

The Rife Way III

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by Mark Simpson
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After the closing of the Rife Research Laboratory, Rife's death, personal confinement and other setbacks, until his death in 1995, John Crane and others continued to pursue the legacy of Rife technology as well as that of their later combined efforts.

Mr. Crane had a working relationship with a group which became known as the Dallas Rife Research Group. Mark Simpson, one of the founding members, made several attempts at a self-published work which documented pretty well the thinking and state of the art at that time. His third version, completed around 1991 was the most complete of his efforts. It was alleged, Mark was murdered not too long after this version of the document was assembled.

Mark's wishes were clearly expressed that this information be made freely available so that it could be easily shared with others.

Jimmie Holman & Paul Dorneanu of Pulsed Technologies would like to make part of their personal archives available to those personally interested in this area of research in hopes inspiration and details can be gleaned and likewise contributed by others.

This package may be distributed freely for non commercial use if kept intact, in its entirety, including credits and notes. Paul & Jimmie hope you enjoy and get as much out of this document as they have in collecting, preparing and sharing it with you.

*Provided by: Jimmie Holman & Paul Dorneanu
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THE RIFE WAY III



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THE AUTHOR WISHES TO ACKNOWLEDGE THE EFFORTS OF JOHN F. CRANE WHO (ALONG WITH SEIDEL & WINTER) HAS HELPED TO SAVE THE RIFE WAY FROM COMPLETE OBLIVION. CRANE HAS DONE MANKIND A GREAT SERVICE.

THE AUTHOR ALSO WISHES TO THANK RICK SHEPPARD FOR HELP WITH THIS ARTICLE. RICK AND I HAVE RESEARCHED RIFE FOR ALMOST FOUR YEARS (1991). RICK HAS SUPPLIED MOST OF THE EXPENSIVE EQUIPMENT NECESSARY FOR OUR RESEARCH. HE HAS ALSO PROVIDED MOST OF THE TECHNICAL EXPERTISE IN THIS PROJECT.

THE AUTHOR HAS TAKEN SUCH A RADICAL POSITION IN WANTING TO SHARE THE RIFE TECHNOLOGY FOR FREE, THAT MANY WISHING TO PROFIT FROM RIFE'S METHODS HAVE BECOME ALARMED (EVEN THOUGH RIFE INVENTED IT, HE'S DEAD, AND IT WAS HIS WISH THAT IT GET OUT). I THINK SOMEONE SHOULD HOOK A CB RADIO AND A LINEAR AMPLIFIER TO A BK 3011 FUNCTION GENERATOR AND TRY TO BLAST SOME MICROBES THROUGH THE AIR.

RIFE'S RAY TUBES INCORPORATED A "SPARK GAP" BETWEEN THE ANODE AND THE CATHODE, WHICH CAUSED A WIDE ARRAY OF RADIO FREQUENCIES TO BE BROADCAST. THIS SHOTGUN APPROACH MAY HAVE PLAYED THE MOST IMPORTANT FACTOR IN RIFE'S APPARENT SUCCESS. IT MAY ALSO HELP TO EXPLANE WHY RIFE WAS NOT REPORTED TO HAVE TRIED ANTENNAS (WHICH ARE SUPPOSED TO EMIT ONLY ONE RADIO FREQUENCY CARRIER WAVE AT A TIME).

THE AUTHOR HAS OFTEN WONDERED WHY THE RIFE WAY HAS NEVER BEEN GIVEN A FAIR SHAKE BY THE MEDICAL ESTABLISHMENT IN THE U.S. (OR ANYWHERE ELSE). WE ASK FOR FAIR TRIALS. PERHAPS THIS REPORT WILL SPARK EVEN MORE INTEREST IN RIFE'S IDEAS. RIFE REFUSES TO GO AWAY. HIS IDEAS ARE SO EASY TO CONCEPTUALIZE. THE RIFE WAY IS BELIEVABLE AND IS FOUNDED AND BASED ON TOTALLY HARD AND PHYSICAL SCIENCE.

PERHAPS IN A YEAR OR SO, WHEN (HOPEFULLY) THE 1939 BEAM RAY CORP. TRIAL TRANSCRIPT BECOMES AVAILABLE, WHEN MORE RIFE LAB NOTES ARE RELEASED, AND WHEN SOME OF THOSE ALIVE WHO PERSONALLY KNEW RIFE HAVE BEEN INTERVIEWED, THE RIFE WAY IV WILL COME OUT. UNTIL THEN, THIS IS EVERYTHING THE AUTHOR KNOWS ABOUT RIFE.

ABSOLUTELY NO MEDICAL CLAIMS ARE MADE OR IMPLIED. FOR RESEARCH ONLY. USE THIS INFORMATION AT YOUR OWN RISK.

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Royal Raymond Rife (1888 - 1971) scientist, inventor and machinist, who is said to have created five light source super microscopes (three of which went beyond 30,000x in resolution), is said to be the first person to physically prove pleomorphism in microorganisms (the phenomenon of mutating into distinctly different life forms), is reported to have perfected a method of culturing and growing cancer virus, and is credited with conceiving and inventing a radio frequency unit which broadcast certain audio¹ frequencies (which were turned on and off four times a second) which induced forced oscillation resonance to the point of exploding many harmful microorganisms in the body without harming the patient. This method is credited with completely healing many cancers, tuberculosis, syphilis, herpes, gonorrhea, pneumonia and even some cataracts.

This is the story of how frequency may destroy virus, bacteria and fungi.

To summarize: virus, bacteria and fungi are said to be like kidney stones or crystal glass in that when subjected to the right frequency, they blow up!

To achieve "forced oscillation resonance" with a crystal glass, first tap the glass with a spoon to determine its natural frequency of vibration (this varies from glass to glass). After you know the precise note sing it or play it with a clarinet. The glass will start to resonate or vibrate. Now turn up the volume; pump in more energy of the same rate and watch your glass vibrate to smithereens. Forced oscillation resonance affects suspension bridges also. Wind caused the Tacoma Narrows suspension bridge to collapse on November 7, 1940 and No, it wasn't just blown away. My scientific buddies tell me that everything (even outer space?) has a resonant frequency. When this resonant frequency is reached in large enough volume, the object of scrutiny breaks into pieces. The premise of this report is to explore forced oscillation resonance in microorganisms.

Fortunately for mammals, our cellular structure is said to be about one hundred times harder than viral cellular structures and about fifty times tougher than bacteria and fungi. This is why we don't

blow up when some microorganisms do (this assumes a human mortal oscillatory rate²).

Unfortunately this business of frequency is not so simple. Our research indicates that Rife succeeded in exploding microbes with distorted sine waves from the beginning. Rife's distorted sine wave had a sharp left hand edge and was probably as close to a square wave as could be had in the early 1930s. Rife went to the trouble of filming oscilloscope pictures of these killer audio¹ range waves (some of the film survives in video form today). Rick Sheppard says that Rife knew that the harmonics of his distorted sine waves were killing the microbes. The left hand leading edge of Rife's distorted sine (or of today's square) wave contained a burst of energy which was loaded with harmonics. The harmonics should not be thought of as separate individual frequencies (even though they are), but rather as the inseparable by-product of the primary frequency. Without the primary frequency (in distorted sine or square wave form) there would be no array of harmonics, and so in a sense, it is the primary frequency which is necessary first and foremost. For a long time I thought that one of these harmonic frequencies might be the sole microbe killer and thus should be identified and used as the primary frequency. In order to prove that one particular frequency alone is resonating microbes to pieces, one would have to use a harmonicless sine wave. After determining the correct sine wave frequency one would most likely return to a square wave of the same frequency, as these waves are much more violent in nature. This hunt and peck, search and destroy mission might take years to accomplish, even if square waves were the only waves tested.

As microbe size and mass are directly related to forced oscillation resonance vis-a-vis specific frequency, one naturally asks the question; how can audio frequencies which are measured in feet and inches cause micron size objects to explode? We are left with only harmonics to induce the forced oscillation resonance. These harmonics have to be many times higher than the original audio frequency in order to be the same approximate size as the microbe, although some say that a combination of octaves much lower and larger than the microbe might be all that's needed to start the vibration which precedes the explosion. One way to test this theory is to find a specific sine wave frequency and then explode a crystal glass with it. Next, try to blow the same kind of glass with a sub-harmonic of the original sine wave frequency, only this time use

square waves. I suspect such research has been done and if anyone has heard of it, please let me know.

In the beginning Rife used radio rays to deliver the "devitalizing" audio¹ range frequencies. Allegedly radio rays or waves do nothing good or bad when broadcasting music, talk or dead air time. Today these man made rays continually pass through almost all North American humans, but not at the 500 watts of power that Rife used on cancer patients. Some say that radio frequency is cumulative, that a broadcaster delivering 25 watts should be added to another broadcaster delivering 30 watts, to equal 55 watts of bombardment for that particular instant. Some say that our constant cumulative bombardment far exceeds 500 watts of cumulative radio frequency, almost any time of the day or night. I am tempted to believe that all radio waves pass harmlessly through the body and do nothing at all. Even if specific radio frequencies are not the actual M.O.R.s², but rather only the carrier wave delivering the audio¹ range M.O.R.s, Royal Rife might have been offended upon hearing such blasphemy. Perhaps he would have said, "Wrong, microbe brain. I blew virus under my Universal microscope and actually cured sixteen 'hopeless' cancer patients with the help of radio frequency." Research is needed to determine if audio¹ range square waves manifest themselves differently when delivered via electrodes placed on the body, as compared to delivering these same frequencies via radio, through the air. Of course research is needed to determine if one can actually blow microbes through the air, using a radio frequency carrier wave (or radio frequencies from one or more sources). This has yet to be proven by modern Rife researchers (Ultraviolet radiations do explode microbes through the air, but they do not penetrate the body more than an inch or so. Radio waves go all the way through the human body.).

Within the "electrical medical family" there has arisen a debate which centers on the medium the frequencies travel through. For example, sound waves travel with the greatest of ease through air and electrical current flows with the greatest of ease through water, wires and people. Rick Sheppard says that frequency is frequency, that sound waves are measured and counted exactly the same as complete cycles of electric current and that the confusion over only sound waves resonating objects to pieces is a smoke screen used to skew a common sense understanding of what's going on. I thought I had come up with a great way to test this theory until I was shot

down by our "Frequency Ace" (Rick Sheppard). My idea was to hook wires to a glass and blow it up. But just as sound waves will not easily pass through a human body, so too with electrical current through a good insulator (glass, air, rubber) and radio waves through lead. Strange as it seems, sound waves do pass through glass (they also bounce off of glass).

The other side of the tracks takes the position that Rife resonated microbes (if he really did) with sound waves only. It is said by this camp that those who use electrode models deliver an entirely electrical pulse repetition rate, which is not the same thing. Even though you can hear musical tones being "played" by your square wave generator (when one places the electrodes on his facial cheeks), you are receiving the electrical "shocks" in such a way as to start something in your ear to resonate. The electrical pulse repetition rate is "playing" you. The further elucidate this Beckian³ point of view, I would like to quote from The Mad Scientist's Workshop (Feb. 1990):

"The information contained in this issue comes from an extremely qualified researcher (who shall remain nameless) and who is considered by some to be the Top scientist in the 'new age' field. ... Rife's original theory was that each pathogen has a unique size that can be physically resonated and 'blasted' with its exclusive tuning like a wine glass shatters with a specific tone. This thesis has innumerable drawbacks including the fact that Rife and his modern day followers confuse pulse repetition rates with 'frequency'. FIT (frequency instrument therapy) wave pulses are electrical, not acoustical, and therefore won't 'vibrate' cells even at critical dipole resonance except for minute piezoelectric effects found only in bone and some cell membranes; also FIT wavelengths are many orders of magnitude longer than quarter wave resonances of viruses. But most significantly, all Rife-type instruments are square wave generators. By textbook definition, square waves always contain an infinite number of odd harmonics extending beyond many megahertz in transformerless designs. So to confuse square wave repetition rates with coherent, discrete cell 'frequency' is clearly absurd and continues to handicap thinking in the field of electromedicine today. Each and every pulse regardless of its rate produces hundreds of actual, discrete, individually measurable frequencies in the form of harmonics as displayed with frequency domain spectrum analyzers. Oscilloscopes cannot show these embedded harmonics since scopes show only time domain displays. And the nano-Hz and pico-Hz signals active at viral dimensions cannot possibly penetrate the body because of 'skin effect' (eddy current) repulsion, even if they were present, which they are not. Embedded harmonic 'frequencies' unrecognized by Rife's theory are what make a flute, piano or trumpet, although playing the same note (Hz) sound entirely different. ... A better hypothesis may be that the body's internal endogenous immune system is activated by the alien electro-

magnetic signals and a broad spectrum of neuropeptides, hormones, leukotrienes plus other antibodies are rapidly stimulated into production."

Of course Rife and our group blew up microbes outside an immune system under a microscope. These microbes in some instances exploded instantly. Later I will describe how our electrical "pulse repetition rates" resonated paramecium to pieces.

In 1920 Royal Raymond Rife finished building a 17,000 power light source microscope. Although hard to focus and awkward to work with, this microscope challenged the theoretical magnification and resolution limits of light source microscopy⁴ and was the forerunner of four more super scopes that Rife built. Rife's Universal Microscope is said to have magnified 61,000 times with a resolution⁵ of 30,000 diameters. Today light source microscopy is limited to about 2,500 to 5,000 diameters⁴. Light source microscopes can see living organisms. Electron microscopes (which can go to 400,000x and up) kill their quarry with their high voltage electron beams. Rife's five microscopes allowed the viewing of living virus for the first time in human history (according to Rife aficionados). Viewing was the key to Rife's success. This allowed him to view said viral destruction.

All five of Rife's revolutionary microscopes had a monochromatic option. Rife could illuminate specimens with different colors of light. He did this by means of a counter rotating, wedge shaped, pair of quartz prisms located directly above the light source. These quartz prisms generated a variable monochromatic light of any single color shade, from infrared to ultraviolet. These prisms filtered out all but one color (or shade of color) of light. Rife created light frequencies which were in resonance with the chemical constituents of the virus, etc. under observation. This illumination caused certain microorganisms to glow, say blue, purple-red, turquoise, green, brown or whatever color that was in resonance with its chemical constituents. Without this glowing these cancer virus, etc. were invisible, even though the magnification was sufficient to make them visible size-wise.

When discussing Rife's microscopes the word "heterodyning" invariably comes up. Rife accomplished heterodyning light by means of the two quartz prisms mentioned above, as each prism created a single frequency of light. The following quote from "Invisible Ultra-Violet Life Frequencies Made Visible" by Mark Gallert (found in the

Borderland Sciences' Royal R. Rife Report, see bibliography) describes it best:

"We will first explain the term "heterodyne" and then show its application to light as developed by Rife. It is an observed fact in physics, and a principle constantly used in radio and in work with sound, that when two different frequencies of vibration are produced, they inter-act upon each other to produce two new frequencies-one of which is the sum of the two original or fundamental frequencies: the other is the difference between the two originating or fundamental frequencies. Suppose, for example, that in the range of sound, a tone of 400 cycles per second and another tone of 600 cycles per second is produced. The resulting new frequencies will then be 200 cycles, the difference between 400 and 600 cycles, and 1,000 cycles for the other new tone, the sum of 400 and 600 cycles.

So far as is known, Rife was the first individual to apply this principle to the field of light. The visible frequencies range from about 436 trillion oscillations per second at the red end of the visible spectrum, to about 732 trillion oscillations per second at the violet end of the visible spectrum. An oscillatory rate faster than 732 trillion times per second results in a beam which is in the invisible, ultra-violet range. The ultra-violet band occupies several octaves of vibration, as compared to the visible spectrum which occupies less than one octave of vibration....(The upper limit of an octave has twice the vibratory rate of the lower limit of the same octave.) So the range of the vibratory light spectrum invisible to the human eye is larger than the frequency range of the light spectrum which the eye can perceive.

The process of heterodyning light is accomplished by bringing an invisible, ultraviolet beam of, for example, 1,200 trillion oscillations per second into contact with another equally invisible beam of say, 1,700 trillion oscillations per second; the difference between the oscillatory rates of the two originating beams results in the production of a light beam having an oscillatory rate of 500 trillions per second which is within the range visible to the human eye."

Rife's third scope, the Universal, could do it all. From the annual report of the Board of Regents of The Smithsonian Institution, 1944, "The New Microscopes" (see bibliography):

"The largest and most powerful of these, the Universal Microscope, developed in 1933, consists of 5,682 parts and is so-called because of its adaptability in all fields of microscopical work, being fully equipped with separate substage condenser units for transmitted and monochromatic beam, dark-field, polarized, and slit-ultra illumination, including also a special device for crystallography. The entire optical system of lenses and prisms as well as the illuminating units are made of block-crystal quartz, quartz being especially transparent to ultra-violet radiations."

Rife claimed a more efficient way to culture cancer virus. Growing pure cultures of some microbes is problematic for micro-biologists even today. From Rife's 1953 article (see bibliography):

"Ten millimeter blocks of this tumor (in 1932) were placed in "K" media and incubated at 37.5 C. with no result. After many long procedures and attempts to grow the cancer virus had failed, the discovery of the growth method of cancer virus was found. A test tube containing a sample from the un ulcerated breast mass was sealed and placed in a argon gas filled loop with 15 MM vacuum and activated with 5000 volts. This produced a decided change of ionized cloudiness in the media. (This media was of tyrode solution and desiccated swine intestine). This test tube was then checked for cancer virus, but at this point none were visible. Then the test tube was subjected to a 2-inch water vacuum and incubated for 24 hours. Upon examination the solution in the test tube was teeming with cancer virus which were the most highly motile and the smallest in size of any of the viruses previously isolated. These BX or cancer viruses refracted a purplish red color with the monochromatic beam."

Rife was no scientific spring chicken. Some articles say that Rife was awarded an honorary doctorate from the University of Hiedelberg⁶ just before World War I. Millionaires Timken (of the Timken Roller Bearing Co.) and Bridges (of the Bridges Carriage Co.) supported Rife's research. Rife is reported to have hired as many as 125 assistants at a time, on occasion. Rife worked with famous medical researchers Dr. Arthur I. Kendall (Director of Medical Research at Northwestern University Medical School) and Dr. Edward C. Rosenow (of the Mayo Clinic's Division of Experimental Bacteriology). Rife's microscopes and/or his work were reported in many articles during the 30's and the 40's (both newspapers and scientific journals). Some of the more famous articles include:

"The New Microscopes", Seidel, R.E. and Winter, M. Elizabeth, Journal of the Franklin Institute, February, 1944. This article was reprinted in the Annual Report of the Smithsonian Institute - 1944.

"Observations on Filter-Passing Forms of Eberthella Typhi - Bacillus Typhosus - and of the Streptococcus from Poliomyelitis", Rosenow, Edward C., Proceedings of the Staff Meetings of the Mayo Clinic, July 13, 1932.

"Science's Latest Strides in War on Ills Disclosed, Development by San Diegan Hailed as Boon to Medical Research", The Los Angeles Times, November 22, 1931.

"Observations on Bacillus and Typhosus in its Filtrable State", Kendall, Arthur and Rife, Royal, California and Western Medicine, December 1931.

"Observations with the Rife Microscope of Filter-Passing Forms of Microorganisms", Science, August 26, 1932.

"Dread Disease Germs Destroyed by Rays Claim of S.D. Scientist", Jones, Newell, San Diego Tribune, May 6, 1938.

"Rife Bares Startling New Conceptions of Disease Germs", Jones, Newell, San Diego Tribune, May 11, 1938.

"Local Man Bares Wonders of Germ Life", San Diego Union, November 3, 1929.

It is claimed by Rife enthusiasts that Rife was the first person in history to actually physically prove pleomorphism in microorganisms. Pleomorphism is the phenomenon of mutating into distinctly different life forms; similar to caterpillars turning into butterflies. From Rife's 1953 article:

"We have classified the entire category of pathogenic bacteria into 10 individual groups. Any organism within its group can be readily changed to any other organism within the ten groups depending upon the media with which it is fed and grown. For example, with a pure culture of bacillus coli, by altering the media as little as two parts per million by volume, we can change that microorganism in 36 hours to a bacillus typhosis showing every known laboratory test even to the Widal retraction. Further controlled alterations on the media will end up [with] the virus of poliomyelitis or tuberculosis or cancer as desired, and then if you please, alter the media again and change the microorganism back to a bacillus coli."

Rife developed a way to irradiate specimens with certain frequencies. By broadcasting an audio¹ frequency (20, 120, 622, 666, 728, 787, 800, 880, 1500, 1550 & 10,000 are some of the good ones, some say) on a radio frequency carrier wave (CB and short wave should work fine), Rife was able to view spectacular explosions of living motile creatures. Imagine a tone and a continuous stream of sixteenth notes and you have a picture of Rife's method. Rife would broadcast this maddening racket on a radio frequency carrier wave. This is what "blew the bugs".

Since 1934 when sixteen terminal cancer patients were healed at the Scripps ranch (said to have been near Escondido, California at that time), literally thousands have been helped by the use of frequency therapy.

The author is not encouraging anyone to experiment with frequency therapy or frequency machines. This must be done at the experimenters' own risk. This information is for research only.

Our bodies are said to harbor five good bacteria. Some machines like the S.W.A.T. II or the Q.L.F.-1 definitely have enough zip to their zap to kill bacteria in the digestive tract if one sits on the electrodes. Some say that care should be taken to restore the body to optimum

nutritional levels after treatments with frequency machines. After each frequency treatment, the patient should take "friendly" acidophilus bacteria, as the therapy may kill said bacteria. Almost everyone in the alternative medical field says that everyone already harbors plenty of harmful microbes and that these microbes become cancerous when the body's environment is altered by unhealthy habits. Some therapists suggest a cleansing of the body's system by strict diet and colonic irrigation⁷. A strict diet greatly helps the body's immune system which is what normally keeps cancer and other diseases at bay. Most consider frequency therapy as a magic bullet for conditions that have gone on for far too long. After arresting a major infection problem, for example, one would normally take care so that dirt and dead animals do not reenter the wound. The same logic applies to cancer, syphilis or other diseases caused by infectious pathogens. By causing microbes usually harmless to mutate into cancer virus, cancer "reinfection" can occur when you smoke, drink alcohol, get stressed out, or indulge in unhealthy foods.

Some say that indiscriminate experimentation with frequency may disrupt the natural electrical balance that the body uses to ward off pathogenic microorganisms. Others claim that only one treatment with frequency may actually activate a benign tumor and is thus dangerous. Some say that placing electrodes above the neck can "blow your mind". Most New Agers will shy away from 60 cycles as this frequency is rumored to induce cancer. Others claim that 2050 Hz and 2127 Hz induce a "40% stimulation of tumor growth" in the laboratory. Please take these statements with a grain of salt. Still others claim that the government must know many deadly mortal oscillatory rates for humans and can even kill with frequency. Again, I must say use this information at your own risk. Educate yourself by reading the reams of information available on the topic. Please, don't just take my word for it.

OUR "BUG BLOW" EXPERIMENTS

The use of frequencies to kill bacteria is a proven fact. Germicidal ultra-violet lamps have been around for a long time. I have seen paramecium disintegrate when subjected to 20 cycles. On other occasions I tried 14 cycles and observed some pond bug species exploding and others completely oblivious to their neighbors demise. These experiments consisted of a square wave generator, a

microscope magnified to 100x and a video camera attached to the microscope. I placed wires into 3 - 5 drops of pond water. The wires were connected to the output of a B & K 3011 frequency generator. I found that stranded wires work best when they have soaked in salty water for about one hour prior to "bug blasting". The microorganisms that we tested would only blow at certain frequencies, usually within three cycles of center optimum blow point. Some say that delivering one milliamp of almost any frequency is enough to kill all kinds of microbes. These people claim that the electrical energy itself is what is killing the microbes. This is categorically false, as we have done experiments with several species of microorganisms on the same slide, at the same time. When certain frequencies were applied only certain microorganisms died. The rest kept on living. I wish I could give you the exact species that we saw, but I am not trained in pond water microbe identification. There were many instances when I saw at least twelve different species on the same slide. We also turned the current way up with the frequency only slightly off (say 5 - 7 cycles) and the same microorganisms did not die. Assuming there are no rubber microbes, if simple electrocution were the case, most all microorganisms would have expired at the correct current and voltage, regardless of the frequency. In some experiments the voltage was turned past 150 volts (we have boosted our B & K 3011 output). Without the correct frequency our paramecium would not explode or expire at these high voltages, whereas it takes less than 10 volts to do the trick with 20 Hz. In some of our experiments we succeeded in "devitalizing" (Rife liked the word, "devitalize") certain microbes to the point of stopping their swimming, but not to the point of exploding them. As it is much more fun to explode paramecium, we usually demonstrated the technique with this species. Other microbe species were "frozen" by our frequencies (usually 20 Hz), but after we turned off the frequency, they swam away, seemingly unaffected. Some pond bug species seemed invincible to these underwater death frequencies. What I call the "100x water flea" would not explode or expire in our limited experiments (See Appendix 81).

As far as I know, no one except our Dallas group has actually exploded microbes. Rife is said to have accomplished this feat, but no bug blow movies have survived, so it seems. Perhaps other groups have videos of their bug blows (if so, please let me know). Our experiments have been very limited and we have exploded only two batches of pond microbes, only twice, through the air, using

ultraviolet bulbs coupled with audio square waves. We have exploded about 200 groups of microbes using the wires in water method (all at 100x or less, all pond water microbes). On June 13, 1991 I blew a variety of pond microbes instantly using the S.W.A.T. II unit. These microbes were magnified to 100x and they blew spectacularly and immediately. I used the wires in water method. Many unaffected microbes would swim around with the current still on, some of which would "nibble" on the exploded "butt" of the deceased microbe. The Dallas Rife Research Group hopes to resonate some of the more dangerous bacteria, those that give mankind problems, sometime in the future (time and money permitting).

RAY TUBES

When delivering the "healing frequencies" via a radio frequency carrier wave, one must have an antenna or a ray tube (some consider germicidal ultraviolet bulbs, ultraviolet arc lamps, standard blacklight bulbs, neon signs, and "plasma discharge beam tubes [Super Science]" as "ray tubes"). In the beginning Rife used modified Cooledge X-ray tubes. Later (it is thought), Rife had some of his tubes custom blown in quartz glass. From letters, we know that Rife used at least two different bulb sizes and that one was made of pyrex glass, the other (smaller) one of quartz glass. Some think that Rife's ray tubes were in essence large ultraviolet bulbs with electrodes instead of filaments. The electrodes were separated by a distance of about 3/4 of an inch or so. This "spark gap" is thought to have contributed to a shotgun approach in that a wide array of radio frequencies were produced. Our experiments with ultraviolet bulbs also produced radio frequency on many a different band. I have seen a John Crane video which showed a blue (Rick remembers purple) blinking "ray tube", which was a Crane ray tube, not a Rife ray tube. I have also seen old film footage of Rife working with his round ray tubes. When viewing the old Rife film footage one gets the impression that Rife only needed a split second to destroy microbes on microscope slides. One of the unconfirmed stories about Rife's ray tube was that it changed colors as the healing frequencies or mortal oscillatory rates were changed. I don't put a lot of stock in the idea that the ray tube changed colors, but if it did, then viewing a purple-red microbe on the Universal Microscope might have meant tuning the ray tube to purple-red. Our research indicates that Rife ray tubes probably only changed their intensity of blue or purple light, and that they always glowed only blue or purple. Rife's ray tube was

thought to contain helium gas, unlike regular ultra-violet bulbs which contain argon and mercury. Rife may have¹¹ used a 500 watt radio frequency broadcasting unit which is what illumined his ray tube⁸. Rife is reported to have started out with 50 watts and to have graduated to 500 watts, with at least one, one hundred watter along the way. The healing audio¹ frequencies (or M.O.R.s) were distorted sine waves (today we use square waves) which may have been broadcast on a radio frequency carrier wave (which was probably around 40 MHz). It is thought that Rife used amplitude modulation, not frequency modulation. In other words, Rife amplitude modulated the radio frequency "carrier wave" with his audio range healing frequencies. It may turn out that Rife's ray tubes produced so many different radio frequencies that something had to give (and blow up!). However our research indicates that Rife had to spend many hours trying to find a specific M.O.R. for each variety of microbe he mercilessly stalked. I also speculate that if nearly every frequency were broadcast simultaneously, white blood cells, sperm, chromosomes and enzymes, etc. could be exploded by accident if the radio frequency wattage were high enough. There is speculation that Rife arrived at all of his frequencies (both audio and radio) by dividing downward from the original color frequency that each microorganism emanated under his Universal Microscope. How he determined which frequency to give to a color, or how he determined which harmonic to divide by is presently under research. We have obtained video footage which shows an Abrams⁹ "deadbeat" oscillator gating¹⁰ what is thought to be the mortal oscillatory rate at four times a second. This gating action is believed to give the mortal oscillatory rate an extra added deadly punch. Rick Sheppard has experimented with gate speeds and has found that four times a second works best with paramecium and other pond water microbes.

It should be noted that Rife probably started out by trying to broadcast his healing audio frequencies exactly the same way a radio station would. Later, Rife probably discovered (perhaps through Philip Hoyland) that ignition and lighting of his special ray tubes could be accomplished by most any high voltage source and that radio frequency was still the resultant output. It is unknown if Rife ever tried antennas (instead of ray tubes). An antenna would restrict the radio frequency output to only a small band of radio frequencies. It would be nice to have access to Rife's lab notes, etc. for questions like these.

In addition to the Rife way mentioned above, some suggest that the radio frequency carrier wave should be turned on and off by the positive portion of the Rife audio¹ frequencies themselves. They suggest that a "CMOS" or other super fast solid state switching digital chip be employed in this capacity. Remember to use square waves when trying this approach. Your switch will have to be as fast as 20,000 times a second (and even higher) to utilize some of the higher frequencies, although most of the healing frequencies are under 2,000 Hz.

In my opinion the radio frequency way of delivering the M.O.R.s should be best in that 500 watts of radio frequency should penetrate the body more or less evenly and completely¹⁹. This is more efficient and less cumbersome than using electrodes. With the electrode method one has to hunt and peck and hope for the best, not knowing if any of the healing frequencies are hitting their target. Some try to use acupuncture meridians as placement points for electrodes. Some lay on a large (one foot by three feet) electrode and use another pencil eraser size electrode directly and exactly on the acupuncture point for the particular problem they are trying to help. Of course it's nice to know for sure that you are receiving the M.O.R.s (one can tell when one is getting shocked), as modern research has yet to prove that radio waves are not completely ineffectual. I think that Rife worked with John F. Crane¹² on electrode models (Crane says not), and I feel that he must have preferred the radio frequency method.

The radio frequency way of delivering the deadly M.O.R.s has far fewer adherents offering their wares to the New Age. This is due in part to FCC regulations which prohibit the saturation of the airwaves with shrill high tones. To properly experiment with radio frequency one should shield his environ and use the diathermy range which is set by the FCC (13.56 & 27.12 MHz). From what can be scavenged and gleaned from Crane's Polarity Research Manual, Rife is thought to have used 4.5 - 42.63 MHz as the range for his radio frequency carrier wave (also note Appendix 24 & 25). In 1954, Dr. Stafford was using a Rife/Crane ray tube which used "2400 KC", "3500 KC" and "4680 KC" as the carrier waves for various audio mortal oscillatory rates.

It should be noted that Rife Ray and Beam Ray machines were used by many doctors for many continuous years with no reported ill

effects (and a great many reported cures). Rife used the frequency instruments for fifteen years and was irradiated with radio frequency thousands of times during that period. Rife lived to be 83 years old.

I have uncovered at least seventeen Rife-like frequency generators on the market available via mail and U.P.S., etc. Most of these frequency generators get the frequency into the body via electrodes. Some use light (Bob Dratch's²² ultraviolet bulbs employ some of the Rife frequencies) and some claim to use radio frequency to deliver the M.O.R.s which are claimed to devitalize microbes. Although ultraviolet bulbs put out lots of different radio frequencies when fed audio frequencies at high voltages, this is not the same as feeding radio frequencies into ultraviolet bulbs. Some kind of electromagnetic radiation occurs when we feed our gated audio square wave frequencies into ultraviolet⁸ bulbs and arc lamps as the "beeping frequency" can be heard on TV, AM & FM radio, remote phones and CB radio all at the same time. Our group has trashed the reception for a block in all directions on occasion. I have also noticed the "beeping frequency" around 540-550 AM radio while sitting on the electrodes. This occurs without touching the radio, but gets louder when I do touch the radio. I suppose that electrode frequency therapy turns one into an AM radio broadcasting station. We have not seen with our own eyes any such device as the original Rife Ray¹¹ on the market today.

Rife like frequency generators usually have foot plates that people can lie on or place their hands on. Some electrodes are about three and a half inches in diameter and have insulated handles. Some electrodes are silver or gold plated. Some electrodes are actually penile in character. Some electrodes come in sets of four, usually about 3 x 6.5 inches each. Most recommend a wet cloth to separate the metal from the skin when "zapping". In our early research using only the B & K 3011A, we found people placing wet washcloths between the electrodes and the skin, which reduces redness of skin tissue, which sometimes occurs as a result of electrode frequency therapy. We also found people standing in plastic buckets of warm salty water with an electrode in each bucket. They were trying to get one milliamp through the body, which is what it takes to kill most healthy microbes. Now we find Dr. Charles McWilliams²⁰ placing wet washcloths or paper napkins (instead of metal electrodes) on the face (nose hole removed for breathing) while

I forgot to mention the suggested use by some of "electrolytes". Electrolytes are supposed to increase the body's conductivity of electrical current during electrode treatment. Electrolyte concoctions usually consist of whey, rice polishings and a smattering of sea salt. Electrolytes are taken orally.

applying 787 Hz, in a effort to remove wrinkles. I have always thought that electrode models have the potential to skirt the problem by passing the voltage around the problem. I suspect the line of least resistance follows the healthy tissue (with electrode therapy). However, when standing on the foot plates it feels like the whole foot and lower leg are getting an equal massive zap.

Let me digress. In our research with straight square waves, using only a B & K 3011 by itself, we noticed a tendency to leave little red dime size spots that simply did not go away. A friend of mine had a rich acquaintance who for the last ten years had suffered from back pain. My friend was told that if the frequency therapy worked he would help out with some research money. His back pain went away and he felt great for the first time in ten years. And yet, he acquired two dime size red spots which would not vanish. After my friend received threats of malpractice lawsuits he quit his "practice" of playing doctor. Many of the newer frequency generators gate the signal between every four seconds to four times a second. The newer gating machines have for the most part eliminated this burn problem, by using higher voltages that do not leave burns like the lower voltages sometimes do. This is because the lower voltages arc; the higher voltages overcome skin resistance and allow the current to pass on through the body. An anonymous engineer has developed an attachment which boosts the output of a B & K 3011 to 48 and 96 volts AC (this unit, known as the S.W.A.T. II, also gates at 4 times a second and incorporates a timer for convenience).

It grieves my heart to report that some on the frequency bandwagon are quacks, frauds and liars. Others are well meaning highly opinionated salesmen types who insist that their's is the only machine that really works or worse yet, "won't cause cancer like the other machines do". Most who sell Rife-like frequency generators make no claims (to their credit), but some will promise you the moon and the Easter Bunny. Some incorporate New Age "think well" philosophies. One tries a little sex appeal. Some take a B & K 3011 or a Global Function Generator and claim to modify the output so the "wave form" will be right or the "window" will be right or the "output will be high enough". Some entrepreneurs are modifying only the labels of off the shelf frequency generators with a little glue and their own new labels. Many "frequency experts" display the disturbing personality trait of always being right, while everyone else is wrong. Many "frequency consumers" display the disturbing

personality trait of being dumber than dirt. Often the two groups find each other.

The Dallas Rife Research Group has been collecting articles on Rife for almost four years (1991). Most Rife articles contain incorrect statements bundled up in scientific sounding jargon. The most common error is stating that some radio frequencies are the actual M.O.R.s¹ (which may turn out to be partially true). The second most common error found in articles on Rife is that the Universal microscope weighs a ton (it weighs 200 lb.).

I have met one person (Lynn Kenny) who says that he was healed of cancer by using a Q.L.F.-1 Rife-like frequency instrument coupled with a strict diet. I know of another who is said to have recovered from lung cancer using only a BK 3011. I was recently told of a "5 tumored dog" who had two walnut sized tumors under his chin recede to pea size after only three treatments (using just about every frequency on the list) with the S.W.A.T. II unit. This dog had his eyeballs bugging out of his head due to extreme swelling which also went away about a week after the treatment. This event is one that I did not witness, but it comes from one in our Dallas Rife Research Group, and I believe the story is completely trustworthy. Our group in Dallas has yet to uncover before and after photographs, extensive lab reports, interviews with patients, friends and relatives, or better yet, witness with our own eyes actual cancer cures. I know that there is logistical and legal difficulty in supplying documentation or even satisfied customers to contact, but until I see proof I'm not willing to go out on a limb. I have seen great results with back and muscle pain, athletes foot, and colds and the flu using the electrodes. Diligence must be stressed when using frequency therapy. With electrodes I suggest seven minutes per frequency, turned as high as is comfortably possible, every day (or two days) until you know you are well. Others suggest using almost every frequency for 3 - 5 minutes, every eight hours. No alcohol should be consumed as your liver will be processing a lot more waste if the frequency therapy is really working. We have noticed that those who claim cures or results from frequency therapy have been extremely diligent in the use of their units. They go through all of the frequencies and follow the same protocol every day or as their regimen requires.

