What if … Albert Einstein did not leave Germany when he did? Would Europe be speaking another language?
What if … Alexander Graham Bell never quite figured “it” out—would we have I phones today?
What if … Henry Ford was content to just do things the way everyone else did them? Would watches and cars be affordable to the average person?
When we look into history and play the “what if” game, we think about how the future might, or even would, have been different today.
What if, instead of looking backwards, we look forwards and ask that question?
What if, we share Applied Electrophysiology with family and friends? Would life be better for them?
What if, we use the technology and peoples lives change for the better, would life be better for us?
What if, we changed lives and they changed lives and they changed more lives, could we change the world?
Let’s start finding out right now.

The very reason for starting the Academy of Applied Electrophysiology was birthed in the idea that a technology was ready and the time had come to share this with the world.
Dr. John Hache and I, Richard Fix, appreciate your help, your participation, your encouragement and especially your involvement and enthusiasm.
Our journey together allows us all the opportunity, and indeed the privilege, to be eye witness to seeing lives changed, depression turned into joy, despair turned into hope, and pain turned into relief.
The Academy’s first newsletter is here; read it, enjoy it, share it, learn from it and teach with it. Open your minds to what you can do with the technology in your hands. Change lives, including your own. You can make a difference. Help yourself, help others and help the Academy. Welcome to the world of the Academy of Applied Electrophysiology.
Raising “Electrical Medicine” to its proper stature in the field of Health Care

It is not only possible but our duty in this century to reduce the need for invasive and dangerous control substances to mitigate pain. Our vision is that through the knowledge and use of “Electrical Medicine”, this will be achieved.

Academy of Applied Electrophysiology

Electrophysiology is the science and branch of physiology that pertains to the flow of ions in biological tissues and, in particular, to the electrical recording techniques that enable the measurement of this flow. Although electrophysiology is the gold standard for investigating neuronal activity it is now being challenged by newer technology. It is predicted that the photon will progressively replace the electron for probing neuronal function, particularly for targeted stimulation and silencing of neuronal populations.

Applied Electrophysiology on the other hand, involves the application of micro current and/or PEMFs to increase cellular voltage, ATP production and blood flow. Other known effects of PEMFs or micro current technology are:
1. An increase in trans membrane potential (TMP) (cellular voltage)
2. Increase in Cellular pH (an acidic body attracts disease)
3. Improves Oxygen Uptake and Assimilation into Cells (creation of cellular energy or ATP)
4. Lowers Blood Viscosity Improving

Is this the founding Father of Applied Electrophysiology?

During the 1790s, Italian physician Luigi Galvani demonstrated what we now understand to be the electrical basis of nerve impulses when he made frog muscles twitch by jolting them with a spark from an electrostatic machine.

EARLY BEGINNINGS

Through numerous observations and experiments Luigi Galvani caused muscular contraction in a frog by touching its nerves with electrostatically charged metal. Later, he was able to cause muscular contraction by touching the nerve with different metals without a source of electrostatic charge. He concluded that animal tissue contained an innate vital force, which he termed “animal electricity.” He believed this to be a new form of electricity in addition to the “natural” form that produced...
Galvani vs Volta
And the birth of “Electrophysiology”

Alessandro Volta at first was not convinced but later capitulated. From this disagreement the Voltaic Pile or early battery was born.

(Applied Electrophysiology cont’d)

Circulation and microcirculation. This is important as stressed blood exhibits a Rouleau-Effect where the red blood cells clump together. We are seeing this with the increase in manmade electro magnetic fields.

5. An increase in Cellular Voltage and reversal of the Rouleau Effect. (when your cellular voltage is low, the positive charge on the outside of the cell is diminished which encourages the cells to stick together and stack like coins)

6. Healthy level of electroporation—(the simple process of making cells more porous or open allowing a better intake of nutrients, water and oxygen into the cells, and removal of toxins out of the cells).

