significantly higher when the animals were exposed to electromagnetic fields such as those emitted from mobile phones, cell towers, etc.

The anti-celltower activists knew this all along, but what made them take notice of this study was that Alexander Lerchl, the lead author of the study is known for discrediting studies that find harmful effects. He was the enemy and now he is their hero for coming to the other side. So this research sends a message from the German government to the world - if you have cancer, microwaves speed up the growth.

CONFUSED? HOW CAN FREQUENCIES HARM AND HEAL? FIND THE FACTS

Just as some chemicals are beneficial and others are harmful to health, electromagnetic frequencies have the same properties. At the right frequency a small amount can heal. Chronic exposures to electromagnetic frequencies are not healthy.

When we talk about electromagnetic radiation (EMR) contamination in living spaces, we are talking about ELF, RF frequencies and power quality. ELF-extremely low frequencies are generated by anything electrical, hydro towers, hydro lines, all appliances, wiring in your walls, extension cords, lighting. RF-radio frequencies are produced by all wireless technologies – cell phones, wireless routers, cell phone towers, cordless phones, wireless video games. Dirty electricity is a problem of high frequency transients or surges on electrical wires. Not only is it damaging to electronic equipment but it also affects health.

My personal goal is to assist people in using these technologies safely and to provide knowledge and technology to allow for informed decisions to be made concerning living and working environments.

If I find a problem, sometimes the solutions are simple. They involve repositioning a bed, replacing wireless equipment in the home with wired units or identifying a breaker that can be turned off during sleeping hours to cut electricity flowing to a room. In other instances shielding products can be used to block EMR coming into the home from an external source. Special filters can be used to reduce dirty electricity another name for poor power quality.

While you can hire a professional to monitor your work or home environment for different types of electro smog, inexpensive meters are now available for in home use and require minimal expertise. You can't see, smell, touch or taste EMR, so monitoring your own environment and knowing what you are exposed to is a good idea. Only then can you take electromagnetic hygiene seriously.

Rob Metzinger is a certified Building Biology Instructor. Visit his website www.slt.co

When Can Electricity Heal? When Can it Harm? Let's FIND the FACTS.

Since we have now learned that electricity does have an effect on our body, we need to understand the various scenarios that come into play. How often should we use a Tesla coil to heal? How much can we use a cell phone before it is not healthy? This is a complex subject. Here is an acronym that can serve as a guide.

F
I
N
D

Frequency is measured in cycles per second and is called a Hertz. Electricity in North America travels along wires in waves of 60 cycles per second or 60Hz. Frequencies in the millions of cycles per second are radio waves used to broadcast TV and radio stations. Frequencies in the billions of cycles per second are called microwaves. Microwave ovens, Wi-Fi, Bluetooth, portable phones, smart TV's etc - use microwaves to communicate. Wi-Fi is 2.4 billion Hertz. Different frequencies have different biological effects.

Intensity refers to the strength of the wave. Electricity on a wire is measured in volts. The electricity in our home is 110 volts and that intensity will shock you. Power lines have higher voltages and transmission lines have voltages in the kV range (thousands of volts). Current flowing through wires is measured as a magnetic field. Radio frequency is measured as power density and guidelines for this vary several fold in different countries.

Nearness or proximity determines the intensity. The closer you are to an object that is plugged into an electric outlet or that generates radio frequency or microwave radiation the higher is the intensity of that radiation. For that reason it is important not to live near power lines, radio, TV, radar and cell phone antennas and to keep wireless technology as far from your body as possible. Wearing low intensity wireless transmitters such as a watch is not a good idea.

Duration of exposure in combination with intensity determines your dose. Exposure to high intensity (below guidelines) for short periods is less of a problem than long-term exposure to low levels since cumulative exposure seems to be important biologically. This is the base for both ELF and RFR.

F A C T S

Frequencies are produced by the earth (7.8 Hz) and by our body (heart beat 1 Hz, brain waves up to 30 Hz) and these frequencies are natural and healthy. PEMF devices that generate these frequencies or that can bring coherence to the body can help the body heal. Some frequencies have a calming effect and others a stimulating effect and need to be used appropriately. Specific frequencies that resonated with microbes can cause the microbes to absorb the energy and “explode”. High frequency devices that generate ozone can also be used to kill microbes and thus benefit health.

