

1-1 OVERVIEW AND HISTORY

*“To accept or reject a new idea
without investigation
is the height of ignorance”*

Yolanda Neely

It is unfortunate that most folks come to learn of electronic or resonant frequency technology only after periods of suffering illness themselves, or their close friends or family. Typically they hear of these methods of treatment after many years of failed or otherwise unsuccessful conventional medical treatment. We’ve witnessed, almost without exception, it is the “already very sick” (or those close to them) or the “already very inquisitive and health-conscious” who are the ones examining methods to ensure or maintain their health, typically via preventive means. The first group has very likely experienced much pain, suffering, and unpleasant health instances via conventional allopathic medicine (i.e. toxic pharmaceutical medications, surgery, therapy and a host of invasive procedures and examinations). They have typically undergone some improvement at times but in general only have a marked and measurable decline in overall health. The latter group is typically composed of very health conscious, prevention-minded and enlightened persons seeking a non-invasive, non-pharmacological, and more NATURAL solution.



*Dr. Royal Raymond Rife a
20th Century Pioneer in
electronic and resonant
frequency therapy*

These are typically two very different types of people trying to find the same path to good health. We believe this wide diversity can be explained primarily by the path medicine in the U.S. has taken this last century along with the indoctrination we, in western cultures, essentially have had since birth.

From birth we are given mandatory vaccinations and have grown up going to the doctor whenever we get sick or have health problems. Rather than learning about the problem or understanding its nature, we have typically been taught to dump the problem in the doctor’s lap, effectively transferring the responsibility to him. In most cases, this is encouraged. The doctor prescribes a magic pill, gives a magic shot, or otherwise dispenses that “magic bullet” and all is hopefully better until you return for the solution to the next complication; which may likely even be related to, or a result of a previous visit. The cycle continues into adulthood and unfortunately may never be recognized or the cycle not broken until it is too late to change. If one was quite fortunate when growing up, they had an excellent doctor or doctors that truly practiced the Hippocratic Oath. In the last 50

years or so, however, western medicine has seen dramatic changes. The western allopathic doctors that once practiced a “healing art” are now guided primarily by mandated protocols, procedures, and business and liability concerns. This is what has become known as the “business of medicine”. Regardless of the inner compassion and concern of the treating physician, the “business” of medicine today apparently does NOT always put the patient first. The level of overall quality of available health care has drastically been reduced to a point that it should be a serious concern to us all. We are also to blame for allowing it to happen through our failure to demand or seek “alternatives” earlier, and because we simply followed what the “medical fraternity” had offered or desired.

When you couple that mindset with the fact that few patients, or even doctors, really understand the electrical and frequency relationships of the human body, there's little wonder that they can barely comprehend how some seemingly exotic plasma device can have a distinct effect. Unfortunately our education system has failed miserably in providing an environment to produce inquisitive minds. In fact, it has instead produced a base of people largely afraid of the sciences and a populous that feels personally isolated from the science or inner-workings of the various processes going on all around them in their daily lives.

As already mentioned, medicine in the United States during the last century has had the expectation of a person going to the doctor. He prescribes medicine or performs some sort of operation, and the person is healed. This has been the pattern for health care for many persons since birth. Examples of this indoctrination go beyond regular trips to the doctor in real life. They continue with the glamorization of conventional medicine through the media, including novels, movies and television.

Because of this lifelong indoctrination and these expectations, most individuals do not ever really learn, question significantly or truly understand their problem(s). Many also never understand the underlying causes of illness, the treatment they will go through and especially the unrevealed and hidden long term implications of a prescribed treatment. People are very rarely enlightened by their professional health care provider of ANY alternative or less invasive possibility.

Many people who love sciences and physics may be quite intimidated by the mathematical aspects until it is realized that the math is only a language. It is used to more explicitly describe or define observations and occurrences. When one strips away the intimidating aspects of the math, one can begin to appreciate, as Zukav² described, "patterns of organic energy" which will be brought up again later in this article. As one examines the topic, and the science, these fundamental concepts appear too often to be ignored or dismissed. We will revisit this in later chapters.

