

Mini E-Book 1

THE MEDICINE OF LIGHT, PART I



Royal Rife Ray Tube 1939

Dr. Bernard J. Fleury

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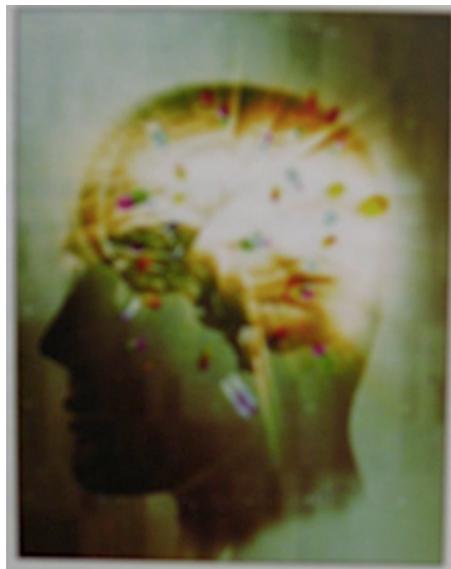
Chapter I The Mind-Body-Spirit Connection in the Medicine of Light

The work being done on light in theology as reflected in the Bible and Judaeo Christian tradition, philosophy, physics, medicine and near-death experiences is directing us to a revolutionary breakthrough in terms of a new model – a new approach to reality. Progress in all of these areas of human curiosity is being driven by brilliant and original insights into the very nature of the foundational stuff of the universe – light – an elusive, pervasive, something or someone!

This new approach to reality sees the **Mind – Body – Spirit** connection as an essential insight if we are to even begin to comprehend the inner and outer worlds that together reveal to us what exists – what is truly real.

In my book *Called into Life by the Light* I have utilized the Mind – Body – Spirit connection as the basic framework for presenting the human experience of light in the Bible and Judaeo Christian tradition, philosophy, physics, medicine, and near-death experiences. Light is the ultimate stuff of all that exists as both a something and a someone, calling each of us into life.

If light is indeed the foundational, basic stuff of all that exists then it is easy to understand why light based medical technologies and medications are the most effective and the **non-invasive** form of medicine practiced in the early twenty-first century. They are utilizing the basic constituent element of the universe – light – in one or another of its many forms.



Diagnosis and Treatment of Neurotransmitter Imbalance

Long before I was involved in a serious study of the phenomenon of light, I recognized in myself an intense sensitivity to light in all its forms. From my recollection of the early years of my life, my sleep patterns have always been highly affected by light. Even if I had been sleeping for eight hours or so before the time of my rising, if the rising time was prior to natural daylight I found it very difficult to get out of bed and still do. As I am aging into my mid-seventies my body clock winds down sooner at the end of natural **daylight** but awakens as soon as natural daylight comes streaming into my bedroom window.

I have always wanted to be in natural daylight as much as possible during the day either outdoors, or if indoors, working by a window with abundant natural light. My career as a public school teacher, principal, and college professor found me maximizing natural light in my classrooms and requesting office space with abundant windows as sources of natural light. I seldom turned on the artificial lights, which were either incandescent or limited spectrum florescent, until forced to do so by natural darkness when my work schedule kept me there past the end of daylight. I have always felt good in the light. It has been a lifelong medicine for me.

In 1993, due to a persistent “lazy eye” condition in my right eye and the beginning deterioration in acuity of vision in my left eye, I sought a new **phototherapy** treatment recommended by my Optometrist, Dr. Earl Lizotte, who had been working in the field of Syntonic Optometry since the late 1980’s. It was during this treatment that I was told of the work of Dr. Jacob Liberman and made aware of his book, *Light Medicine of the Future*. Dr. Lizotte was also exploring the work of Arthur Zajonc on the history of light as described in Zajonc’s 1993 book, *Catching the Light*. Zajonc is a Professor of Physics at Amherst College and a specialist in Quantum Physics.

These two works filled in the missing pieces of my own study of light that had formally begun with my initial work on the writing of Pierre Teilhard deChardin in the mid 1970’s.