Amplitude is another term for intensity as the wave height is measured as amplitude. In PEMF the amplitude of the wave is important. However, higher amplitudes are not necessarily better or worse than lower amplitudes. It all depends on what you are trying to achieve with the PEMF. Very high intensity PEMF that activates muscle contractions must be used only short periods of time with the advice of a professional health care practitioner. Cells respond to the correct amplitude of a specific frequency.

Closeness to the Tesla coil is important. The even distribution of the electromagnetic field to the body is important and this is based on your proximity to the coils.

Time of exposure in terms of both duration and time of day are important. Some frequencies stimulate and are ideal in the morning, others have a calming effect and are more useful before sleep. PEMF technology does not require hours of exposure but rather short durations several times daily or weekly depending on the condition that is being treated. The cells of your body are like a battery - once the cells are fully charged there is no reason to over charge the cells. Keep them fully charged and functioning properly and good health will follow.

Shape of the waveform is important from a health perspective. Different wave forms have different biological effects. Sine waves, square waves, saw tooth waves and waves that mimic nerve impulses are used for different conditions. Different PEMF technologies have different wave shapes and frequencies that can be adjusted to suit the specific needs of the patient.

Historical Reprint From the New York Times Aug 18, 1912

Electrified Schoolroom To Brighten Dull Pupils

EXPERIMENT WILL BE TRIED IN NEW YORK WITH SUPERINTENDENT MAXWELL'S

CONSENT TO SEE IF HIGH POTENTIAL CURRENTS WILL HELP DEFECTIVES

— REMARKABLE RESULTS REPORTED ABROAD



Superintendent W. H. Maxwell of New York's Public Schools.

New York will try an experiment next Fall which, if successful, will completely overturn all methods hitherto applied in its schools and introduce a new era of education.

It is so sensational that at first sight, it seems like the impossible dream of a mad inventor. Yet it has the thorough approval of men who are by no means identified with anything sensational and unpractical, among them Superintendent of Schools William H. Maxwell and Dr. Louis Blan of Columbia University while the inventor of the scheme, Nikola Tesla, can show corroboration of what he claims, to the extremely successful results already obtained by means of his invention in the schools of Stockholm, capital of Sweden.

CURRENT IN THE WALLS

Fifty mentally defective school children will be the first subjects of the experiment. They will enter and seat themselves in what will look, to all like an ordinary schoolroom. But it will be far from that. Though the walls invisible electrical current will run, by means of which, it is declared, the brains of the children will receive artificial stimulation to such an extent that they will be transformed from dunces into star pupils.

Six months is the time limit set for the experiment. At the end of that period, if the inventor and those who have studied his work are to be believed, the fifty backward pupils will have the electric schoolroom and hold their own thenceforth with ease against their cleverest comrades, whom they never even dreamed of emulating six months before.

The work is to be in charge of Mr Tesla, who by means of the Tesla electric coil, secured in the walls of the classroom, will permeate its atmosphere with high frequency electric currents. It is expected that Dr. S. H. Monnell of Chicago, famous as an electro-therapist, will volunteer his services in carefully ex-

amining the children before, during, and after their exposure to the high-voltage current. Dr. Blan will assist him by making a record of the progress of each case.