² Zukav, Gary, *The Dancing Wu Li Masters*, 1979, William Marrow & Company

Electro-Medicine Through the Ages

Electro-medicine has been with us for ages. Records show that as far back as 46 A.D. the Greek physician Scribonious Largus prescribed the “seashore treatment” for patients who suffered from acute pain. For the treatment, the patient placed a foot on a species of fish which used mild electricity as defense (the electric eel) and the other foot on wet sand, thus completing the electric circuit.



Marbled Electric Ray (Torpedo mamorata) can produce shocks to incredible 220 volts at 8 amps (enough to stun a grown man)

Early developments in electroanalgesia³ predate recorded history yet show up throughout the writings of mankind.

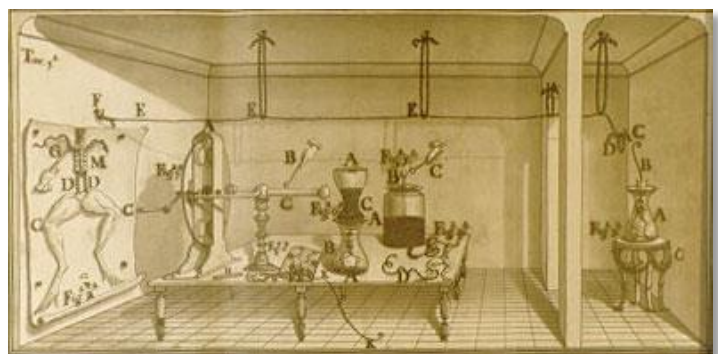
The origins of electrotherapy and energy medicine are not known. By 9000 BC, bracelets, necklaces, and magnetic loadstones were already in common use; being worn or applied for healthful intentions. [Schechter 1971]

Egyptian tombs dated back to around 2750 BC give us the first recorded evidence of man’s acknowledgement of the unique attributes of the fish. Ironically, the first mention of using this rather unique fish was in 4th century AD in a hieroglyphic Hippocratic writing. The writing concerned the ease of digestion of this fish for the undernourished and emphasized a “natural” therapy approach. [Kellaway 1946] This logical and natural approach is far from the heavy-handed pharmacological direction we have come to know as allopathic medicine.



Luigi Galvani

Most of us are well familiar with the Italian anatomist, physician and surgeon Luigi Galvani and his stimulation and activation of frog legs with an electrical current during the latter half of the 18th century. Not many realize that what was most important yet widely forgotten is that the frog’s leg muscle could be stimulated from a distance by a spark produced through a static generator. While misunderstood then, this simple concept is a very important foundation for some of the concepts of our area of study. Galvani realized that at least some of the electricity he was observing was being generated within the tissues themselves.



His historical experiments established the basis for the biological study of neurophysiology and neurology. He is also credited for largely creating the science of electrophysiology – the study of the

³ Gadsby, Dr. Grodon –*Electroanalgesia: Historical and Contemporary Developments* (Selections from the PhD Thesis)

connection between living organisms and electricity.

Nineteenth century texts show wide use of electrical medicine – even use with storage batteries providing continuous or pulsating DC current. Frequency, wavelength, duration and current output were said to have been erratic at best. By 1900, almost every medical professional had some form of an electro-medical device in his place of business.

Tesla and the 20th Century

Few people today realize the genius Nikola Tesla had both a private and very public interest in the benefits of electro-medicine. This absence of general knowledge may be due, in part, to the fact that the written documentation does not exist in the United States, but in his home country of Serbia (formerly Yugoslavia).

Only few people throughout history ever produced the technology to so profoundly change our culture or invent offerings that could potentially devastate the business powers of the day. What's more, there are fewer who have made such accomplishments or exhibited such a possible threat to the status quo as did those individuals we are about to discuss.

We know today that radio, television, robotic control, and the methods by which our power is generated and delivered to us is largely due to the genius of Tesla.