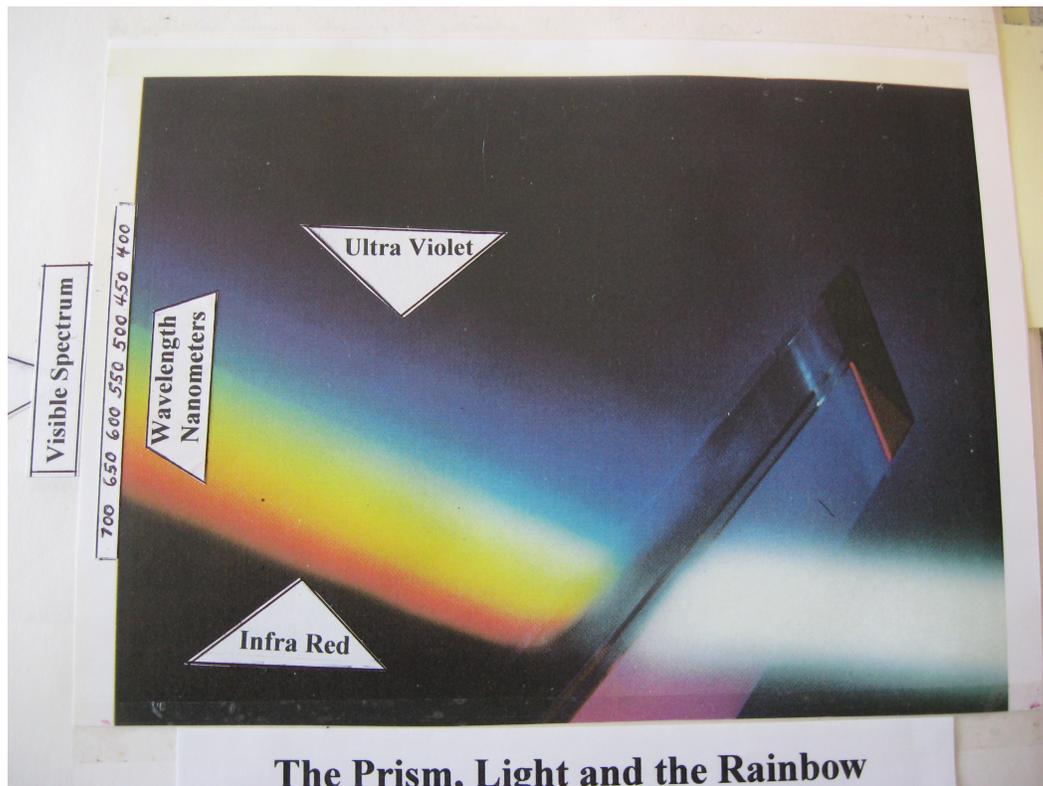
Teilhard de Chardin was a Jesuit priest, scientist, and philosopher, who along with Zajonc and other interdisciplinary synthesizers see science, theology, mysticism, religion, and ecology as fundamentally interrelated. Each of these areas reveals a different aspect of reality. Collectively they give us the most complete picture of reality we can attain.

With the addition of near-death studies, the scope of *Called into Life by the Light* came to completion in 2006. My research on Light as a Someone and a something continues.

The Mind–Body–Spirit connection in the **Medicine of Light** originates and is confirmed in the work of synthesizers such as Arthur Zajonc and Pierre Teilhard de Chardin. It is my basic approach to reality in this initial article on the Medicine of Light, and in a series of articles on specific applications of light based technologies, therapies, and medications.