Lightning and to the "artificial" form that is produced by friction (i.e., static electricity). He also believed the brain secreted an "electric fluid" and that the flow of this fluid through the nerves provided a stimulus for the muscle fibers.

Scientific colleagues generally accepted Galvani’s views; but Alessandro Volta, a professor of physics, was not convinced. Volta demonstrated that the electricity did not come from the animal tissue but was generated by the contact of different metals, brass and iron, in a moist environment. However, in another experiment, Galvani caused muscular contraction by touching the exposed muscle of one frog with the nerve of another and thus established for the first time that bioelectric forces exist within living tissue. Galvani’s discoveries opened the way to new research in the physiology of muscle and nerve and pioneered the subject of electrophysiology — the study of the connection between living organisms and electricity.

Galvani’s report of his investigations were mentioned specifically by Mary Shelley as part of the summer reading list leading up to an ad hoc ghost story contest on a rainy day in Switzerland — and the resultant novel Frankenstein — and its reanimated construct.

Galvani’s work pioneered the subject of electrophysiology, thus we can safely state that Galvani is the Father of Modern Electrophysiology.

(Applied Electrophysiology cont’d)

Remember this date—in Burleson, Texas on the 1st of June, 2014—the Academy saw its humble beginnings.

There are three types of workers: those who get things done, those who watch things get done, and those who wonder how so much got done.—Congratulations team.
George Lakhovsky is one of those great scientists whose contributions further led the cause of electrophysiology. Georges Lahovsky was a Russian engineer who became a naturalized French citizen and was ultimately awarded the Legion of Honour for his scientific technical services during the First World War. He had to flee his adopted country before the arrival of the Nazis, and died in New York in 1942. Lakhovsky foresaw that one day it might be possible to project images of cancer tumors as an energy disturbance onto a TV screen, today we have MRI and CAT scanners. His fundamental scientific principle was that every living thing emits radiation. According to Lakhovsky, the nucleus of the living cell may be compared to an electrical oscillating circuit. This nucleus consists of tubular filaments, chromosomes and mitochondria, made of insulating membranes but filled by an electrically conductive intracellular fluid. These filaments have capacitance and inductance properties and are therefore capable of working like radio transmitters and receivers. In Lakhovsky’s model, life and disease are a matter of a “war of radiations” between the body’s cells and microbes. If the radiations of the microbe win, disease and death will result. If the cell’s own energy transmission wins, then health is preserved. Thus he arrived at a very advanced and quite defensible energetic view of disease. Lakhovsky was convinced that oscillatory disequilibrium—that is, cellular radiation energy disturbance—was the predominant factor in the onset of malignancy. This may be even more true today with the dangerous increase of man made electromagnetic fields. Lakhovsky invented a multiple wave oscillator where every cell could find its frequency and vibrate in resonance.

George Lakhovsky
“The Secret of Life”

An investigative genius, he was born in 1869, his seminal book “the secret of life” was published in 1925.

In Lakhovsky’s model, life and disease are a matter of “war of radiations” between the body’s cells and microbes.

You have 300 times more cells in your body than there are stars in the entire Milky Way galaxy!

According to an estimate made by engineers at Washington University, “There are 100 trillion atoms in an ordinary human cell!”

The Academy’s first Biofeedback graduation class.

From the 11th to the 13th of August in Burleson Tx., the Academy held its first Biofeedback classroom introduction for Board Certification as Biofeedback Technicians and Biofeedback Professionals— instructed by Dr. John Hache. This same certification can be used to obtain certification in Pain Management and/or Stress Management.
George Lakhovsky
“Multi Wave Oscillator”

George Lakhovsky (cont’d)

Lakhovsky’s Oscillator was picking up and damping all kinds of atmospheric radiations. Lakhovsky bewailed the fact that so many radio transmitters were springing up (even in his day) that “there is no detectable gap in the gamut of these waves”. Consider the health problem implied by this, when today we have a million times the intensity of blanket radiations that he experienced. Go to “http://www.emttransformation.com for more information on the dangers of atmospheric radiations (EMFs).