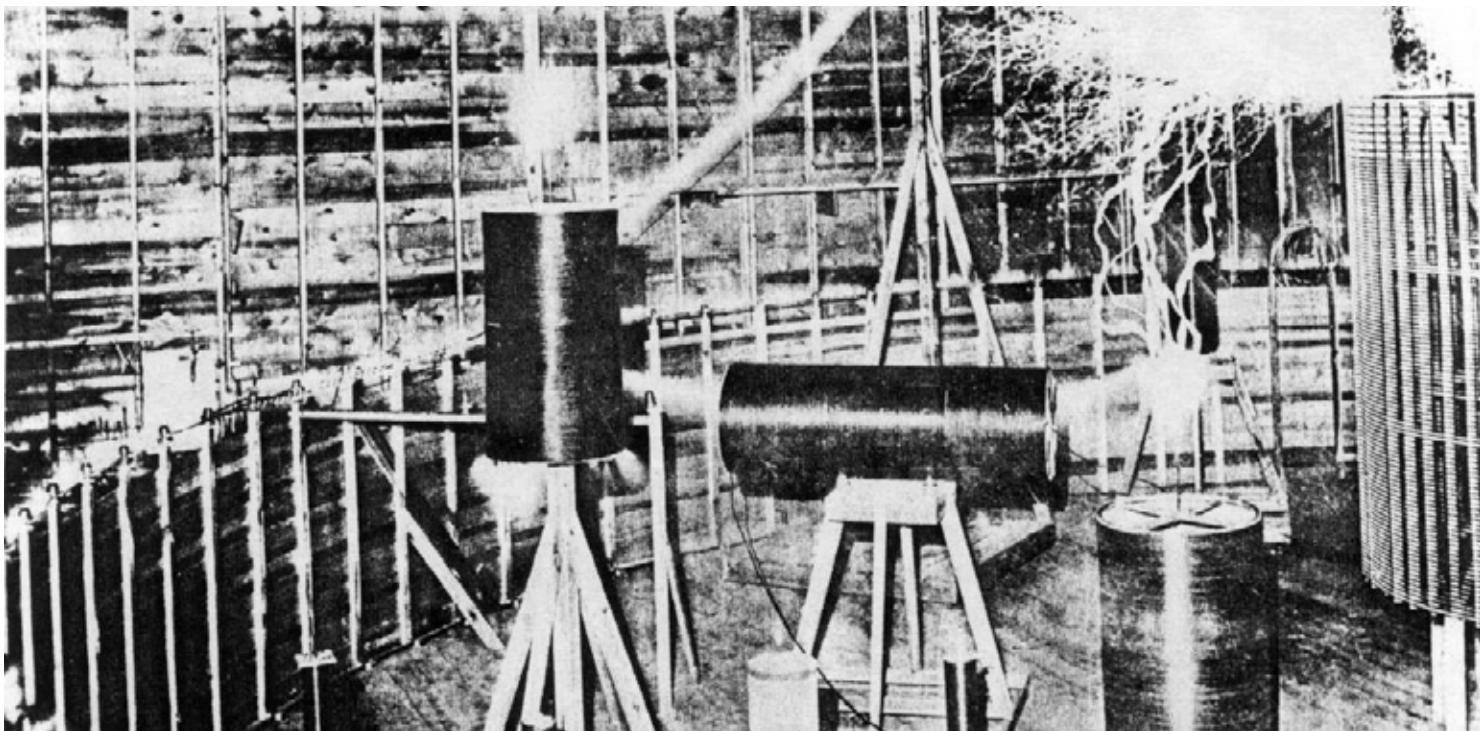
"I am convinced that the high-frequency current has no deleterious effect; that, on the contrary, it is positively beneficial."

City Superintendent of Schools William H. Maxwell said in confirming the report that the experiments are to be made.

"I am convinced that the high-frequency current has no deleterious effect; that, on the contrary, it is positively beneficial, and that the experimental tests should be and, in all probability, will be carried out in the fall."

COST OF THE APPARATUS

The cost of installing the apparatus and properly applying the tests is \$100. Several men, including a New York philanthropist has offered the amount. At the same time Mr. Tesla hopes himself to be able to



Coils for transmission of the hight frequency current, photograph represents a powerful machine. Effect will be much modified in a schoolroom.

finance this first experiment, and when its advantages are demonstrated, to then allow same interested person to step in and install appliances in every schoolroom of the city. All school children both normal and defective would then be subject during their classroom periods to the stimulation of this pervasive high-frequency current. When asked about the cost of such a project, Mr. Tesla replied that it would be very moderate, about \$100 to install the apparatus in each room.

"By the use of high potential electricity they may do away with the use of bromides, phosphates, pepsin tablets, and all kinds of drugs taken for disorders of the nervous and digestive systems."