Nikola Tesla

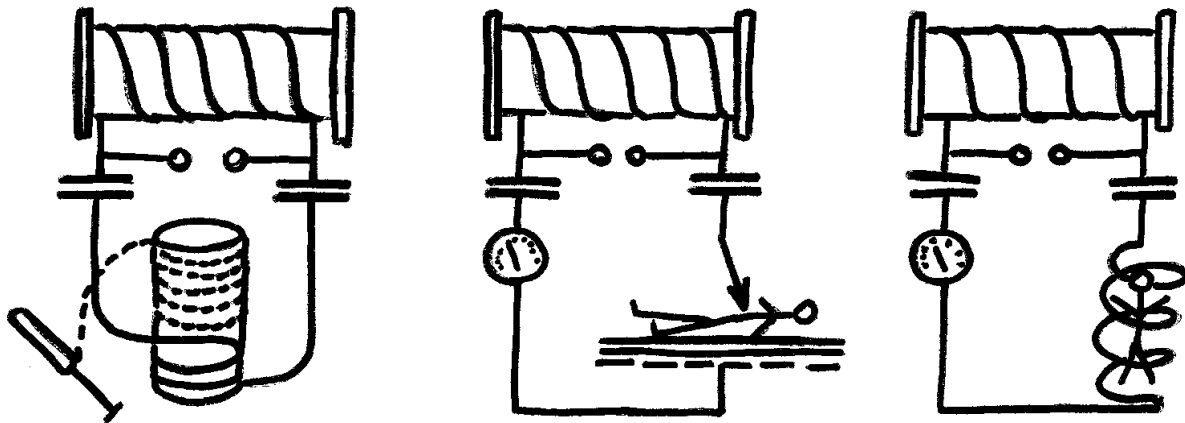
"Tesla's ingenious invention of polyphase system as well as his explorations of the amazing phenomenon of high frequency oscillations were the basis for developing completely new conditions for industry and radio communications, and had a profound influence upon the whole civilization. With the greatest awe one can not help wondering how Tesla could achieve such a success and exert so great an influence in the countries which at that time were most developed both in the field of science and industry, and not in the country in which he was born and in which he grew up and from where his exploring and independent spirit originated."

Physicist - Niels Bohr

While Tesla's most public work was largely focused on the frequency-based transfer of energy, the business implications and potential for drastic cultural change may have been one of the primary causes which limited his work. Few people today are aware Tesla also was applying these physics and concepts to medical and health related purposes.

Tesla began giving lectures and writing publications beginning in 1891, making it evident he was one of the first to employ radio frequency and electrical currents in a logical and safe manner for the therapeutic heating of tissue. Tesla found that radio frequency currents could be produced in tissue by the use of induction coils as well

as by the capacitive technique where the patient acts as the dielectric of a condenser.⁴ Both of these modalities are currently employed in conventional cancer treatment. Tesla went on to suggest that these currents could be used for other medical purposes including the sterilization of wounds, stimulation of the skin, anesthesia, and surgical incisions.

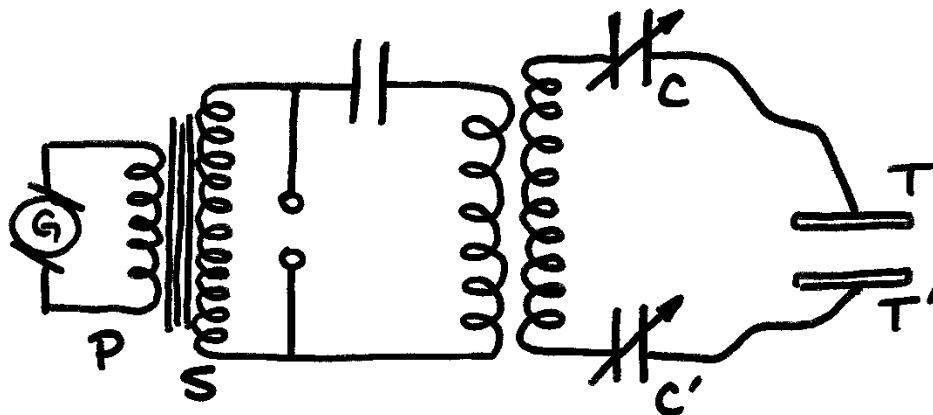


a. Sterilization

b. Electro-Surgery

c. Whole Body Heating

Prior to his lecture before the American Institute of Electrical Engineers in May 1891, Tesla had already discovered that otherwise fatal alternating currents could be tolerated by the body when the frequency was above 10,000 Hz; often without even delivering the sensation of shock. It was at this time he formally predicted the medical potential for this phenomena and technology.⁵ He later delivered lectures on the “electrotherapeutic” nature of the technology including oscillator design, both capacitive and inductive coupling, and even direct contact electrode application.⁶



Simplified Tesla diagram indicating a tuned coupling via a contact method of application.