RIFE'S PERSONAL HISTORY

No article on Rife would be complete without taking a stab at Rife's personal history. For me, this part of the story is the most intriguing because so little is known. The following is garnered from many sources and is probably only about two-thirds true. I think Rife had a dark side. Why did he become a drunk almost overnight (if he really did) during the 1939 Beam Ray trial? Did his first marriage end in divorce? Why did everyone (according to some) abandon Rife except for John Crane¹², during Rife's latter years? Did Rife believe in God? Why is there never any mention of his family life and where is Rife buried?

Rife was born May 16, 1888 in Elkhorn Nebraska to Zibe and Ida Rife. He was raised in Iowa by an aunt (see appendix 80) and moved to San Diego in 1906 at the age of 18. In 1912, at age 24, Rife married Mamie Quinn of San Diego. John Crane says that Mamie was Chinese. John also states that there may be Chinese in-law relatives alive who may remember Rife. Bud Curtis¹³ says on a tape that Miss Quinn's dad, Tom, was chief of vice for the local San Diego police and that for a wedding present gave the couple \$100,000. Other articles report that Rife was the Timken or Bridges family chauffeur. Rife is said to have bought a home near the Timken and Bridges' homes (2500 Chatsworth Blvd. [?]) in San Diego and it wasn't long before the kind and interesting scientist was taking his rich friends fishing locally and hunting in Africa on occasion.

During World War I, Rife is said to have spent time in the Navy doing research on foreign laboratories. The Crane Foundation (brochure RV 11-90) says that Rife worked for the U.S. Secret Service (during this time frame?) and also worked for the Carl Zeiss Optical Company of Germany for six years. Noting the 1914 - 1919 time frame of World War I and Rife's age, it becomes difficult to make all of these claims come together, especially in light of Rife's wedding date. Rife is supposed to have been awarded an honorary Ph.D. from the University of Heidelberg⁶ (Germany) in 1913 for work he did which involved photomicroscopy. Rife received a lifelong membership as a Fellow of the Royal Microscopical Society of Great Britain.

More than one account claims that Rife was an accomplished and talented musician who played cello, saxophone, melaphone, French horn, guitar and harmonica. Rife is also said to have raced deep sea

speed boats and is said to hold the International Cup Race title (Which class and what year, I do not know. I have seen a blurry photocopy of a large boat with what I remember as four people aboard, including Rife, I was told.).

According to John Crane, Rife never had children. Dr. Peter Guy Manners¹⁴ told me that there is a woman making the New Age health nut dinner circuit in England, claiming to be Rife's daughter. John Crane says that Rife outlived both of his wives. His second wife was said to be a Mexican lady named Amelia Aragon (she had several children from a previous marriage).

Rife's first microscope was completed in 1920; the second in 1929; the third (and most powerful) known as the Universal Microscope was completed in 1933. The fourth Rife prismatic microscope is interesting because it was a prototype for a less expensive production model. The idea was to make microscopes that research laboratories could acquire for around \$1,000. This microscope magnified from 10,000x to 15,000x and was finished in 1935. The #4 scope was taken to England in 1939 by Henry Seiner for Dr. Gonin, until Dr. Gonin's microscope (the fifth made) could be readied for shipment (see Appendix 19). The #5 Rife microscope is at the Welcome Museum in London. This last Rife super-scope was started in 1937 and finished in 1952. Some parts were cannibalized from earlier scopes to finish later ones. I think that only scopes 3 - 5 exist today.

Rife worked from 1917 to 1939 (and after) building microscopes, proving pleomorphism and blasting virus, bacteria and fungi off the face of this earth. In 1934 (when Rife was 46 years old) he healed sixteen terminal cancer patients at a carefully supervised and meticulous trial conducted by the University of Southern California. Five doctors verified this phenomenal feat, so the story goes. From John F. Crane's Polarity Research Manual (see bibliography):

"Rife's first human clinical work on cancer was completed under the supervision of Dr. Milbank Johnson, M.D., Chairman of the Special Medical Research Committee of the University of Southern California which included Dr. George Dock, Professor of the Theory and Practice of Medicine, Medical Department, Tulane University of Louisiana, New Orleans; Dr. Charles Fischer, M.D., of the Childrens Hospital in New York, Dr. Wayland Morrison, Chief Surgeon of the Santa Fe Railway, M.D.; Dr. Karl Meyer, M.D., Director of the George Williams Hooper Foundation, Dr. Arthur I. Kendall, Professor of

Bacteriology at Northwestern University Medical School in Chicago. The research was conducted at the Scripps Castle which was rented over the summer of 1934 for cancer and T.B. cases. Fourteen out of sixteen were cured in seventeen days, Rife said. The work was also confirmed by Dr. Couche, M.D., and others verifying and checking the work. Dr Kendall reported that Dr. Alvin G. Foord, M.D., diagnosed Tom Knight." [quoted as is, page 74 P.R.M.]

The records for this and two other clinics that Dr. Milbank Johnson²³ conducted have been mysteriously lost. Please read The Cancer Cure That Worked (hereafter; TCCTW) by Barry Lynes, for eleven chapters of semi-detailed and chronologically disjointed historical information regarding this twenty-two year period of Rife's medical research efforts.

In 1937 Rife, Ben Cullen, Philip Hoyland and Dr. James Couche formed Beam Ray Corporation. Rife agreed to the venture on condition that each frequency instrument would be thoroughly tested before it was sold. By 1938 fourteen frequency instruments had been distributed (were they all sold and if so for how much?). Beam Ray Corporation history is unclear and I am not convinced that twelve functional instruments were ever built.

Perhaps Rife was not well acquainted with state of the art electronic developments of his day. From TCCTW: "Rife and Philip Hoyland began revising the Frequency Instrument in the early months of 1936, eliminating parts which had been made obsolete by recent advances in electronics. During that summer¹⁵ they produced an entirely new method of generating the desired frequencies." We are not told what the old or new method was. Keep in mind that by 1935 there were four Rife Ray frequency instruments and that one of these machines was used in the 1934 clinic. Hoyland and Rife were hot-rodding one of the Rife Ray machines. If Rife had not needed the help it is doubtful he would have employed Hoyland. By 1938 things had started to turn sour and in 1939 Beam Ray Corporation was hauled into court by Hoyland on stock fraud charges. From a letter to Dr. B. Winter Gonin, May 14, 1939, Rife says:

"I spoke only Friday Evening to a Mr. John Chamblin, a radio man now connected with Beam Rays Inc., about the redesign and building of a device according to the old original Rife Ray principles; as the present instrument has been so deviated away from that old principle that it is nowhere near the same."

Later in the same letter Rife says:

I have been ready to come to England for some time. I have all my papers, birth certificates, and passport, and even had my reservations made, which of course I had to cancel after I was subpoenaed as a witness for the Hoyland-vs-Beam Rays Inc. trial. What he expects to gain by subpoenaing me as a witness I do not know, unless it is to prevent me from getting over there and talking with you. As I know for some reason that he has been very adverse to my going over there. He claims to be the primary owner of the whole idea, and he even made statements that he was the one that found all the exact frequencies; and has tried to throw Beam Rays Inc. into bankruptcy, so that he and a bunch of Los Angeles Jew promoters can get the whole thing in their hands. He stands absolutely alone, as there are none of the Board of Directors or Stockholders of the Company that are in discord."

In the first quote "the present instrument" was a Beam Ray Corporation model. One is tempted to speculate what Rife meant by "nowhere near the same". A distorted audio sine wave of the same voltage, amperage and frequency should be the same yesterday, today and for ever. We know the #4 Rife Ray could broadcast at least two audio¹ frequencies at the same time. Was there more to the original Rife Ray than distorted sine waves, turned on and off four times a second, broadcast on a 500 watt radio frequency carrier wave, through a tube containing electrodes, filled with pressurized helium gas? Are we talking about the elusive cure-all "scalar wave¹⁵"? Was it just that Rife was uncomfortable with newer electrical parts in much the same way that a tube man sometimes has difficulty turning into a chip man? In a late breaking research development, I have determined that the first four (if not all) Beam Ray Corporation models probably did not incorporate a radio frequency carrier wave as did the original Rife Ray which healed the sixteen "hopeless" cancer patients. This "innovation" was probably a Hoyland idea and judging from Rife quotes herein, it seems that Rife was not entirely pleased with the outcome. Nevertheless, Dr. Hammer²¹ (supposedly) reported great success with his (untested by Rife) Beam Ray model. Our Dallas group has never seen an original Rife Ray or Beam Ray model. For the record Rife Ray and Beam Ray models required constant calibration as electronics were crude in those days.

Back to Philip Hoyland. From a much later, "To Whom It May Concern" letter that Rife wrote and signed (and even had notarized) on March 22, 1958:

"Three instruments were built. The first two were shipped to England (unwired as Hoyland wanted a trip to England) and the third went to Dr. Hamer M.D. at the Paradise Valley Sanitarium and Hospital. Dr. Hamer was the superintendent there I believe. Hoyland was like many men with whom I have associated over a period of years. In a short time he began changing the basic principles of these instruments according to his own ideas. About this time he became associated with Dr. Yale and Yale ordered and received another or the Fourth Frequency Instrument. Since I was out of the city of San Diego at the time, all of these devices were delivered without being tested by myself."

One thing is strongly suspected; after the Hoyland experience Rife became secretive with the frequencies. I think that Beam Ray machines were preset from the beginning, and as near as I can tell, the frequencies were usually unknown to the operator. Hoyland vs Beam Ray Corp. (Judge Edward Kelly - June 12, 1939) ended with Beam Ray victory, but also with Beam Ray near bankruptcy. Rife was never the same after this. During the trial Rife is reported to have become a heavy smoker and an instant drunk. This is where a substantial amount of mystery enters the picture.

During the 1939 period it is said that many, if not all, the doctors using Rife Ray and Beam Ray frequency instruments were hounded and coerced into abandoning the therapy under threat of loss of license to practice medicine.

It would be easy to glorify Rife as a totally philanthropic, crusading germ destroyer, completely dedicated to man's advancement, selfless, kind and generous in every way. I have not gathered enough information to draw that conclusion. I am troubled by the fact that for more than four years (before the 1939 trial), Rife knew he had a cancer cure, yet went along with Dr. Milbank Johnson's plan to prove pleomorphism (in cancer virus) to the academic medical community first. By then Rife, Dr. Rosenow, Dr. Kendall, Dr. Couche, Dr. Hamer, Dr. Yale and Dr. Johnson had each witnessed miraculous results, over and over. Other doctors had also. Perhaps Rife thought that something so great just had to come out. We don't know what drove Rife or what turned him on. We do know that Rife lived 37 years of life (1934 - 1971) knowing how to cure cancer and that he never published a "how-to manual", spilling all the secret beans.

I have come up with a picture of what might have contributed to Rife's demise. We know that in May 1936 Rife's eye doctor limited him to two hours a day on his beloved Universal Microscope. Rife

saw the doctor again in 1937 because of continued eye problems. If the \$100,000 wedding present story is correct, Rife had lived the privileged life for fifteen years. If Rife had his money in a bank that failed during the Great Depression, then he probably lost it all. Times were hard and friendships may have been stressed and strained among the privileged classes who were most likely looking out for number one. Knowing he could cure cancer and having the academic medical system he loved and respected turn on him must have been terribly disillusioning.

The period of time from 1939 - 1954 is bereft of details. From TCCTW:

"While the AMA's role behind-the-scene did not come up in court, Judge Kelly must have learned about it. When the trial was over, Kelly offered to represent Beam Ray in a new suit against the AMA. But Ben Cullen was broke. He had even lost his house. He got a job and left the cure for cancer to others. Rife kept his laboratory intact until 1946, but drinking eventually forced him to sell it piece by piece. ... So, although the AMA lost its court case against Beam Ray, it won the war. But millions of Americans suffering from cancer decade after decade would lose. Fishbein's action in 1939 makes him, in the writer's opinion, the worst mass murderer in American history [Barry's book is rife with proselytizing]."

This was Rife's new laboratory that Timken had built from scratch in 1936. We lose track of Rife from 1946 - 1950. This is the time he spent two years in an alcohol rehab "prison" from which he "escaped" (TCCTW). We don't know if this was a "Great Escape" kind of an escape.

I know from a letter (unless its author was mistaken) that Royal and Mamie Rife were still together in 1955. Lyks Sieger, N.D. says that Rife died "from a combination of alcohol and Vallium at age 83."

Rife met John F. Crane¹² in 1950. For many John is known as the "grand old man" of frequency therapy. Rife and Crane worked together to get the cancer cure back on track. They developed electrode frequency instruments as they were a whole lot less expensive. For ten years John Crane was flying high, working with Rife, doing everything he could do to get rich by getting the cancer cure into the mainstream. His letters of that era exude a confidence and a hope of helping mankind. In early 1961 Crane began his three years and one month in prison for conspiracy to practice medicine without a license in the state of California. In the 1960 raid¹⁶ the

state and perhaps federal authorities got all kinds of good booty (pictures, tape recordings with Rife's voice and very many letters and medical research records).

Again from TCCTW: "Roy Rife, almost 73 and incapable of suffering the abuse of another trial at his age, went into hiding in Mexico. His deposition was not permitted to be introduced at the trial." Statements like this make me really want to get a copy of the 1939 Hoyland vs Beam Ray transcript. Just how much suffering and abuse did Rife endure before he cracked?

On page 129 of TCCTW we are told that in 1960 Crane made a breakthrough, "enabling hundreds of times more energy to be concentrated on the deadly virus. These methods have never been published and are the heart of Crane's legitimate patent claims." What seems strange is that John Crane has been selling B & K 3011 frequency generators off the shelf for years. Crane makes many claims such as healing completely paralyzed girls with yellow spot lights. As near as I can tell, Crane and all the others in the frequency therapy business offer no documentation to back their claims of cures (ancient affidavits are inadequate). For skeptics, the "disciplines" of cranks abound in unsubstantiated claims ringing down the hallowed halls of alternative medicine. At times it seems that we health nuts are our own worst enema.

If the report that parts were taken from earlier scopes to finish later ones is true (and that sounds reasonable), then it is probable that only the #3 (Universal), #4 and #5 Rife microscopes exist today. The #5 is said to be in London, England at the Wellcome Museum. In 1944 one of the Rife scopes resolving to 18,000 diameters (probably the #4) was being used at the British School of Tropical Medicine¹⁷. Bud Curtis¹³ says on a tape that one is still at the Scripps ranch in California. This scope would be the #4 as Gonin brought it back from England in exchange for the #5 (see Appendix 19). Barry Lynes or the World Research Foundation is rumored to have an inoperable #3 Universal Microscope (prisms are missing), which is partially the subject of a complicated stock swindle involving John Crane. Just who got swindled is still up to the courts to decide. The latest from the rumor-mill is that Crane's case has been thrown out of court. Crane has the reputation of suing anyone he disagrees with.

I would like to end with two quotes from Rife. The first is from the 1953 article that John Crane badgered Rife into writing.:

"The isolation of cancer virus and other microorganisms was an accomplishment with which I felt a great deal of pride. Finally in 1931, I discovered the transformation of the cancer virus and the successful treatment for cancer and other diseases by actual observation of the universal microscope while applying the frequency instrument. Thus, this data is presented for evaluation. With the frequency instrument treatment; no tissue is destroyed, no pain is felt, no noise is audible, and no sensation is noticed. A tube lights up and three minutes later the treatment is completed. The virus or bacteria is destroyed and the body then recovers itself naturally from the toxic effect of the virus and/or bacteria. Several disease forms may be treated simultaneously."

The second quote is from a November 25, 1936 letter that Rife wrote to Dr. Milbank Johnson:

"I have given many years of my life in a work that I have hoped may be of some benefit to mankind, as you know I have published little but I have volumes of records of this work which will be left as my bequest to humanity and they can take them for what they are."

Unfortunately, many of these records may be sealed in California State Court if they have not been shredded. It is also unfortunate that some Rife researchers are hoarding lab notes, medical records and old letters in the hope of cashing in on Rife's secrets.

My goal in this research has been to prove or disprove Rife's theories. It would be a relief to know one way or the other. Many New Agers and alternative medical types have such an investment in selling colored lights, cosmic polarizers, pyramid hats, mini-trampolines, crystals, herbal and nutritional concoctions, magnets, machines, lectures, magazine subscriptions, books, and trips to Mexican alternative clinics that their objectivity is prejudiced against almost all things medically mainstream. On the other hand, I have had the majority of "cattle" I inform about any one of the many possible cancer cures get mad at me for telling them. In my opinion they should get mad at information cover-ups.

Here's years to your health.

ENDNOTES

1. Until recently I was convinced that Rife used audio range mortal oscillatory rates (M.O.R.s) only. We now know that Rife, Johnson and Hoyland didn't even have a means of accurately measuring the frequencies they produced and that they experimented with many a "band of oscillation" (see Appendix 6). They amplified their original oscillation six times before putting it and the "carrier wave" through their ray tube (which served as a directional antenna). In 1935 Rife acquired his first(?) "oscillograph" and thus the ability to "quit guessing on the Rife Ray." (see Appendix 5) We are really not sure if they knew any frequency, but I think they must have had a good idea of the radio frequency carrier wave, and I would assume that the initial oscillation to be broadcast would be fairly easy to read off of the dial of their frequency generator if there was a dial to read. The only oscillation left to measure is what was created after six amplifications. The new oscillograph tried to measure "oscillations coming out of the machine" (see Appendix 10). It was "hazy and difficult to use" (see Appendix 10). This article is slanted toward audio range square wave M.O.R.s, but when I found the following (Appendix 2) letter to Rife from Johnson, I became concerned because radio waves are smaller and thus closer to the actual micron size of microbes (their harmonics would be stronger in the higher ranges also). Smaller size makes radio frequency a more logical first choice when trying to induce forced oscillation resonance in microbes. A picture evolves which links the audio frequencies to the radio frequencies. Perhaps the audio frequencies (square waves) caused Rife's ray tubes to emanate different harmonics and batches of a large variety of radio frequencies. When one changed the audio frequencies, it in effect, changed the radio frequencies which did the work. John F. Crane and his copy-cats publish mostly audio range numbers. I think it entirely possible that Crane overlooked the "k" when assembling his list of healing frequencies. When experimenting with anyone's numbers, I suggest also trying the same number times 1,000. Make sure your equipment has the frequency

response to handle such numbers. This having been said, I must also state that the five Super Pro¹⁸ numbers are rumored to be very effective (727, 666, 690, 1840, 1998). Many of the audio range numbers produce results (whether placebo, immune stimulation or microbe exploding is the end result has yet to be proven). Nothing is absolutely certain when it comes to exact renderings of the frequencies that Rife employed or of the output of the four (plus?) Rife Ray machines or of the 14 Beam Ray models. Even Rife had trouble knowing the exact numbers he used (my suspicion) and it is entirely possible that Philip Hoyland came up with many a good number himself. John Crane has said that Rife was extremely secretive with his frequencies, which of course facilitated the technology's demise. I think Rife died a bitter old goat and kept some of his knowledge for exclusive use in after life.

2. Rife coined the term "mortal oscillatory rate". The M.O.R. describes the specific frequency necessary to kill a microorganism. As research continues we may find out that some M.O.R.s are really a combination of two or more audio and/or radio frequencies. It is said that humans are susceptible to 60 cycles when the current is high enough. I am reminded of my old underground coal mine foreman, Norm Loveland, who was "caught" by standard 115 volt, 60 cycle current as it passed through his body on its course to ground. Norman related that is someone had not turned off the circuit he would have remained in his rather uncomfortable frozen state of suspended animation forever or until his body decomposed. I suppose that if we had turned up the current we could have exploded Norman with 60 cycles as the M.O.R. In order to determine Norman's specific M.O.R. one would have to vary the Hz or cycles (same thing) with the current lower than what it would take to devitalize Norman with electricity alone. Some say that 60 cycles stops the human heart much easier than 50 cycles, which is what most of the rest of the world employs in their distribution of consumer electricity.

3. Robert C. Beck, prominent researcher in the field of experimental electromagnetic devices. Beck has worked on "brain tuners" and Rife-like electrode units.

4. Rife is not the only one accused of violating the physical "law" that one cannot resolve smaller than a wavelength of light. From the Journal of the Franklin Institute's Feb. 1944 article, "The New

Microscopes" (see bibliography): "Dr. Lucas's microscope utilizing an objective with a numerical aperture of 1.60, for instance, in combination with monohromnaphalene immersion fluid, also yields resolution up to 6,000 diameters being, like the Graton-Dane scope, a high precision instrument constructed with the idea of maintaining absolute stability of parts. Dr. Lucas also has expressed doubt as to the complete validity of the generally accepted theory of resolution. ... In working with a high precision ultraviolet micro-camera, into which a tri-color filter system has been incorporated, which he has just recently perfected, Dr. Lucas is able to obtain a minimum magnification of 30,000 and a maximum magnification of 60,000 diameters. With this instrument it is possible to view living cells and organisms, no staining or killing of organisms being necessary, and Dr. Lucas has succeeded in obtaining excellent photomicrographs (both still and motion pictures). Also note Appendix 74.

5. Resolution is the ability to distinguish two parallel lines before they blur together. With only magnification these two lines would appear as one line.

6. This is one of the stories that a "good" reporter would or should check out. Perhaps there are still records available and perhaps the University of Hiedelberg still exists. Some leads were not investigated due to time and money constraints. This research is ongoing, so please check out "The Rife Way IV" in a couple of years.

7. Colonic irrigation is not something a farmer might do to the lower forty acres of the farm. Many New Age alternative medical enthusiasts vigorously objected to my funnier and (I think) more accurate, "serious multiple enemas (yuck!)".

8. Extreme caution should be exercised by those experimenting with ultraviolet radiations, as Rick Sheppard may have permanently damaged his eyes, by looking at these blinking bulbs and arc lamps. He reports a sand in the eye feeling and a sensitivity to sunlight.

9. From Crane era (1950 - 1961) letters we have acquired (also note the May 14, 1939 letter from Rife to Gonin in Appendix 11) it would appear that Rife was a fan of Dr. Albert Abrams who invented a treatment instrument called the Oscilloclast. The Oscilloclast is thought to have measured resistance in a effort to diagnose illness. The Oscilloclast used electrodes to deliver weak electromagnetic

pulses in an effort to heal the patient. The Oscilloclast is not a microbe "blaster". My limited research indicates that it was more an immune enhancer. It is thought Rife used an "Abrams Oscillator" to gate his M.O.R.s on the (?) #3 and #4 Rife Ray machines. I do not know if Rife and Abrams ever met.

10. "Gating" is simply turning something on and off. In electronics one should picture a gate being opened and closed. Each time the gate is opened those little "electrical sheep" are let out. When the gate is closed the little "electrical sheep" are kept in.

11. Super Science used to market a high voltage Beam Tube and John Crane claims to have a working radio frequency ray tube. I do not know if anyone really uses a radio frequency carrier wave as did the original Rife Ray. In the beginning we think Rife used a radio frequency carrier wave the same way a radio station would broadcast music. Later in the Beam Ray units Rife probably only added (high frequency?) voltages to the cathodes of his ray tubes to create radio frequency thusly. I think Rife tried both methods. In addition to approximating Rife's methods mechanically, I consider exploding bacteria (and proving it) a prerequisite to having anything like Rife's ray tubes.

12. John Crane met Rife in 1950. Despite Rife's and Crane's eccentricities, Crane "hung in there" and helped to save the Rife way from oblivion. Rife and Crane worked together (off and on) for the last twenty-one years of Rife's life.

13. Bud Curtis met John Crane in 1984. For approximately four and a half years they worked together until, as Bud puts it, Crane got "greedy". Curtis goes around the country selling his own frequency units and is a promoter of alternative health concerns. Bud says he has a photocopy of the original hand written Rife lab notes.

14. Dr. Peter Guy Manners makes the rounds promoting his Mark III Cymatic Instrument. This unit is said to treat "affected areas with natural frequencies of sound....Cymatic Therapy is a form of easily applied treatment to correct any disharmony, and assist the natural pattern of sound within the human structure." A grain of salt is in order. I briefly talked to Dr. Manners and his wife after a talk he gave in Dallas.

15. We know from a November 4, 1936 letter from Milbank Johnson to Dr. O. C. Gruner that Rife, Hoyland and Johnson discovered a "new band of oscillations" which killed every bacteriological culture in the laboratory, broke glass of a certain shape throughout the laboratory and killed mold on leather chairs, yet did not harm humans or lab animals. What is so interesting about the letter is that it clearly states that for at least four months they experimented with the oscillations and looked upon them as "a very advantageous discovery." It is possible that Rife had more than one ray tube going in these experiments. This most exciting of all letters is included in photo-copy form as Appendix Six.

16. John Crane (president of Rife Virus Microscope Institute), John Marsh (vice-president and "chief traveling salesman") and Mrs. Bateson (who may have been the R.V.M.I. receptionist) were charged with conspiracy to commit grand theft, attempted grand theft and conspiracy to violate the Business and Professions Code of California prohibiting the practice of medicine without a license (see Appendix 23). The two theft charges were later overturned by the California Supreme Court. I have not acquired a transcript of the 1961 Crane and Marsh trials. The story is that a woman (suspected of being planted) claimed that Crane, Marsh and Bateson stole the woman's check book and tried to forge a check. No forged check was ever produced. It is said that Bateson turned state's witness against Crane and Marsh, who served time in prison over the affair. According to Crane, Marsh dropped out of the cancer scene after he got out of prison. Marsh is said to be alive still, and his story and Mrs. Bateson's needs checking out. From pages 131 - 132 of TCCTW; "They raided Crane's office, took over \$40,000 in machines, frequency instruments, and one large Rife ray tube instrument, along with engineering data, research records and reports, pictures off the wall, private letters, invoices, tape recordings and electronic parts - all without a search warrant." Crane and Marsh got into trouble by accepting "donations" to their "non-profit" Institute, in exchange for machines that were "leased" and "training" from the Institute on how to "experiment" with the Crane ray tube.

17. Journal of the Franklin Institute, Vol. 237, #2, February, 1944, page 123, paragraph one, article entitled "The New Microscopes", please see bibliography.

18. Ed Skillings is another "granddaddy" in the Rife-like frequency generator scene. Ed created the Super Pro unit, a well respected machine which incorporates five preset frequencies. The Super Pro is one of the older units around and may not be currently available. Ed no longer accepts mail at his Buhl, Idaho P.O. box. Skillings recently had his lab raided by law enforcement officials. He was not on the premises during the raid. Judging from a tape I recently acquired (see Bibliography), Skillings has gone "etheric" and should be taken with more grains of salt.

19. Some say that bones impede radio frequency more than skin or tissue. Bone cancer may turn out to be difficult for Rife-like radio frequency or electrode units to treat or help.

20. Dr. Charles McWilliams of Newcastle, Nevis, West Indies left the U.S. in favor of the freer research environment on Nevis island. Dr. McWilliams sells Chinese like herbal and oil based concoctions along with a variety of electrode machines. Dr. McWilliams has written articles on Rife-like therapy which I find a little disjointed. However, Rick Sheppard says that McWilliams has written some of the better articles in the field (see Appendix 28 and 69).

21. Dr. Hamer is said to have been the Superintendent of the Paradise Valley Sanitarium (where Rife got some of his breast tumors). I have heard that the above mentioned facility is a Seventh Day Adventist institution to this day. This is another lead that should be checked out. Perhaps some of Dr. Hamer's kin remember stories of Rife.

22. Some of the members of the Dallas Rife Research Group were contacted by xxxxxxxxxxxx purporting to represent xxxxxxxxxxxxxxxxxxxxxxxx (censored at Rick Sheppard's request, 3-91) hospital group with the intention of creating ultraviolet bulbs modulated by the Rife frequencies. Bob Dratch had previously created a similar apparatus which I saw and Rick Sheppard examined. This unit was said to have had great success with Petri dish cultures of common infectious hospital bacteriological "pests", as compared to the same ultraviolet bulbs alone. Bob Dratch is said to be living and working out of New Mexico, but the "deal" was secretive and I was not privy to details.

23. Dr. Milbank Johnson was Rife's greatest early supporter. It was Dr. Johnson who arranged the University of Southern California trial and who served as Rife's political liaison to the established medical community. Johnson is said to have been murdered right before he tried to let the cat out of the bag in 1944. From TCCTW (page 97): "Mystery shrouds Johnson's death. One rumor is that he was preparing to announce the cure for cancer just before he was hospitalized [for tonsillitis]. The suspicion exists that he was silenced, but the evidence is circumstantial. However, two federal inspectors did examine his hospital record in the late 1950s early 1960s. They concluded it was likely that he was poisoned." From "Confidential Rife Report" by Lyks Sieger N.D., "Between the carrots and sticks, everyone except Dr. Couche and Dr. Johnson gave up Rife's work. Dr. Johnson died from an injection of poison during a routine tonsillectomy on Oct. 3, 1944. He was about to announce that the USC medical committee had agreed that all patients treated with Rife's instruments had recovered from terminal illnesses. His research reports and the USC study disappeared the night of his death."

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***RESONANT FREQUENCIES
AND FREQUENCIES THAT MAY HEAL***

APPENDIX 1

As far as I can tell the following list of frequencies is completely unproven except for limited circumstantial success with colds, the flu, some skin infections, athletes foot, and muscle and/or back pain. There is no proof that the limited seccesses mentioned above actually occurred as records have not been kept. Many fear being accused of practicing medicine without a license. This list covers the more common numbers that I have heard of. Of course there needs to be research done (by qualified micro biologists, microscopists, and electronic engineers) on what numbers kill what microbes (if any) and under what conditions. Then real doctors should conduct trials on real, sick people. It is my prayer that those who are in a position to initiate such a study, do so soon, and that Lady Luck be on their side and that greed be not a factor in the quest. May God speed our humanitarian endeavors.

Some say that 60 Hz. may be bad for humans. Not seeing your doctor may be bad (or good) for you. This list is not be taken as a substitute for proper medical care. Get a second opinion. Get a third opinion. For research only.

abdominal pain 10K, 5K

acne 727, 787, 880, 5K

adenoids 727, 787, 880,

A.I.D.S. 2489, 31,000, 31,750, 34,740, 5K

allergies 5K

alopecia, hair loss 10 K

anemia 5K

aneurism 20

antiseptic 727, 787, 880

anus itch 20, 10K

aphthae thrush 727, 787, 880

arteriosclerosis 20, 5K

arthritis 10 K, 727, 787, 880

asthma 727, 787, 880

back ache 10K

bites; insects, vampires 880

blood pressure, low 20

boils 727, 787, 880

bronchitis 880

broncho-pneumonia 776, 727, 880

cancer, unspecified 2050, 1050

cancer, carcinoma 2127

cancer, carcinoma & leukemia 2217

cancer, sarcoma 2008

candida 450, 465

cataract 5K

chicken pox 727, 20

clearing frequency used to tune the body 423
colic 800
colitis 10K, 800
constipation 800
cramps 10K
crick in neck 5K
diabetes 10K
diarrhea 5K
diphtheria 20, 727, 787, 880
dysentery 5K
e. coli (tuberculosis rod) 802
eczema, all skin problems 5K
edididymitis 20, 1500
fever, all 5K, 20
flu 800, 727, 787, 880
food poisoning 10K
gall bladder 20, 5K
gangrene 20, 727, 787, 880
glaucoma 1600
gout 20, 10K

gum inflamed 20, 800, 5K

gonorrhea 622, 660

hangover 5K

hemorrhoids 20, 800, 880

herpes zoster (shingles), herpes (all kinds) 1550, 1500

hepatitis 727, 787, 880

hernia 5K

hiccoughs 20, 10K

hives 1800

hypertension 10 K, 20

hypoxia, low oxygen 5K

indigestion 5K

infections 20, 727, 787, 880

influenza 20, 880

insomnia 10K

jaundice 5K

joints, inflammation 10K

kidney 20, 10K

laxative 800

leukemia 2127

malaria 20
meningitis 20, 5K
migraine 20, 5K
measles 727, 787, 880
multiple sclerosis 5K
muscular dystrophy 5K
nausea 5K
parasites, worms 20, 60, 80, 120, 125, 440
pharyngitis 727, 787, 880
pleurisy 20, 5K
pneumonia 20, 5K
polio 1500, 5K, 10K
psoriasis 20, 5K
rabies 20, 120
rheumatoid arthritis 10K
rheumatism 10K
rickets 5K
ringworm 20, 80, 120
scarlet fever 727, 787, 880
scurvy 5K

shingles 1550

sinus 20, 120, 727, 787

skin trouble 1500, 1550, 5K

smallpox 727, 787, 880

staphylococcus 727

streptococcus 880

streptothrix 784, 787, 727, 728
SYPHILIS 20, 120, 625, 650, 659, 700, 666

tetanus 20, 400

thalamus 5K

tonsillitis 20, 880

tooth ache 20, 727, 787, 880

trench mouth 20, 727, 787, 880

tuberculosis 20, 800, 1550

typhoid 690, 20, 1570, 1865

ulcers, peptic/gastric 727, 787, 880, 776

urethritis 727, 787, 880, 660

yellow fever 20, 10

When I saw the list that many of these numbers came from, I thought, "too many numbers, absolutely no testing". We have encountered people who say they have witnessed cures by those who use frequency therapy coupled with other alternatives. I have read letters which mention limited

success with some cancers. Many of these numbers are beneficial. The problem is knowing which numbers to use. It may turn out that electrode models are so different in the way they manifest frequencies inside the body, as compared to the Rife Ray, that we're talking apples vs oranges. It may turn out that many of the frequencies do exactly the same thing when applied via electrodes or radio frequency. Of course it may turn out that many frequencies do absolutely nothing. As mentioned before, I don't know if these frequencies are actually exploding microbes, stimulating the immune system or just enhancing a placebo effect by shocking the patient. What is clear is that a lot of people think frequency therapy works for them.

I believe that most of these numbers can be traced back to John F. Crane. Crane claims a direct link to Rife and that his numbers (found in the back of Crane's Polarity Research Manual) are for the most part Rife's numbers.

Except for Rife, real research to determine which frequency kills which microbe is almost nonexistent. Most research is limited to patient evaluation based on lab tests. Some Petre dish cultures have been exposed to Rife frequencies modulating ultraviolet germicidal bulbs with great success. I am currently not at liberty to discuss these tests which were conducted by another research group.

Here are some of the maladies I left off of my list. Even the most extreme New Ager might chuckle when told of a frequency therapy for: sex polarity balance syndrome disorder, stammering, obsessive fears, neurosis, frigidity, bed wetting, depression, drug addiction, dreams, deafness, alcoholism, nocturnal emissions, mongoloidism, hereditary sex derangement, hallucinations, hysterical symptoms, gravel in urine, dullness, infantile paralysis, surgery, appendicitis, bubonic plague, shell shock, aura, bad breath, fainting, stroke, morbid taste, hypochondrium, post UFO abduction syndrome disorder and demon possession (most of these are listed in Crane's P.R.M.).

GALLERY OF LETTERS

GALLERY OF LETTERS

I came upon most of these letters by accident. A friend ordered Crane's Polarity Research Manual and received over 800 pages of these great old letters by mistake. These old letters have been invaluable in reconstructing Rife's research history, discerning his attitudes and to a lesser degree, shedding light on exactly how he killed microbes.

These letters are arranged in chronological order. Some are from the Rife days, some from the Crane days and some are from these days.

Appendix 2

10-15-35 Johnson to Rife

See endnote #1.

Appendix 3

10-29-35 Johnson to Rife

#4 Rife Ray for Johnson's 2nd (?) clinic. Various name drops.

Appendix 4

10-29-35 Johnson to Free

Clinic location. Jack Free was one of Rife's assistants.

Appendix 5

11-25-35 Johnson to Rife

Mention of Philip Hoyland building a Rife Ray machine; also oscillographs and measuring the output.

Appendix 6

11-4-36 Johnson to Gruner

The most exciting letter. See endnote 15. I know its hard to read, but hang in there, you can do it.

Appendix 7

11-25-36 Rife to Johnson

Rife was infamous for not writing letters. This letter is probably a transcript (note "signature"). In the 800 page letter windfall many were transcribed. This is a fun letter and contains one of my favorite Rife quotes (par. 7).

Appendix 8

12-7-36 Johnson to Rife

Johnson psychoanalyzes Rife. Apparently all was not peaches and cream. Rife was in his new laboratory by this time.

Appendix 9

12-7-36 Johnson to Meyer

Although the Rife Ray was at times "absolutely astounding", it sometimes fell flat on its face.

Appendix 10

6-1-37 Johnson to Heitger

Heitger was Rife's eye doctor. Its ironic that the same therapy which probably caused Rife's eye problems also cured cataracts. I think it probable that Rife burned his eyes viewing ultraviolet radiations from his scopes and tubes. See Appendix 77.

Appendix 11

5-14-39 Rife to Gonin

Rife's Beam Ray troubles had just begun. This is what happens when one doesn't mind the ship. I suspect Rife was hunting in Africa or holed up in Chinatown at the time. A pile of junk was sent to England (see Appendix 13 & 18). Also note mention of Abrams (par. 8). This is Rife's real signature.

Appendix 12

7-21-41 Hoover to Rife

Not the vacuum cleaner Hoover. This Hoover carried a Tommy-gun. Of no particular scientific or historical significance (except to perhaps shed some light on Rife's purported Secret Service stint). Still, any letter from J. Edgar is groovy.

Appendix 13

Seidel to Rife 6-23-42

Seidel was a very bright fellow who got right to the point and asked tough pointed questions. It was the Seidel and Winter article, "The New Microscopes", which I think, did the most to save Rife's memory. Ironically, Rife did not submit a photograph of the Universal Microscope for this article, even though he was repeatedly asked to (from Crane era letters).

Appendix 14

3-22-58 Rife to the World
Here we enter the Crane era.