Lakhovsky initially proved his theory using plants. In December 1924, he inoculated 10 geranium plants with a cancer that produced tumors. After 30 days, tumors had developed in all of the plants. He took one of the 10 infected plants and simply fashioned a heavy copper wire in a one loop, open-ended coil about 30 cm (12”) in diameter around the center of the plant and held it in place with an ebonite stake. The copper coil acted as an antennae or a tuning coil, collecting and concentrating oscillation energy from extremely high frequency cosmic rays. The diameter of the cooper loop determined which range of frequencies would be captured. He found that the 30 cm loop captured frequencies that fell within the resonant frequency range of the plant’s cells. This allowed the plant to overwhelm the oscillations of the cancer cells and destroy the cancer. The tumors fell off in less than 3 weeks and by 2 months the plant was thriving. All of the other cancer-inoculated plants-without the antennae coil- died within 30 days. Download the Secret of life: [https://www.dropbox.com/s/okdub4hugugozd7/Lakhovsky%20-%20The%20Secret%20of%20Life.pdf?dl=0](https://www.dropbox.com/s/okdub4hugugozd7/Lakhovsky%20-%20The%20Secret%20of%20Life.pdf?dl=0)

Efficient & Effective ... Any Questions?

By now most everyone who uses micro-current technology has heard the two fundamental rules for its use: **Rule one** … turn it on. **Rule two** … put it on. Because micro-current technology is relatively safe and has a very low incident of negative side effects these two rules work! However, as professional health care practitioners who apply these devices to others we seek to make our efforts as efficient and effective as possible. **Doing so can speed relief to those suffering and hopefully limit the amount of treatment required.**

In order to make our efforts efficient and effective it is essential that we acquire information about the “whole person”. That means talking to and LISTENING to the patient. I’m sure that almost everyone who reads this has had the experience of filling-out detailed medical history questionnaires only to come face-to-face with the practitioner and discover that he/she hadn't bothered to read it. Whenever this has happened to me I have felt discounted or that my condition was somehow unimportant. I instantly lost confidence in the practitioner and the therapies offered.

On the other hand we can't simply turn the process over to the patient. One of two things will almost certainly happen:

The patient may not say enough and leave out important details about their condition.

The patient may say too much, going off topic into irrelevant details and in so doing take up valuable treatment time.

The process needs to be structured to ensure complete information in a short period of time without making the patient feel rushed. It may seem like a tough balancing act but it's not. In Oriental medicine we're taught the “Ten Questions”. They are questions specifically designed to evoke responses that will give the practitioner the pertinent information needed to make an accurate differentiation so the appropriate therapies can be applied. The information needed in the application of micro-current therapy may be a little different but the concept is certainly the same. Having a list of questions that allow a practitioner to determine the location, character, extent and nature of a patient’s pain can direct which protocols to use and for how long. Such a list of questions would also include any possible conditions of the patient that would contra-indicate the use of micro-current. The bottom line is ... a list of questions that the practitioner asks can open up communications with the patient, give them a sense of confidence and perhaps most importantly, give the practitioner the information necessary to be **efficient and effective**. (by Thomas Woods AAE Director, Diplomat of Acupuncture, LMT)
Acording to Nobel prize laureate, Dr. Otto Warburg, cells maintain a voltage across their membrane, which is analogous to the voltage of a battery. He found that healthy cells have a measurable voltage from 70—100 millivolts, with the heart cells having the highest (upwards to 90—100 millivolts). Not surprising as 1/3 of the heart’s weight is composed of Mitochondria where ATP energy is produced. Dr. Warburg found that due to the constant stress of modern life along with a toxic environment and the gaining process, cellular voltage drops. People with chronic illnesses and chronic fatigue unilaterally had a diminished Cellular voltage (30—50 millivolts) Cancer patients displayed the lowest voltage at less than 15—20 millivolts. We are hearing the adage that “healing is voltage” more and more. In electrical terms, voltage is stored work potential. Amperage is the movement of electrons performing the work. When electrons move from one place to another it is called current as in “the current of the nature and mode of action of the respiratory enzyme” In 1931 he was awarded the Nobel Prize in Physiology for his “discovery of the nature and mode of action of the respiratory enzyme”. One of the greatest minds of our times, Warburg was nominated an unprecedented three times for a Nobel prize for three separate achievements. Cellular voltage (30—50 millivolts) Cancer patients displayed the lowest voltage at less than 15—20 millivolts. We are hearing the adage that “healing is voltage” more and more. In electrical terms, voltage is stored work potential. Amperage is the movement of electrons performing the work. When electrons move from one place to another it is called current as in “the current of injury” coined by Dr. Robert Becker. When a voltmeter is placed across the leads of a battery, the reading you get is the difference in electrical pressure—the potential between the two poles. This pressure represents the excess electrons present at one pole of the battery. Incidentally this is caused by a chemical reaction within the battery, as it is ready to flow to the opposite pole. In energy medicine, we learn that each cell is designed to run at a specific voltage and pulsed electromagnetic fields from certain micro current devices enhance the cell’s capacity to heal by recharging the Trans-Membrane potential and increasing ATP production as well as increasing cellular pH.