USE MAY BECOME GENERAL

According to the inventor this experiment in the schools will be merely an opening wedge, a suggestion to the people that by the use of high potential electricity

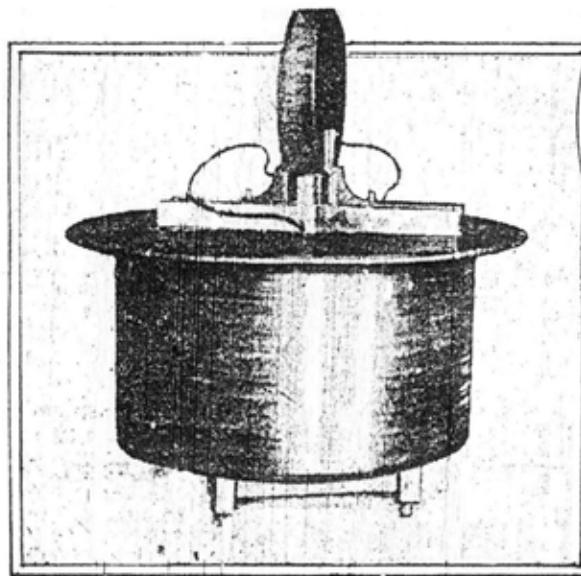
they may do away with the use of bromides, phosphates, pepsin tablets, and all kinds of drugs taken for disorders of the nervous and digestive systems. If his dream comes true, ten years from now people will inquire when renting an apartment or house "Is it electrified?" Everyone will have at least one room in his house furnished with a coil generating high-frequency currents. By that time the appliances will be inexpensive, so that at a moderate cost people will be able to obtain superb health and mental brilliancy. Ordinary conversation will then be carried on in the scintillating epigrams, and the mental life of the average adult will be so quicken as to equal the brain activity of the most brilliant people living before the time when a generator of high-frequency currents was a household essential.

"The mental life of the average adult will be so quicken as to equal the brain activity of the most brilliant people living."

Leading experimental psychologist assert that the high-frequency current intensifies cerebration. It is a mental stim-

ulant, just as alcohol is a mental stimulant, the difference being that the electricity is harmless and confers lasting benefits. It is related that during certain high-frequency tests performed by Mr. Tesla one of his assistant was exceedingly stupid in carrying out instructions concerning the laboratory adjustments. The laboratory was equipped with a coil generating high voltage currents. After a time Mr. Tesla noticed that the man grew brighter and did his work better. He supposed for a time that this was because the man was learning, but after watching him closely he discovered that his assistant's quickness was much deeper than merely learning to make the tests. His mental life had been stimulated and instead of being slow to learn, as at first, he now showed remarkable acumen.

The tests made on school children in Europe were with the Tesla apparatus, and were carried on under the supervision of Prof. Svante Arrhenius at Stockholm, Sweden. The results were watched with keen interest by scientists, especially psychologists, in the United States, for, although scientific experimenting with school children is customary in Europe, it has as yet been untried in this country.



Form of apparatus to be used in a schoolroom



Nikola Tesla

SUSPICION OF EXPERIMENTS

As Dr. Blan pointed out, over here there has until recently been a suspicious attitude on the part of people with reference to experiments of an elaborate nature performed on school children. Fear of deleterious effects has had something to do with this, as well as a general skepticism, on the part of educators, of the value of such tests. In this respect we in America have been far behind Europe, and especially Scandinavia, which is one of the most advanced countries in the world in its educational methods. The experiment about to be performed in the fall in New York City will be the first of its kind in the United States, and so marks an epoch in our methods of handling school children.

The question of a possible deleterious after-effect has, of course, been the crucial one on which opposition to the work has hinged. However, it is the consensus among psychological experts and electro-therapists that there is absolutely no danger attending such experimentation.

"The children in the magnetized room, according to the official report, showed an increase in stature of two and a half inches."

THE STOCKHOLM EXPERIMENT

In Stockholm two sets of fifty children, each, averaging the same age and physical condition, were placed in a separate class room exactly alike except for the concealed wires installed in the walls of one of the rooms. The regular school work was pursued and the test lasted for six months. Frequent observations of the children were recorded to ascertain the effect of the high-frequency waves upon them. At the end of the experimental period the children in the magnetized room, according to the official report, showed an increase in stature of two and a half inches, while the unmagnetized room the average increase was only one and one-fourth inches. The pupils in the electrified room likewise showed a weight increase and proportionate physical development greater than that of the children in the other.

On the mental side, according to this report, the children exposed to the electric waves averaged 92 percent in their school work, as opposed to an average of 75 per cent in the children of the other room. Fifteen pupils in the electrified room were marked 100 by their teacher, while only nine obtained perfect ratings in the other class.