Appendix 15

3-22-58 Marsh to Crane
John Marsh (see endnote 16) a Mormon, almost had the Rife/Crane Ray Tube sold. This letter is included as an introduction to Appendix 16.

Appendix 16

5-6-58 Garff to Marsh
This letter contains the famous quote "...really broke down and wept bitterly when the doctor told him he could not continue the treatments."

Appendix 17

7-30-58 Duffy to Ca. Dept. of Public Health
An interesting letter from an investigator to his bosses.

Appendix 18

9-30-58 Crane to Stafford
Secret frequencies kept from "barbarians"! Stafford was persuaded (by Marsh?) to try the Rife/Crane Ray on some of his patients.

Appendix 19

7-1-59 Crane to Stafford
This letter contains interesting historical information regarding Gonin, Seiner, Hoyland, and Couche. Also note anode and cathode in bulb drawing, which Crane still insists is the best configuration.

Appendix 20

9-5-59 Stafford to Crane
Frequency tests and "secrets".

Appendix 21

11-14-59 Crane to Stafford
Crane eludes to the 150 million he sought in building a hospital.

Appendix 22

sometime after 12-9-60 Stafford to Kosel

This lady must have been a relative of Mrs. Bateson (see endnote 16). Stafford's evaluation of Crane and Marsh. At the time Crane and Marsh were serving time in prison.

Appendix 23

9-14-67 Field to Adams

If it weren't for this letter I would not have known the charges (see endnote 16). I would love to acquire the 1962 FDA report mentioned.

Appendix 24

11-2-88 Sheppard to Crane

Here we enter the present. Rick's classic letter to Crane.

Appendix 25

11-18-88 Crane to Sheppard

Note paragraph 2 (with the heading "1."), "Rife's thinking was to 'cover up' the facts." Crane's thinking may have been to cover up a boo-boo. I have found numerous errors with the dating in Crane's P.R.M. This is one of Crane's best letters and shows that Crane was (and continues to be) extremely cooperative with Rick's fact finding mission. Rick is Crane's most faithful Dallas supporter. Rick never says anything negative about Crane. He always finds something good to say. The reader should carefully cross reference these two letters to get the questions and answers.

Appendix 26

4-20-91 Schneider to Simpson

This letter tells of the Nikken Bio-Beam, similar to Rife's units.

Appendix 27

4-22-91 Ross to Simpson

Note the tape transcript which follows this letter. Also note Appendix 70.

Appendix 28

7-4-91 McWilliams to Simpson

A most interesting letter. Also note endnote 20 and Appendix 69.

Appendix 29

7-24-91 Anderson to Simpson

An example of Simpson fan mail. Until I get swamped, all letters get answered. Send em on!

Appendix 30

7-31-91 Kent to Mohr

Note "4 times a second". I personally think 4 times a second is best and that all machines should have the "constant on" option and the variable ability to gate from around 20 times a second to once every 4 or 5 seconds (for experimentation purposes).

MILBANK JOHNSON, M.D.
PACIFIC MUTUAL LIFE BLDG.
LOS ANGELES, CALIFORNIA

January 31, 1936

My dear Roy,

We are sending you today by express an output tube which we have had blown and made in Los Angeles. It is made out of pyrex glass and while the work in it is not very beautiful, I think it will demonstrate what we want to know. You will notice that we have a very much enlarged target and that we have changed the anode so that the current will come off of it at a point rather than in a round disc as in the other tubes which we have had.

I wish you would please have this evacuated and properly charged with helium as you have the other tubes so that we can have an extra tube here. We are entirely dependent upon the little quartz tube because we broke accidentally the big tube that you had fixed for us. So please get this evacuated and fixed up and get it to us as soon as you can. The Committee will pay for the work if you will let us know how much it is.

Phil has asked me to ask you to please send up the old bum tube that you have in your oscillograph and he will exchange it for a new tube and also send you a spare. He said you would know all about it. So, if you will get that up to us at the same time you get the other tube, Phil will see that you have the two new tubes.

Keep behind them on the Laboratory matter and don't let your memory fade.

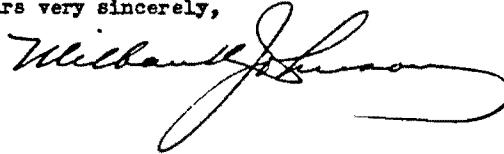
I am going to Sacramento Sunday night but will be home Thursday morning. I will be in San Francisco all day Wednesday and I shall try to see both Dr. Karl Meyer and Dr. Walker and see if I can do anything to hurry matters on.

Dr. Rife 2. January 31, 1936

800 BURLEIGH DRIVE
SAN RAFAEL HEIGHTS
PASADENA

Have you got your series running on the new Zeiss camera? I think that is very important and should be started as soon as possible.

Yours very sincerely,



Dr. Royal R. Rife
2500 Chatsworth Blvd.
San Diego, Calif.

Appendix 2

MILBANK JOHNSON, M. D.
PACIFIC MUTUAL LIFE BLDG.
LOS ANGELES, CALIFORNIA

October 15, 1935

My dear Dr. Rife,

You will find inclosed a copy of a letter which I just received from Dr. Schram, also, my reply. I am sending you this early in the game so you can think over what we will decide on when I get down there. I have expressed my views to her rather plainly.

I am also inclosing a copy of a chart prepared for me by Phil which shows the frequencies in kilocycles of the different M. O. R.'s we have worked with. Opposite these frequencies you will find the proper switch and settings on both groups. Also, you will find the limits of the frequencies of the different switches in the different groups. Now, in looking over the frequencies representing the M. O. R. of certain organisms, I find that the typhoid rod has 760 kc. and just above that you will find that the typhoid filter passing has 1445 kc. - that is almost an exact harmonic of the rod.

Assuming that the banana might represent the rod form of the cryptomyces pleomorphia - on the same plan let us assume that B. X. is the filter passing form of this same organism. If that is so, we should kill the rod, it being the harmonic of the rod form, at 800 kc. This 800 kc. will come in group No. 2 on switch 6. A reference to the proper chart under Group No. 2 would give the exact setting to get 800 kc. This is just a chance and I have no assurance that it will work out, but I think it is worth trying so I think I would try on switch 6 in Group No. 2 for your first effort to kill the fungus, or rather to kill the bananas. But, of course, go on through the whole series if necessary.

As I told you over the phone the other day, Dick and I will probably drive down Friday afternoon. We will go directly to the El Cortez and see you Saturday morning. Phil will drive down Saturday morning with the truck and bring the No. 4 machine back with him.

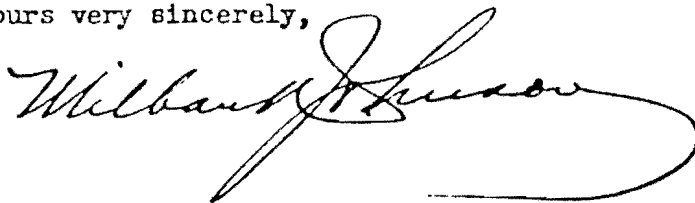
(Manual for Rife's Ray Machine #4)

Dr. Rife - 2

October 15, 1935

I hope you find that the new photographic apparatus meets your fullest expectations and I am looking forward to Saturday with great anticipation to seeing what you can produce. I would certainly like to see some pictures of diatoms taken on the still machine with your new microscope but that will work out in time I guess.

Yours very sincerely,

A handwritten signature in cursive script, appearing to read "Wilbur J. Hudson". The signature is fluid and extends to the right with a long, sweeping tail.

Dr. Royal R. Rife
2500 Chatsworth Blvd.
San Diego, Calif.

MILBANK JOHNSON, M. D.
PACIFIC MUTUAL LIFE BLDG.
LOS ANGELES, CALIFORNIA

October 29, 1935

My dear Doctor,

I am sending you that cigarette lighter which I am very fond of. You kindly said that you thought you could make it hold gasoline. It leaks and is utterly impractical in the condition it is in. I don't want to bother you with this but, if you can fix it up at your convenience, I should certainly appreciate it.

Next morning after you left, I ran out to the Hooper Foundation to call on Dr. Walker, just a social call. From what he and his assistants said they seemed to have enjoyed your visit very much and are looking forward to the time when you can go up there with your No. 4 microscope and show them some of the wonders of the world.

I still think it was of vital importance that you should have gone to San Francisco as you did and I want to thank you for the sacrifice in time that you made. You must acknowledge that they were discouraged when you got there and now they are lighting into things with renewed zest.

I have not yet made up my mind just what I am going to do with Dr. Schram. I am still thinking about it. So, I have finally decided that I would write the letter and take it up to Mr. Cochran and see what he thought about it.

→ The No. 4 Rife Ray, ^{made} is now installed in the Santa Fe Hospital and we will begin serious work on it with patients next Thursday.

I had a dandy letter from Arthur Kendall last night. He said that within a month or so he thought his article on Bacteriophage would be published and he would let us know. He said he received your letter acknowledging receipt of the microscope.

Very sincerely, your friend,

Dr. R. R. Rife
San Diego, Calif.



MILBANK JOHNSON, M. D.
PACIFIC MUTUAL LIFE BLDG.
LOS ANGELES, CALIFORNIA

October 29, 1935

My dear Jack,

Thanks for your letter of October 26
in re the M. O. R. of Staphlococcus.

The machine has been set up at the
Santa Fe Hospital which is located at the
corner of East Sixth Street and St. Louis Street
in Los Angeles. Our hours have not been set
definitely. Anyone you want to refer to us had
better be sent to my office.

I do not want to undertake new cancer
cases until we get the M. O. R. of the bananas. I
hope you are still working on them. I believe
the time of treatment and the effect of the Ray
will be very much improved when that is obtained.
Then, we can give the B. X.-M. O. R. and the
banana M. O. R. with a better chance of complete
success.

Hope you received the tickets I sent
you yesterday. *for the operation.*

Yours very sincerely,



Mr. Jack Free
2500 Chatsworth Blvd.
San Diego, Calif.

copy to
PLECROPHIA (FUND 1)

Appendix 5

MILBANK JOHNSON, M. D.
PACIFIC MUTUAL LIFE BLDG.
LOS ANGELES, CALIFORNIA

November 25, 1935

My dear Doctor,

The copy of a letter I received from Dr. Walker was mailed to you accidentally before I had an opportunity to add something to it. So, here goes.

I wish you would write to Dr. Walker and find out what seems to be the matter up there. I don't want him to get discouraged and quit trying. I can't understand first, why he gets so darn few cases; and second, why he isn't able to grow that organism. I believe if you would write to him you might cheer him up a little.

— > Phil was in this morning and showed me the oscillograph and told me what you people had been doing with it. I think it is perfectly marvelous that, at last, you have found something we can use as a yard stick and quit guessing on the Rife Ray. I told Phil that, when he could make up his mind just which oscillograph he wanted to buy, I would be very glad to give him a requisition for one, because I think we should have one to watch what we are doing. Phil tells me that you are planning on getting one also. That would be fine, but I hope that you and Phil buy yours together so that we will have two instruments that absolutely match each other. Then, the records that you make down there can be adjusted to our machine up here, and vice versa. It would simplify our work immensely if the two oscillographs were thoroughly synchronized.

While you have the machine down there, I hope you and Jack are working on those bananas so we can get an M. O. R. for them, if possible. As soon as you send Phil and the machine back, I am going to start Phil on making your machine. ~~We have~~ some of the stuff already but everything has been shot to pieces by this interruption. However, I think that this interruption has been well worth the time, inasmuch as you have succeeded in

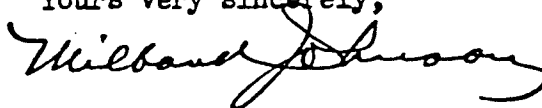
Dr. Rife 2.

November 25, 1935

finding how to read the oscillation.

Please write to Dr. Walker and cheer him up. Maybe you will have to go up there yet with your No. 4 microscope and give him another shot in the arm.

Yours very sincerely,

A handwritten signature in cursive script, appearing to read "Wilband Johnson".

Dr Royal R. Rife
2500 Chatsworth Blvd.
San Diego, Calif.

Appendix 6

APPENDIX SIX

November 4, 1936

My dear Dr. Brumer:

Your note of October 30 just received. I shall be very glad to meet your friend, Dr. Maude Abbott, when she arrives in Los Angeles or Pasadena and we will do whatever we can to make her have a good time. I am always glad to meet your friends.

We are having a great time out here. I have opened a clinic in the Pasadena Home for the Aged and am having excellent work. Of course, what I am trying to do is to experiment with the effect of the Rife Ray on bacteria in vivo. Our laboratory work has demonstrated pretty conclusively what it will do in vitro.

The clinic is held three mornings a week, Tuesday, Thursday and Saturday. Yesterday I had eighteen patients. Among them were two cases of pulmonary tuberculosis, three cases of carcinoma, two cases of old chronic varicose ulcers of the leg, and sundry other cases of more or less definite infectious origin.

Last summer, in hunting for an MHC for the other two reproductive forms of the erythrogenic plasmodia, we ran into a new kind of oscillations which introduced itself to us by killing all three forms — those that we called M, our filter-passing form; then a transitional form such as you found in the monocytes in the blood; and then the third or highly developed form coming from the sporangium forming from the hyphae of the mycelium. At the same time that this new wave band arrived, we broke all the glass in the laboratory of a certain shape, not only in the room where we were working but in all the other rooms. As we had moved into the new laboratory before the referred sonarite was perfectly dry, we had been troubled a great deal with a mold because in the microscope room there were no windows, but this mold not only destroyed that mold, which was growing on leather objects in the room, but every bacteriological culture that we had in the laboratory! It cleaned us out completely so that we had to start from scratch and replace our losses. In fact, we were all so surprised that we began to feel each other's pulses to see if we were still alive. As no harm had been done to us, we proceeded to test the new band out on mice, rats, rabbits, guinea pigs, and dogs. So far as we were

Dr. O. C. Gruner

- 2 -

November 4, 1936

able to discover, it is not at all destructive or injurious to normal cell tissue. While we have been forced to modify our machines so as to produce this new band, still it is so much more effective clinically that we look upon it as a very advantageous discovery. However, our experience has forced us to do all of our experimenting with the new ray completely outside of our laboratory building or abandon all forms of bacteriological experiment, because it instantly kills them all.

In my clinic, Doctor, I have a lot of trouble in determining quickly without biopsy the diagnosis in suspected malignant cases, and it has occurred to me that if I could get a fresh tube of your vaccine made from the cryptomyces pleomorphic, it would not only help me in determining the nature of these suspected cases, but it would assist you in demonstrating the efficacy of your vaccine. Would it be possible for you to make up a tube that I could use? After the general clinical results that I have obtained thus far, I can assure you that no one, not even myself, could help but be astounded at the results we are now obtaining with the assistance of our new machines and our new band of MOR's.

I certainly wish that you were here to work with me because I am afraid that even you, who know what we are trying to do, will not believe some of the yarns that I would have to tell you as to what is occurring in that clinic without actually seeing them yourself!

If you could make me some of that vaccine, I would appreciate it very much if you would do it right away so that I could have it to go on with. I will send you a report of all the cases that I use it on.

Of course, with our astounding presidential election that took place yesterday, none of us know which way the cat is going to jump, but I can say this to you, that I find my little bugs much more tractable and predictable than the human race, and the way I feel this morning, my association with them has been more satisfactory than with my fellow man up to date! Maybe I will not feel this way next week.

With kindest regards to yourself and Mrs. Gruner and also to Dr. Archibald if you should see him, I am

Very sincerely, your friend,

MILBANK JOHNSON

Page 61
The Rife Way III

*This letter is in answer to the attached copy -
It shows that Dr. Gruner has not forgotten us
"See" didn't we get a warning of the election
yesterday?
Sincerely
Mildred Johnson
10/14/36*

Appendix 7

My dear Dr Johnson,

Yours of the twenty-third received and am sorry to say I am having some difficulty in getting my filter-passing forms in shape as I have been sick for over a week and have done little or no work.

The more I think of Bridges passing on any capabilities or faults of my microscope the less good I can see derived from the whole affair. Who is he to pass judgement on my microscope? As far as I know he has never even built a hand magnifying glass furthermore I do not think that anyone that has spent twentyfive years on one job and that one job still uncomplete is in any position to judge the work of others.

That Cal-Teck and Mt. Wilson crowd promised us, as you remember, an absolutely confidential report on the old no. one scope. You are also aware they did not even test the instrument and moreover published that it was lacking in the merits of the standard microscope. So I think the less we have to do with anyone associated with this group the better off we will be.

I do not care ^h what a few of the narrow minded sceptics think of my microscope and as you know if it was the best in the world there would still be those few that would scream fake.

I think that the photo-micrographs that have been made with these instruments speak for themselves. There are only two men in the world that I consider capable of testing any complicated optical devise, one of these is Lucile of Germany who studied under Abbe, the other Raymond of the Royal Society of England.

I am preparing a paper describing the optical principles of all of these microscopes in full detail which will be published both here and abroad and until this goes to press. I feel that nothing should be done, as I am becoming weary of what these so called physicists think of my work.

I have given many years of my life in a work that ^{have d} I hope may be of some benefit to mankind, as you know I have published little but I have volumes of records of this work which will be left as my bequest to humanity and they can take them for what they are.

I cannot understand why Mr Wells has failed to get in touch with me unless the Spencer crowd has thrown cold water on the whole affair thru the influence of some of our mutual friends.

I sincerely hope you will take no offence at this letter as it is merely my view of the whole affair. I do appreciate more than mere words can express your earnest cooperation and the assistance you have given in a work that we have all strived to accomplish.

Mrs Bridges is feeling some what better today but is still very weak.

With kindness regards to both you and Mrs Johnston,

Page 62
The Rife Way III

11-25-36.

from the private archives of Jimmie Holman & Paul Dorneanu
I remain very sincerely yours,

Roy Rife

MILBANK JOHNSON, M. D.
~~BAKINGEYMMTOLAKOFFE-8609~~
LOS ANGELES, CALIFORNIA
Subway Terminal Building

December 7, 1936

My dear Roy:

Enclosed please find a copy of a letter from Dr. Meyer which is self-explanatory and which I am sending you for your information.

I received your letter in regard to Dr. Bridges and I must say that I am at sea to know what to do. It still appears to me, with all that you have done in the development of facts which are of paramount importance to the world and which entitle you to every honor conceivable, that still unless you are recognized by the profession of medicine, all the facts would be of little avail to humanity. Recognition of you and your work has been my aim for the last three or four years and it looks like you have built up in your own mind an insurmountable obstacle to that end.

I do hope that in the near future you and I can have a good long heart-to-heart talk about the whole business and come to some reasonable solution to the problem. You now have as perfect a one-man laboratory as anyone could desire but you know you cannot make a reputation out of brick and mortar, because if that were true, the Rockefeller Foundation and Cal Tech would have reputations so high that nobody could approach them. Principles, a compliance with the amenities of life, infinite patience, and a willingness to subject oneself to all kinds of personal inconveniences and worries have been the price that every great research man has had to pay for success. Money and equipment in the past have never produced the great advances that have been made in the world of science.

I wish you would plan to come up to Los Angeles in the near future so that we can discuss this whole matter plainly with an idea of arriving at some definite conclusion and avoiding future misunderstandings.

Yours very sincerely,



MILBANK JOHNSON

Mr. Royal R. Rife
2500 Chatsworth Boulevard
San Diego, California

600 BURLEIGH DRIVE
SAN RAFAEL HEIGHTS
PASADENA

December 7, 1936

My dear Dr. Meyer:

I certainly do hope that when you come to Los Angeles, we will be able to get together for a chat. I have much to tell you and, I hope, much to learn from you.

I am conducting a very interesting clinic three times a week with the Rife Ray, treating about twenty to twenty-two patients a session, and we are obtaining such valuable information from our work. We are encountering many physical problems in the production of the Ray, the greatest difficulty being to obtain uniform results from the apparatus which we have. At times the results of the Ray are absolutely astounding, causing an instantaneous sterilization of the wounds, whether interior or exterior. But owing to slight changes in temperature of the room and apparatus, the same setting of the dials does not give us the same output, and hence our results are unsatisfactory. However, we believe now that we have developed it to a point where we can very greatly diminish the errors in output and substantially increase the beneficial results or the efficiency of the apparatus.

I am very sorry that Dr. Walker has not been well and I hope that he will soon be out again and back to work.

If I don't see you before the holidays, let me take this opportunity of wishing you and yours a Merry Christmas and a happy and productive New Year.

Yours very sincerely,

WILBAH JOHNSON

P. S. If you can let me know in time when you will be in Los Angeles, I would like very much to call a committee meeting at that time. We have not had one for so long that I believe it would be a good thing to do.

W. J.

Dr. Earl F. Meyer
George Williams Hooper Foundation
San Francisco, California

***TELL YOUR FRIENDS
ABOUT
RIFE WAY III***

Appendix 10

June 1, 1937

Dr. Joseph D. Heitger
701 Heyburn Building
Louisville, Kentucky

My dear Joe:

Your very welcome letter of May 29 just came in this morning. I was surprised to learn that Katrine was in Pasadena. It seems to me that I had heard somewhere that she was to be out here at some wedding, but I had not heard that she had arrived. We both hope to be able to see her before she returns.

I closed my clinic on May 28, having been running it for eight months. Our special effort this past winter has been working on cataracts, and while we have treated a number of other infectious conditions (if cataract is an infection), still our principal work has been on the eye.

We have had about thirty cases of cataract. Three of the cases had, as complications, a dewy cornea, if you know what that means. Most oculists do not. We treated the dewy cornea empirically with the same MOR that we used on the cataracts, and the dewy condition disappeared very promptly. In two of these cases, the patients had both cataract and dewy cornea.

The clinic just closed last Thursday, and I have not as yet had time to completely recapitulate and classify all of the cases. I am in the middle of that job right now. When I get it finished, I want to send you a copy of it for your disinterested criticism. The facts that will be brought out by this report are not guesses, but in every case, they are the result of first, an initial examination by Dr. J. Ross Reed, an oculist of Pasadena, whom no doubt you know. This record is placed at the head of every case before I take it, and during the treatments, which average about thirty exposures of three minutes each with the Rife Ray, Dr. Reed examines the patient, reporting to me the progress, if any, which has been made. When the corrected vision gets 6/6 in one or both eyes, the patient is dismissed as functionally cured, even though the visible opacities have not been entirely eliminated. These reports are carefully checked with the ophthalmoscope. What will no doubt surprise you, Richard Winter, my nephew, has photographed all of the interesting cataracts for me, giving us a permanent record which could not be influenced by any desire on our part, the camera being unemotional and recording only facts.

Every case that we have treated, with the exception of one which was a traumatic cataract where the lens was absolutely opaque and of recent origin, has been benefited. The process of coagulation has been stopped and there has been a distinct retrogression of the opacities, resulting, in most cases, in a complete restitution of the function of the eye.

The great trouble that I am experiencing, not only with cataract but with other conditions, is to build a machine that will definitely and constantly give an absolutely predictable output. Experience has taught us

MILLERANK Johnson, MD

Dr. Joseph D. Heitger

-2-

June 1, 1937

that the machine, as at present constructed, varies very markedly under different weather conditions. Wet, cold days at a given setting of the dials, we do not get the same output at the same setting that we do on dry, warm days. As our yardstick for measuring the oscillations coming out of the machine is hazy and very difficult to use, you can readily understand some of our trouble.

I certainly wish that you were here to study with me our findings. I do not want to fool myself, and I have taken every precaution that I know of to prevent that sad occurrence, because I am convinced that the biggest fool in the world is the fool who fools himself. Yet when you consider the advanced age of the patients, averaging well over 70 years and some of them going as high as 93, their reactions, both ~~psychic~~ and physical, to any form of treatment that promises to benefit them are very apt to lead any observer astray.

Not being a trained oculist myself, I have tried to rely only on Dr. Reed's findings. I have, however, formed in the back of my mind one very definite conclusion, and that is that there is a lot about cataract that doctors don't know yet, and that the opacities which we see in the lens are not the sole cause of the lack of vision.

I hope you will pardon this rambling letter and lay it to the fact that I have not yet organized my own work and my own thoughts on the matter. I will send you, as soon as it is prepared, the complete factual information based upon absolute findings, and give you the source and means by which we arrived at any conclusions which we utter. You can take the following as a definite finding: The application of the Rife Ray as we have used it, does, in the great majority of cases, restore the full visual function of the eye; that is, that portion of visual disturbance due to opacities in the lens. How it does it and why it does it, I do not know, but the above statement is an actual fact, supported now by many cases.

Oh Lord! How I wish we could get together and go over this work! I believe it will result in epochal changes in the profession's handling of cataract cases. I have learned a whole lot about cataract and how to use an ophthalmoscope and how to photograph the lens for opacities, but owing to my lack of actual knowledge of the eye, due to my lack of experience with it, I still do not feel very secure in coming to conclusions.

Wishing you and Mrs. Heitger a pleasant and profitable summer, I am

Very sincerely, your friend,

MILBANK JOHNSON (Signed)

P. S.: What I have told you above is told in the strictest confidence, as we are not yet ready to make a public announcement -- we hope to be ready shortly.

My Dear Dr. Gonin:

I called yesterday on Mr. Miller of Weinberger & Miller and had quite a chat with him, and will see him again within a day or so. He informed me that he had written you explaining that it was not anything to do with your case against Beam Rays Inc., that I was subpoenaed.

We have one decided "fly in the ointment;" and if that individual had have done the proper and right thing, there would have been no trouble in any way.

I spoke only Friday Evening to a Mr. John Chamblin, a radio man now connected with Beam Rays Inc., about the redesign and building of a device according to the old original Rife Ray principles; as the present instrument has been so deviated away from that old principle that it is nowhere near the same.

I know nothing about the experimental machines you have, as I was never even asked to see them or to pass on them in any way before they were shipped to you. But Henry stated in one of his last letters that he had tried one of them on a culture of his bacteria and it had failed to do the work. I would consider from that, that those devices which you have are merely working on a harmonic and not a true frequency; and in our research on electronics, we definitely know that there is no possible way of controlling electrical harmonics of a frequency.

I have been ready to come to England for some time. I have all my papers, birth certificates, and passport, and even had my reservations made, which of course I had to cancel after I was subpoenaed as a witness for the Hoyland-vs-Beam Rays Inc. trial. What he expects to gain by subpoenaing me as a witness I do not know, unless it is to prevent me from getting over there and talking with

Rife vs. Beam

you. As I know for some reason that he has been very adverse to my going over there. He claims to be the primary owner of the whole idea, and has even made statements that he was the one that found all the exact frequencies; and has tried to throw Beam Rays Inc. into bankruptcy, so that he and a bunch of Los Angeles Jew promoters can get the whole thing in their hands. He stands absolutely alone, as there are none of the Board of Directors or Stockholders of the Company that are in discord.

I wrote Mr. Bluett some months ago stating that if you people did not receive the proper data and frequencies, I personally would see that you did receive them, and I can assure you that it will be a fact. Mr. Comparet, the attorney for Beam Rays is getting together with your representative, Mr. Miller in the next day or two, and I am in hopes they will be able to work something out of the whole affair.

The microscope has been ready for some weeks and is dismantled and ready to go into its respective cases. And the motion picture film is all finished, showing the complete method of the isolation of B X, directly from the human tumor, the inoculation of the experimental animal, the removal of the tumor surgically, and the recovery of the B X from the tumor. This film shows the complete interior of the laboratory, this method and technique of bacteriology and filterable virus, and for the first time ever shown electrical frequencies and wave forms on motion picture film. These frequencies are from several types of electrical therapeutic apparatus, and is concluded with frequencies and emanations from the much condemned Abram's Apparatus, proving that there is actually an electrical emanation and true wave form coming from that device.

Royal R. Rife

I am more disappointed than you can imagine for this delay of first my birth certificate and passport, and now these court proceedings of which I can justly assure you I have no control and are entirely to my dislike. The queer part of this whole affair is that I was served with a subpoena just one day before I was supposed to depart for England.

As near as I can understand the Hoyland-vs-Beam Rays trial will not come to court before the middle of next month at the earliest, judging from the court calendar, giving me time to bring the microscope and other material to New York, but not time to go to England and do any good. If you could spare the time and would consider it advisable to come to New York, I could meet you there, and at the same time, possibly enlighten you to some degree on this Beam Rays set-up. I received the money you sent me a few days ago, and it is, at the present moment, reposing peacefully in the bank.

I have not heard from Henry for some weeks, for I presume that he was expecting me on every boat. I do hope your work is progressing nicely, and was much pleased to hear that Henry was able to show Dr. Crofton some filterable forms. I would consider it a favor, if you would extend to Dr. Crofton my invitation to work with me in my laboratory along that line, any time he might desire, and I am quite sure I would be able to show him many things of importance and interest. Also if you at any time have anyone you would wish to send here personally, I would be delighted to show and teach them anything within my humble capabilities.

Hoping this finds you in the best of health and with kindest regards to Mrs. Gonin, yourself, and all of my friends there

Very sincerely yours,

Royal R. Rife
Ronal R. Rife

Federal Bureau of Investigation
United States Department of Justice
Washington, D. C.

July 21, 1941

Mr. Royal R. Rife
3655 Alcott Street
San Diego, California

Dear Mr. Rife:

Mr. Nathan in charge of the Bureau's San Diego Field Division has advised me of your kind offer to make available to the Federal Bureau of Investigation the facilities of your laboratory. This is indeed appreciated. At present the laboratory analysis of evidence in investigations is conducted in the Bureau's Laboratory at Washington, D. C. If at any time in the future the services of your facilities would be useful I will be glad to take advantage of your offer.

Sincerely yours,

J. E. Hoover

John Edgar Hoover
Director

June 23, 1942.

Dr. Royal R. Rife
Rife Laboratory,
Point Loma,
San Diego,
California.

Dear Dr. Rife:

Dr. J. H. Renner of Santa Barbara, California, has advised me that, due to the fact that your optical system in the Universal Microscope is as yet unpatented, it will be impossible for us to obtain a sketch of the course which the light beams take in traveling from the objective to the ocular. There are a few questions we should like to ask, however, before completing our paper on "New Microscopes" and submitting it for publication.

First of all, you mention in your description of the Universal Microscope that it has an out-to-out tube length of 200 millimeters. In another description you have stated that the virtual tube length is 449 millimeters. Are we correct in assuming, therefore, that the actual physical length of the tube is 200 millimeters and the total length of the course which the light beams travel is 449 millimeters, thereby allowing for five or six prisms in the tube? Also, you have stated that in the Universal it is possible to see an object which measures less than one-half the wavelength of light by which it is illuminated. More than one wavelength is utilized, naturally, but may we ask which particular wavelength you employ in revealing the B. X. virus of cancer, for instance? Since you have stated the approximate size of the organism, your calculations could be compared with the formula - wavelength of light divided by twice the numerical aperture.

In the article which appeared in California and Western Medicine in 1931, a short description of the microscope used by you in your work with Dr. Kendall on the Typhoid bacillus was included. Was this instrument the Universal microscope? And if so, or if not, would you tell us why the plane of polarization was deviated first plus 4.8 degrees and then minus 4.8 degrees? I believe there was supposed to have been an explanation of this elsewhere, but to date we have not located it. Such an explanation would doubtless add to the interest of the paper and would, at the same time, clarify any question on this point which is sure to occur to the readers. Also, I believe you do not use Nicol prisms. May we ask in what way your prisms are different? And in observing the cancer virus, do you use your 1.25 oil immersion lens?

We would also like to check whether or not only one lamp is used in your illuminating system on the Universal and what effect the presence of the three prisms in this lamp have upon shortening the wavelength of light, if any, and just how we might compare the illuminating unit used in the Universal to that of the ordinary

Dr. Royal R. Rife

Microscope. By that I mean, we understand it is the means of illumination which has much to do with the results you are able to obtain but we do not understand fully just what actual effect the lenses and prisms have upon shortening the wavelength of light. I think you will see what I mean when you read over the copy of the paper I am enclosing for you to read and criticize. It is incomplete, of course. We are trying to compare the Universal with the ordinary microscope. The average doctor does not have much knowledge of the physics of optics and we are endeavoring to make all explanations as clear as possible. You will note a sad lack of explanation in that portion of the paper which has to do with the illuminating unit. Can you help us out, please?

One other question: You say each organism is revealed according to its individual structure and chemical content. When Dr. Lang returned East, he mentioned that the virus of tuberculosis was oval in shape instead of the rod-shaped organism we have been accustomed to viewing. How can we convincingly account for this change in structure; that is to say, what inadequacy of the ordinary microscope would tend to give us a misleading idea of the true form of the organism? And isn't it true, then, that if tuberculosis is revealed as different in structure that other organisms differ also when seen under the Universal scope? Under the spectroscope each organism might appear to be the same shape but of different color. Is this true or not of the Universal? And does the field appear to be small? It would seem so to us, but we cannot say so unless we are sure. What type of spectra is emitted by these organisms? Is it possible to view the flagella of typhoid with your instrument and at what magnification?

Our problem has been this: In order to properly appreciate what you have been able to accomplish with your Universal microscope, it has been necessary to try and understand just how the best results are obtained with ordinary microscopes, and this will also be the problem of the average doctor who may chance to read this article. Hence, we wish to offer as much explanation in the way of comparison as possible. We hope to have the paper completed within three weeks and would appreciate it if you would permit Mr. Siner to reply at once to these questions. And please feel free to tear down the paper as much as you see fit. We want your criticism and will be happy to correct and add any statements which you suggest. A copy of the final paper will be sent you for reading and criticism. I am sending a copy of this letter to Dr. Renner and Mr. Siner since both gentlemen have expressed an interest in this work of bringing the new microscopes, especially the Universal, to the attention of more medical men and other men of science. I shall appreciate hearing from you.

Very Sincerely,

Page 73
The Rife Way III

Raymond E. Seidel, M. D.

RES:BW

March 22, 1958

TO WHOM IT MAY CONCERN :

Subject : Statement of facts regarding the association of myself,
Royal R. Rife and Dr. Yale M.D.

My first association with Dr. Yale came through an organization known as the Beam Ray Corporation. In order to acquaint you with the details of the formation of this corporation I shall bring in a little background. My assistant at that time (1934) in the laboratory was Philip Hoyland whom I met through Dr. Milbank Johnson M.D., Medical Director for the Pacific Mutual Life Insurance Company. I considered Hoyland as a capable electronic engineer and brought him to my laboratory in Point Loma on Alcott Street, San Diego, Calif. Hoyland became associated with a promotor named Hutcheson and Dr. James B. Couche M.D. They came to me with the idea of forming the Beam Ray Corporation to manufacture and distribute the Frequency Instrument to the medical profession. I gave this considerable thought and came to the conclusion that if these instruments were manufactured and placed into the hands of legitimate and bonafide medical practitioners, my efforts, over a period of years would derive exceedingly more benefits, so I gave this corporation permission to manufacture these devices on two stipulated conditions; (1) that they would adhere decidedly to the original basic principles of the Frequency Instrument and (2) that each Frequency Instrument would be thoroughly tested before delivery to determine its true devitalizing power and effect on pathogenic bacteria. And so they went ahead. Three instruments were built. The first two were shipped to England (unwired as Hoyland wanted a trip to England) and the third went to Dr. Hamer M.D. at the Paradise Valley Sanatorium and Hospital. Dr. Hamer was the superintendent there I believe. Hoyland was like many men with whom I have associated over a period of years. In a short time he began changing the basic principles of these instruments according to his own ideas. About this time he became associated with Dr. Yale and Yale ordered and received another or the Fourth Frequency Instrument. Since I was out of the city of San Diego at the time, all of these devices were delivered without being tested by myself.

At a much later period, I called on Dr. Yale at 333 Plaza in San Diego which was the address of his clinic at that time and told him that I did not feel that the Frequency Instrument had been calibrated properly so that it would not work. In the interim, I became associated with another electronist by the name of Verne Thompson, of San Diego. Under my supervision, Thompson rebuilt Dr Yale's Frequency Instrument which I tested in my research laboratory on pathogenic bacteria and the Frequency Instrument proved effective. Then later at different times I had this instrument checked and found it lacking in its ability to devitalize anything. I later learned that Dr. Yale had ideas of his own and would have somebody change the Frequency Instrument to suit his individual whims. I will state here definitely that I have never been associated in any way with Dr. Yale outside of the interest that I have taken in some of the patients of Dr. Yale.

My Commission Expires February 26, 1959

NOTARY PUBLIC

State of California
County of San Diego

Royal R. Rife

Royal R. Rife
Director of Research
Life Lab Inc.

JOHN F. CRANE
4246 Pepper Dr.
Dear Johnnie : San Diego, Ca 92105

Hi ole buddy. Thought I'd better get out the data and results of the past second week.

Well to start with, none of the patients gave died as yet, even tho I do expect two of them to die. The one man with the bad leukemia as well as the younger man with the Cancer of the bowel and stomach. First, the man with leukemia has been sent to the hospital, for added blood transfusions only. I can't treat him there, so I've suspended him, the other a man of 52, had, in a prior operation, 2/3 of his stomach removed due to this terrible growth, well, he can't eat, hasn't eliminated for 6 weeks, he cannot eliminate due to the matted growth, thus no eating no eliminating he is but a week away we think. I'm treating him however but I don't expect to save him. Dr. Jeppson thinks the autopsy will prove the treatments given. He feels this will help.