Chapter II Light: The Energy Medicine of the Present and Future

In the Forward to Jacob Liberman's book, *Light – Medicine of the Future*, John Ott, a pioneer in the field of photobiology, asks the question, "Are we to totally discount our own abilities to see, hear and feel our everyday experience, trusting only the findings of others who differ from us in their view of reality?" (1) The "real" is often hidden beneath the exceptional. The optical illusions researched by Goethe were accurate illustrations of the behavior of light. We must be open to new insights. Present day scientific methods are not eternal. They do not have the final answer and so cannot be allowed to be an absolute norm for what is scientific. Jacob Liberman is an Optometrist and also holds a Ph.D. in vision science that he received for his pioneering work in phototherapy. He worked out of the Aspen Center for Energy Medicine in Aspen, Colorado, where he was president of the College of Syntonic Optometry, and also of Universal Light Technologies Limited, a company that researched and developed photo therapeutic devices for healing. As the year 2008 begins he lives in Hawaii and continues to do extensive personal consultations. His approach integrates scientific research, clinical experience, and his own intuitive insights. The college that he led has advocated the use of light therapy by way of the eyes since its inception in the 1930's. His own painful life experiences led him to a number of insights. First of all, he states that most of what life reveals to us comes when we are not looking for anything specific. In fact when we are too specific, too narrow in terms of what we are looking for, we tend to miss everything we were not looking for. "People are meant to see passively not actively....our eyes are meant to see for us, if we let them...vision is meant to be effortless." (xx) As a result of this insight he stopped wearing glasses and began to actively experiment with the workings of his mind, especially with the integration of mind and eyes, the relationship between the inner and the outer light.



The Prism, Light and the Rainbow

In 1977 he learned of a specific form of light therapy called Syntonics that “therapeutically utilizes different portions of the visible light spectrum to treat, by way of the eyes, an array of bodily conditions.” (xxi) He attended a course at the College of Syntonic Optometry and thus began his life’s work. Liberman concludes the Preface to his book with a concise statement of the basic assumptions upon which his book is written: “Our task is to take in and utilize light so that we may merge with our true selves and our destiny, thus facilitating the healing of our planet. As each of us becomes whole we radiate light – light from within – unimpeded by our self-imposed emotional and physical blocks. The medicine of the future is light. We are healing ourselves with that which is our essence.” (xxii) His book is all about the science of light, a science that synthesizes scientific knowledge, intuitive knowing, health and personal evolution. Liberman uses the term “science” in its original Latin derivation, that is, “knowledge” and he includes induction, deduction, and intuition as all equal and reliable ways of knowing. He appears to rely most heavily on intuition as the beginning of the scientific process. That is not an unusual stance. In the late nineteenth century, the great philosopher and educator, John Dewey, wrote that all knowing, all science, begins with a hunch, a felt need, an intuition. Further thought and refinement of that hunch results in one or more hypotheses which are then

experimentally affirmed or rejected by means of the remaining steps of the scientific method. Liberman maintains that the synthesized nature of the science of light provides a new paradigm in healing. He writes that light is at the core of the new “energy medicine” (healing light energy) of the late twentieth century. ...“light is the basic component from which all life originates, develops, heals, evolves...we are about to see a new marriage between the ‘intuitive’ and the ‘rational’ sciences – a marriage that is bonded by light...Miracle after miracle has convinced me that this science of the future is an investigation of inner space rather than outer space.” (xxv) We are seeing this new marriage in 2008. Endnote 1. Jacob Liberman, *Light-Medicine of the Future* (Santa Fe, New Mexico: Bear and Company, 1991) p. xxv. This and subsequent direct references from this work are reprinted by permission of Inner Traditions International, Rochester, Vermont.

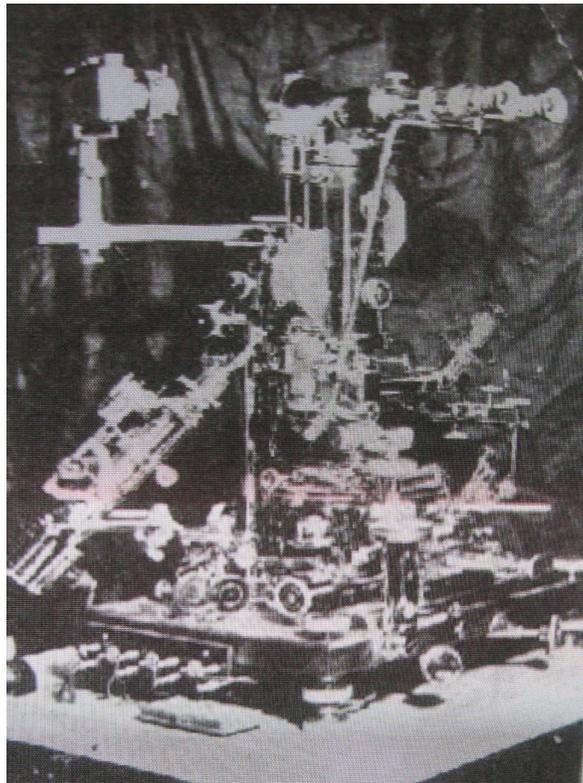
Chapter III The Medicine of the Inner and Outer Light in the Human Photocell