The report continues that the electrified children appeared generally more active and less subject to fatigue than those that were not electrified and that the teachers also experienced from the treatment a

quickenning of the faculties as well as an increase of powers of endurance.

"Fifteen pupils in the electrified room were marked 100 by their teacher, while only nine obtained perfect ratings in the other class."

Abroad these scientific tests are as likely to be made on average children as on defectives. In fact, those in Sweden were applied on normal pupils. "Here," comments Dr. Blan, "the custom seems to be to try exerting on the goat first, and so sub-normal or defective children are to be used. Whereas it would be just as well, perhaps even better, to electrify normal children and note the results."

When asked if there were any injurious effects whatsoever from high frequency electricity, Mr. Tesla replied that the effects of the rays of light issuing from the ordinary incandescent lamps in our houses were positively more harmful than those proceeding from the high potential coil. He added that the increasing prevalence of baldness may be largely due to the effect on the scalp of the electric rays from incandescent lamps.

"The effects of the rays of light issuing from the ordinary incan-

descent lamps in our houses were positively more harmful than those proceeding from the high potential coil."

DETAILS OF THE APPARATUS

The apparatus is called the Tesla coil from its inventor. It consists of a primary made up of a few turns of a coarse wire, and differs from the official coil of the X-ray machine largely in this coarseness of the primary. Whereas using the X-ray coil, one may obtain from 50 to 150,000 volts, with the Tesla coil millions of volts may be generated. Carefully insulated wires will be inserted in the walls of the experimenting classroom and the tests will be carried on without the knowledge either of the teachers or the pupils.

"The air of the room will be completely saturated with incalculable millions of infinitesimal electric waves vibrating at a frequency so great as to be unimaginable and capable of measurement only by a most delicate volt meter."

The experts find that the higher the voltage and the lower the amperage the less harmful is the electric wave. High frequency currents never kill. The low frequency currents with high amperage are the kind used in executions. The X-rays, produced by high-frequency currents, but through specially devised tubes, are, as is well known injurious. They are of lower frequency than the currents generated by the Tesla coil. The X-ray passes through the body like a bullet and actually makes microscopic holes.

"The high frequency currents from the Tesla apparatus do not pass through the body, but bathe it and permeate it very much as does alcohol when rubbed on the skin."

The fifty defective New York children who will be subjected to the experiment

will in reality have an electric bath lasting for six months.

Dr. J. P. Sutherland, Dean of the Boston University School of Medicine, says: "I have been interested for some time in the subject of high frequency electricity, particularly in the effect of high frequency currents on metabolism, (this is, tissue-change.) My work has been confined almost wholly to adults."

"High frequency currents produce ozone, the properties of which as a tonic and a stimulant are well known. Although the effect of the current on the human body is not thoroughly understood as yet, it has a decided effect on this chemical processes."

Prof. Sutherland also predicts that one of these days the high frequency current will be a commonplace in the home. He says further that it is now possible to imbue persons with this electric tonic without their coming in contact with any apparatus whatever, or their even knowing that they are being exposed to the electrifying process.

Mr. Tesla was asked to make a statement as to the manner in which his electrical experiments with the school children were to be carried out. He replied:

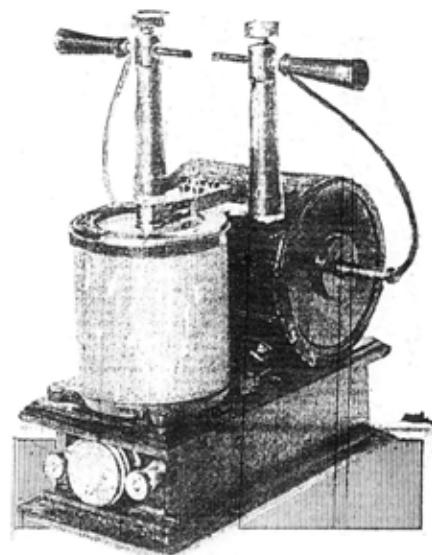
"The high frequency currents can be applied in three distinct ways. One is to pass the currents directly through the body, bringing the part to be treated in contact with the terminal or source of the current. Another way is to establish an electrostatic field in the room and expose the person to the influence of the alternating stresses of high potential. The third way is to act on the person by induction.