The other leukemia patient, age 65 is feeling fine, but her count is showing her blood leaving her body, even tho I've treated her so far with 5 treatments, and her condition is much better in spite of it, so the Dr. says. The lady 42, with cancer of uterus is very much better, and this is varified by Dr. Holstrom to Dr. Jeppson as he had given her Xrays and knows much of her condition. They feel she is recovering so far. The three very bad Acne cases are all clearing up perfectly, and this is a rather impressive thing to Dr. Jeppson since no one has yet found a real cure or elimination of this crummy disease. The Cancer of the Bladder case at the Hospital I cannot treat of course, but she is due for an operation this week, so I've been told them a pathological report will varify our treatments, even tho she has had but 3. I feel this is a poor representation however, so I'm discounting this patient also. If we do get any credit then I'll except it of course. ha

The very bad Rheumatic Arthritis case is getting some better, but not too noticable yet. He's in his 73rd year and had this for the past 8 years, so heck, they've got to give it time, naturally. I've impressed them here to not expect miracles when it has taken the patient to go down in 2 to 8 years and we are supposed to arise them from the dead in 3 minutes. I told them time will help, but don't expect a spectacular thing in healing immediately. However some cases seemed to act that way at times, I've told them.

This is the sum total so far, Johnnie.

Personally I've told Dr. Jeppson, we really don't have enought patients to get a very good report as an overall picture as to the real value of this instrum. He agreed, however he has combed his cases he said and from these he got what he now has and the rest wouldn't except this form of treatment since it is an experimental thing here. But he feels very good toward us and the Instrument and the apparent successes we are having so far. He feels it is doing something toward helping to rid some of their diseases. The Acne cases are the ones he can visually see. The others he can't. Oh yes I almost forgot, he has treated with two treatments and I with one a very bad case of Psoriasis. This is a bad skin infection, causing burning and itching, raises a welp then causes a crust to form on top of that about one sixteenth of an inch which keeps peeling off causing scabbing all the time. This man picked it up in the South Pacific. It is like a jungle rot or leprosy. Same effect. Now, to my knowledge I've never treated a case of it and so we've thought we'd treat it like Skin cancer and TB combination. With this we've been successful so far. It is 50% better Dr. Jeppson said yesterday. This is a dreaded disease, covers the entire body, looks terrible. This man was an Army Capt. and has had this since 1942, and to date no cure anywhere. However I can say we are succeeding with it and this is astounding to Dr. Jeppson since he can visually see it go.

You see Johnnie, these poor Doctors and their elite education, has made them no less than in a class with others who know so very little about diseases. They are typical of the ignorance covering the Earth. Here, in this City, I've literally shaken them out of their boots. Dr. Neilson who is one claiming it to be a fraud, and one on the Tumor Society here said that Dr. Alvin G. Foord told them he fully intends to

take this to court and sue the private offices of James Holman and Paul Dorneanu for their propaganda campaign.

So far, Johnnie, it appears the mens names we've used in our papers as those who had been associated with Dr. Rife, are definitely denying their association with Dr. Rife and aim to put a stop to our existence. However, Dr. Neilson knew nothing of the Instrument but just took the word of the A.M.A. and their report of Dr. Yale as well as the reports of Dr. Foord and others. I haven't yet gotten their names as yet who else deny's their association. Mr. Jack Margotts, President of the Stokermatic Company here wants to produce these instruments, yet he lives across the yard from this Dr. Neilson. And as a friendly neighbor, Dr. Neilson told or advised them to ignor it. Don't have anything to do with it. Its dangerous business. Then Jack Margotts asked him what he knew about it and he told him what he knew which was nothing but passed on "here-say". This is the ignorance we are trying to compete with. However I wasn't shaken by this at all, and I had a meeting with the Garffs and Jack Margotts and told them the truth as I knew it, and they are quite assured we are just being called names because these M.D.'s are afraid of their very jobs. And with this, they are going to try to stop this mess, thru the M.D.'s here who can see the favorable results of these treatments now being conducted by Dr. Jeppson who by the way is being ridiculed badly by those who are in the adverse "click" here. Every City has them and these men here fully intend to either prove us the fraud these others think we are or shut them up for good, once and for all. I'm personally glad, Johnnie this is happening since it'll not break us but make us, I feel.

Now, Dr. Jeppson intends to keep on with these treatments, and aims to prove to himself that what he feels is right by us, is to give it a fair trial, even tho he is harressed by those who know him here. They feel he is sticking his neck way out by using this instrument, but he feels that if Dr. Stafford stuck his neck out and had results and that I've been so sure of the results also sticking my neck way out, jeopardizing my job at times and my families income, there certainly must be something here more valuable that meets the eye.

Last night, Johnnie I met with LaMar Williams, to discuss the Churches Stand in this who thing and the People behind it. I was just curious as to the feelings of these men and their authority, to voice any opinions etc. This is what I felt you should know.

As you know, Johnnie, Our Church is headed by an Official Office of the First Presidency, in this there is President David O. McKay, head of the Church, with him are two others, J. Rubin Clark (Former Ambassador to Mexico), and Steven L. Richards, 1st councilor to Pres. McKay. Then there are 12 Appos'ts., All 12 are equal to the President in power in the Church, they are Joseph Feilding Smith (grandson to Hyrham Smith (Joseph E. Smith the 1st) brother. he is also Pres. of the quorum of the 12 Ops'ts. Now they are in name as follows, Harold E. Lee, Spencer W. Kimble, Mark Peterson, Ezra Taft Benson, Delbert L. Stapley, Marian G. Romley, Henry D. Moyle, George Q. Morris, LeGrand Richards, and Richard L. Evans, and one dies recently to be replaced on Easter (this I shall see). Now in Order to the Offices there is also Assistants to the Quorum of the Apostles's, they are Elray L. Christiansen, (President of the Temple here), Sterling W. Sill, Commentator on W.B.C. New York, Clifford E. Young, Elma Sonne, and John Longdon, one of these also died to be replaced on Easter. Next in Power are the Presidents of the 70's, next in rank to the 12 Apostles, they are Antone R. Ivans, S. Dill Worth, Levi Edger Young, Bruce R. McConkie, Marian D. Hanks, Milton R. Hunter and one of these men died to be replaced an Easter too. Then next are the Presiding Bishoprick, Joseph L. Worklin 1st councilar, Bishop Thorp B. Isaacson, Carl W. Buehner, and last Eldridge G. Smith (Great Grand son of Hyrham Smith Patriarck of the Ch.

I've presumed why I've given you all of these Officers here. Well first of all Johnnie, All of them are aware of this instrument. All are being informed as to its progress. All have excepted the trials carried on here. Pres. McKay is given daily reports even to the adverse conditions by some of the Church's medical Staff. This is really proving the Godliness of some of the Members of the Church as well as the top Command. The Tv. Station here is standing by for any announcements to its success. The Deseret News Paper Editor is ready for any editorials, the Western Union Telegraph has been notified, Radio Stations thruout Utah. All of this was done by LaMar Williams. He is in the fullest accord with it and know it should be exposed in the proper way, at which time the bad forces will also be exposed. I'll say this Johnnie, we've got a great

from the private archives of James Holman & Paul Dorneanu

group of men and a solid foundation pre-set if case we are mistreated. I've learned also the A.M.A. dislikes the Mormons, thus even the more reason the Church would want to squelsh their stupid antics. You see Johnnie, I've worked here, many nights up till 12 and 1 AM to keep this foundation we are striving for, on a solid one and if there are any wrongs to be cast, they shall go to the proper sourse, and believe me, I'm not to sit on my rear end waiting for them to make the first moves.

Since LaMar Williams is in President McKays office, head of all broadcasting thru-out the world as far as the Church is concerned, also makes all recordings, and is their top Photographer of all important activities here as well as abroad, you can well see why it is intelligent to keep him well tapped in on my activities here. They've set up a professional file in the Church Administration Building for us. They have all of the correspondance of what we've written to them in it. They are making a history of this deal in pictorial stype also.

Mark Peterson, one of the 12 Apostles who is higher in it than Ezra Taft Benson, yet, has kept in touch daily with LaMar Williams at his office. He is extremely interested and very wealthy. In fact most of them are wealthy to say the least. And of course Bro. Benson will know it this right pronto too. So you can just bet, I'll either make them love me here, or hate the ground I tread upon. There wont be a half way in between. And with the Influence I can assurt thru LaMar Williams, we are all set. He is in the top office and know every one of these Officers personally since he records all of their activities too. They know him. He hold a very high rank here, and is a wonderful man to say the least, boy in this we are indeed fortunate. The Garff Brothers are millionaires too. They've just invested 4 million into a recent deal. They own a great deal of the City here. They own the Beneficial Life Insurance Building here, a $\frac{1}{2}$ half block structure of 8 stories, in the center of town, and scads of other holdings, too numerous to mention here. I'm having Sunday dinner at Major Garffs home tomorrow. He came to LaMar Williams house to ask me last night. They are with me, and haven't shaken from their feelings as yet. This is a good move on my part, to keep a very healthy feeling in their minds after they hear of all of the crap handed to them daily. They are very influential too in politics here, the Church, and business in general. Everyone knows the Garffs. They are some of the first pioneers to Utah with Brigham Young, and are a highly respected group. We are fortunate also in this.

So Johnnie, I'm doing a pretty good job here...so far. They are seem to like me real well and Major calls me every once in awhile to ask me if I'd like to go see the town, land marks etc. He will call for me here at the Hotel. They are darn nice people and since I am in the Church all knows I'm here. I've gone to the Priesthood Meetings with LaMar, and will do it again tomorrow with Major Garff. So being one of them, helps.

Well Johnnie, this should give you added good feeling, and I hope I didn't bore you with this data, but I did feel you should know how everything is going with all involved. I've got the main part of the City under my thumb at this time, but hope it stays there.

Tell me the news ole friend, and trust, I'll try to set up a fine thing here, as I feel I'm doing in Dayton. That Dayton crew will help us eventually here if need be.

Please send the frèquencies for the disease Psoriasis, Dr. Jeppson wants to know id what I stated we were using is corref. If you don't know, then what we are using will be the correct ones. We are getting fine results from it.

I hope you get a good picture from my letters as to the progress. Keep this letter as a guide of names I might mention in the Church. O.K.? Write soon again and thanks for writing. I appreciate it.

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The Rife Way III

Sincerely your friend,

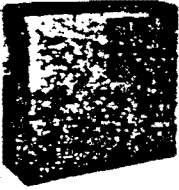
Johnnie

P.S. A picture hangs in the Capital Building here a John Crane - one of the original promoters. Then with the Mormon even looks like from the private archives of Jimmie Holman & Paul Dorneanu

STOKERMATIC SALES COMPANY

125 EAST 3RD SOUTH
SALT LAKE CITY 11, UTAH
TELEPHONE DA 2-5695

May 6, 1958



STOKERMATIC SUPER HEATER
ALL IN ONE

Distributors of Stokermatic Super Heaters (a parlor furnace)

Mr. John E. Marsh
443 Garfield Avenue
El Cajon, California

Dear John:

Lynn and I met with LaMar and Dr. Jeppson last night, and as I told you over the telephone, the Salt Lake County Medical Board have forced him to stop his treatments. He is going before the entire board Wednesday to try and get them to change their minds and let him complete the treatments on the patients he has now treated. You have heard the old saying, "He who is convinced against his will is of the same opinion still," and I think this applies to Dr. Jeppson. He is convinced in his own mind that the cancer patients he is treating are definitely getting well. He thinks it is very imperative that these people continue to get treatments until they have had the prescribed number for the cure. Just how we will be able to do this we do not know as yet, but we are going to try and see that this is done in one way or another.

Unfortunately, this machine is still getting out of adjustment, and we will have to procure a counter, which we are attempting to do today, so that the machine can be kept in proper working order.

One of the patients who had just had four treatments really broke down and wept bitterly when the doctor had to tell him he could not continue the treatments. This one of the sad parts of this whole affair. The people themselves feel that the machine is definitely curing them, but unless the County Medical Board softens a little on Wednesday, Dr. Jeppson is out of the picture as far as giving treatments are concerned, or having anything to do with the machine; however, he stated that if our group continues on with it that he should like to observe the final results and eventually, when the way opens up, be part of our group. He told me, personally, that if his own family had cancer that he would immediately purchase a machine and use it on his own family. This would indicate how sold he must be on what it is doing. As we stated on the phone, there has been too much publicity given, not probably by us or by you or anyone else, but too many people have been saying things that have aroused the ire of the medical profession here. Now, I don't know what your feelings toward us are at this point, and until all of our group can get together, which will probably be towards the end of this week, I do not know what their reactions will be. Naturally, this has thrown a monkey wrench into this temporarily, and it will take sometime to get started again here.

Mr. John E. Marsh

2

May 6, 1958

We have several ideas which we are working on.

Elmo has a very close friend who is head of the cancer research in a big way, in Texas. It may be possible that we can get his cooperation through their cancer research department and through his friend to take a machine and help us to break down prejudices and barriers. That is one field we will explore. There are other groups here that may be interested, which we will explore. You may not care to poke along with us, realizing that you are unemployed and would like to get this thing under way, but I am sure that it is going to take sometime before we could get enough public acceptance to move many of these machines.

I do not know whether Dr. Jeppson will be able to write a report on his findings, to date, but he looked like a very whipped and discouraged person last night. This has been a very costly experiment to him, but I am hoping and praying that things will open up and the truth will prevail concerning this thing.

There is a possibility that we could let these patients treat themselves at no risk to anyone, but our big difficulty is the machine itself, keeping it in calibration. The doctor and LaMar stated that they change the tubes but could not change the part as it was entirely different than the part that is in the machine. If we had a machine that would stay put on the frequency I think that we could work it out so that these people could give themselves treatments and complete the work that Dr. Jeppson has started.

Let us know your thinking in the matter, and whether or not you want to go along with us on a slow basis, working for public acceptance. Our hearts are heavy this day because of what has happened, but I believe we can, in time, find a way out.

Best personal regards to you and John Crane.

Sincerely yours,

Major
Major P. Garff

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The Rife Way III

MPG:fp

P.S. I just got back from the B.Y.U.
at Provo. Was able to get a frequency counter

STATE OF CALIFORNIA
DEPARTMENT OF PUBLIC HEALTH



MALCOLM H. MERRILL, M.D.
DIRECTOR OF PUBLIC HEALTH

GOODWIN J. KNIGHT
GOVERNOR

8181 BERKELEY WAY
BERKELEY 4, CALIFORNIA

Room 119

July 30, 1958

State Board of Public Health
2151 Berkeley Way
Berkeley 4, California

Gentlemen:

Subject: Life Lab, Inc., 4246 Pepper Drive, San Diego, California

Re: Hearing at San Diego on August 22, 1958, re: New Device -
Frequency Instrument

I have on numerous occasions discussed the complete file on Life Lab, Inc., of San Diego, California, with Karl F. Meyer, M.D., Ph.D., and on July 30, 1958, before Doctor Meyer left for Europe, I again discussed this file with him. At that time I requested that Doctor Meyer prepare a letter for the State Board of Public Health as to precisely what his connection was with Mr. Rife in 1934, and I asked him specifically whether or not he had had anything to do with the Frequency Instrument in question.

To the best of his recollection, Doctor Meyer recalled that the President of the University of California, at Berkeley, had requested him to contact Milbank Johnson, M.D., of Pasadena, California, in regard to the invention of a certain microscope by somebody in San Diego, California; that he contacted Doctor Milbank Johnson, who advised him that Mr. Rife had perfected a microscope. Doctor Meyer stated that he went to San Diego at that time and looked at Rife's microscope, and that he recalls that Rife made a claim that he had a method of demonstrating with his microscope some elements which could not be seen at that time with the average microscope. Doctor Meyer recalls that said microscope had a peculiar fluorescence; that he could not verify what he had seen in the microscope; that it had had a peculiar color--a sort of bluish-greenish--and that nobody could interpret what these colors meant.

Doctor Meyer stated that at no time had he discussed the treatment of cancer and/or any other disease with any Frequency Instrument.

State Board of Public Health
2151 Berkeley Way
Berkeley 4, California


-2-

July 30, 1958

Doctor Meyer stated that he made all the foregoing statements according to the best of his recollection.

Inasmuch as Doctor Meyer had to leave for Europe this date it was impossible for him to prepare any letter for the State Board of Public Health. Doctor Meyer added that he would stand behind the statements I have made in this memorandum.

Yours very truly,


MILTON P. DUFFY, CHIEF
BUREAU FOOD & DRUG INSPECTIONS

MPD:jp

Appendix 18

Robert P. Stafford, M.D.
702 Salem Ave.
Dayton 6, Ohio

30 Sept 58

Dear Bob:

Although you answered my letter and sent it to John Marsh I have prepared for you the necessary data to check out the Frequency Instrument and you will find it on page 5 of the carbon copy only. 3 copies of "Electron Therapy" are enclosed which I hope will give you a better understanding of our pet at the moment - the electro-static electron.

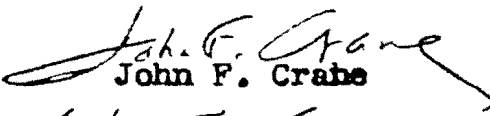
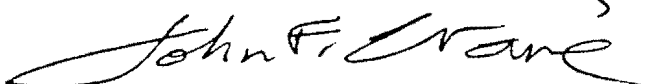
---> Please do not blame John Marsh for any failure to supply you with the facts about the frequency instruments because these facts have been highly guarded secrets for over 20 years and John Marsh is not entrusted with them yet. I have taken this risk on my own at this time. As you know many firms have trade secrets which keeps them in business or they have no business. I feel that you will keep this confidence intact and when the time comes for public release of this information I'm sure there will be a great deal less suffering in this crazy world. The antagonistic action by the medical society here over the past 15 years has been and could be expected from barbarians. I'm sure that you can understand Rife's reluctance to give up the secrets of his lifetime to local men of this stature.

> In my last letter I requested that the dial readings for the different diseases be set and frequency readings be taken. I would like this data Bob so that I can check it against my original calibration of the Frequency Instrument before John Marsh took it to you. It should check also with those listed as referenced in the first paragraph above. Any electronic counter with direct reading dials may be used. We use a Hewlett-Packard counter here.

Incidently a prostrate cancer case was just cured in three weeks with one of the new frequency instruments without the tube. Marsh got a letter from a man up in Utah who treated himself. I will have a copy made of his letter and send it to you.

Glad you can work with the Monsanto men.

Let us know of your progress, regards,


John F. Crane


***EVERY ORGANISM
EVERY CELL
HAS A SPECIFIC RESONANT
FREQUENCY***

ROBERT 1, from the private archives of Jimmie Holman & Paul Dorneanu
22 DESHLER PL 4246 Pepper Drive
DAYTON, 5, OHIO San Diego 5, Calif.

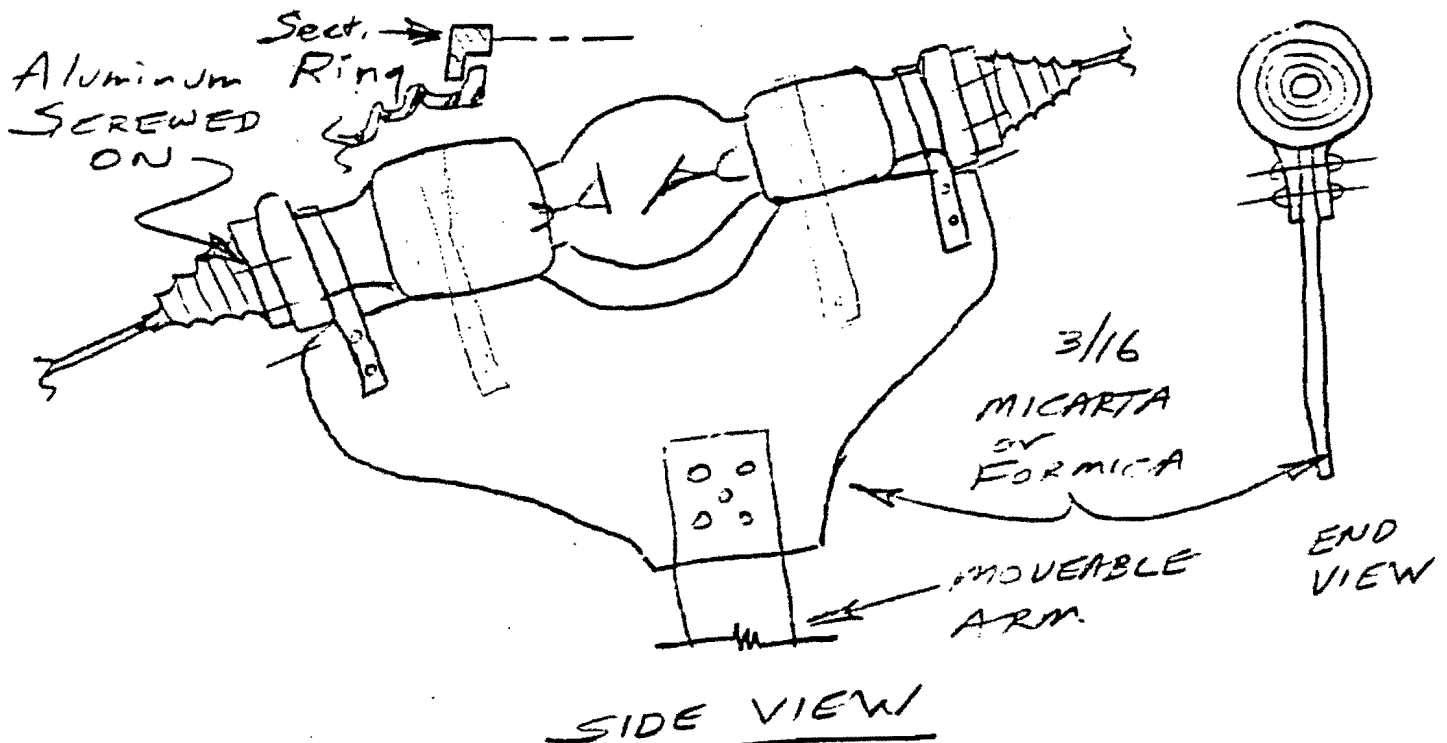
July 1, 1959

Page 1 of 2

Dear Bob,

Appendix 19

Received the tube that you shipped in good shape. I was surprised to find the plastic holders also and if you would like these returned, I will ship them to you; I would suggest however, that you mike up the diameter of the glass to be sure that they will fit as these tubes are all hand made. If a larger inside diameter is necessary for the plastic, I will attempt to bore them out to fit before sending them back to you. I have also designed a new aluminum ring which goes over the rubber insulators and holds them in place to make a more finished looking job out of the tube plastic holders and two metal rings go around the plastic ends replacing the shock cord and are attached to a piece of 3/16 micarta which in turn may be secured to a moveable arm for basic support.



Variations of this design will of course be forthcoming. We are beginning to open our doors to available money. We have been temporarily assured of 500,000-- from one source and 1 to 10 million from another source for Frequency Instrument progress. Several contacts have been established, we hope to have the ball rolling here this year and are working toward this end now. Since our contacts have been concentrated in the Los Angeles area, a delay in liason and time naturally occurs. I may have to tread this route full time for awhile if necessary. It was last week that I learned of Dr. Conin's death when I called his house near London. I gave him a Frequency Instrument to evaluate and so I have written regarding the disposition of the equipment. Conin gave Rife 1000 pounds to build No. 5 Virus microscope in 1939 for his private research lab and Rife gave Henry Seiner \$1000.00 to take his No. 4 Virus microscope over and leave and demonstrate it until he could complete the No. 5 instrument. Henry was gone about 11 months but only at Conin's for six months approx. I talked Conin into bringing it back here from the private archives of Jimmie Holman & Paul Dorneanu while he was here in San Diego in 1956.

July 1, 1959

At the time Gonin was here, he was diagnosed as having a cancer of the prostate in an area not serviced by lymph glands. This of course proved to be fatal. Even Rife didn't think the instrument would do anything in condition of this nature; there are supposed to be only two parts in the body organs that are not serviced with this lymph feature and I have forgotten which ones Rife told me where this condition exists.

Gonin was a great man and made every effort to attempt to start the ball rolling in England but failed because we were not ready the necessary information which has taken us so many years to obtain; working feverously only on a part time basis as we have had to do in order to make ends meet. The instrument was sent over without a tube as we could not spare one at the time and Gonin had two others which had previously been shipped to him at the time he and his group had ordered two Frequency Instruments in 1939 or 1937. The instruments were made by Hoyland who had some relatives in England which he wanted to visit and so he shipped them incorrectly wired so that he would get a trip over there. All told the English had spent some 12,000 pounds in this deal and of course were completely disgusted to receive this "junk". They put it in storage and never bothered to contact this group of promoters which consisted of Hoyland, another man, and Dr. Couche. Rife was pushed out of the picture in this deal and the result being that it failed. Gonin and Couche never did see eye to eye after this time and there was undoubtedly another element of friction in the actual introduction of the instrument in England as both men wanted credit for this function. Couche became quite unhappy when Gonin visited us and neither one visited the other while Gonin was here in San Diego in 1956 although Couche lived only a short distance away at the time and I informed him that Gonin was here. Gonin told me that he did not want to visit Couche at that time. Gonin's wife was apparently a very wealthy woman and this also seemed to complicate the affairs as she was a very dominating woman and did not seem to favor Gonin's attitude toward the Frequency Instruments because of his past failures. Although Mrs. Gonin appeared to be a brilliant woman, she had no desire to help those of lesser station, belonging to the socialite mixing bowl of aristocracy. She attempted to discourage Gonin from taking the Frequency Instrument back to England with him at the time and I probably was sentimental in allowing him to lease it for a dollar a year which I have never received. However, the door is still open there and one of these days, we will probably have to walk in and start a plant up over there too.

Marsh may go up to Salt Lake City over the 4th of July week-end and if not, we will send them 5 volumes of recordings to bring them up to date with the past also. Since I don't have the time to write this material and it seems to be better to let the individuals tell their own story anyway; our recorders have been working overtime. Our story on "Electro-Therapy" is coming along fine and we hope our Director of Publications, Bob Jalet Phd will have it ready before too long. He is also working on a part time basis and worked last Saturday morning until 5 A.M. The scope of the story will be a little broader than the original and contain much less material with which objection can be found (according to Jalet).

We are looking forward to your next tape in August and I can assure you that your last tape has caused maximum interest among our group which is still reacting in a highly inspirational manner. As a matter of fact, the next day I went out and bought a new Custom 10 Webcor stereophonic tape recorder and started making copies of some of the tapes which have been accumulating over the years. The dissemination of information has been a bugbear for us because we just don't have the time to do it. We are constantly faced with decisions on which phase of the work to pursue first in order to accomplish the most toward the project. Best regards to the private archives of Jimmie Holman & Paul Dorneanu

John F. Crane,
Life Lab Inc.
San Diego, Calif.

CR 5-365
Hunt?

9-5-59

Dear John,

Believe me, I am very pleased that you finally sent some cold hard facts about the frequencies used in this work. It is quite discouraging to be so very much in the dark about a subject which has become very intriguing to me. This data has helped already since I have calibrated both machines here and have found them both off the critical frequencies as listed below (in compliance with your previous request.)

Calibration of the Rife Radio Frequency by use of a Tektronix Oscilloscope Model 535-52 ; prechecked at 60 cps and 10,000 cps before measuring.

Organism	Dial	Band	Reading	cps
Staphylococci	85	2	678	
Streptothrix	91	2	747	
Streptococci	99	2	848	
Sarcoma	27	3	1755	
Carcinoma	30	3	1820	

Calibration of the new Heathkit AO-1 Audio Oscillator gave the following cps at the dial setting which you listed on the panel:

Organism	Dial	Multiplier	Reading	cps
Staphylococci	3-43	"X"10	670	
Fungi	3-25	"10	718	
Streptococci	3-96.5	"10	551	
Sarcoma	7-42	"100	1850	
Carcinoma	7-13.5	"100	2000	

In-as-much as these five settings are all I intend to work with on the Kettering cancer mice, I don't think we have to worry about the rest of the pathogens. There is one thing more which I feel I must have to work intelligently. PLEASE SENT ME THE COORDINATIVE RESONANCE IN CPS FREQUENCY WHICH WILL DESTROY STREPTOCOCCI. I don't want to proceed with our most important work so far, until I am reasonably certain of success. Success with the Kettering Mice will mark the real beginning of successful approval by the medical profession here and consequently throughout the country. Even your "friends" in the California Medical Society will have to apologize to Dr. Rife. I have taken one year to set the stage. These things can't be rushed. I now feel we are getting on sound footing. If the machine is properly calibrated it should repeat the astonishing results on the mice which it performed under John Marsh on Mrs. Cartwright and Mrs. Bias last fall. I believe that calibration is one of our big stumbling blocks but I now have connections here with Monsanto which may help along these lines.

John, I appreciate the trust which you have shown in me by telling me some of your trade secrets. I shall assure you I will use extreme caution with these trusted facts, guarding them from those who might use them improperly. My only interest is to help you establish the value of this form of treatment and assist in its recognition by my colleagues.

Please send me your suggested setting for the two machines from the facts above. Also please sent the mortal oscillatory rate for Streptococci. I shall await your answers to these two questions prior to starting the mice experiments.

Bob

4246 Pepper Dr
San Diego, Ca 92105

14 November 1959

Bob Stafford, M.D.
702 Salem Ave.
Dayton, Ohio

Dear Bob:

Tony made an error in relating that I had requested $1\frac{1}{2}$ million, it was 150 million dollars and we are pressing them hard now.

The enclosed copy of a letter to D.S. Sand reveals the true position and we won't be surprized if a few heads roll before too long. We have also written to Malcolm Merrill, M.D., Director of the California Public Health requesting that they withdraw from their ridiculous position that Rife's work was just hearsay.

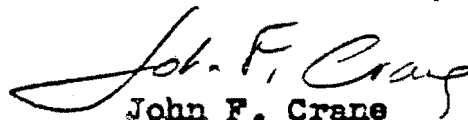
The new drug act of the State of California makes it necessary for anyone using our instruments to be a qualified expert; so I am sending you - your certificate of qualification and also an application blank to fill in and send to us so that you will be a member of this group. We hope to print a great deal more of data and information and make this available to members. The institute will be a non-profit function. The dues will be \$10.00 per year and donations can be received for any amount. Because of your outstanding work and help to us, please accept this gift or letter as a life membership free of charge in this group.

I am sending a few extra membership blanks in case others there in Dayton wish to join and we hope to have chapters in all major towns as this work grows.

How has your attorney made out with his investigation - we trust that everything is in order and if not advise us and we will act accordingly.

We are building various pieces of test equipment for the new Frequency Instrument and as planned now - it will only have one switch to turn it off and on. Everything else will be accomplished internally - all frequencies will be crystal controlled with 10 frequencies riding the same carrier wave simultaneously. 100% modulation is our goal which is the point of maximum transmission of energy. As you can see from the typing that I am rather "typed out" so will close for now.

Sincerely yours,


John F. Crane

Mr. Comparet - Mr. Marsh suggested
 keep in contact with you on the legal
 is pending - Thought you might like
 copy of letter I sent to Mrs. Kosel in
 response to her 4 pg letter of Complaint
 Dec 9th

10

R. P. Stafford

Dear Mrs. Kosel,

Thank you for your letter of December 9th, 1960. Indeed, I am sorry to hear that your family has become so involved, and apparently so disrupted, in dealing with Mr. John Marsh.

Perhaps I can clarify my position in this matter. May I state that I have been interested in Royal Rife's Theories for the past four years. In my small way, I have been able to observe and study the properties of this modus of physical therapy. During this time, I have watched its effects on animals and on selected clinical cases. Although this therapy is no panacea, we have evidence that it is beneficial when used in specific ways on specific types of cases. We are continuing to pursue this matter here in Dayton in a carefully controlled investigational manner.

Unfortunately, Mrs. Kosel, I seem to have very little influence upon Mr. Crane or Mr. Marsh. As you know, they have pursued their own course of action outside of the medical research application of Rife's Theories. Free research can neither be hurried nor prejudged. Something really bold and imaginative is by its nature divisive, and the bigger the idea, the more people are likely to be offended. I fear that the California dilemma stems not from their espousal of the Rife Theories, but from their premature impatience to have these theories accepted publicly. Nevertheless, may I assure you that I shall do what I can to help Mrs. Bateson, as well as Mr. Crane and Mr. Marsh.

Sincerely yours,

Robert P. Stafford, M.D.

cc: Bertrand L. Comparet
 Attorney at Law



AMERICAN MEDICAL ASSOCIATION

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LAW DIVISION

BERNARD D. MIRSH,
Director

DEPARTMENT OF
INVESTIGATION

H. DOYL TAYLOR,
Director

September 14, 1967

Miss Ellen L. Adams
2779 A Street
San Diego, California 92102

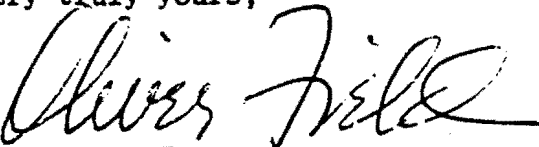
Dear Miss Adams:

This is in reply to your letter of September 6,
asking for information on the "Rife Frequency Instrument."

We attach photocopies of pages from a report of
the Food and Drug Administration, issued in 1962. This
concerned the seizure of a Rife Frequency Instrument in an
action filed in federal court, because it was misrepresented
within the meaning of the federal law.

You will notice reference in the Notice of Judgment
to John E. Marsh. The file contains an indication that Mr.
Marsh was a defendant in the case brought by the State of
California against several individuals, who were convicted
by a jury for attempted grand theft and conspiracy to commit
grand theft, and for conspiracy to violate the Business and
Professions Code of California, prohibiting the practice of
medicine without a license. The conviction was reversed on
the first two counts, but affirmed on the third by the Supreme
Court of California. Involved was the sale of Rife Frequency
Instruments to residents of California, at prices ranging from
\$175 to \$2,000, under the guise of "donations."

Very truly yours,


Oliver Field.

Appendix 24

November 2, 1988

Mr. John Crane
4246 Pepper Drive
San Diego, CA 92105

Dear Mr. Crane:

I wish to thank you for the time you spent with Bill Brown and me when we came to visit in September. I would have written sooner, but things have been hectic. Please tell Joe hello for me, and, I even though I regret that I have not sent him the information he requested yet, it should be soon forthcoming. Also, congratulations on the publications of your research, and many thanks for sending me copies of them. I certainly do realize the amount of work involved in getting the news out.

I have spent many hours reading the Polarity Research Manual, and I very much wish to confirm your findings. My company, Precision Audio, Inc., is an audio recording and production company having all types of electronic test equipment, and I have started assembly of a frequency device using equipment on hand.

Precision Audio, Inc. is also a post production company for film and video, and as such, I have experience in optics of cameras and projection equipment, which I am attempting to apply to the construction of a virus microscope for the purpose of independently confirming your research.

At this point, I would like to update you on where I am in the project. By the way, I would like to interject at this time that Mark Simpson, a friend of mine, is assisting in the project, and is very enthusiastic about the whole affair.

We (Mark & I) have assembled a test set-up consisting of a Heath/Schlumberger Sine-Square Audio Generator capable of 10 volts p-p from 1Hz to 110KHz. Square wave duty factor, symmetry, bias and distortion are measured with an EICO model 460 oscilloscope. The frequency of the square wave is measured with a Comet CM-F1000 10Hz to 1000MHz multiple function frequency counter. All output voltages are measured with a Beckman 1% tolerance Digital Multimeter. Electrodes are 3" diameter steel disks with bakelite insulators as handles.

Electrodes are attached to the output of the square wave generator via banana plugs and 14 gauge unshielded wire. This delivers a square wave to the electrodes at the frequencies and voltages indicated in the Polarity Research Manual.

At this point, I have a question that could save us a lot of time and effort. The Polarity Research Manual states on page 959 "All frequencies given in Hertz at 4 to 5 volts Square Wave direct on skin". No mention is given of a carrier frequency that is modulated with the square wave. However, on page 43 of the Polarity Research Manual, the specifications of the Frequency Instrument (Model AZ-58) apparently indicate that a carrier wave is used (Radio frequency range 4.5 M.C. to 10.5 M.C.) and that this is used without an applicator tube, presumably with electrodes. This has caused us some confusion as to whether or not the RF carrier is necessary when using an electrode based frequency device.

Another question I have relates to page 42 and 43 of the Polarity Research Manual (PRM). At the bottom of page 42 & top of page 43, it states "The circuit is of a variable audio frequency oscillator modulated with a variable audio frequency oscillator." Is this correct, or should it read "The circuit is of a variable radio frequency oscillator modulated with a variable audio frequency oscillator."?

We are also well on the way to having a transmitter ready, in order to use the frequency instrument (for research only) without the electrodes. I have noted several different carrier frequencies mentioned. On page 43 of the PRM, the RF carrier of the Frequency Instrument Model AZ-58 is listed as 4.5 M.C. to 10.5 M.C.. On page 825 of the PRM, a carrier of 40MHz is given as the frequency that Dr. Rife used to destroy the cancer virus by modulating this carrier with 2128 Hz. Another frequency, presumably a carrier wave, is given in the book "The Cancer Cure That Worked" (page 80) in Dr. Rife's lab notes regarding the death points of the Bacillus X of 11,780,000 cycles. You also mention another carrier in the tape on Rife's research, this being in the diathermy range from 13MHz to 42MHz. The Seidel & Winter article in the 1944 Smithsonian Annual Report states that the frequencies peculiar to each individual organism are directed upon them by "rays covering a wide range of waves".

All this leads me to ask if the carrier is a wide-band transmission modulated by the audio square waves, a specific carrier in the above mentioned ranges, or that the specific carrier frequency is not important, just so long as it falls within the above mentioned frequency bands? The oscilloscope patterns in the Rife Research Tape seem to indicate a single carrier frequency. If you could enlighten us on this point, it would certainly save us a lot of time.