Barbara’s Story (Submitted by Richard Fix) In 1963 Barbara was driving her car with her husband and 9 year old as passengers. As she slowed for a stopped car ahead, she was rammed from behind and then crashed into the rear of the car she had stopped for. Her forehead cracked the windshield, but fortunately her husband and son were alright. She suffered whiplash, though, and was in traction for some time as a result. For the next 48 years she lived with constant, daily, 24 hour a day neck pain and did not have full range of motion for either turning her head left or right, as well as to look upward. She would be unable to even sleep on her back. Over the next 48 years no one and nothing made the slightest difference except for two brief interludes totaling a few of hours. Those singular successes were the result of Massage Therapy, but it just would not last more than a couple of hours. Barbara remained open-minded, but nothing else ever helped in the least. Fast forward to July 2, 2012. A friend of hers had a small hand-held device that might have passed for a Star Trek Tricorder used by Dr. “Bones” McCoy. She said she was game to try it, but made it clear that in 48 years nothing else had worked. 40 minutes later she had regained full range of motion and was able to look left, right, up and down without even a twinge of pain. For the next 20 minutes all she could do was walk around her home looking straight up at the ceiling while tears of joy and relief gently rolled down her cheeks to the floor below. Update: November 5, 2013, Barbara still has no pain and full range of motion. She lives with her husband in Mansfield, Texas, and has family nearby. Epilogue: this technology changes lives, maybe it will change yours. In Barbara’s case it was one time, 40 minutes, and 48 years of pain erased. Barbara plays piano for her church and donates her time at “Old Folks” homes and volunteers there. Oh, Barbara was 29 when she was in the car accident. Conclusion: It is better to be pain free and free to help others, than to live in pain. (end)
Your Eyes—Your Most Precious Gift

Weakened vision does reduce your quality of life and creates difficulty right across all aspects of it. For example, loss of your driver’s license, loss of independence, difficulty reading or enjoying a movie or activities with your loved ones.

Cell migration and multiplication plays a key role in development and healing. Most research in this area, true to form, has been on chemical factors, totally ignoring the energy element bioelectromagnetism). Now several studies have shown that applying electric fields can affect cell migration and division as well.

Cells and tissues essentially function as chemical batteries, with positively charged potassium ions and negatively charged chloride ions flowing across membranes. This creates electric field patterns all over the body. When tissue is wounded this disrupts the battery, effectively short-circuiting it.

Take, for example, a Scottish study, at the University of Aberdeen in Scotland, looking into repair of the cornea (in the eye). In a healthy eye, cells pump positively charged ions into the cornea and push negatively charged ions out, creating an electrical potential of 40 millivolts. But in damaged areas this voltage disappears, setting up an electric field between the damaged area and the surrounding corneal tissue. By enhancing or diminishing this electric field, scientists found they could speed up or slow down the rate of healing.