That the human body is a living photocell, energized and controlled by light entering the eyes is one of Liberman's basic and innovative assumptions. 1 Once this light enters the body it has a profound effect on both our physiological and emotional functioning as well as the development of our awareness. Our lives are truly dependent on the sun and the small portion of electromagnetic waves that reach our planet. The approximately one percent of these waves which reach us and are visible, are essential to proper human functioning and evolution. Liberman repeats physicist David Bohm's postulate that "all matter is frozen light." Light is all in all, the basic stuff of the universe that manifests itself in a variety of forms. He joins Teilhard de Chardin and Arthur Zajonc in asking whether the evolution of humans both individually and collectively, has basically been dependent on our ability to receive and to make use of both the inner and outer lights, the "within" and the "without", the spiritual and physical. As both Teilhard and Arthur Zajonc have stated, the inner light is crucial because it gives meaning to what we physically see. Liberman describes the eyes as the windows of the soul because our eyes provide the means for the interrelationship of the world without and the world within. We meet persons and objects and show how we feel with our eyes. Our eyes reflect our physical and emotional health by serving as an index of many different physical health functions or conditions, and are accurate indicators of mental states and styles of operation. The eyes serve as the major gateways through which light enters and affects the body's total functioning including consciousness. The Gospel of Luke relates: "The light of the body is your eye, when your eye is clear, your whole body is clear, your whole body is also full of light; but when it is bad, your body is full of darkness." (Luke 11:34) The present-day clinical science of iridology, which many still consider pseudoscience, is based on the assumption that the iris of the eye is a real map of the body; that each section of the iris correlates with a specific part/organ of the body. Liberman cites the findings of a group of Russian scientists, reported in 1989, that found a one-hundred-percent correlation between the diagnosis of their iridodiagnostic technique and the actual physical conditions of their subjects. It is very interesting to note that the principal conveyors of light to us are really extensions of our brains, the most complex (most parts) of any currently known human system. Brain and eye weight is two percent of our total weight but they require a quarter of our nutritional energy, a major part of our oxygen, Vitamin C, and zinc intakes. Our eyes contain seventy percent of the body's sense receptors, and except in the case of totally blind persons, provide access for approximately ninety percent of all we learn in our lifetime. (16) As we have already noted, modern science is looking

at the eyes as the "gateways of the mind." Liberman believes that specific mental patterns are directly related to the functioning or dysfunctioning of the physical eye, and light has a direct effect on our mental states.(18) Light is the principal nurturer of our bodies having a vital effect on our physical and emotional functions. Although hypothesized and tested since the late 1800's, it wasn't until the early 1970's that it was finally proven definitively, that when light entered the eyes, it just didn't only affect seeing, but also affected the brain's hypothalamus, which in turn is the coordinator and regulator of most of our life-support functions. It also initiates and directs our reactions and adaptations to stress. (22-25) The Greeks and other ancient civilizations knew this and practiced it in their medicine. Now we have scientifically confirmed that the nervous and endocrine systems are directly stimulated and regulated by light to an extent not accepted, until recently by modern science. (22) Endnote 1) Jacob Liberman, *Light-Medicine of the Future* (Santa Fe, New Mexico: Bear and Company, 1991) p. xxv. This and subsequent direct references from this work are reprinted by permission of Inner Traditions International, Rochester, Vermont. 2) Liberman, *op.cit* p. 14.

Chapter IV A New Light on Cancer

There are a number of light centered applications that reinforce the mind-body-spirit connection in the medicine of light. In his book *Light – Medicine of the Future*, Liberman writes that we must expand our vision regarding the purpose of light. It is much more than illumination for our environment. It is “potentially one of the most disease-prevention tools at our disposal.” (1) In a “leading edge” paper written by engineer and inventor David Tumey and his associate, William Sheline, entitled “Royal Rife Revisited: Reconstruction of the Original Rife Ray Tube,” the authors describe a fascinating piece of equipment and its related therapeutical uses.