Also, I noted that the PRM mentions (I have forgotten the page number) that a directional antenna has been tried in order to eliminate the expense of the ray tube. Was this successful? We would prefer to try a directional antenna first, before trying to fabricate a ray tube.

Mark & I have many other questions that we would like to ask, and since it would take a long time for you to write us regarding any of this, you could call me collect at (214) 243-2997 if you could be of help on any of this, if that would be easier for you.

Some of the many questions that have arisen are:

1. If a carrier is not necessary on the electrode-based frequency instrument, we would like to rig a test set-up to make sure we are doing everything right. We propose to do this using our standard (up to 2000X) microscope and larger bacteria. Initially, we have rigged a glass slide with small wires connected to the water in which the specimen will be held. Can you suggest a suitable non-pathogenic bacteria specimen & frequency for this type of test, and is this the correct procedure for verifying the electrode based frequency instrument? Do we need to make impedance adjustments owing to the fact that the specimen is on a slide rather than in the body?
2. Do you have available materials to make the "K" Media, if so, how would we obtain them?
3. Is the formula for the "K" medium (given in the Smithsonian 1944 report) sufficient to make an accurate & valid culture? (I ask this because the Seidel & Winter article mentions (PRM page 206) that a variation of only 4 parts per million can cause the *Bacillus coli* to become the *Bacillus typhosus*).
4. In the Rife Research Tape, it appears that the dead-beat oscillator is being used to pulse the audio frequencies on and off about twice per second prior to being sent to the carrier. Has this proved necessary, or has a steady-state square wave proven successful also? I ask this because the index of frequencies on page 959 of the PRM doesn't mention pulsing the square waves.
5. We are presently working on the mechanical sections for a prismatic microscope for examining the viruses when we are satisfied that the frequency device is functioning properly (from our tests on larger bacteria). It seems to me that you told me when I came to see you that quartz prisms were not entirely necessary owing to the improvement in the quality of optical glass. Did I understand you correctly, or is quartz still needed for the prismatic type of scope? Doesn't glass cut out the UV frequencies? Also, can you suggest a supply source for the Risly prisms for the color focuser and quartz erecting

prisms if they are necessary? The only thin wedge prisms I have seen are in the Edmund Scientific catalog, and I am not entirely sure if the dimensions are suitable, and they are glass rather than quartz. Also, if glass prisms can be used, should uncoated prisms be used, or aluminized?

6. It would be of great value to us to be able to construct our prismatic scope using as many of the parts as possible that we already have available. In the Smithsonian article, the dimensions of the prisms & air spaces given are apparently based the maximum limits at which the light beam must be bent in order to avoid dispersion. (15mm bends inside the prism; 30mm air spaces between prisms). Can the light beam be bent at shorter intervals with acceptable results? The reason I ask is that we have a number of prisms which are 38mm on the 90 degree sides and 53mm on the hypotenuse. This would necessitate either bending the light path every 19mm inside the prism, if the scope is built along the design principles given in the Smithsonian article. If this was done, should the air spaces be compensated accordingly to arrive at a total light path of 449mm inside the tube?

7. The scope could also be built along the design principles of the prismatic scope on page 197 of the PRM. The design in the PRM appears to have light bends at both 15mm and 30mm intervals inside the prisms. If we use our 38mm prisms, this would necessitate light bends inside the prisms at 12.5 & 25mm intervals which seems to be within usable limits. The scope on page 197 of the PRM appears to have a tube length of either 360mm (with a 30mm air space) or 300mm (with a 15mm air space). Should I adjust the air spaces in my scope to conform the total tube length to these lengths?

8. Should the color focuser be independently vertically adjustable from the diaphragm and substage condenser or can it be ganged together with the diaphragm mechanism?

9. I am planning to put a rotating, swing-out polarizer and fixed polarizer above the diaphragm. Is flat glass or plastic acceptable for this, or must prisms be used? It seems to me that you mentioned to me that flat polarizers could be used with acceptable results.

10. In the Rife Research Tape, your projection microscope is shown with a grating being projected. Is this a diffraction grating? If so, how many lines/mm?

11. Your projection microscope (PRM page 199) surely seems a more efficient way to get the job done, however I am just learning the principles of the prismatic scopes. Do you have any further information I could get regarding the principles of your projection microscope?

I have many other questions regarding magnetic and cosmic polarization. However, I realize that you are quite busy with your research and the clinic, and since I have already asked a quite a few questions, I will wait until another time.

I have enclosed a check for a copy of your tape about your new clinic in Rosarito Beach, as I am very interested and encouraged by your progress.

Many thanks, and bye for now.

Best regards,

Rick Sheppard, Pres.
PRECISION AUDIO, INC.

***LET A FRIEND READ
THIS MATERIAL
SUPPORT FREEDOM OF CHOICE***

JOHN F. CRANE 619-281-0278
4246 Pepper Drive 619-272-8672
San Diego, Ca. 92105 619-264-2446

President & Director of:

Date: Nov. 18, 1988

Life Lab Inc.

Rife Virus Microscope Institute

In re: Reply to 11-2-88

John F. Crane Corp.

C & K International Associates, Ltd.

V.P. & Director

Mr. Rick Sheppard, Pres.
PRECISION AUDIO, INC.
11171 Harry Hines * Suite 119
Dallas, Texas, 75229

Dear Rick:

Thank you for showing such great interest in the Rife & my research and your research in confirming my results is welcome indeed. I am pleased that you have such experienced and qualified assistants in Bill Brown and Mark Simpson. Your audio generator should be adequate.

1. Your question on carrier frequency: The frequencies given in Hertz apply to the square wave generator and also the Rife Ray Tube Machine. The voltage applies only to the Sq. Wave Generator. At the present time we are using Global's Model 2001 Function Generator and B & K's Model 3011 2 MHz Digital Display Function Generator. On the old Model AZ-58 (now obsolete) the carrier frequency was as specified by FCC in the diathermy range of 10; 22 and 44 MHz. The frequencies used with the Model AZ-58 are as given in the index of the PRM. The wording given for the frequencies at page 43 is in error and part of Rife's thinking was to "cover up" the facts. On page 825 of the PRM a carrier of 40 MHz was used by Rife with a Function Generator frequency of 2128 Hertz. The carrier frequency was used only with the Rife Ray Tube Machine. Answers to page 2 of your letter.

2. The circuit is a variable audio function generator modulated on a variable frequency transmitter by placing a tuning capacitor in the circuit between the main power coil and the ray tube to tune the resonance of the circuit and make the color intensity of the helium gas to be variable. Almost any air gap tuning capacitor will function well. Now we are using a more sophisticated tuning wattmeter with a range of 0 to 3,000 watts. In some of the early ray tube instruments the frequency given for the carrier wave was in the attempt to reach 10 MHz but the frequency to devitalize the cancer virus was 2128. Rife's story about a "wide range of waves" applied to the audio frequencies which were tuned to the full range of audio frequencies at times by other doctors in the hope that some other frequency might be resonant and devitalize the body's problems with microorganisms. Further research will discover the best carrier frequency and not what the FCC allows in order to provide suppression for the A.M.A. gang.

3. The carrier is a fixed frequency usually crystal controlled in order to attain the desired frequency specified by the FCC. As stated before the variation came from a tuning capacitor that I added later in 1954. Rife did not have it and never used it to my knowledge.

4. Page 3: I would say about the directional antenna that it would be difficult to treat the entire body with the high voltage required unless the energy was released a good 25 feet from the body to avoid a shock hazard. Electrostatic frequency or discharges were used by Tesla with great success and are still being applied with good results but electromagnetic radiation has to be applied from a glass envelope apparently to provide the energy transmission to the microorganisms without burning the human body. Even contact with the tube on the body parts has been very helpful with a small neon light bulb by direct contact on the body. Bumps of Candida (fungus) have been found to disappear after 5 to 30 minutes by direct sliding contact in the troubled areas.

Page 3(1) a suitable non-pathogenic bacteria is paramecium. No impedance adjustments are necessary to my limited knowledge. A few grains of nacl would be helpful to aid conductivity. With the ray tube machine exact frequency is required but with the function generator, any frequency in the audio range will kill microorganisms. Even voltages down to 1 volt will kill instantly.

Page 3(2) K media is made from dessicated pig intestine with a little tyrode solution (salt - nacl) added. A high speed blender will do the job nicely. We do not furnish K Media yet.

Page 3(3) The change from one bacteria to another was discovered by Rife in his research in growing virus, bacteria, fungi, and microworms. Any food material will make growing and thriving cultures. Throw a little rice and oatmeal in a water container and in 3 days you will see live bacteria under the microscope at normal room temperatures.

Page 3(4) The dead beat oscillator was invented by Dr. Albert Abrams in the late '20s. The square wave has proven to be more efficiency because it uses all of the harmonics. That is what we trying to use with the switches you are building for the DC generators. This phase of research will continue on for a while trying to prove that we can get better results with harmonics than we can with all of the Rife frequencies that were discovered by Rife with pure cultures. We don't know if the dead beat oscillator is superior which is another job for continued research. The index doesn't mention pulsing square waves because it hasn't been tried yet to my knowledge.

Page 3(5) Quartz was used by Rife because of the better light transmission. With the improvement in projection lamps, glasses may do the job and is much cheaper. Ultraviolet microscopy has been applied mainly to the study of living cells and their absorption, rather than because of the anticipated resolution gains. Since optical glass fails to transmit ultraviolet below about 350 mu, special objective are required. These have taken the form of monochromats, bichromats, mirror objectives (catadioptric) and, lately fully corrected refractive systems. The first objectives for ultraviolet work were monochromats, i. used at one wavelength only. Later bichromats were designed and corrected for focusing wavelength in the visual and picture taking

wavelength in the ultraviolet. Catoptric and catadioptric systems have proven quite useful in micro-absorption work in the ultraviolet. (Applied Optics and Engineering, Kingslake Vol. III page 172 Ref.)

While the vast majority of refractometric work is performed in the visible region, a significant and growing amount of work is performed in the visible regions of infrared and ultraviolet. In work beyond the limit of vision, two methods are in common use: 1) the use of photoelectric and thermoelectric detectors...(Applied Optics and Engineering, Kingslake Vol. IV page 380-381

In systems functioning down to 0.185 μ , the predominant optical material is natural quartz. In the vacuum ultraviolet (below 0.185 μ), the predominant materials are calcium fluoride and lithium fluoride are applicable. (Applied Optics and Engineering, Kingslake Vol. I, page 197)

At the present time we are looking for a source for the Risley prisms and may have to make them ourselves. Quartz has been so expensive that the projection microscope is more efficient and appealing as to cost.

Aluminizing is essential for tubes using high accelerating voltages over about 10kV.

Page 4(6) It can be shorter but not longer than 30mm. 449 mm is just an approximate value.

Page 4(7) Adjust for 360 mm. or longer.

Page 4(8) make it independent

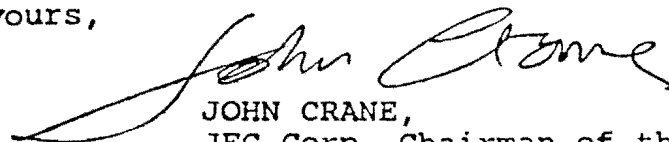
Page 4(9) If the polarizer is opaque it will not work.

Page 4(10) see PRM page 162 - 1,000 lines per inch. The new Ronchi ruling I am getting is 500 lines per inch from Edmunds Scientific.

Page 4(11) the 8" dia. barrel at 6 inches lg. is just right to eliminate "empty magnification". The image can also be seen by using a plastic ground glass or etched plastic the same as for rear view projection onto a plastic material.

Hope this clears up some of the answers,

Cordially yours,



JOHN CRANE,
JFC Corp. Chairman of the Board



Yes! My Wellness.

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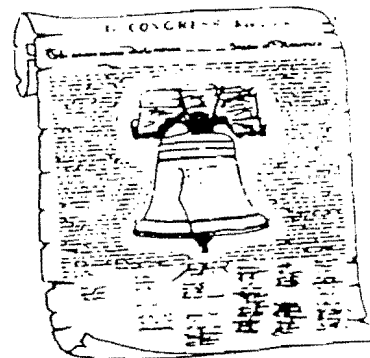
from the private archives of Jimmie Holman & Paul Dorneanu

CHARLES SCHNEIDER

26 CARLOW STREET

HUNTINGTON, N.Y. 11743-6303

516-271-2739



April 20, 1991

Dear Mark,

I have received everything including your highlighted page plus the mailer page which I have made copies of and sent to all my friends in the Nikken Network.

Enclosed is a package of material about Nikken and our magnets. Nikken is the only producer of concentric magnets, which, you will note have finally put the Hall effect into practical usage.

In your second letter you stated you are working a regular job. I assume you are trying to build some kind of business with your "small time vanity press operation" and information about Royal R. Rife. If you want to help people find a better life, you should consider Nikken. I just returned from a trip to Japan with over 100 other Nikken Distributors and was impressed by the open-ness of the Japanese people. We discovered Nikken has a Bio-Beam which is licensed by the Japanese health authorities for use by anyone. It is similar to The Rife Frequency generator, but also combines the healing effects of magnetism. We are not allowed to bring it into the U.S.A., however, two doctors (M.D.'s) who were with us on this trip did buy these machines and brought them into the states by claiming them as diathermy instruments at customs.

Our Bio-magnetic series gauss is as follows, Bio-Card 350 gauss
Bio-Mini 500 gauss
Bio-Flex 350 gauss

Our mattress's and mattress pads are as follows, Twin size 100 magnets each 800 gauss
Full size 200 " " " "
Queen & King 200 " " " "

Our pillow has 28 magnets each with 800 gauss
Our Bio-Seat has 32 magnets each with 800 gauss
and our Mag-step insoles have 350 gauss each.

Nikken could provide the funds for you to continue your research on R.R. Rife. I would enjoy working with you to help you reach whatever goals you may have.

Sincerely,

Charles Schneider
Charles Schneider

Enc.



WORLD RESEARCH FOUNDATION

Mr. Mark Simpson
Box 710088
Dallas, TX 75371

4-22-91

Dear Mark:

Thank you for your letter. Regarding your questions, a-d, I think the best source of information would be Bernhard Muschlien in Germany. His address is as follows:

Bernhard Muschlien
Dotzhemimer St. 82
6200 Wiesbaden
Germany


The videos concerning the Ergonom 400 are proprietary and are not available for sale. We were very fortunate to have shown the videos at our recent congress.

We receive approximately 50 letters a month concerning Rife and related Rife products, papers, T-shirts, pens and secret Rife devices. If you are aware of the Bill Jenkins tape than you are aware of our interest and respect for the Rife research. While I believe that the Rife story will make an excellent 'movie of the week', time and science marches on! Rife is a part of a set of activities which validate the use of electromagnets in the healing process.

Our lack of response is do to the fact that we choose to allow the hordes of Rifeeeeeeees to do their thing.

Best wishes.

Sincerely,


Steven A. Ross
President

The following exerps are taken from a recording of an interview that Talk Radio 79 KABC (Los Angeles) announcer Bill Jenkins conducted with Steve and LaVerne Ross of the World Research Foundation, around 1988 (exact date unknown). The subject was Royal Raymond Rife and his microscopes and devitalizing frequency resonators.

Bill Jenkins: Now we must point out too, Steven, that the information we're giving you here is not, you know, We're not telling a little story here. This is highly documented information, it is part of a record.

Steve Ross: Right.

Bill Jenkins: And anybody can have it, anytime they want it.

Steve Ross: Right.

Bill Jenkins: We want to keep laying this foundation on you because its not just a little story out of the air.

Steve Ross: Well, I think that what might help is that, uh, we have 500 personal letters of the various doctors written back and forth to one another. **We have the logs, their research logs.** We have the newspaper clippings that existed at the time. We have the internal staff meetings of the Mayo Clinic, Northwestern University, so to answer your question or your statement, its more than just idle gossip.

LATER IN THE INTERVIEW, SPEAKING TO KAY, A PHONE-IN CALLER;

Bill Jenkins: We need to point out too Kay, that the World Research Foundation is not a medical research foundation. It is a repository of some of the most incredible levels of information and data, which is their function.

Kay: That would be interesting. Do you have tours or anything, uh, they can go out there and see the microscope?

Steve Ross: Uh, the microscope is, is not on display. It is in a very secure place at this particular time, However....."

Bill Jenkins: You have to have a White House pass to get at it.

Steve and LaVerne Ross: (chuckle chuckle)

Kay: Well I guess you have the film so that would show....

Bill Jenkins: Yes.

Steve Ross: Right.

LaVerne Ross: We have the film and we also have pictures and we also have literature that's available for a person who's interested.

LATER IN THE INTERVIEW. INCLUDED BECAUSE WE HAVE ONLY FOUND WHAT IS LISTED IN THIS BIBLIOGRAPHY AND ALSO ON PAGE 8, AND WOULD LIKE TO SEE THE OTHERS;

Steve Ross:however you would have to say as an example, there are over 100 newspaper articles talking about the microscope in the 30s and the 40s.....



FROM THE DESK OF

Dr. Charles in NEVIS

July 4, 91

Dear Mark;

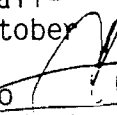
Just received your package, I thank you. I will ponder it over and send you some bona fide results we have obtained and continue to obtain.

Please correct your entry about myself:

1. I was not "run out of the state of Florida" in fact, I was the only homeopath not arrested during our "homeopathic holocaust" because I held state and local licenses.
2. I moved to Nevis from North Carolina where I lived for over 3 years. I have never been charged with any crimes nor would allow myself to be railroaded like Solomon and others. I told them for years there are in for trouble. I moved to Nevis where I now have a government approved health farm on a 5 acre estate, and prime minister is my lawyer and the governor is a proud owner of a biotron II. Things are just dandy and I have no desire to return to the states, the second Babylon doomed to its own end.

I have used electrotherapy for 15 years mainly with ELF as proposed by my mentor Dr. Voll. The Rife frequencies are far superior in results and I do not really care what lab research bears out, I can dance miracles and put neurologists and chiropractors to shame with what I can do with the Biotron in just minutes. NOT to mention reduce wrinkles, shrink cellulite and other odds and ends that further prove the efficacy to any doubting skeptic.

Keep up the good work, I'll put you on the mailing list. Maybe you'd like to visit us in October for our new, big Rife/Biotron seminar now combined with Ayurvedic homeopathy. I am also working with a million volt Lakhovsky corona device that really proves well for cancer.



July 24, 1991

Dear Mark Simpson;

You may already know about the German microscope described in the enclosed magazine article: I am sending it along on the off-chance that you haven't run across it yet.

You seem to be one of the "guiding spirits" behind the forces that made me aware of the Function Generator and the info as to how to use it, so I feel tremendously grateful to you.

I want to tell you how good it feels to have most of the arthritis gone from my hands, to be able to snap my fingers again, to be able to unscrew a tight jar cover again, to be able to sit on the floor for an hour's meditation without my back killing me.

I pray that the Creator of All That Is Bless you, and that the efforts of the Forces of Darkness to hurt you be thwarted and confounded.

Sincerely,



Frank Anderson

Dayton, Ohio 45409
(513) 298-7116

July 31, 1991

Appendix 30

Tommy Mohr
7324 Buttonwood Drive
Fort Worth, TX 76137

Dear Tommy:

Just a note to enclose along with the Rife Big Brother software on a 5 $\frac{1}{4}$ " diskette. This system disk is bootable and to bring up the program, just type: Rifebb and hit Enter. I ran the program and the speaker function works fine.

Sorry for the delay in getting this to you... We hosted the national US Psychotronics Assoc conference in town last week and all of us were real extra busy!

Also enclosed is a bit of new literature describing the Rife Frequency Resonators from Super Science. Tell that Mark Simpson that he and his group are doing a good job with the book, The Rife Way II.

The 4 times a second gating feature sounds like an important modification to the machines from Super Science. Just let us know how you want it done and we will perform the hardware modification at no charge... It may work out that the 4 times a second gating feature will become a standard feature of the Rife Frequency Resonator! Again this is the advantage of having Mark Simpson and his crew right there in Dallas.

Best Regards,

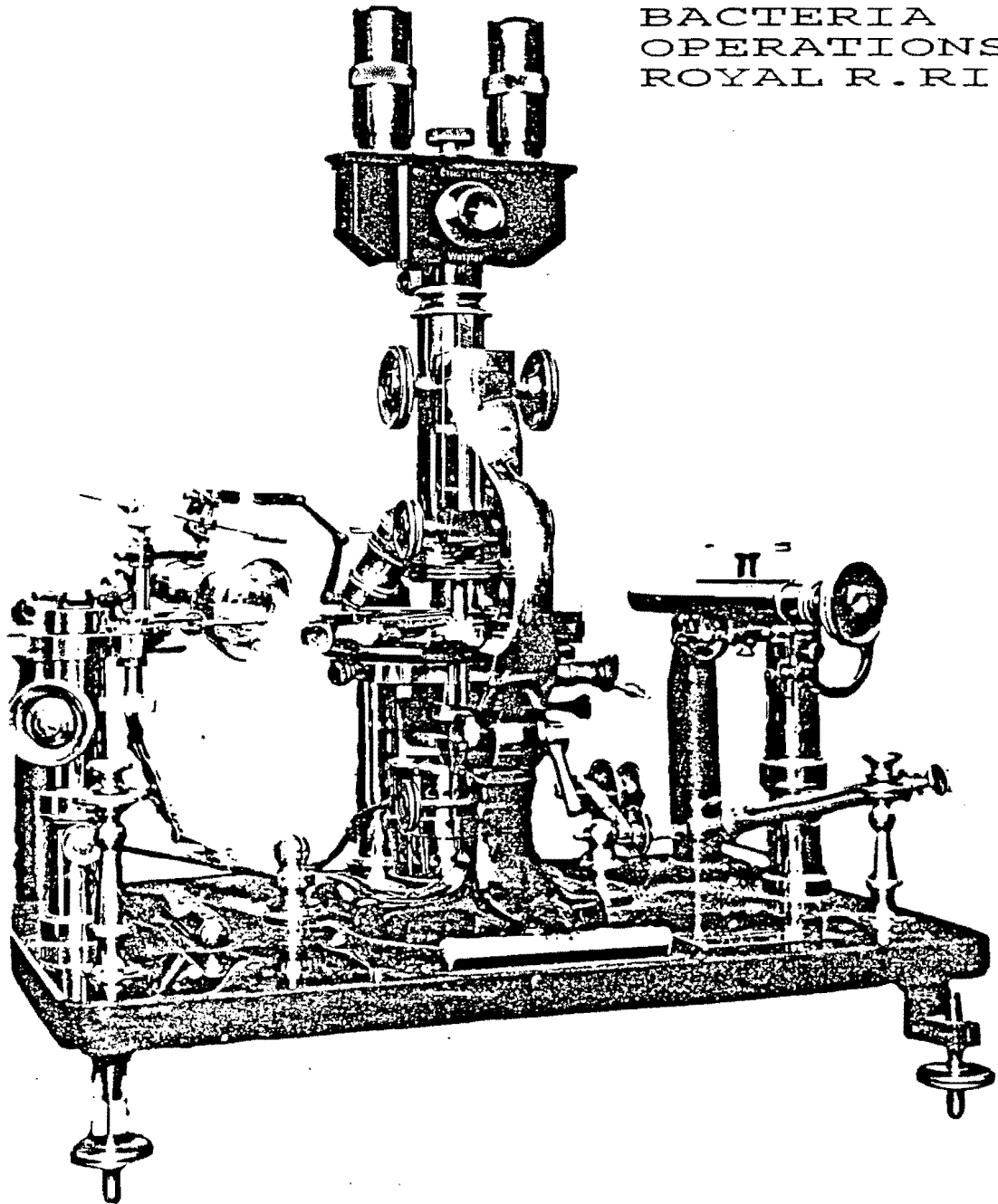


Klark Kent

KK:skk
enc

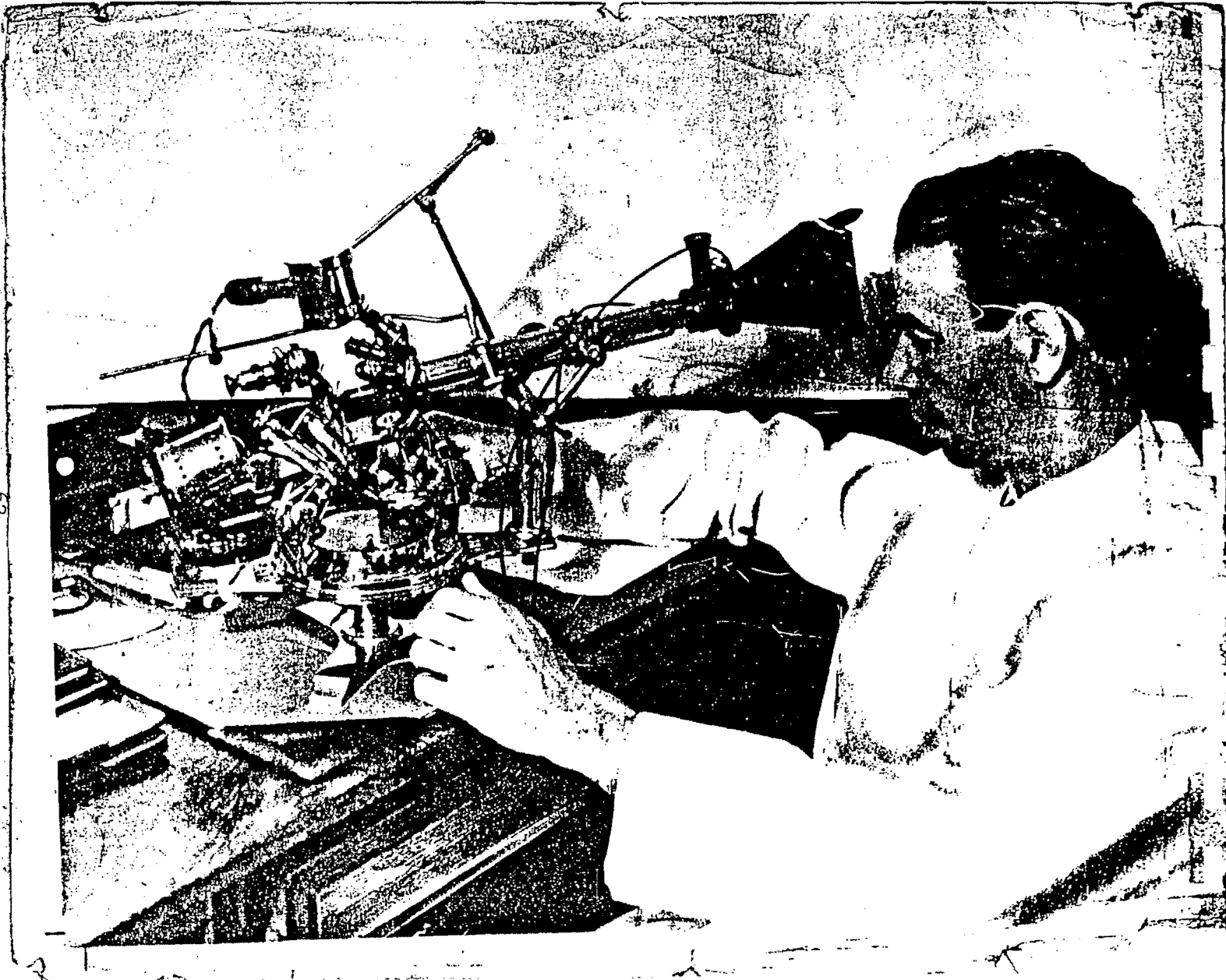
GALLERY OF RIFE MICROSCOPES

USED FOR MANY
BACTERIA
OPERATIONS BY
ROYAL R. RIFE

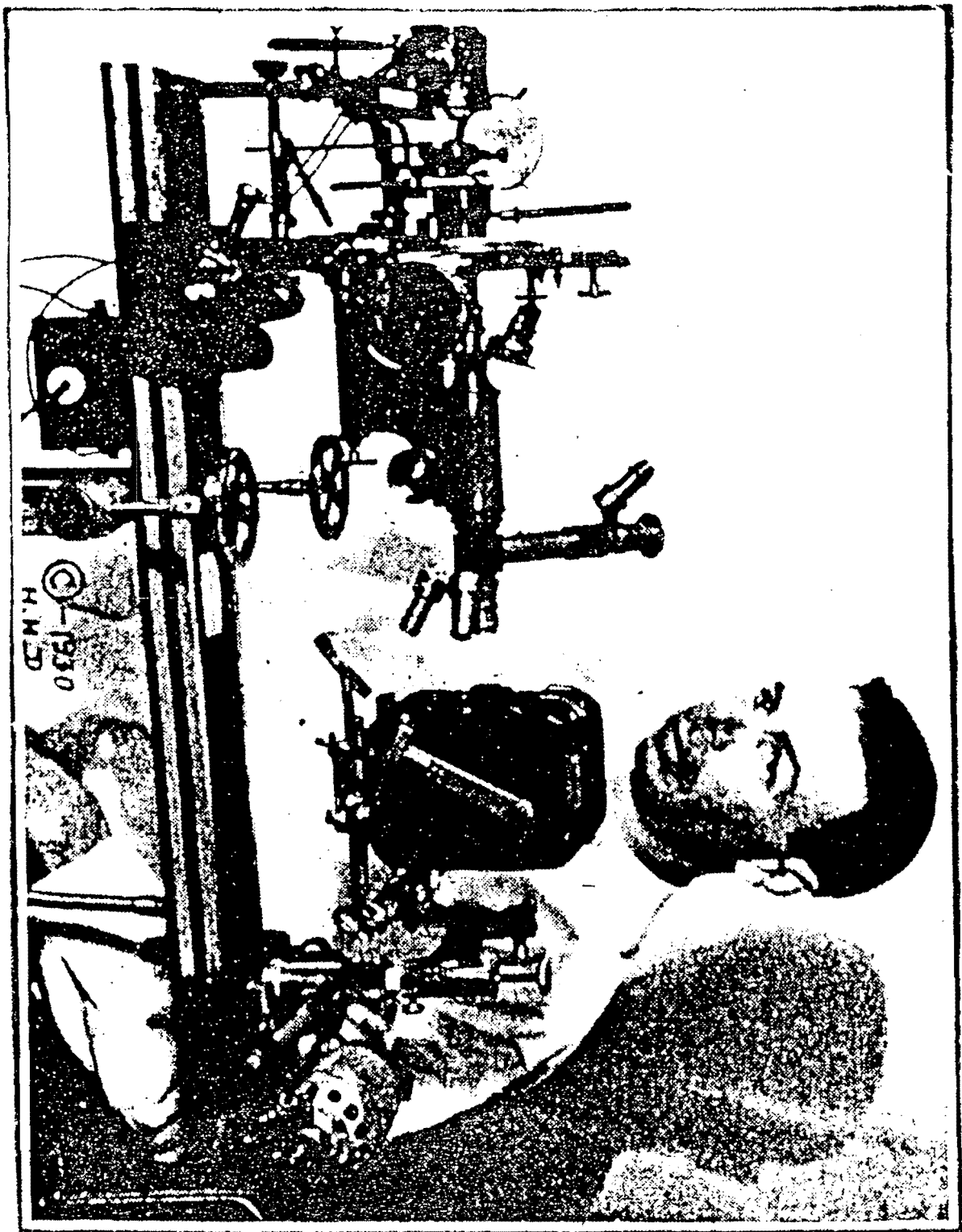


Petrographical Microscope designed by Rife and mounted on Rife designed and built Micromanipulator. (scope shown in side view with 1953 frequency instrument). One-half of an infants hair was used as a knife to slice the head of a tetanus (lockjaw bacteria) in half. This cross-section is shown in the next photomicrograph.

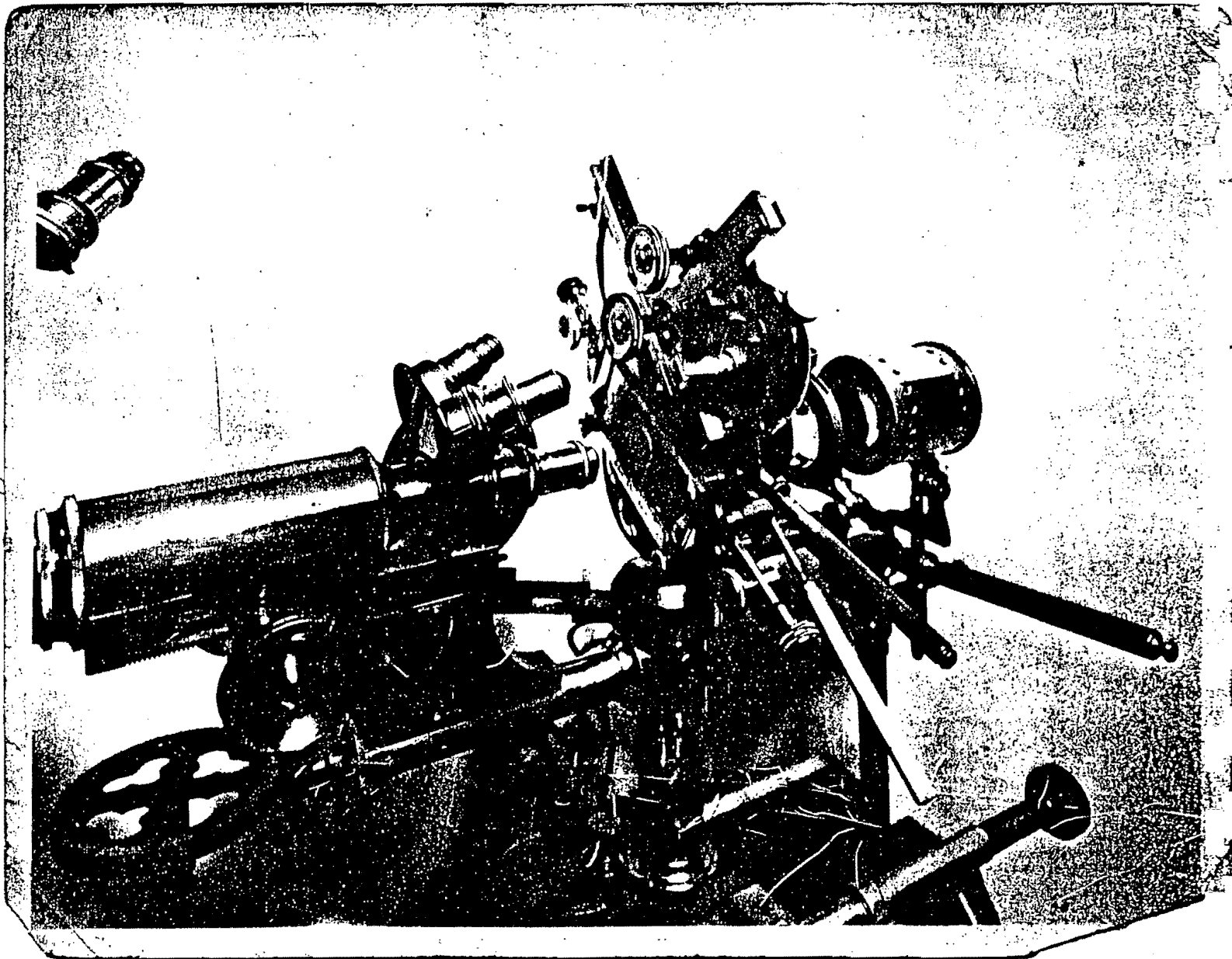
Appendix 31 This microscope is not really a Rife microscope. It was built by Lietz in 1928. This may be a "super-scope", but no detailed information has surfaced. From Crane's P.R.M.



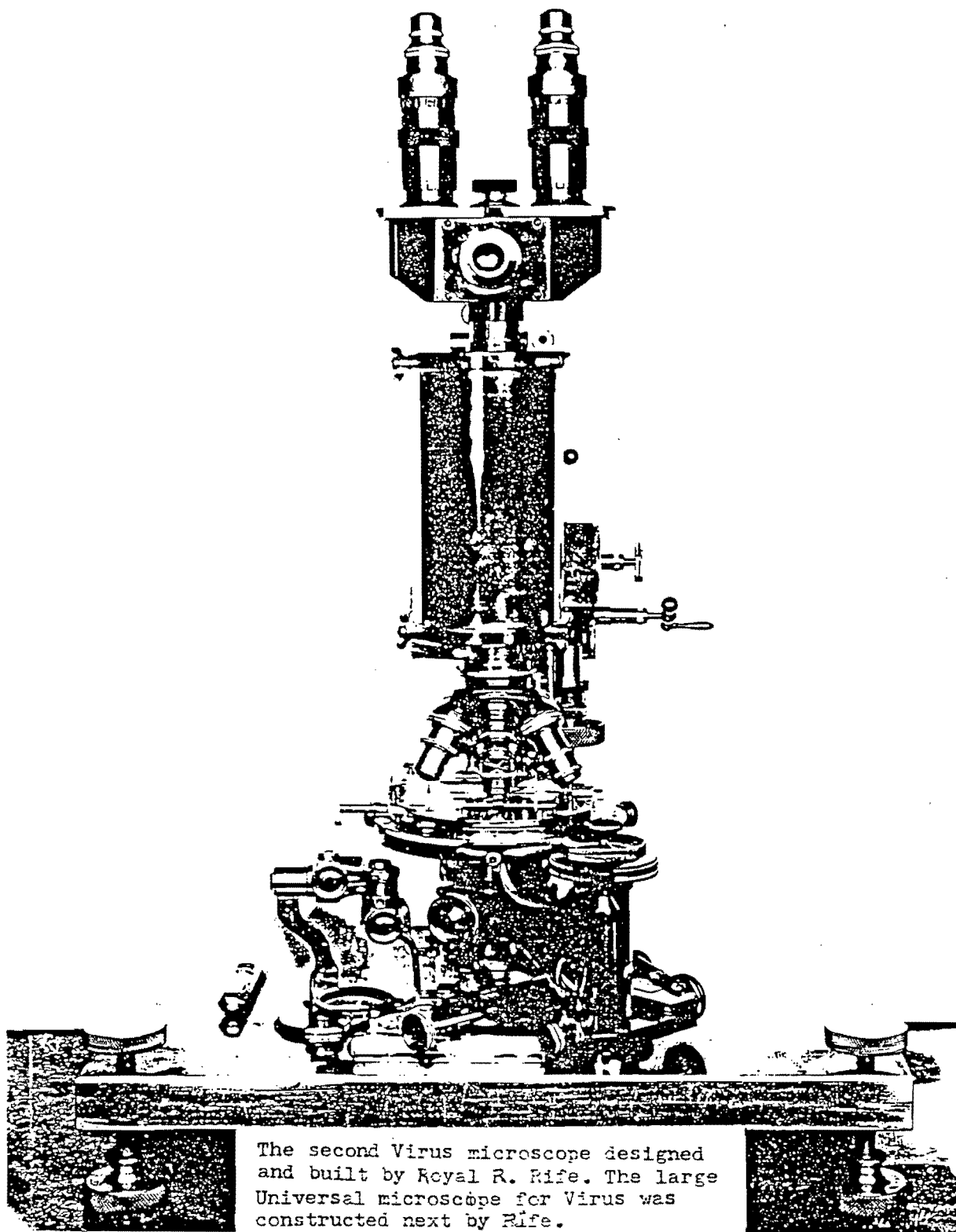
Appendix 32 Rife is shown with one of his micromanipulators.
From Borderland Science (photo supplied by John Crane).