⁴ McGinley, Ph.D, Patton H., *Tesla's Contributions to Electrotherapy*

⁵ Tesla, Nikola. “Experiments with Alternating Currents of Very High Frequency and Their Application to Methods of Artificial Illumination,” lecture delivered to the AIEE at Columbia College on May 20, 1891

⁶ Tesla, Nicola. “High Frequency Oscillators for Electrotherapeutic and Other Purposes,” lecture delivered to the American Electro-Therapeutic Association, Buffalo, September 13, 1898



Arsene D'Arsonval

A Frenchman, Arsene D'Arsonval, at about this same time, made similar discoveries and announcements before the Society of Biology in Paris.⁷

“I am convinced that the therapy of the future will employ heat, light, electricity and agents yet unknown. Toxic drugs shall cede their place to physical agents, the employment of which at least has the advantage of not introducing any foreign body into the organism”

Arsene D'Arsonval - 1896

Violet Ray - To the 20th Century

With the increasing availability of commercial electricity in the late 1800s and on into the 1900s, a myriad of electronic devices made their way into common use. Few practicing physicians were without some electronic device for office therapy. Many of these same devices were also available for home and private use.



Royal Raymond Rife

Resonant frequency therapy and experimentation by no means originated with Dr. Royal Raymond Rife.

However, as with most major developments in science, there were at least one or more related advances, a mixing of minds and individuals present and emerging technologies. In the case of Rife technology there was his universal microscope capable of fantastic resolutions.



Perhaps the best brief overview of Rife's work to date can be found in Gerry Vassilatos' book *Lost Science*.⁸ His entire chapter 5, "Ultra Microscopes and Cure Rays: Dr. R. Raymond Rife", presents perhaps the clearest layman's overview and relationship of Rife Technology to his microscope.

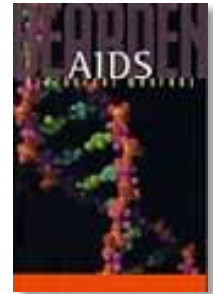
⁷ D'Arsonval, A. "Sur les Effets Physiologiques de l'état Variable et de Courants Alternatifs;" Bull. Soc. Internat. Electro, April 1892.

⁸ Vassilatos, Gerry, *Lost Science*, 1999, Adventures Unlimited Press

Vassilatos’ narrative emphasizes the significance of Rife’s extensive technical background and his realization that “What we cannot see, we cannot battle.” Rife succeeded in developing a super microscope capable of seeing viruses and pathogens never before witnessed in their LIVING state. This “new” environment made possible the real time observation, documentation, and cataloging of viral and pathogen destruction while exposing the subject to short duration electro-impulses. Vassilatos aptly stated:

“Dr. Rife had developed and implemented what no contemporary medical research group has ever conceived ... and was prevented from doing so ever again on American ground.”

Probably the best technical overview can be read in Tom Bearden’s book, *AIDS – Biological Warfare*⁹. It is certainly beyond the scope of this document to even attempt a technical summary of Bearden’s description. Nor do we believe we could really do it justice. We do, however, highly recommend this book for anyone who has a serious interest in Rife’s work from a technical perspective. Bearden aptly puts in these few brief passages, probably the best summary of Rife’s accomplishments:



“In the 1930's and 1940's, Royal Raymond Rife revolutionized everything that has been done before or since in high resolution optical microscopy.

He also revolutionized everything before or since in cellular biology. He carried cellular structure far beyond anything ever dreamed of at the time or presently. He revealed the direct connection between organized living energy forms and organized biological systems. He revealed that life itself is organized and dynamic, to a far finer level than anything in the textbooks today. He revealed that our present theory of disease is fundamentally very, very wrong.

He produced direct, economical, electromagnetic cures of cancer, leukemia, and other such debilitating diseases. His work presages a future mankind could have had, where most debilitating diseases were quickly and economically corrected, and where no poisonous drugs, violent nuclear irradiation, and harsh chemotherapeutic "burning" of the patient would be necessary. “

⁹ Barden, T.E., *AIDS – Biological Warfare*, 1988, Cheneire Press