Rife Optical Microscope

Royal Raymond Rife (1888-1971) was an accomplished scientist and microbiologist who developed an optical microscope that could provide magnifications, and resolutions heretofore unheard of... The major difference between visible light and electron microscopy is that by its nature, electron microscopes destroy the microorganisms while viewing them. Rife’s major advantage was that he could image living virus and other microorganisms and observe them in their natural state... It is argued that Rife was the first person to empirically prove that viruses and bacteria are pleomorphic forms. Pleomorphism is the phenomenon by which one distinct life form mutates into another. Rife basically classified pathogenic disease causing bacteria into ten individual groups. Rife demonstrated that any organism within its group could be transformed

morphologically into any other organism within the ten groups by carefully altering the media (light) in which it was cultured. Of course this discovery contradicts modern microbiology which teaches that a bacteria's morphology is fixed and Unchangeable. (2) (Italicizing is mine) Rife also discovered techniques for successfully culturing cancer virus. The virus he identified as BX and it was noted that the viruses refracted a purplish red color with a monochromatic beam under his microscope. In fact, Rife discovered that each organism depending on its state would refract unique spectra and have distinct coloration. By the late 1920's and early 1930's Rife discovered that by irradiating these pathogenic microorganisms with specific frequencies know as MOR's for Mortal Oscillatory Rates, he could cause them to devitalize either by interrupting normal cytologic function or by inducing them to mutate into a non-pathogenic form. (2) The authors go on to relate how Rife developed his original list of MOR's by manipulating the dial of an audio frequency that had the ability to devitalize a particular organism. By the mid 1950's he had developed a list of fifteen frequencies and the fifteen viruses they devitalized. The viruses on the list included Tetanus, Treponema, Gonorrhea, Staphylococci, Pneumococci, Streptothrix, Streptococci, Typhoid bacteria, Typhoid virus, Bacillus Coli Rod Form, Bacillus Coli Virus, Tuberculosis Rod Form, Tuberculosis Virus, Sarcoma (all forms?), and Carcinoma (all forms?) (3) (The question marks are Stafford's). Royal Rife Ray Tube 1939 Tumey and Sheline describe how they went about reconstructing the Rife Ray Tube. In the conclusion of their paper they indicate that the next logical step might be to repeat the laboratory studies of Dr. Stafford and others whose work utilizing Rife's MOR list in treating the associated viruses resulted in some amazing results as reported in Stafford's paper, "Electromagnetic Field Therapy" (1963). In the conclusion of his paper Dr. Stafford writes: Having worked with the specifically related field modality for the past six years, I am convinced that there exists some effective force in this form of therapy. This modality seems to exert some modifying force on the animal and human body... If Mr. Rife's theory is right, then a method must be developed to isolate the offending organism in each specific case and find the exact frequency which causes that organism to disintegrate. These facts should be determined before treating each patient in every instance. With data of this sort available for each specific case before treatment, more consistent results should be obtained. To date, we are merely using data developed by Mr. Rife years ago. We only can hope that we are approaching the critical resonant frequency of the suspected pathogen. This is a very blind and unscientific approach, admittedly. Perhaps with adequate research, these weaknesses may be overcome. (10-11) Endnote: 1 Jacob Liberman, Light-Medicine of the Future (Santa Fe, New Mexico: Bear and Company. 1991) p. xv.

This and subsequent direct references from this work are reprinted by permission of Inner Traditions International, Rochester, Vermont. 2 David Tumey and William H. Sheline, "Royal Rife Revisited: Reconstruction of the Original Rife Ray Tube" (Ohio, a paper written by the aforementioned authors describing their years of work researching and reconstructing a working replica of Royal Rife's Original Ray Tube Apparatus, 1994) pp. 1-2. Used with permission of David M. Tumey who sent the paper to me. 3 Robert P. Stafford, "Electromagnetic Field Therapy" (Dayton, Ohio: paper describing Dr. Stafford's investigation of the data developed by Royal Rife. Investigations took place from 1957-1963), pp. 10-11. Reported in Tumey and Sheline's paper cited under #2.