Appendix 33 Rife's first microscope. From the New Age Journal.

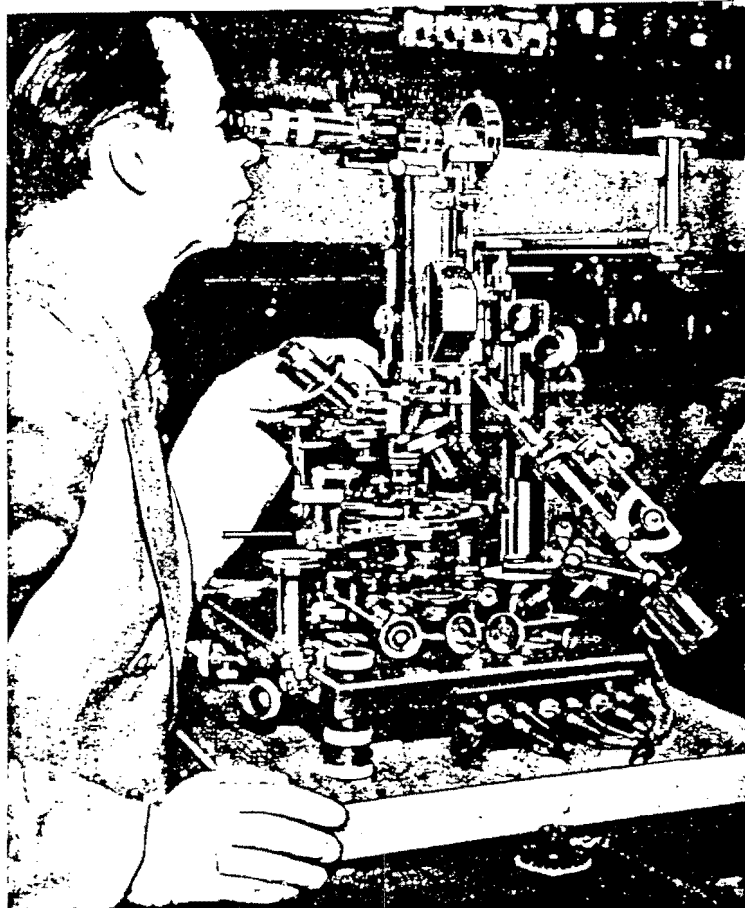


Appendix 34 Close up of Rife's first microscope. From
Borderland Science (photo supplied by John Crane).



The second Virus microscope designed and built by Royal R. Rife. The large Universal microscope for Virus was constructed next by Rife.

Appendix 35 Rife's second microscope. From Crane's P.R.M.

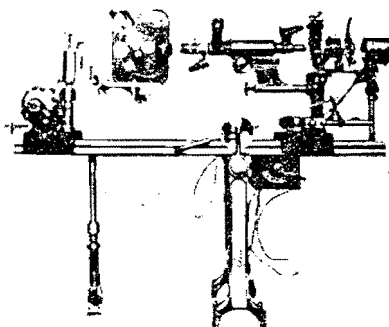


Giant Microscope Explores New Worlds

REPORTED to be so powerful that it reveals disease organisms never seen before, the giant microscope pictured above has just been completed by Royal R. Rife, of San Diego, Calif., whose home-built instruments have long been ranked among the finest in

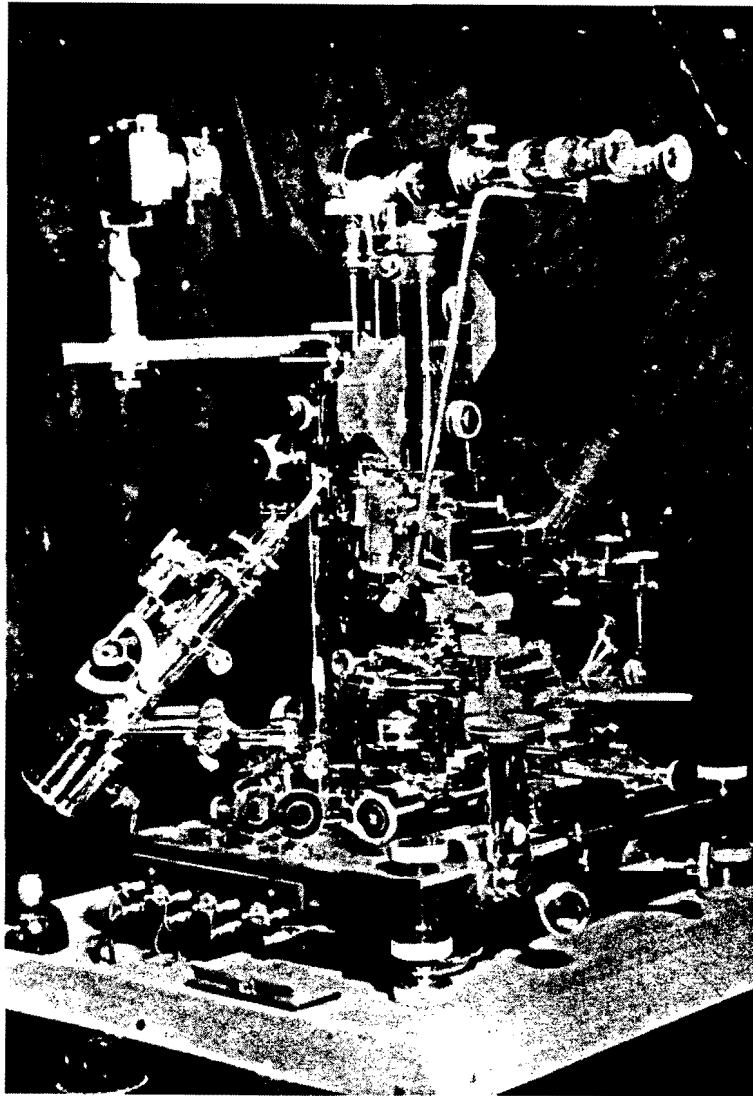
the world. To eliminate distortion, the image produced by the new two-foot-tall apparatus does not pass through the usual air-filled tube, but along an optical path of quartz blocks and prisms. Weighing 200 pounds, the microscope has 5,682 parts.

OCTOBER, 1940



Rife's first microscope

Appendix G



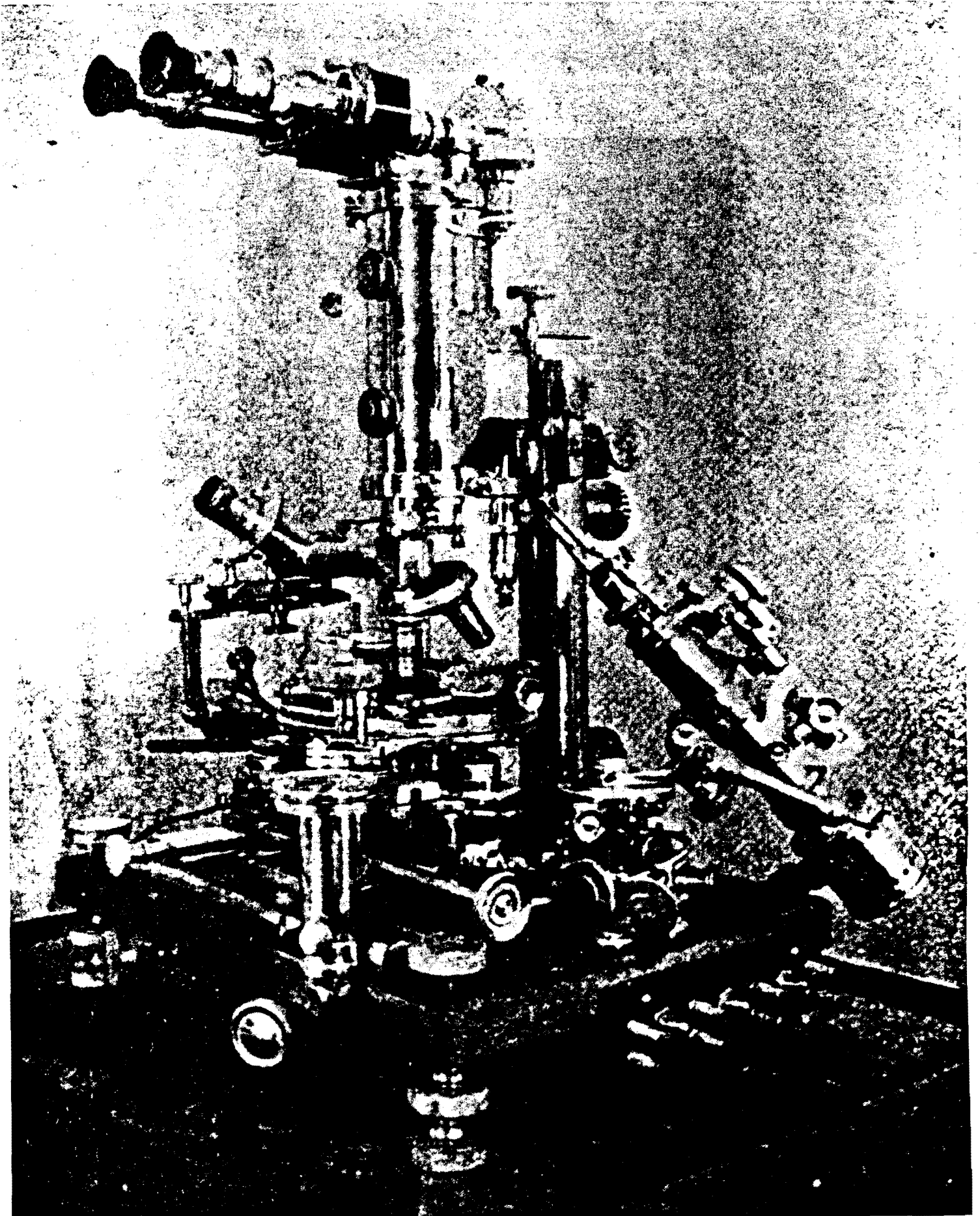
The Universal Microscope (1933)

149

Appendix 36.5 Rife's third (Universal) microscope. From The Cancer Cancer Cure That Worked! (TCCTW)

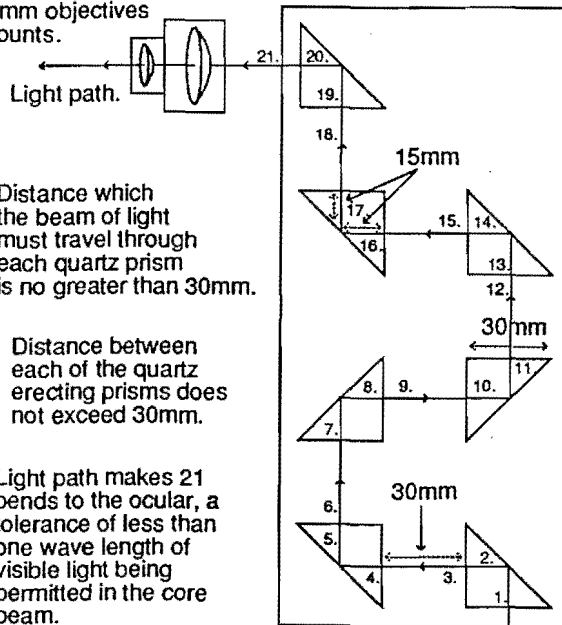
on the next page:

Appendix 37 Rife's third (Universal) microscope. From A.I.D.S. - Biological Warfare, by T.E. Bearden.



Schematic of the Rife Universal Microscope drawn from a description by Seidel & Winter in the Annual Report of the Board of Regents of the Smithsonian Institution, year ending June 30, 1944. Illustration by Rick Sheppard, September 17, 1988.

"Oculars" made from matched pairs of 10mm; 7mm; or 4mm objectives in short mounts.



Distance which the beam of light must travel through each quartz prism is no greater than 30mm.

Distance between each of the quartz erecting prisms does not exceed 30mm.

Light path makes 21 bends to the ocular, a tolerance of less than one wave length of visible light being permitted in the core beam.

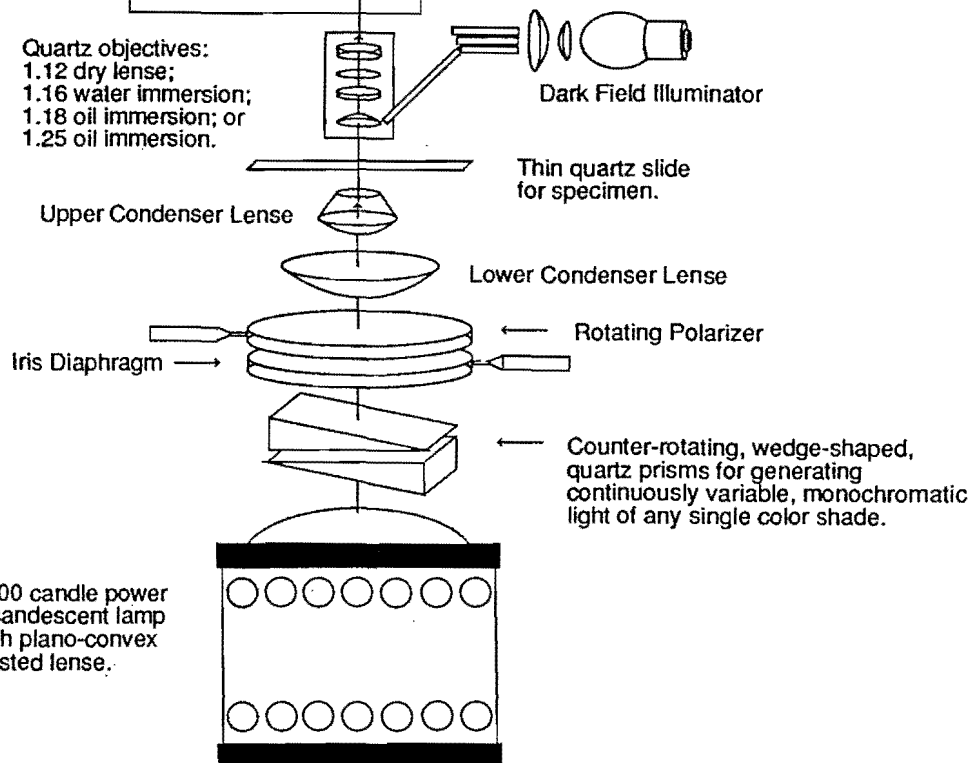
Condenser unit, consisting of a tube 229 mm long, containing seven quartz erecting prisms. Numerical aperture is 1.40.

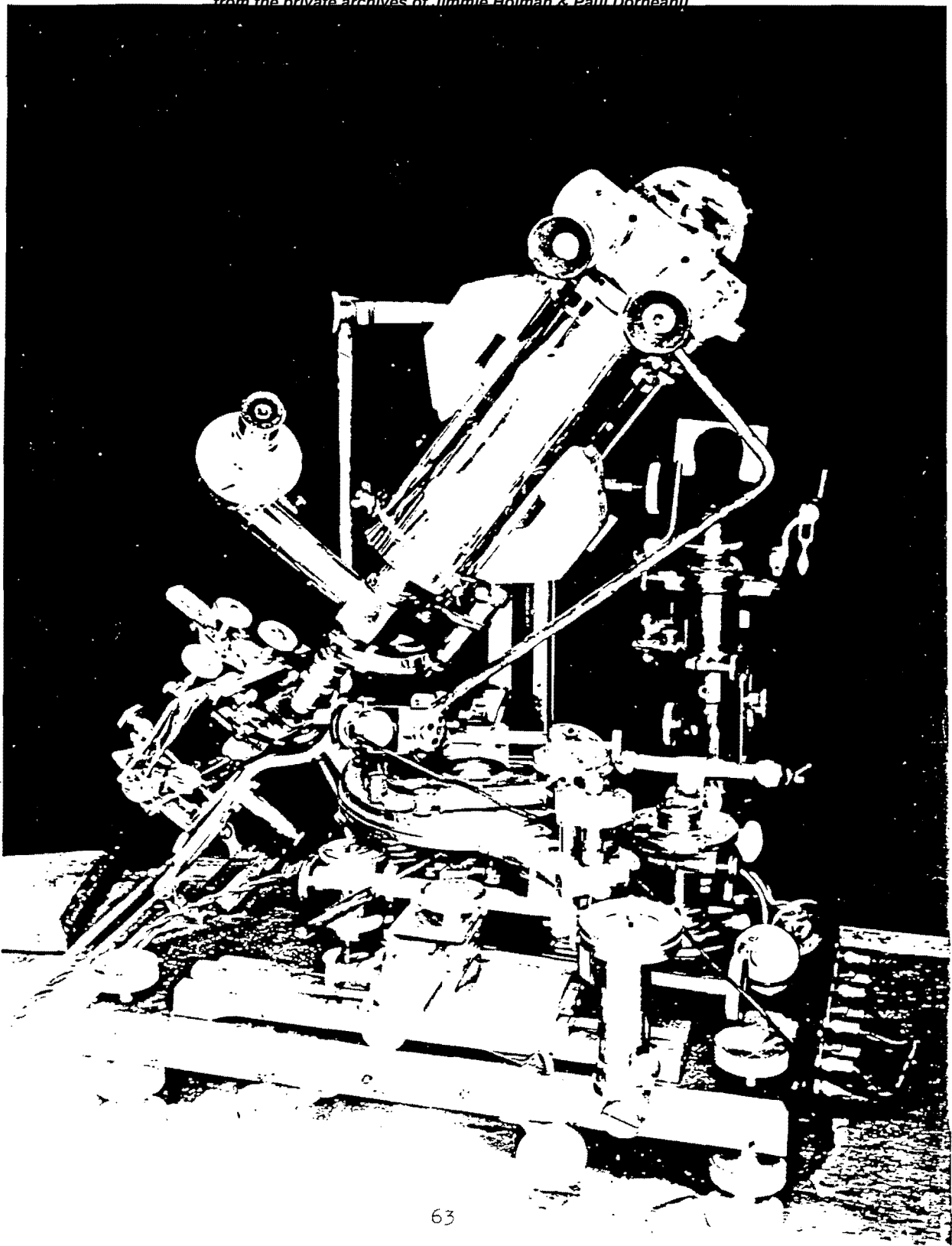
Total distance of the light path through the series of prisms in the condenser unit is 449mm.

Each 90° side of the quartz erecting prisms is 30mm.

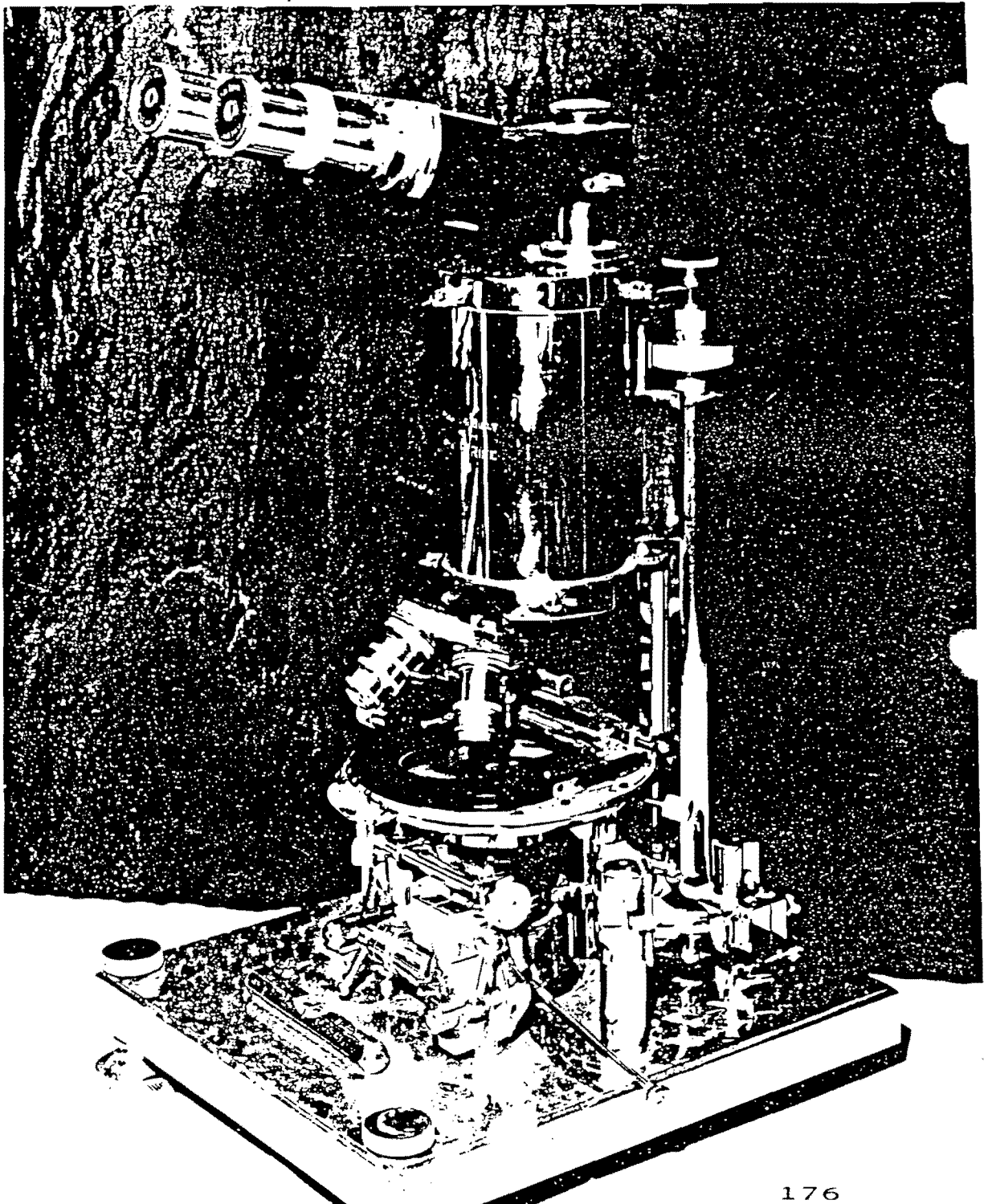
Quartz 90° erecting prisms which are for the purpose of preventing the light rays in the tube from crossing. They are adjusted to bend the rays back parallel whenever they begin to converge.

Quartz objectives:
 1.12 dry lens;
 1.16 water immersion;
 1.18 oil immersion; or
 1.25 oil immersion.





Appendix 39 View of the back of the Universal Microscope. From Borderland Science (photo supplied by John Crane).



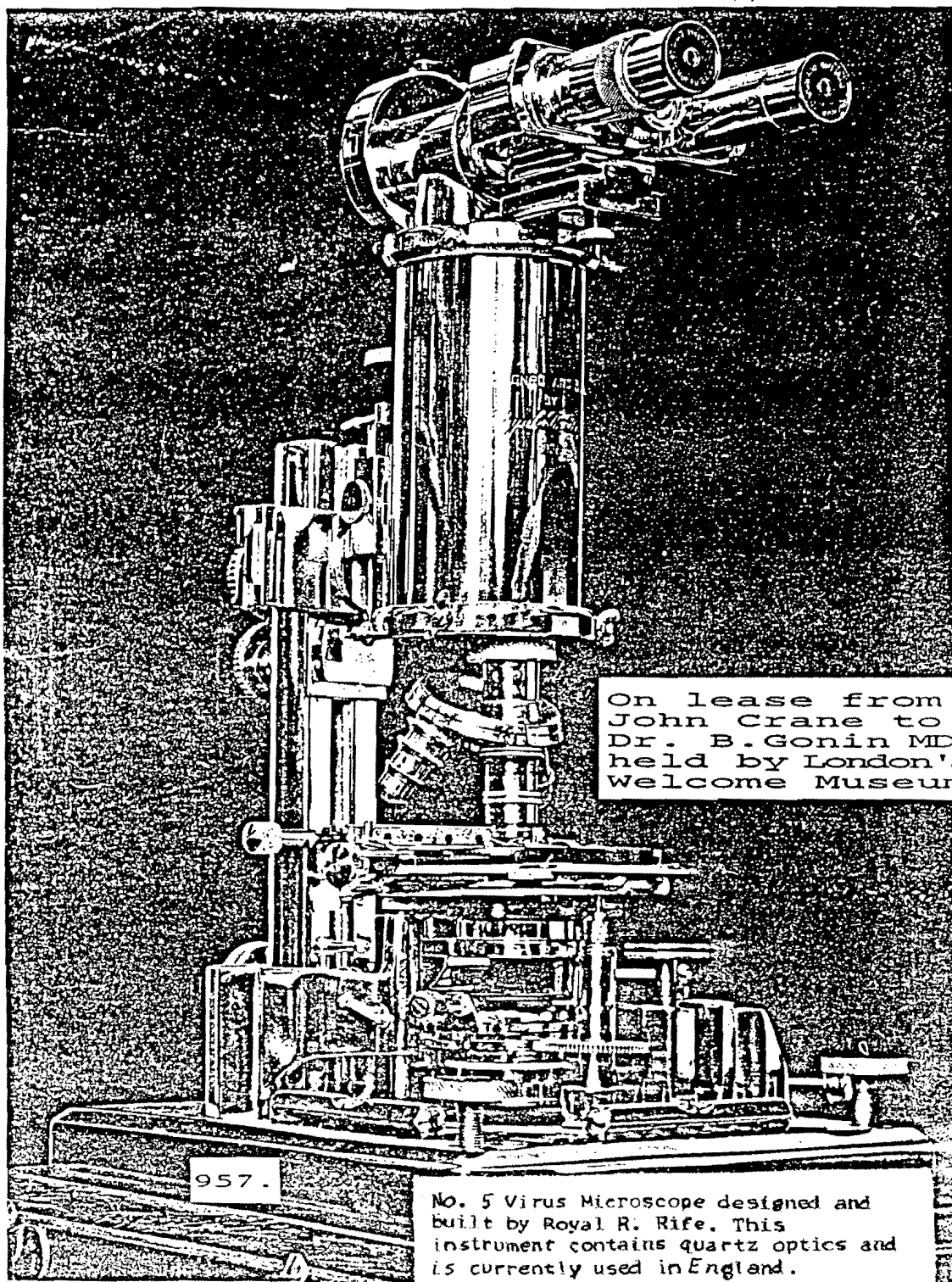
164.

176

No. 4 Virus microscope, designed and built by Royal R. Rife. This instrument has traveled world wide and is shown later in use on the Leitz Optical Bench. (Life Lab Photo - 1959)

Appendix 40 Rife's fourth microscope. From Crane's P.R.M.

**SUPPORT RIFE RESEARCH
WE WELCOME YOUR INTEREST
AND SUPPORT**



Appendix 41 Rife's fifth microscope. From Crane's P.R.M.

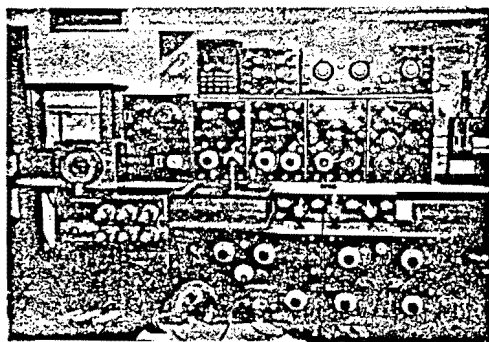
TCCTW claims that this scope was finished in 1952.

GALLERY OF RIFE RAY TUBES

blury photographs with dubious dates below each. Find the ray tube in all but one photo. From Crane's P.R.M.

ALLIED INDUSTRIES

4246 PEPPER DRIVE. SAN DIEGO 5, CALIFORNIA



FREQUENCY INSTRUMENT
1933

ELECTRON THERAPY

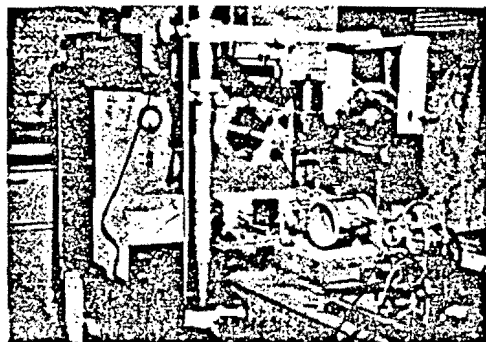
Eradication of disease is the exciting promise of new discoveries in microscopy and radio wave electron transfer by Royal R. Rife.

Virus diseases, the ancient scourge of man, which still plague millions in the world, are destroyed by modulated radio waves, tuned to precise frequencies in thousands of lab tests, the frequency instruments have killed organisms in test tubes, animals, and human patients. The lethal rays are transmitted by the frequency instrument ray tubes. Most cases respond within a period of two months and diseases are quickly rendered non-infectious. Destruction of the organisms by rays is described as being similar to the phenomenon of transmitted electron energy and coordinating resonance of critical frequencies with electro magnetic and static fields.

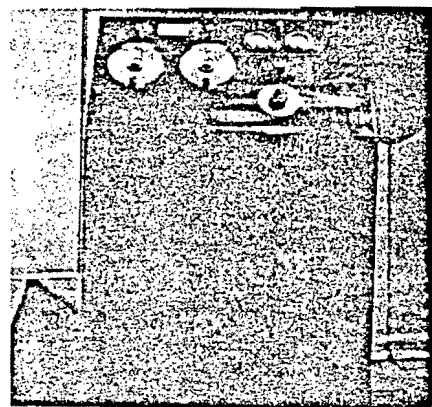
Rife has demonstrated that the frequency instruments have the power to kill germs without harm to human tissue.

Development of the ray to the point where it is now used effectively against virus, bacteria and fungi has been accomplished and made possible by two other discoveries of nearly equal importance to practitioners and lab workers. One has been the design and construction by Rife of powerful virus microscopes, shown on the opposite page, with special patented illumination and peak magnification beyond 17,000x. The other is Rife's isolation of pure cultures of the filterable forms of virus, which are too small to be seen with the best research microscopes. Virus has been revealed for the first time as the prenatal cell of pathogenic disease and is viewed by the heterodyne wave length of light transmitted through the virus.

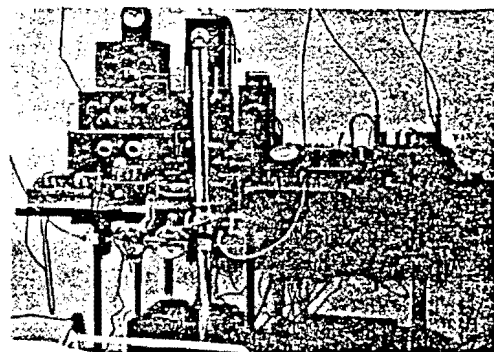
JOHN F. CRANE



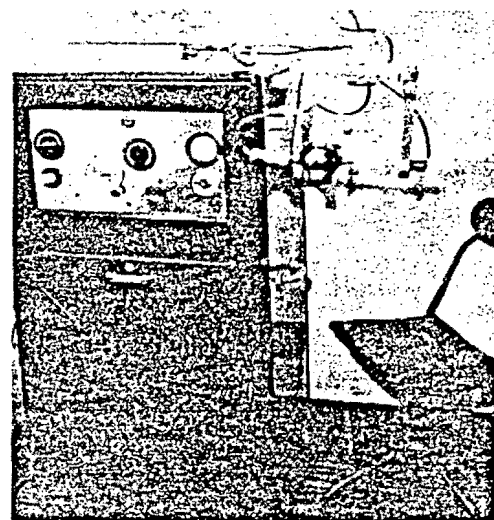
FREQUENCY INSTRUMENT
1935



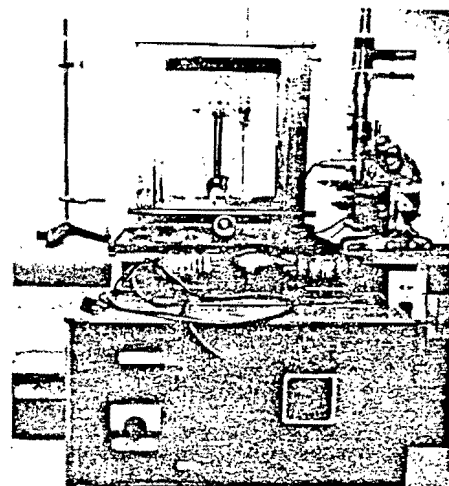
FREQUENCY INSTRUMENT
1942



FREQUENCY INSTRUMENT
1929



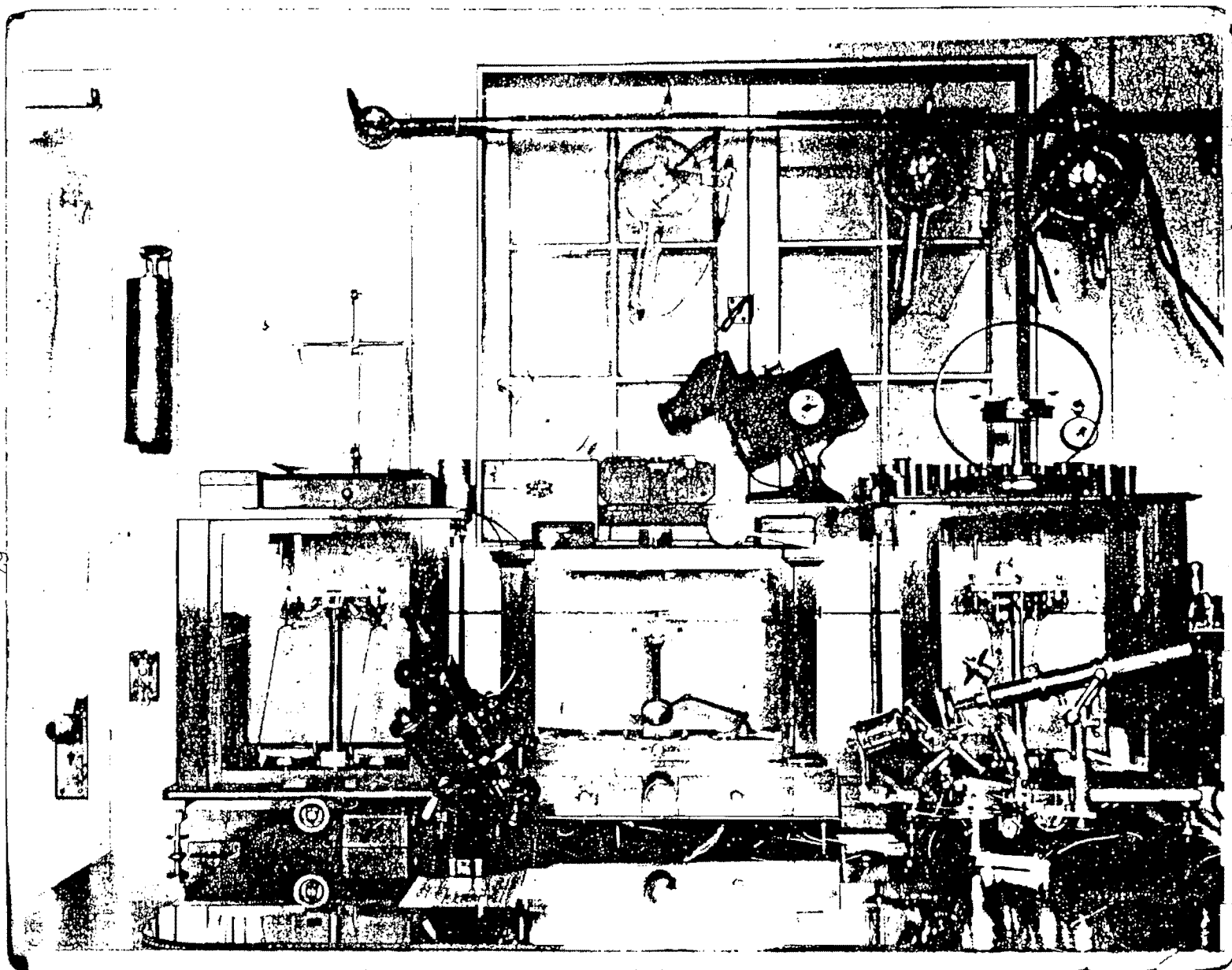
FREQUENCY INSTRUMENT
1936
(One of Twelve)