The conclusion: the electric field is the primary driver of the healing process. As one of the researchers stated, it’s a big step forward to realize that fields play an important part in healing. They are just so far behind the pioneers in this!


As you are probably realizing, vision does seem to diminish uncontrollably as we age but there is something that we can do to reverse even the seemingly most catastrophic eye problems through nutrition and through micro current therapy. In the following pages, we will cover many diseases of the eye and how to address them.

Healing Eye Diseases

Could your vision be related to how well your body makes stomach acid? The answer would be a resounding yes if you have the knowledge that cells are composed of amino acids and to make cells you need to be able to transform the protein you eat into cell sustaining building elements. And to make stomach acid, you need Iodine, zinc and vitamin B1. To absorb zinc and many other substances requires stomach acid and lots of it. Many people as they age, have a shortage of stomach acid and complain of digestive problems that only seem to resolve when they take a teaspoonful of apple cider vinegar. Thus you must take betaine or apple cider vinegar with your zinc so it will be absorbed. The next step is to get the amino acids, vitamins and minerals into the cells themselves, and that requires fulvic acid. As a nutrition supplement, fulvic acid can be found in a liquid form as a component of mineral colloids. Fulvic acids are poly-electrolytes and are unique colloids that diffuse easily through membranes whereas all other colloids do not. According to the International Humic Substances Society all fulvic acids are colloids. Attempts to synthesize fulvic acids have failed. Fulvic acids are the best way to supplement your body with the minerals you lack because of months (or longer) of deficiency caused by a failing digestive system. Once you have this organized you will need a proper blend of essential oils to complete the function of the body’s communication system. Omega 3 oils (not fish oils) are a good start and much has been written about them in the last 5 years. (See next page for more)
The Bowling Ball Syndrome and Glaucoma (sound familiar?)

This syndrome was first described by Dr. Robert Boyd, an Osteopathic physician, from Ireland. Boyd described the head as a bowling ball and because of its heavy weight the bowling ball will shift to keep the head in balance. When there is injury to the neck or skull this trauma can cause a misalignment of the head resting on the atlas or the top cervical vertebra. This change in position can affect the flow of cerebral spinal fluid and even block the craniosacral pump. Many problems have been linked to the abnormality including chronic headaches, sinus infections, Tempromandibular Joint Syndrome and blockage of the optic canal which leads to glaucoma. Dr. Boyd developed a complex osteopathic manipulation to correct this defect, but this technique was limited since it required advanced osteopathic skills.

Little Wings and Stimulation of the Trapezius Muscles

Core training teaches you how to use this time tested intervention to release the pressure on the optic nerve by relaxing the trapezius muscles. The abnormal position of the head is quickly corrected in a few minutes. Other benefits include an increase in blood flow to the brain, and a decrease in overall stress as well as an alignment of the atlas and the lower extremities. Of course this is not considered a cure for Glaucoma but it does address the causes of the disease.

To do the “Little Wings” protocol, set your device to ACUTE. Using the Y attachment makes this easy though you could use the plates on the back of your device. Bring up the power gradually until the shoulder has an uncontrolled urge to rise on its own.

Clients usually respond in one of three ways:
1. Laugh uncontrollably
2. Sob
3. Become very irritated (loss of control)
Imagine This-

Imagine measuring the electrical difference between the right hand of the individual and the left hand - AND measuring it down into microamperes (millionths of an amp). Then imagine doing this with a device using a light and a mirror for such extreme sensitivity - AND now imagine doing this 100 years ago!

Imagine changing lives of the sick and injured by simply “adjusting” the electrical difference between the hands being enough to restore health and wellness.

Imagine not wanting to publish these findings because you know the criticism you would receive from the “mainstream” medical community.