When the experiment is made in this city the electricity will be applied in all three ways, but the third method will, in all probability, be given great test prominence. In this case a cable will be placed around the room and high frequency currents passed through the same, creating a rapid-changing electro-magnetic field. The experiment in Stockholm was performed in this manner. The apparatus was in all essentials the same as the one I used in this city many years ago when I had an installment of that kind in continuous use."

Mr. Tesla said further that it was not essential to the success of the tests that the wire be hidden or that the work be done without the knowledge of the teachers and the pupils, but nevertheless it would be done secretly so as to properly compare the results with the experiment of Prof Arrhenius.

NO DANGER TO THE PUPILS

When asked if there would be danger if for some reason or other the current passing through the cable were too strong, the inventor said no, and continued: "The apparatus is so designed that this will never happen. Yet, even if the current were a thousandfold increased, no untoward effect would result. I have frequently, in the presence of the visitors in my own laboratory, energized a loop of wire with high frequency currents so strongly that when a piece of metal was approached to the loop, it was melted instantly, and the process of melting was so instantaneous that the metal would explode with the report of a gun. Into this same loop of wire so energized that metal near it would come to white heat, melt, and burst with a report. I have repeatedly thrust my head and felt no inconvenience. My explanation is that human tissues act as electrical condensers, which means that the heating effect such as is produced in a conductor is excluded."



Instrument for electrification used by physicians

Tesla's New World Order

Nenad Stankovic, the publisher of Tesla Magazine is proud to announce that he will be publishing the english version of Dr. Velimir Abramovich's popular book titled - Tesla's New World Order.

Dr Velimir Abramovich is considered to be one of the leading experts on the life of Nikola Tesla. His Serbian heritage and access to information at the Tesla Museum in Belgrade gives Abramovich a unique inside look into the mind of Tesla. Where other authors focus on the inventions, Abramovich prefers to delve into the psychic, supernatural and visionary aspects of Tesla. In this book, he targets Tesla's accurate prediction of when the great world wars started, the casualties and cost. Tesla believed wars would be fought by robots and the countries that had the best robots - would rule the world. He tried to convince the US government to use these robots and to create shields that would protect the United States - but they did not heed his advice at that time.

To win the war, it would not be brute force, or the numbers of boots on the ground - it would be how many flying robots in the air. Beams of energy instead of metal would create the casualties of war. All these predictions are now coming true with the rise of drones that are used for surveillance and attacks against "terrorists."

TESLA's articles are the keys to New World Order Technology. Papers such as: 1. The Problem of Increasing Human Energy, 2 - The Transmission of Electrical Energy Without Wires, 3 - How Cosmic Forces Shape Our Destinies 4 - World System of Wireless Transmission of Energy.

Tesla's Visions of the New World Order will be available summer 2015.

Visit www.teslamagazine.org to read a chapter of the upcoming book.



Dr Velimir Abramovich

U.S. Charging Network

Tesla Motors has introduced Range Assurance and Trip Planner – Find the nearest charging station automatically.

Tesla has announced a new feature in the car that is always running quietly in the background even when navigation is not in use. In real-time, it communicates with the network of Tesla Superchargers and destination chargers, discarding any that are in heavy use or inactive and warns you before you drive out of range.

The Tesla charging network has grown dramatically over the past few years to the point where virtually the entire US and Canadian population is within range, as well as northern and western Europe. Over

the next 12 months, all of Europe and North America (excluding northern Alaska) will be covered, as well as China (apart from low population areas far inland), the Japan main islands and southern Australia. The navigation system shows a map of the most conve-

nient charging locations and guides you to the closest one. Moreover, it factors in height changes, like having to climb over a mountain pass, and looks up weather and wind speed from the Internet to determine range with extreme accuracy.



The future of Photon & Pulsed Electro-Magnetic Field Systems.