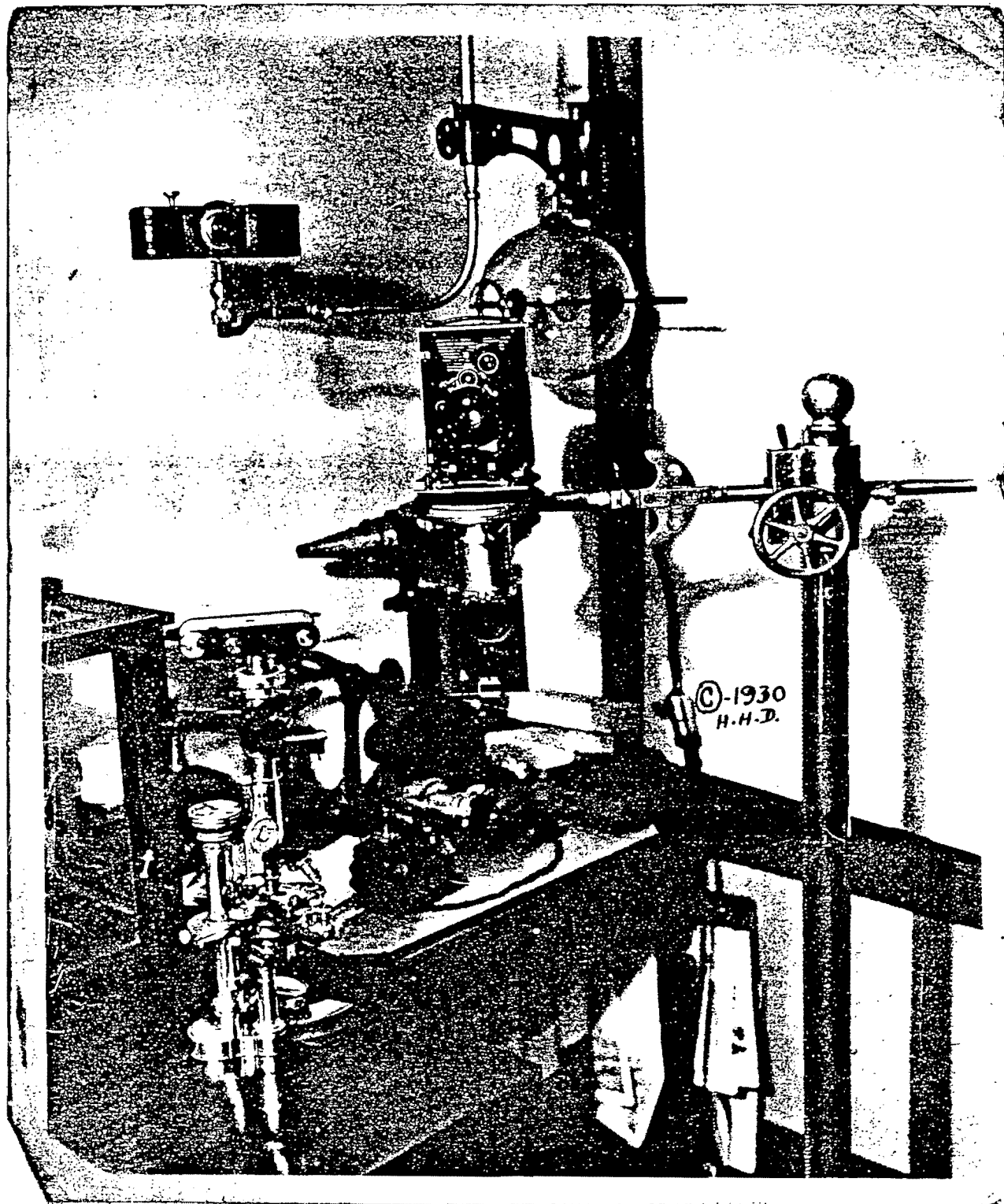
FREQUENCY INSTRUMENT
1954-1959
(One of Six)

Page 124
The Rife Way III

note ray tubes

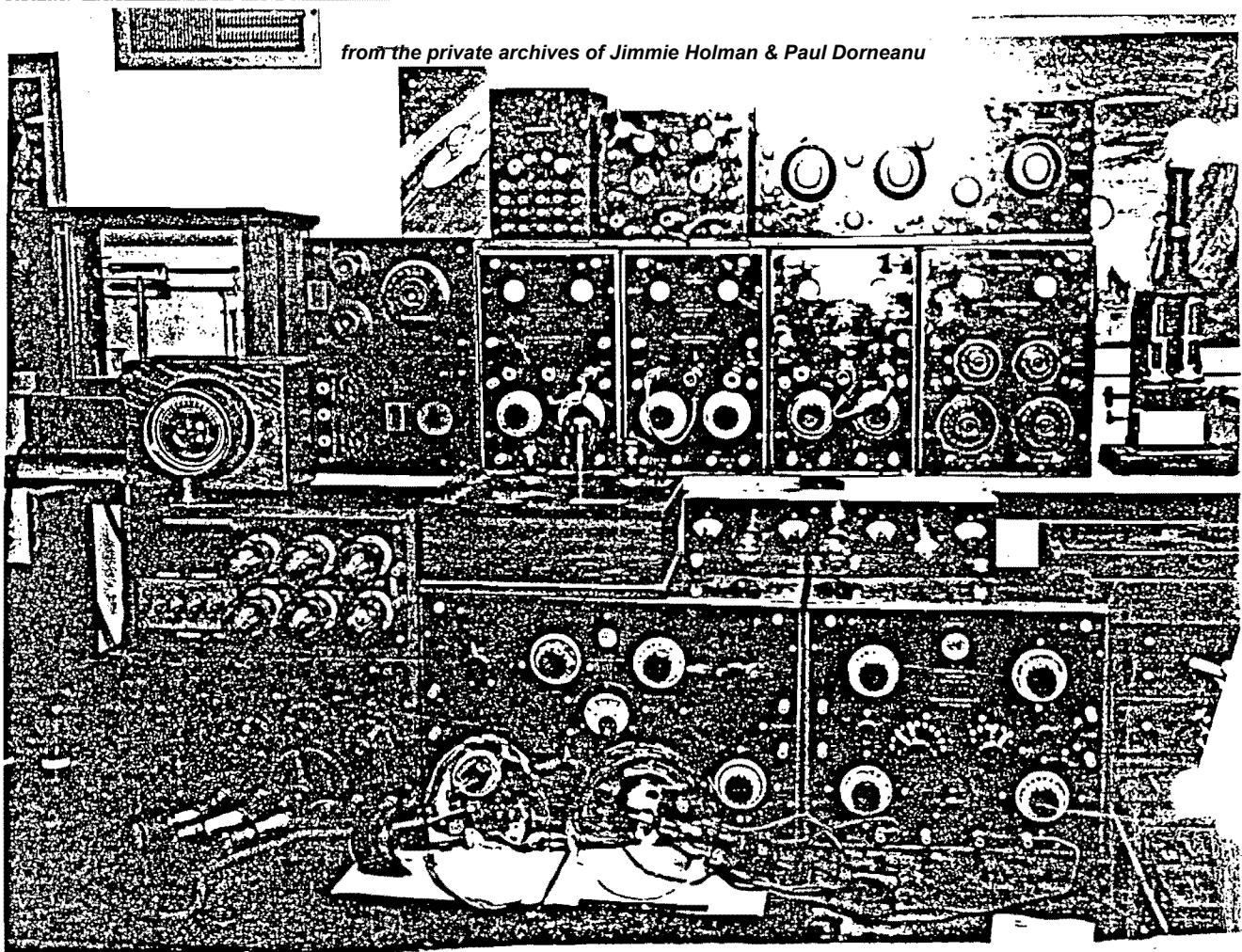


Appendix 43 Three ray tubes? From Borderland Science
(photo supplied by John Crane).



65

Appendix 44 A ray tube, date unknown. From Borderland Science (photo supplied by John Crane).



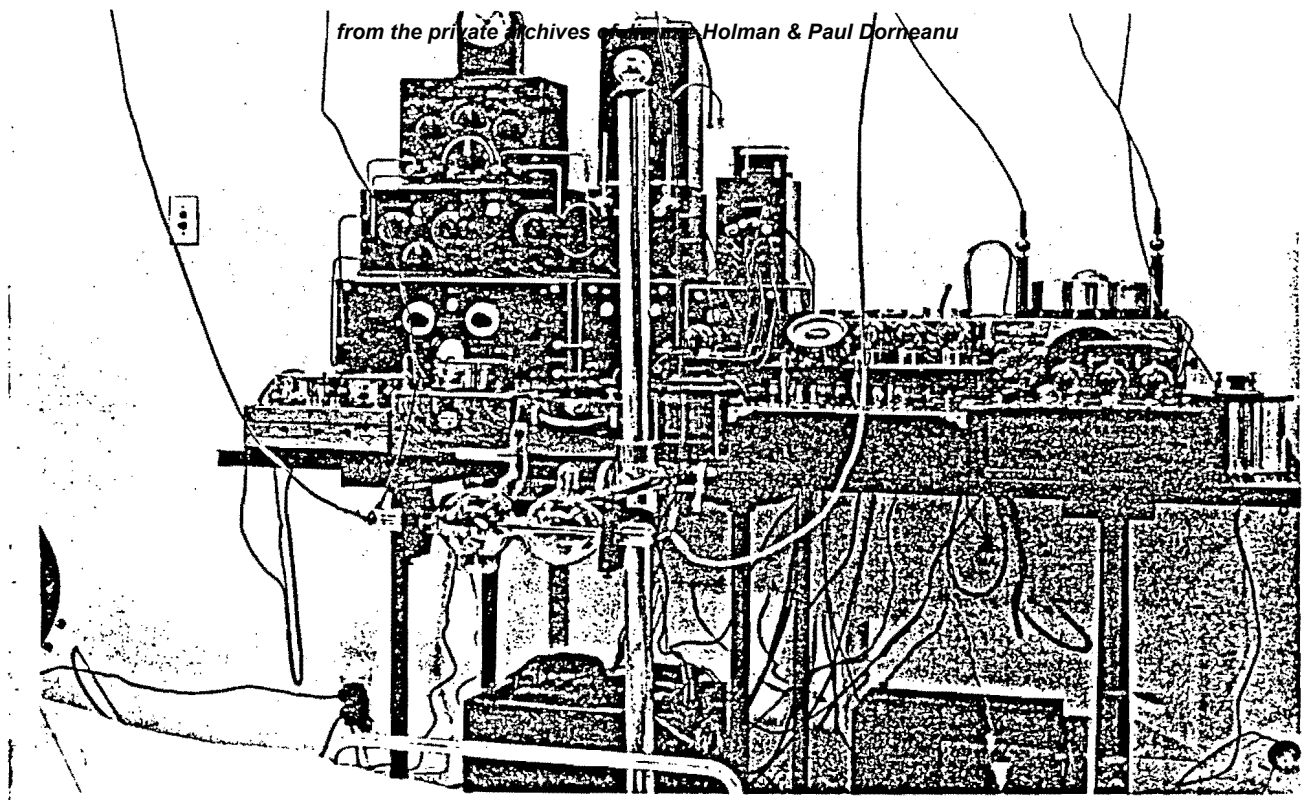
This photo shows the "57" dials and controls used in the original Rife Frequency Instrument when he demonstrated human clinical methods for the treatment of Carcinoma, sarcoma, tuberculosis, and other internal infections using the Frequency Instrument and the "Rife Ray" tubes shown in the foreground. These tubes are now of historical value from the 1934 clinic. The cabinets were made of plastic and polished walnut and are still in excellent condition. Some of the equipment was made by Colin B. Kennedy of San Francisco, Westinghouse Electric and some of the coils were hand wound by Rife. The Frequency Instrument was powered by six motor generator sets continually charging 600.00 worth of 80 wet cell batteries. This gave Rife excellent frequency control (without line voltage variation.). 14 out of 16 hopeless patients were clinically cured in two months time in 1934. Dr. Milbank Johnson supervised the clinic as Chairman of a Special Medical Research Committee of the University of Southern California (who now have misplaced the records) and in 1937 established another clinic in Pasadena in which other outstanding results were obtained on eye cataracts, glaucoma, streptococci, staphylococci, and many other pathogenic diseases.

In contrast to the old frequency instrument, the new one can be carried by one person. Although size has not been too important yet, future possibilities of space medicine may require that a frequency instrument may be put in your pocket, and if so, it will be done.

(Life Lab photo - 1959)

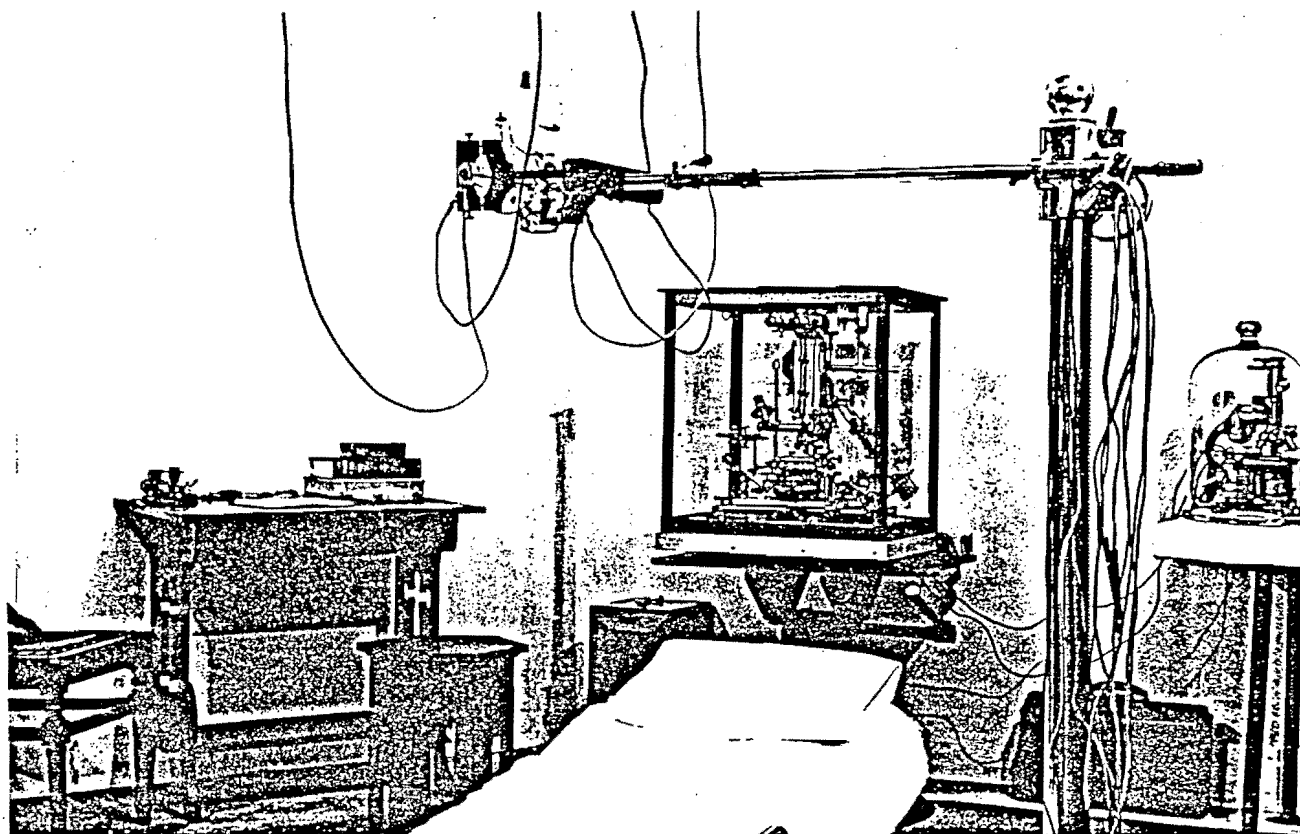
958.

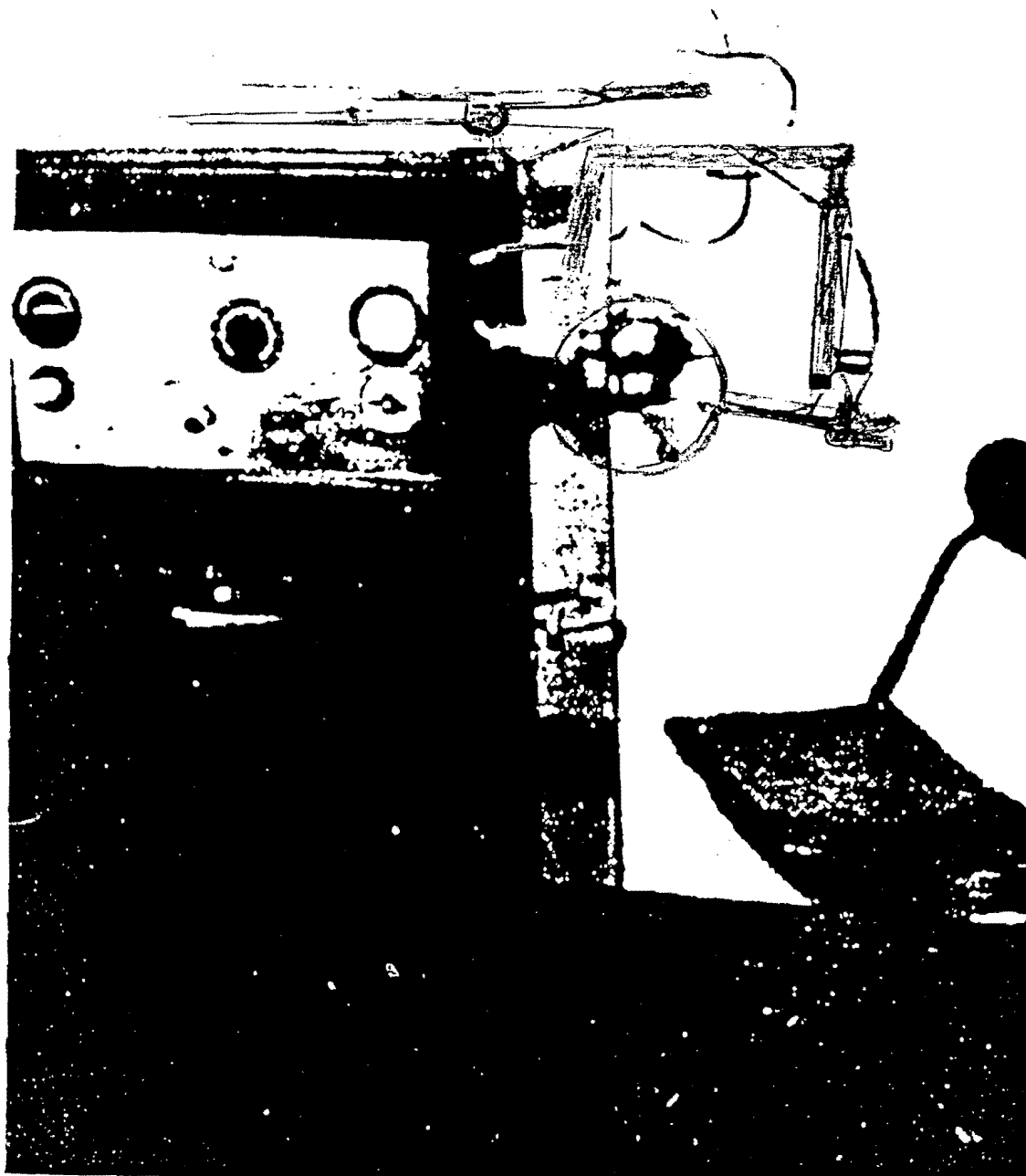
Appendix 44.5 (if you knew how many times I've renumbered every Appendix in this work, you wouldn't blame me!) "57 dials"
From Crane's P.R.M.



Crane's P.R.M. —

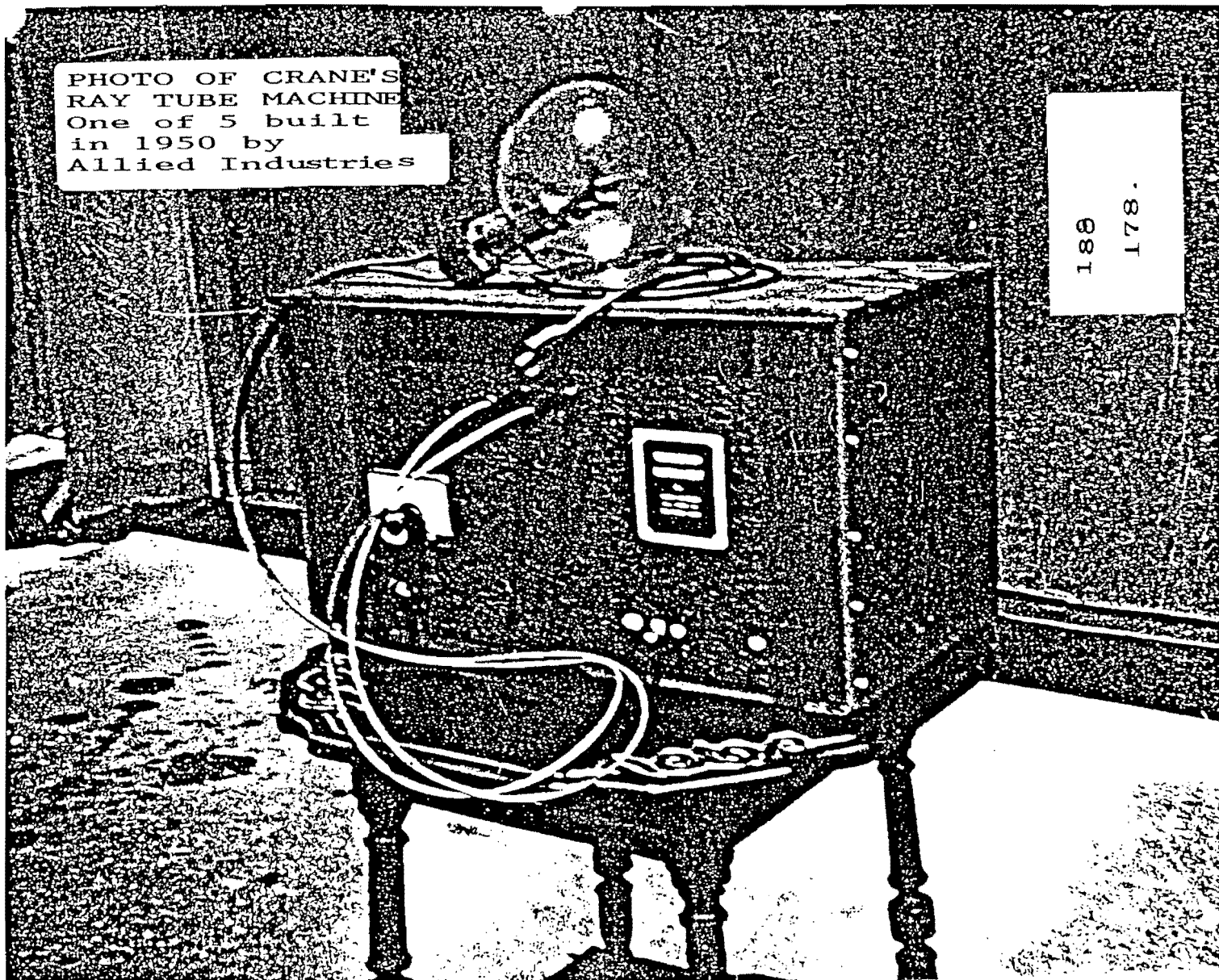
Appendix 45 An early ray tube set up (1929?). Also a treatment room. Note the Universal scope under the case. This photo is staged as Rife would have been using the scope in his laboratory.





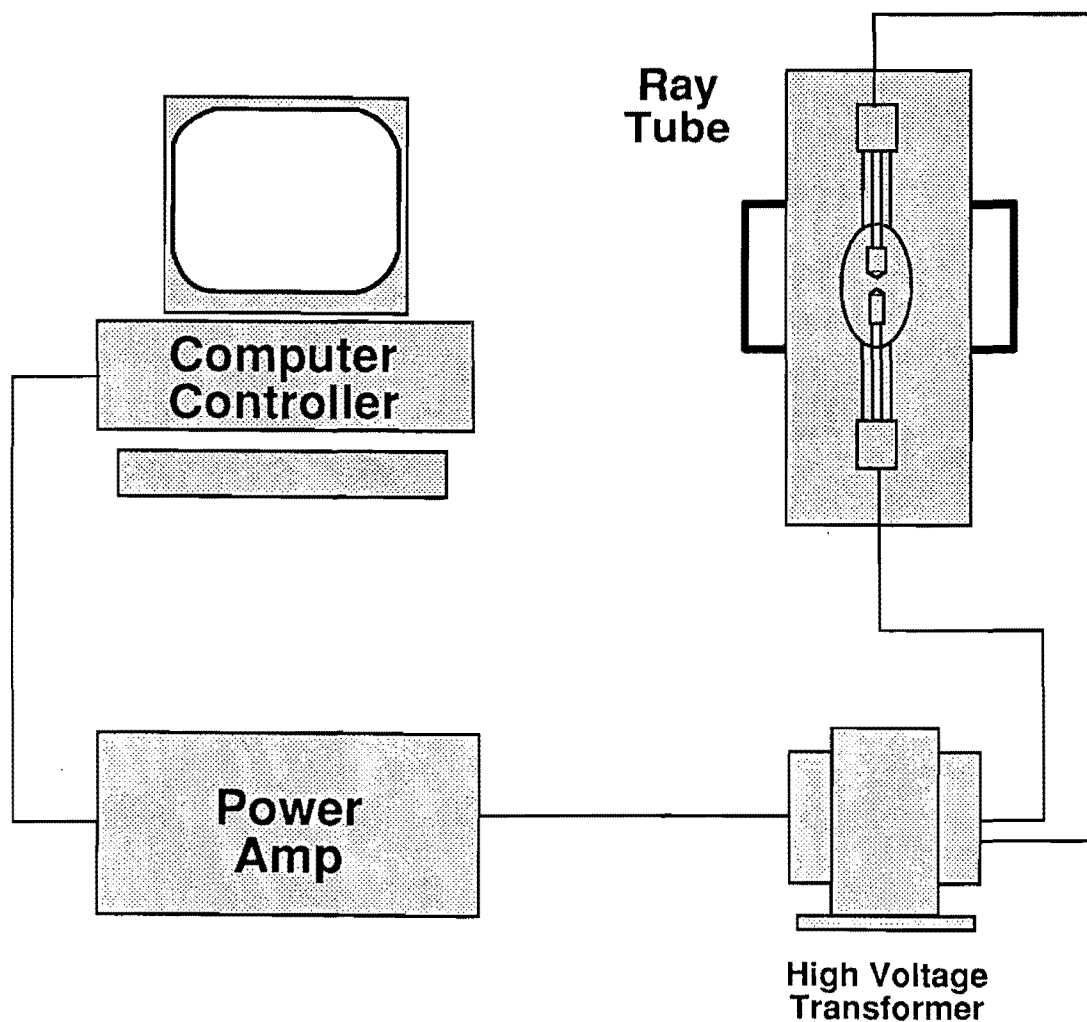
FREQUENCY INSTRUMENT
1936
(One of Twelve)

Appendix 46 This could be a Beam Ray Corp. instrument.
Photo enhanced by M.S. From Crane's P.R.M.

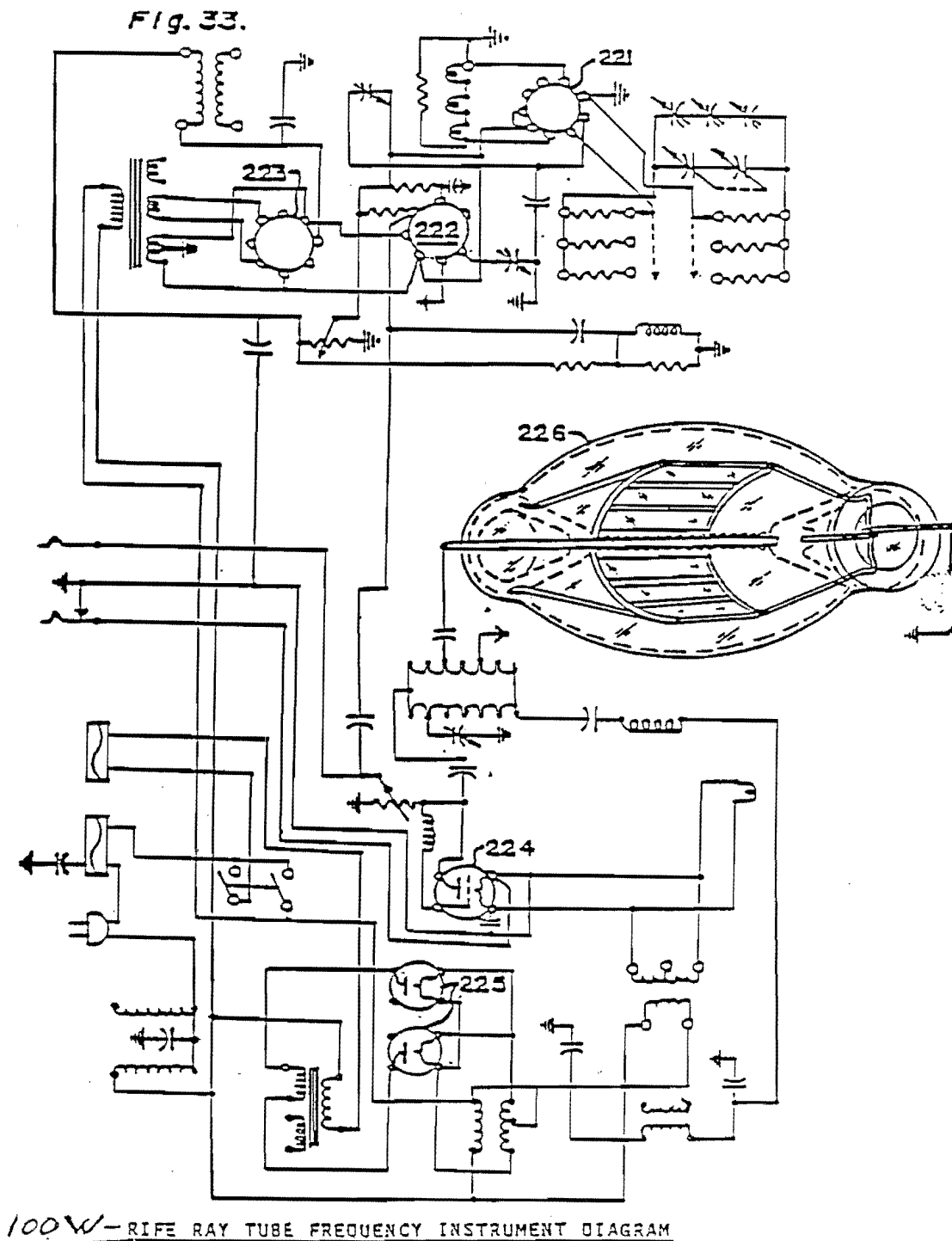


Appendix 47 This could be a Beam Ray Corp. instrument. I see Crane's caption, but this unit looks like 1939 vintage to me. From Crane's P.R.M.

Modernized Ray Tube System Without RF Carrier as developed by Rife & Hoyland in 1936



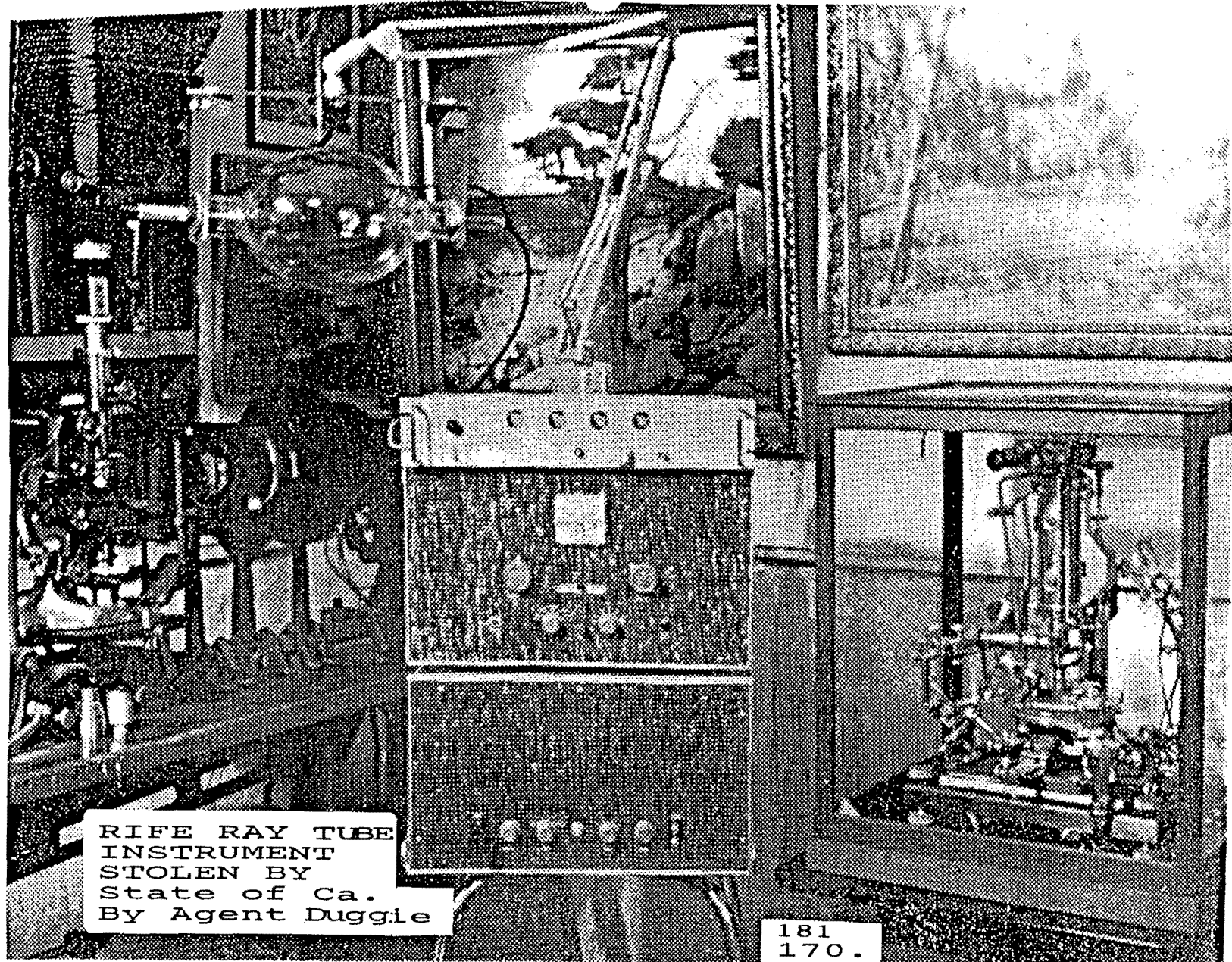
Appendix 48 Drawing of a modern ray tube set up, by Rick Sheppard.



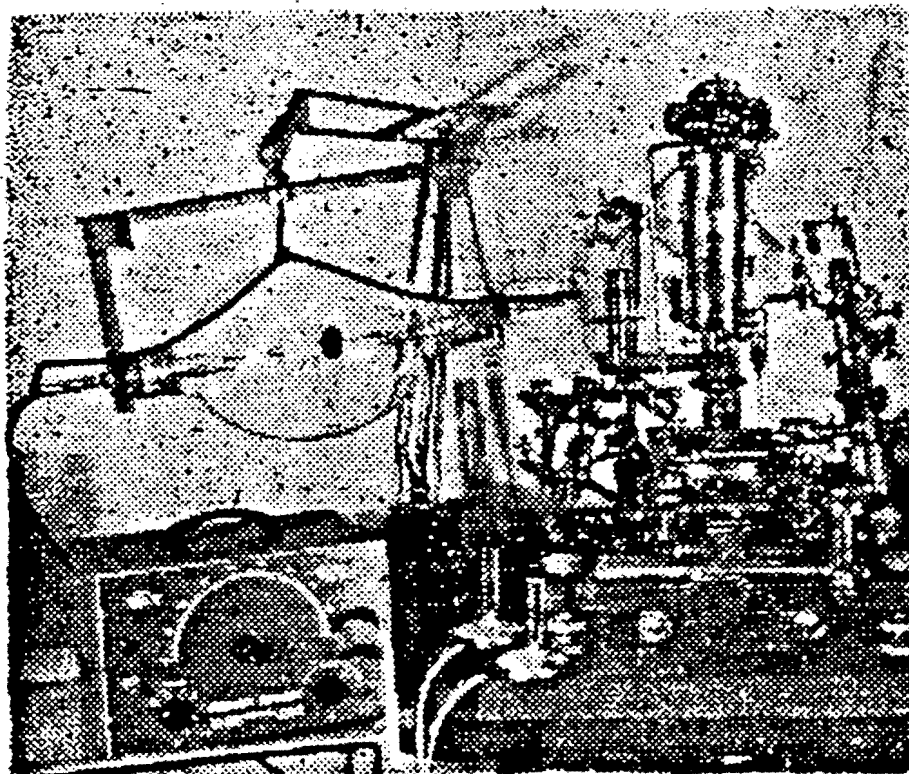
171

Appendix 49 Schematic of what may be an early Rife/Crane ray tube. From Crane's P.R.M.