Today, the knowledge of a negative and positive side and even negative and positive fingers is practiced by certain therapeutic modalities in the west, as well as in Eastern Medicine, but it nevertheless remains widely unknown and such awareness in “mainstream” medicine approaches absolute zero with the very idea found as either laughable or absurd - or both.

Imagine a Professor of Anatomy at Yale University School of Medicine designing a new form of Voltmeter and then discovering he could identify the moment a woman began ovulation because he was able to measure the bio-electric change in the body at the precise moment of ovulation. Imagine he did this over 50 years ago and more than likely you never heard of this before!

Imagine the discovery that there is a weak electrical difference between the surface area of a person’s teeth and the saliva in their mouth and that this electrically charged difference enables the remineralization of tooth enamel as it promotes calcium deposits in pitted areas initially caused by eating acidic foods or drinks.

Now- Imagine and consider what might happen in the related arena of arteriosclerosis were this to be studied in more depth. Consider that this “bio-electrical” connection was documented 40 years ago and reported in the Annals of the New York Academy of Science, yet the world of medicine is more focused on using chemicals to treat cardio-vascular issues than they appear to be in finding a resolution to those issues.

If you find the above incidents compelling and eye opening, then you will want to read more of the history behind Applied Electrophysiology. You can do that by going to www.AcademyofAppliedElectrophysiology.com and click on link for Violet Ray where we have now posted the first 6 chapters of a book written about the history of using electricity to heal.

A special thanks is offered to Dr. John Bond, DDS and Academy Director, for introducing this history to the Academy members. His contribution, research and knowledge and dedication to researching Applied Electrophysiology/ bio-electrics/ electrical medicine enriches us all.

Next newsletter we will introduce another segment of the history behind applied Electrophysiology- so enjoy and anticipate- Academy
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One More Environmental Factor to Worry About?

"Mobile firms face lawsuits
by PAUL KENDALL, Daily Mail
Some of the world’s largest mobile phone companies are facing billion-pound lawsuits brought by brain tumor victims. The biggest ever legal assault on the industry will seek to prove that handsets can cause cancer and that firms have deliberately covered up crucial medical information.
If the American action is successful, mobile phone companies will face crippling bills for compensation. As investors digested the news, the four major UK operators - Vodafone, BT Cellnet, Orange and One 2 One - and their parent companies, saw £5.5 billion wiped off their share values.
Vodafone, in particular, was said to be a potential target because it owns 45pc of the firm Verizon Wireless, which is said to be named in nearly all the lawsuits" http://www.dailymail.co.uk/health/article-11519/Mobile-firms-face-lawsuits.html

Why not use EMFs to enhance life?

A Dutch Company by the name of Floww International have come up with a way to use existing Electro Magnetic Fields to increase the body’s defenses against fields that have gotten rather invasive and dangerous.
The Academy has procured an impressive discount for its members (25%). Simply click on the link www.floww.com
Once on the site, click on “Webshop”, (choose language above) choose your Floww protective products then click on the shopping cart— Enter coupon code “academy” and checkout.

The Science behind Wild Divine

Dr. Bob Whitehouse is a psychologist certified in biofeedback, and former board member for the Association for Applied Psychophysiology and Biofeedback:
“Active (Bio) Feedback uses electronic equipment to monitor internal physiological states and gives feedback that helps the recipient learn how to control these states; To activate, balance, release or to recover from them. Usually this also involves a coach, who guides the process, interprets the results, and makes suggestions. In the Wild Divine programs however, the guide/coach is included in the programs & games, and the program itself gives you personalized information about your progress.”

Wild Divine measures a player's Skin Conductance Level (SCL) and Heart Rate Variability (HRV). Increased SCL indicates increased autonomic nervous system activation, which is associated with increased energy-both positive, like excitement, and negative, like fear (Call Dr. John Hache to learn more about the special offers the Academy has procured for its members when purchasing the “Wild Divine” computer interface.) 1-250-338-1885 or info@avazzialife.com. You may want to ask about signing up for the next Board Certified Biofeedback Training to be held soon in Burleson Tx.