German Engineered & Designed



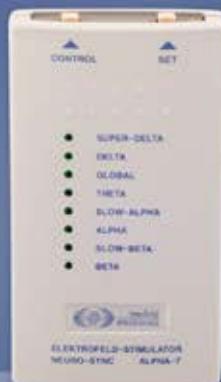
MPS 912 - Photon System



AQA 707 - Water Energizer



LDN 709 - Light Noise Detector



Neuro Sync Alpha 7



MPS 310 - Photon System



MTK 07 - Magnetic Field Coil



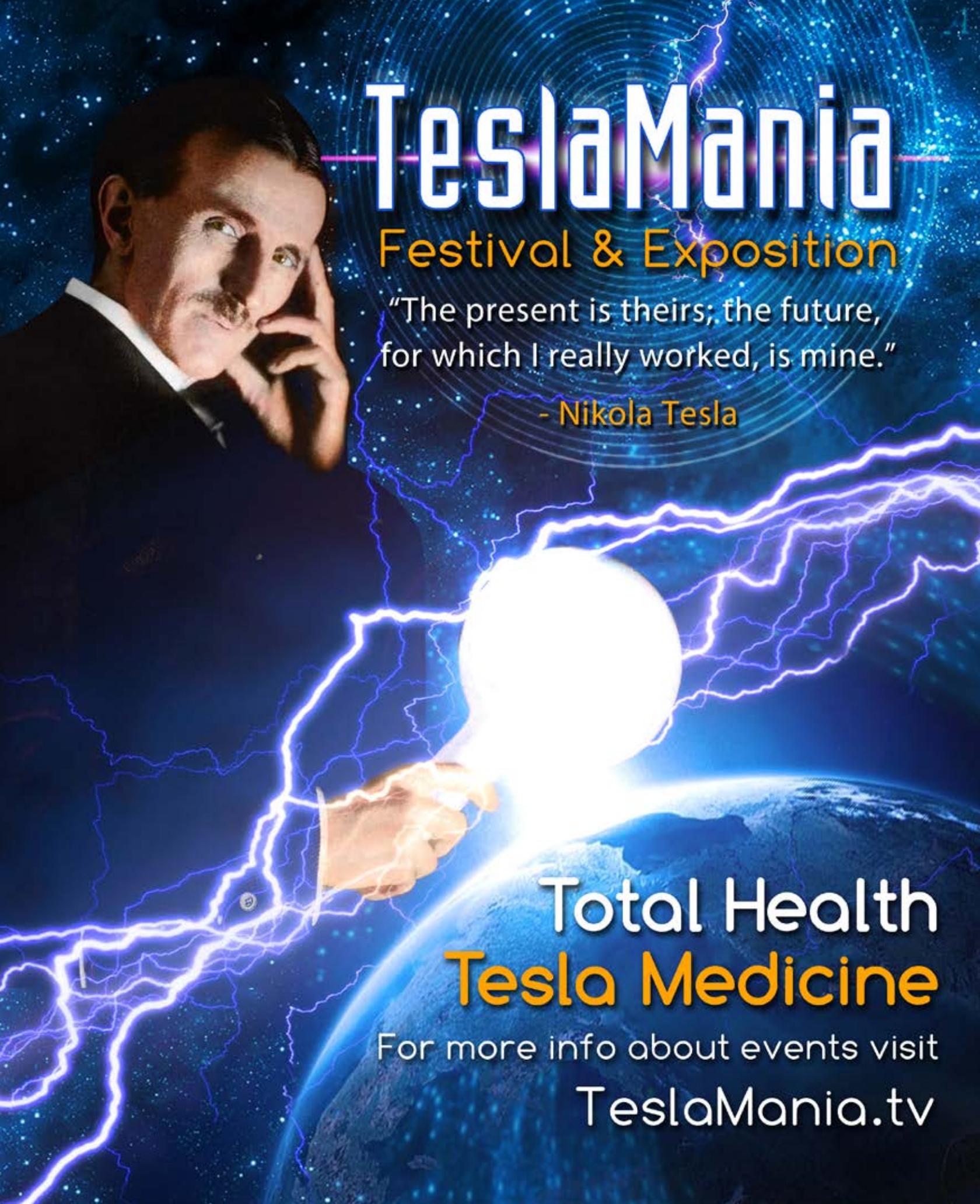
medical
electronics

Photon & Pulsed Electro-Magnetic Field Systems

www.medicaelectronics.org

www.thecrystalsun.com

T: 416-996-3021



TeslaMania

Festival & Exposition

"The present is theirs; the future,
for which I really worked, is mine."

- Nikola Tesla

Total Health Tesla Medicine

For more info about events visit
TeslaMania.tv