Chapter V A New Light on Cancer: Royal Rife Ray Tube, and MORS in 2008

The revised edition of my book *Called into Life by the Light* was published in late July of 2006. Just before Christmas 2006, I e-mailed David Tumey for an update on what had happened since his and Sheline's original work on the Royal Rife Ray Tube in terms of developing a method for isolating the offending organism in each specific case and finding the exact frequency which causes that organism to disintegrate, and being able to do so in a more precise and time efficient manner. On December 22nd he e-mailed the following response together with a power point presentation that shows the system and it's components and how it works, as well as the real data collected from some experimental subjects. Mr. Tumey wrote: "With regard to the "detection of Mortal Oscillatory Rates (MORs) in vivo, after Rife perfected his light-heterodyning technique for imaging live bacteria viruses microscopically, he next discovered that a radio frequency (RF) plasma (light) could destroy the pathogens if it was modulated at a resonant frequency. This frequency he called the Mortal Oscillatory Rate or MOR. To discover frequencies that had the desired destructive effect on a given targeted pathogen, he would observe the bug under his microscope while he painstakingly tuned a frequency generator until devitalization was observed. He would then repeat these experiments until a precise MOR could be determined. These were the treatment frequencies he used as part of his therapy. He developed his cancer-fighting protocols through this technique having discovered that certain forms of cancer could be transmitted via a filterable virus — a virus that could be destroyed in vivo if a patient was exposed to this properly modulated RF plasma energy field. The question of course is: Is there a more efficient way to obtain the MOR frequencies, and further, can the MOR frequencies be obtained in vivo? In the late 90's, early 2000's Dr. Lu Lala of Dayton OH began work trying to solve this problem. Dr. Lu is a Chiropractor and had been practicing medicine for his entire adult life. He used to work with instruments called galvanometers and Pico ammeters used in measuring small electrical potentials and currents. As a chiropractor, he used these devices to diagnose subluxations (pinched nerves). His idea was to locate electrical sensors along spinal dermatomes connected to a multi-channel Pico amp meter. His protocol called for tuning a frequency generator across a band of potential MORs while observing the electrical activity of the selected dermatomes. He would mark any resonant frequencies that were acquired as potential therapeutic frequencies. Thus his idea was to "Scan" a human subject and determine in vivo all of the various resonant MORs that would subsequently be used in later treatments. To help automate his procedure, he used a video camera with time-lapse photography and a programmable frequency generator. He would run a scan on a

patient (which normally would take about 2 hours) then review the video that showed both the MOR frequency and dermatome response. He would record the actual frequencies of interest in a lab notebook. This review process took several hours to complete and was done after a scan had been recorded." (1) When Mr. Tumey got involved in the project around 2001/02 time frame, he developed a software algorithm that completely automated the entire process. Using a computer and a computer—controlled frequency generator, his system would scan a patient and automatically record the electrical response from the Pico amp meter. Once the scan was complete, all the relevant data was already in the computer, all the operator had to do was to go through the data and "click" on the potential MOR frequencies which were subsequently loaded into a therapy table that would be used in future treatments. This technique reduced the entire scan, recording and analysis time to approximately one hour. Since this time, he has developed an improved system that is anticipated to reduce these times to about 20 minutes. Currently there are two working prototypes. One is located in a medical clinic in Hermosillo, Mexico and is being operated by a Dr. Romero. The other is located in a lab in Dayton, Ohio where research into this technique continues. I have the Power Point presentation that shows the system and its components and how it works as well as real data collected from some experimental subjects. This is a fascinating presentation that shows that light is playing and will continue to play an ever-expanding role in highly effective non-invasive therapies. Light is the medicine of the present and the future. Endnote 1 David Tumey and William H. Sheline, "Royal Rife Revisited: Reconstruction of the Original Rife Ray Tube" (Ohio, a paper written by the aforementioned authors describing their years of work researching and reconstructing a working replica of Royal Rife's Original Ray Tube Apparatus, 1994) pp. 1-2. Used with permission of David M. Tumey who sent the paper to me and his December 22, 2006 e-mail update.