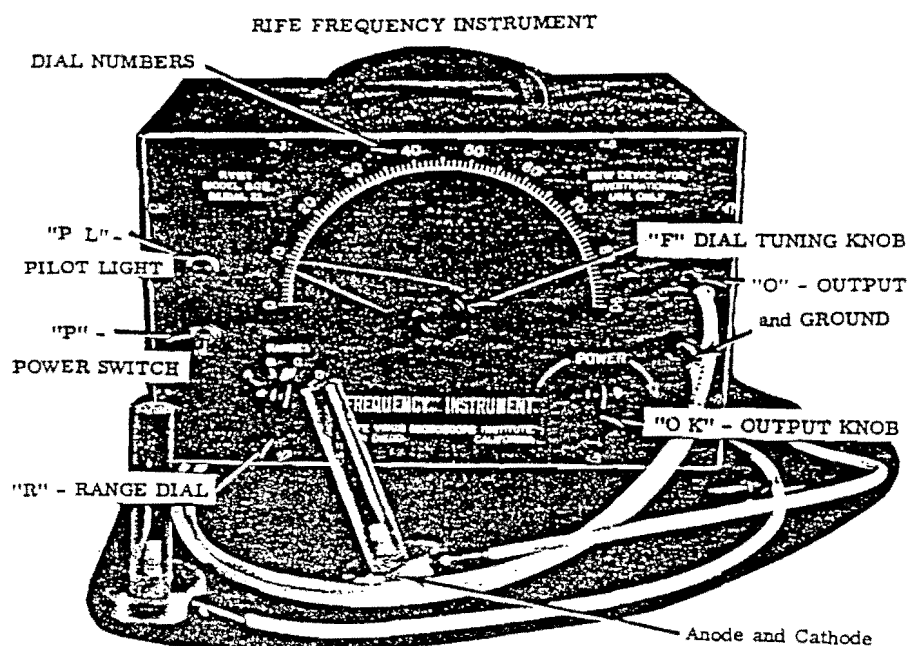
RIFE PIONEERED VIBRATIONAL MEDICINE



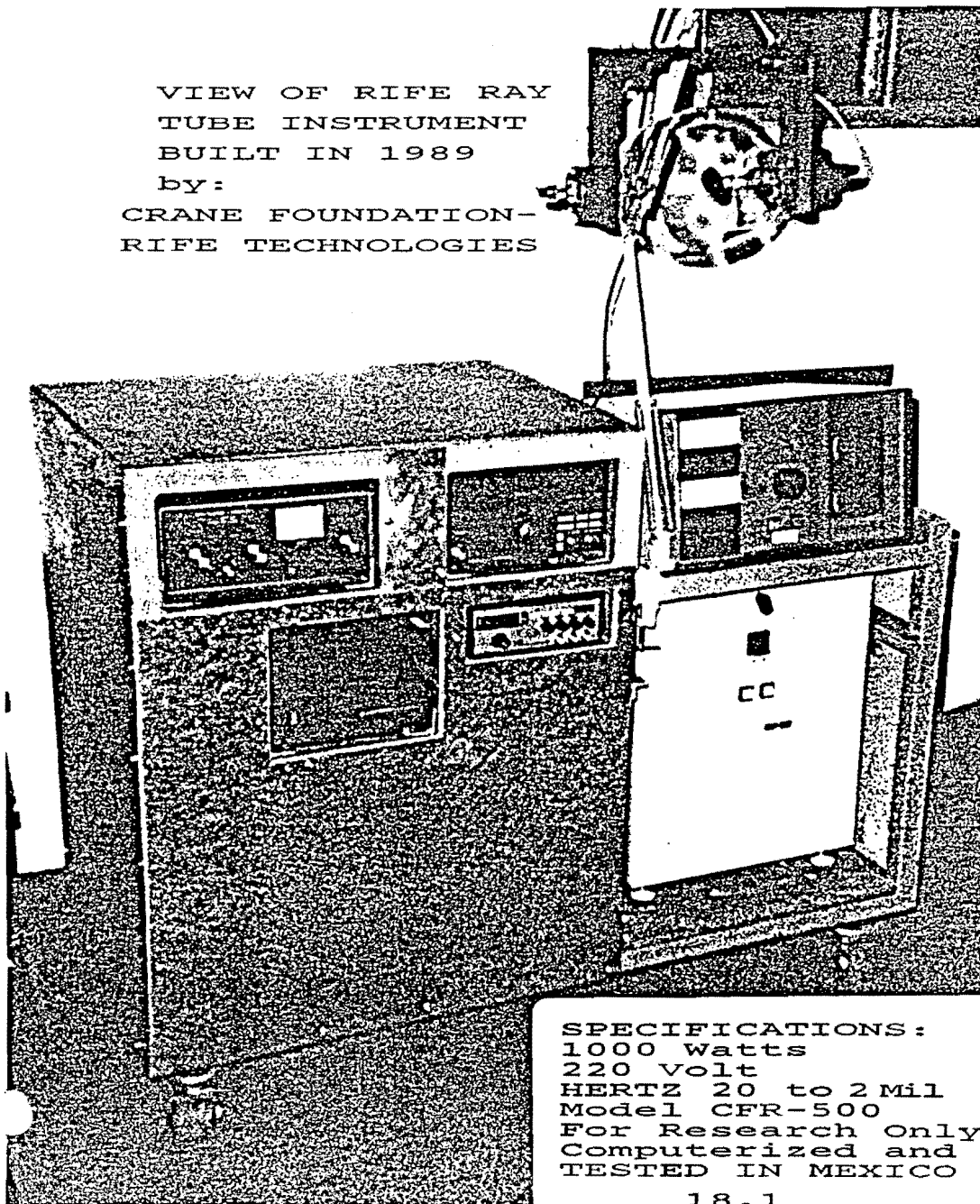
Appendix 50 Great photo of what I think is a Rife/Crane ray tube from around 1956. From Crane's P.R.M.



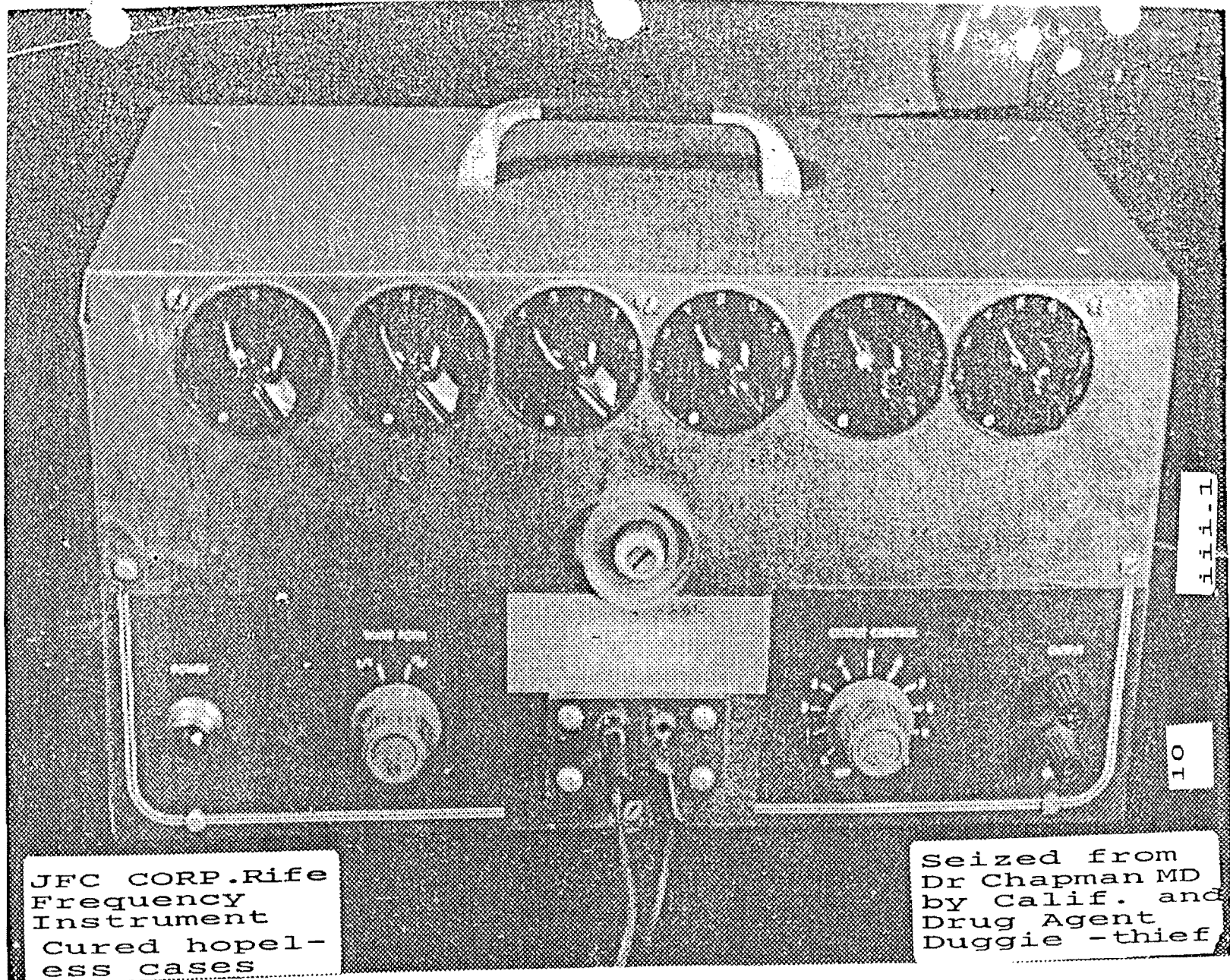
Rife Virus Prismatic Universal Microscope with Frequency Instrument, Rife Ray Tube and Sound Transducers.



VIEW OF RIFE RAY
TUBE INSTRUMENT
BUILT IN 1989
by:
CRANE FOUNDATION-
RIFE TECHNOLOGIES



Appendix 52 Crane's modern day ray tube. From Crane's
P.R.M.

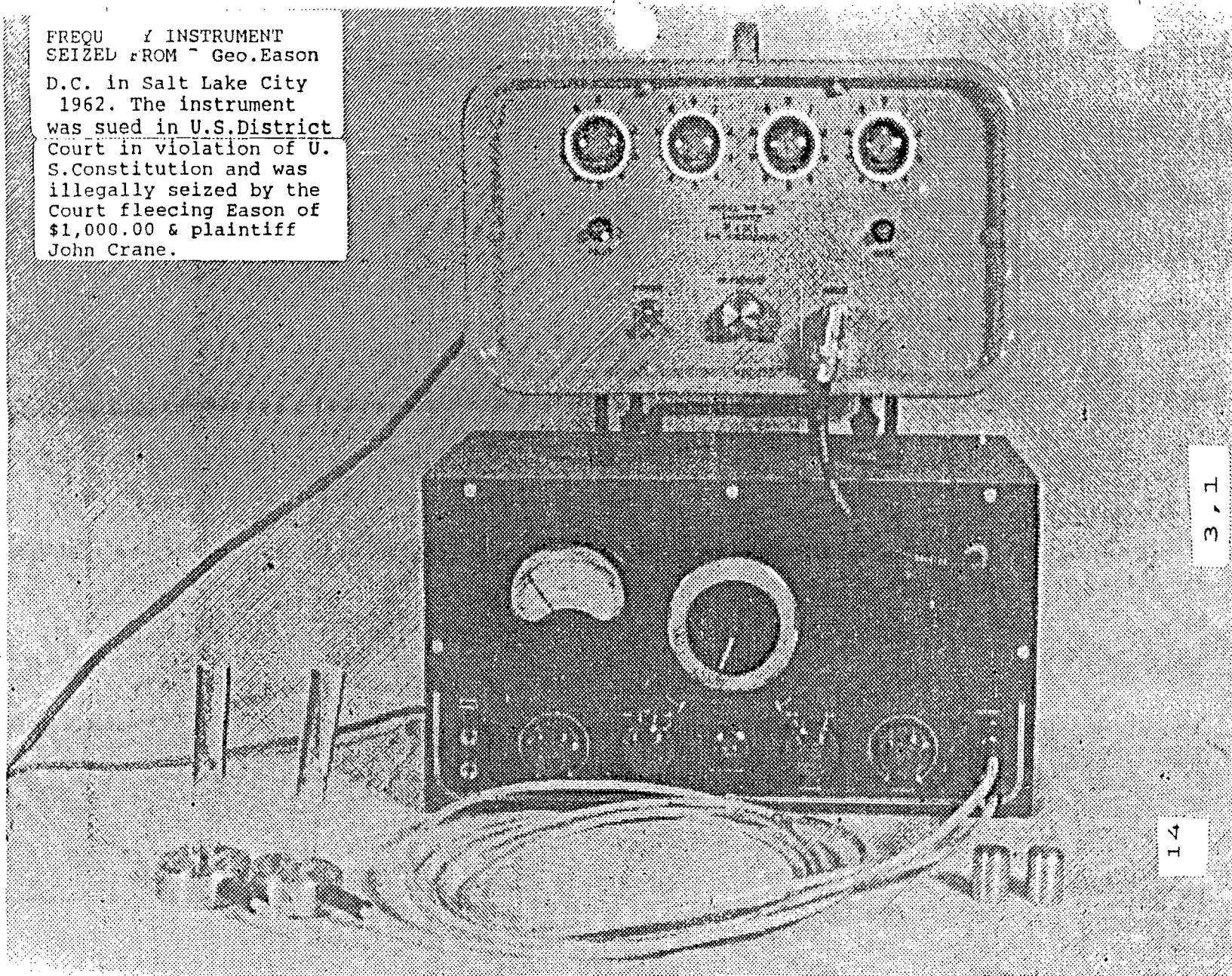


JFC CORP. Rife
Frequency
Instrument
Cured hopeless
cases

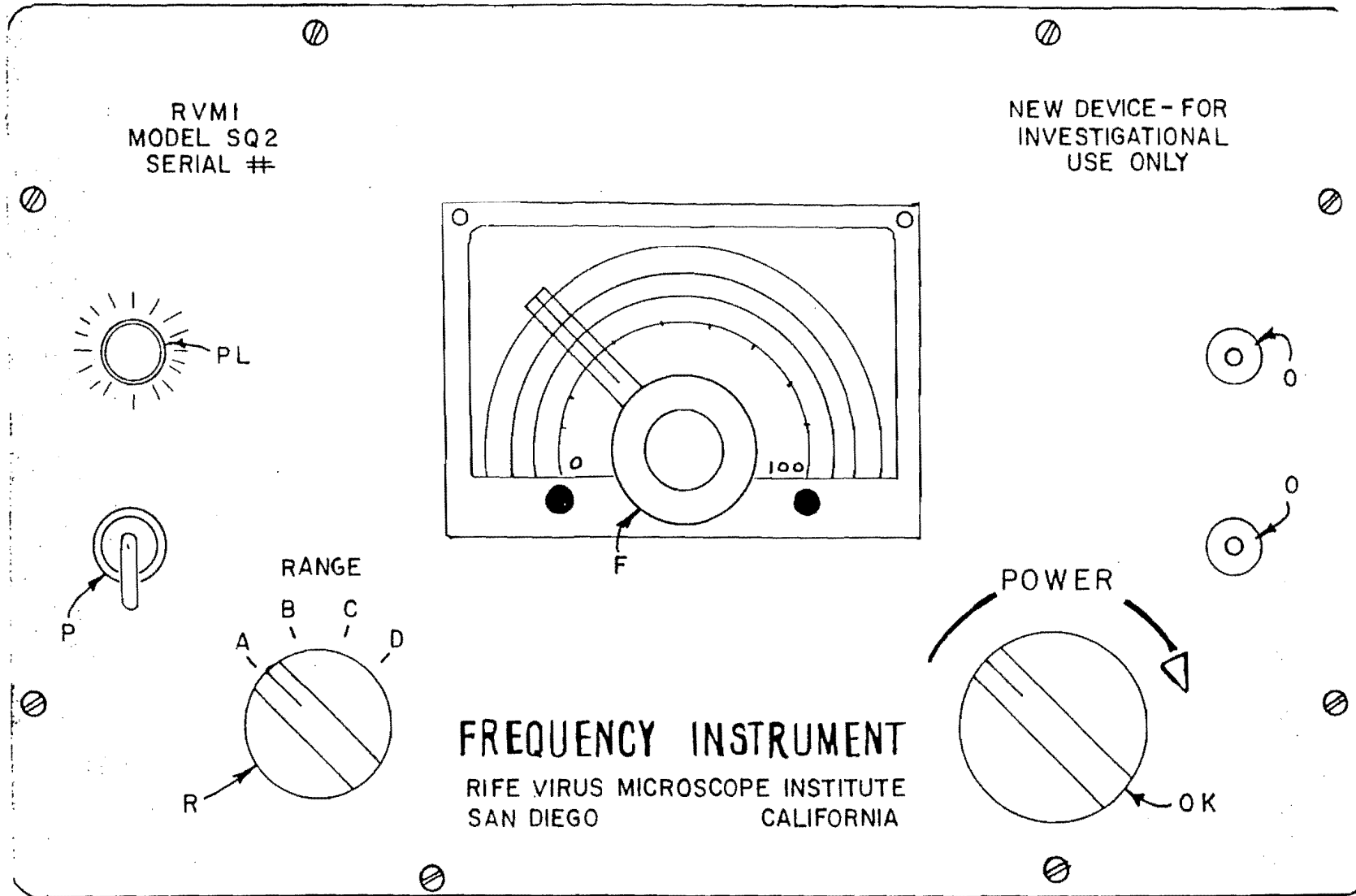
Seized from
Dr Chapman MD
by Calif. and
Drug Agent
Duggie -thief

Appendix 53 An old off the shelf frequency generator, which may have powered various Rife/Crane ray tubes in the late 50s. Note bulb in upper right hand corner. From Crane's L.N.M.

FREQUENCY INSTRUMENT
SEIZED FROM ~ Geo. Eason
D.C. in Salt Lake City
1962. The instrument
was sued in U.S. District
Court in violation of U.
S. Constitution and was
illegally seized by the
Court fleecing Eason of
\$1,000.00 & plaintiff
John Crane.



Appendix 54 No ray tube in sight, but this most interesting
of old electrode units includes a meter (volts?, miliamps?) on
the bottom unit and is piggybacked to another unit (as does
our S.W.W.T. II unit). From Crane's P.R.M.
from the private archives of Jimmie Holman & Paul Dorneanu



Appendix 55 Another off the shelf (my guess) frequency generator which underwent a label change. From a Rife Virus Microscope Institute Frequency Instrument Manual.

GALLERY OF ROGUES



Courtesy of John Crane

ROYAL RAYMOND RIFE ON THE
CONCERT STAGE PLAYING ALSO THE
MELLOPHONE, FRENCH HORN & CELLO

The dashing Roy Rife is said to have met the lovely Chinese maiden, Mamie Quinn on a double blind date. They married in 1912.



from TCCTW



photo from the Crane Foundation

Rife and his second wife, Amelia Aragon (I believe).

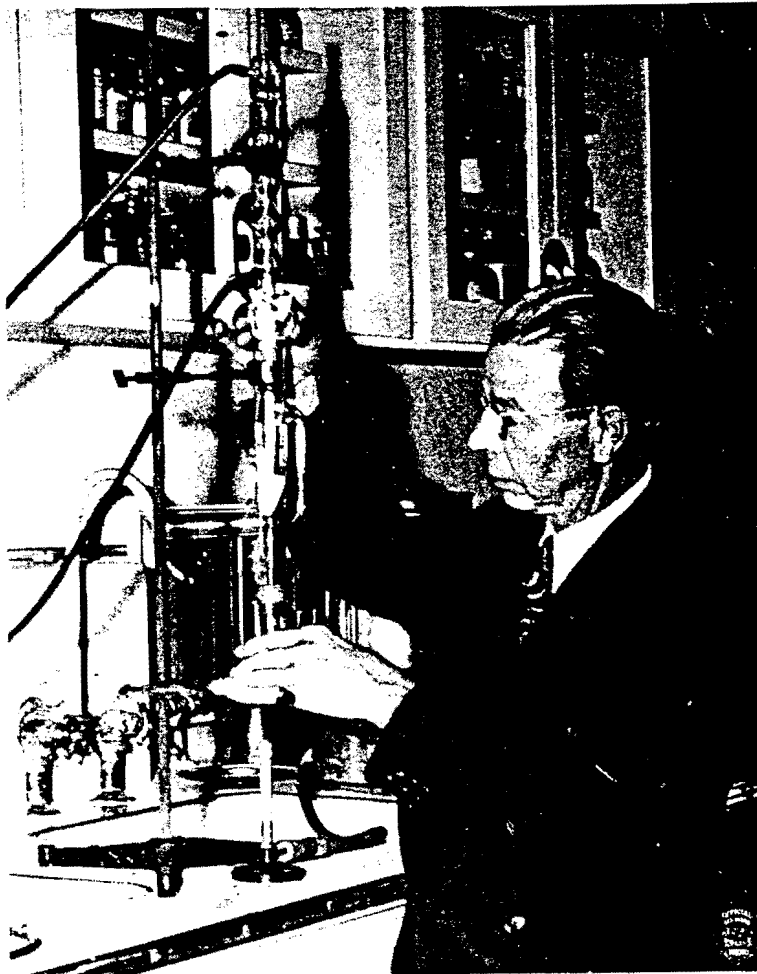


photo from the San Diego Police Dept.

Rife in 1960

"I have given many years of my life in a work that I have hoped may be of some benefit to mankind, as you know I have published little but I have volumes of records of this work which will be left as my bequest to humanity and they can take them for what they are."

Royal Raymond Rife 11-25-36



from John Crane



Courtesy Christopher Bird



"Oh Lord! How I wish we could get together and go over this work! I believe it will result in epochal changes in the profession's handling of cataract cases." Milbank Johnson, M.D.



The Doctor's Gathering—Nov 1931

Kendall, Johnson & Rife are in front of the window

photo from TCCTW

Courtesy of American College of Physicians



*American Bacteriologist,
Dr. Edward C. Rosenow*

"Owing to the novel and important character of the work, each of us verified at every step the results obtained. Microscopic examinations of suitable specimens was made as a routine by Dr. Rife with his high-power microscope, by Dr. Kendall with the oil immersion dark field, and by myself with the ordinary Zeiss microscope..." Dr. Edward C. Rosenow

"This afternoon I have a meeting with Dr. Hardin, President of the Board of Trustees of the University: he is much interested in Roy [Rife] and his splendid work..." Dr. Arthur I. Kendall

Courtesy of Californian of Western Medicine



Dr. Arthur Isaac Kendall

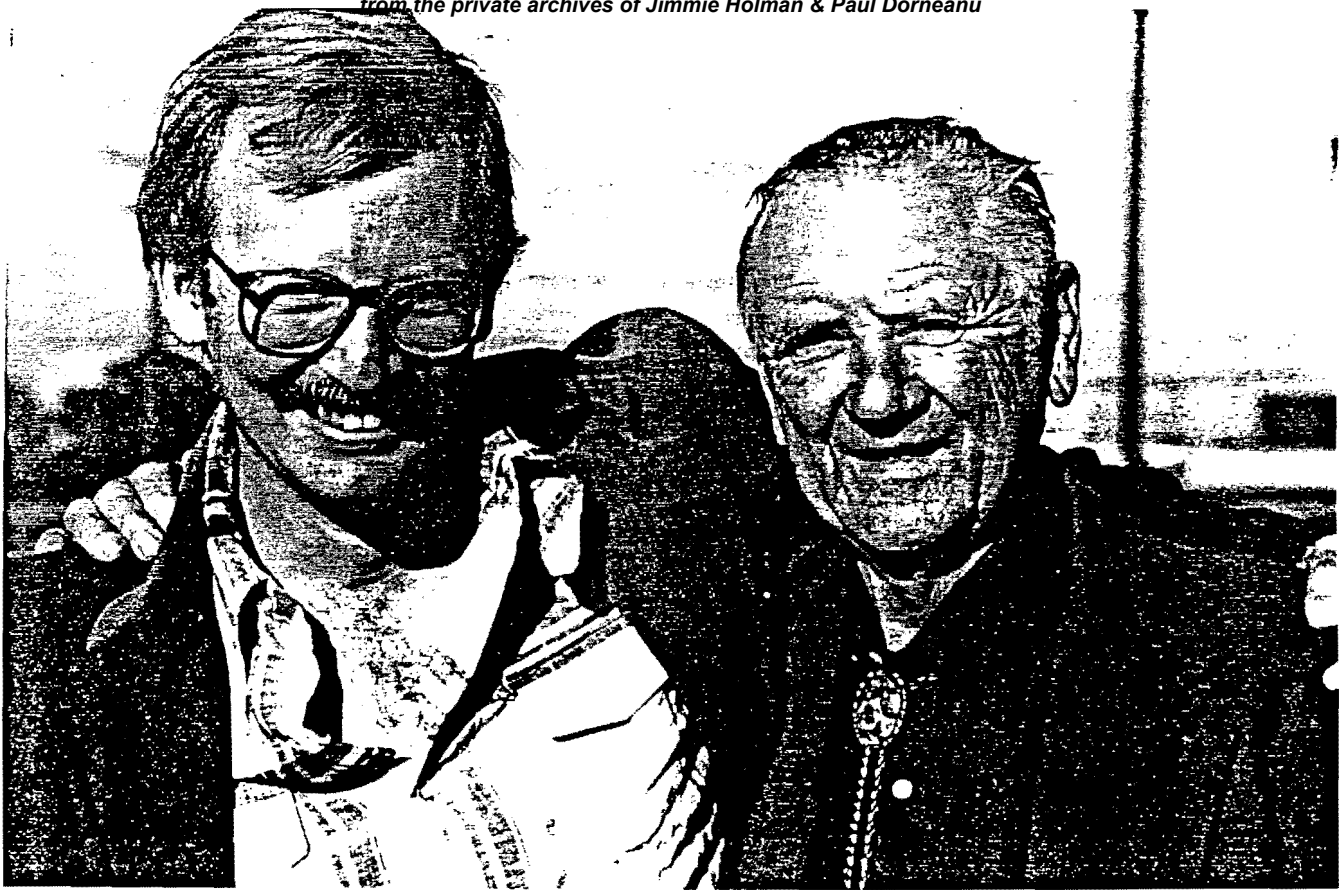


photo by Rick Sheppard

"My goal in this research is to prove Rife's theories true or false. I would feel sort of like a mass murderer if I blew off any potential cancer cure." Mark Simpson



drawing by Mark Simpson

"We are well on our way to having a transmitter ready, in order to use the frequency instrument (for research only) without the electrodes." Rick Sheppard (photo withheld at Rick's request)



"Abrams was the father of Psychotronics, but in addition he built a device called the Oscilloclast, which also was a radio frequency short wave transmitter. And again he did the same things that Lakhovsky and then later on, Rife did." Ed Skillings



photo from Universal Technology, LTD.

Dr. McWilliams, Instructor - Needling Techniques
Miami, Florida 1978

"Things are just dandy and I have no desire to return to the States, the second Babylon doomed to its own end." Dr. Charles McWilliams

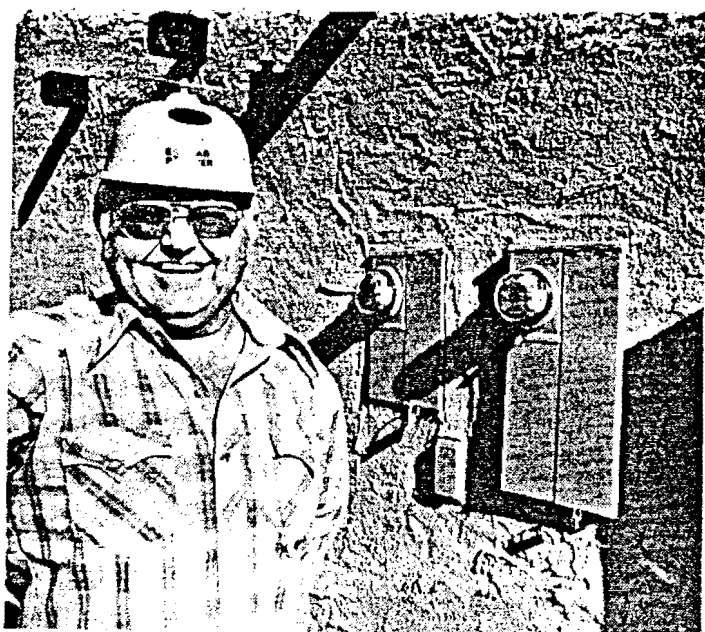


photo from S.E.C. Scene

"So after changing the machine to what Rife's notes recommended what we needed to come out of the machine and after digging back through Rife's personal laboratory notes. A lot of them were burnt when they destroyed his laboratory, but some of them were saved and we [Crane and Curtis] diligently looked through these notes and little clips of paper until we felt that we had enough information..." Bud Curtis

TOUGH MANUFACTURER QUESTIONNAIRE

Appendix 57 Tough Manufacturer Questionnaire

Before you buy a Rife-like frequency generator, photocopy the following questionnaire and send it to the manufacturer in hopes of soliciting a response.

Highest voltage output from electrodes, not under a load (not attached to an experimental human subject).

Highest voltage output from electrodes while attached to an experimental human subject.

Maximum number of milliamps that you have recorded through the body. Please explain how you recorded it and what parts of the body the electrodes were placed on. What was the size of the electrodes used in this test?

What wave form do incorporate? If square waves are used, is there any distortion or malformation of the square waves as viewed with an oscilloscope? Please sketch your wave form as it leaves your frequency generator.

Does your unit gate (turn on and off) the frequency output of your unit? If so, what is the speed of your unit's gating? Is this gating variable? If yes, from what speed to what speed?

Does your unit incorporate an option to bypass the gating action?

Does your unit incorporate the option to use more than one voltage? If so, how many voltages and what are they?

What is the frequency response of your output transformer(s)?

What is the brand and model number of your output transformer(s)?

Does your unit automatically time and limit frequency exposures? If yes, is this a variable option?

Does your unit have the capability to automatically change frequencies? If yes, how many frequencies are automatically switched and can this be varied by the operator?

Does your machine incorporate preset frequencies? If yes, what are they?

Does your frequency generator incorporate a built in milliamp meter or a built in ohm meter?

Does your machine incorporate a "brain tuner" or a "TENS" option?

Does your machine incorporate magnetics?

Does your machine incorporate color therapy?

Does your machine offer a radionic option? Does your machine incorporate the ability to register or administer "subtle" energy of any kind? Does your machine put out a "scalar wave" or scalar energy of any kind? Can you define what you mean by "scalar wave"? Does your machine involve itself with the "etheric body" in any way? Does your machine involve itself with "cosmic energy" in any way?

Do you offer a ray tube or an antenna model? If yes; how many watts does your unit put out? What is the exact frequency of your radio frequency carrier wave? Do you incorporate an ultra-violet bulb or an ultra-violet arc lamp of any kind? If yes, is your bulb store bought (off the shelf) or custom made? If off the shelf state make and model number. If off the shelf and modified, please state exactly how modified. If custom made, please state what kind of glass bulb is made of (quartz, etc.), what gas is inside the tube, what vacuum pressure is inside the tube and the distance between the electrodes in your ray tube.

Have you tested your frequency generators effectiveness in destroying any microorganisms? If yes, which microorganisms? Were your experiments done with a microscope, Petre dish cultures, or did you conclude this from before and after lab tests of experimental human or animal subjects? **Do you offer any documentation to back up your claims?** Please be as specific as possible.

Please list the uses of your experimental device (i.e.; microbial destroyer, voltage amplifier, egg timer, altered states inducer, etc.).

Can your unit be used in the diagnosis of illness? If yes how so?

Does your unit's output voltage consist of A.C. voltage, D.C. voltage, or both? is your unit galvanic in any way?

Do you consider your unit an outgrowth of Rife, Abrams, Lakhovsky, or any other scientist?

Does your unit incorporate the use of a BK 3011 or Global or any other premanufactured frequency generator and/or counter?

Do you offer a guarantee or a warranty of any kind? If yes, please explain.

Approximately how many of your units have you sold to the public?

The Rife Way III © 1991 Mark A. Simpson
Box 710088, Dallas, Tx. 75371

LISTING OF RIFE-LIKE RESONATORS CURRENTLY (1991) ON THE MARKET

Appendix 58 Unit Listing

The following list of Rife-like frequency generators and/or resonators is as complete as I can make it (November 1991). I included every Rife-like unit that I have heard of (except the Rife Ray, Beam Ray and some of the early Crane entries, which are no longer offered for sale). I will add to the list and update the list as time progresses. Please send updates, corrections and new information.

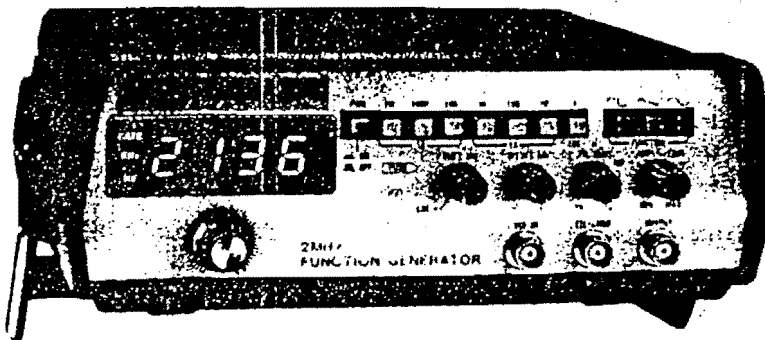
There are many machines which are similar to Rife-like resonators. These include Lakhovsky multiple wave oscillators, galvanic units and even ultra-sonic and diathermy machines. I call a "Rife-like" unit one created primarily for the purpose of resonating microbes to pieces. Many of the units herein were created solely for the purpose of making a buck and **none** of the manufacturers have supplied proof that their units actually blow up or otherwise kill microbes considered pathogenic to humans. Due to the fact that this technology has been around for years, I find it very strange that no such proof exists.

To date (November 1991) only Super Science and the makers of the S.W.A.T. II have been willing to answer the tough manufacturer questionnaire in Appendix 57. Super Science did not answer every question, but made an honest effort, eschewing questions considered proprietary. It is my goal to raise the consumer's awareness so that they won't get ripped off by unscrupulous operators. Any manufacturer that claims their's is the only unit that works is lying. Any consumer who goes for anything "etheric", "scalar", "radionic", "subtle" or "cosmic" deserves what he gets, which is very likely to be absolutely nothing. Rife-like units should concentrate on the physical destruction of microbes in the body.

Before sending out the questionnaire in Appendix 57, I suggest the appearance of a desperate bed ridden idiot at first, thus guaranteeing large quantities of fascinating New Age junk mail. Many manufacturers will hit *you* with their best shot, and show their cards. Many of the manufacturers won't even write *me* anymore.

Any modified BK 3011 should be tested against an unmodified BK 3011. Compare the outputs of modified and unmodified units against each other before laying your money on the line. This must be done in person. You will never see your money after it is gone! One should at least have the manufacturer **guarentee** the output of their B&K in writing. I have heard of *many* unmodified B&Ks being sold as modified. Insist on seeing a photo of the unit you plan to buy before you send a check.

A B & K 3011 A or B, or a 3022 looks like this:



Page 160
Rife Way III

The reader will notice that some pages are not numbered and blank on one side. This is because the listing is ^{from the private archives of Jimmie Holman & Paul Dorneanu} growing and I wanted to keep the units in alphabetical order.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Betatron 7"

Human name(s): Byron Peck

Address: All Source Systems, Box 596, 206 2nd St., Morton, Wa., 98356

Phone: 206-496-6262

Cost: \$289.95

Electrode model: yes

Electrodes included: one glass "electrode" is included

Ray tube or antenna model: yes, the "electrode" is also a small glass tube/bulb device

Incorporates ultraviolet: yes. I'm not sure how strong or what kind of ultraviolet

Preset frequencies: no

Ability to choose any frequency (+ range): Variable frequency, manually adjusted by vernier (a continuously variable frequency control). A.k.a. a non-clicking knob.

Delivers square waves: a dirty square wave.

Most popular or most recommended frequencies: unknown

Connects to a BK or Global (etc.) frequency generator: no

BK or Global (etc.) frequency generator used as a base for this unit: no

Incorporates magnetics: unknown

Incorporates color therapy: probably not

Incorporates MWO technology: no

Incorporates galvanic principles: possible

Available for immediate shipment: unknown

Comments: I have found that adjustable frequency "violet ray generators" (which always used a glass gas filled tube which generated high voltage audio and radio frequencies) were patented as early as 1922 [Electrotherapeutic Apparatus, J.H. Eastman, pat.#1435055, Nov.7,1922]. They precede Rife ray tubes. These units were popular in the 1920's and 1930's. Rife may have been inspired and influenced by these earlier "ray tube instruments". Many of these violet ray generators are still found at garage sales and antique shops. The old advertising from the 20's and 30's makes many astounding unsubstantiated health claims.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Bio-Beam"

Human name(s): Charles Schneider
Address: Nikken c/o Charles Schneider, 26 Carlow St., Huntington, NY, 11743-6303
Phone: 516-271-2739
Cost: unknown

Electrode model: unknown
Electrodes included: unknown
Ray tube or antenna model: probable
Incorporates ultraviolet: unknown

Preset frequencies: unknown
Ability to choose any frequency (+ range): unknown
Delivers square waves: probable
Most popular or most recommended frequencies: unknown
Connects to a BK or Global (etc.) frequency generator: probably not

BK or Global (etc.) frequency generator used as a base for this unit: PROBABLY NOT
 a. without modification
 b. with slight modification
 c. with major modifications

Incorporates magnetics: yes
Incorporates color therapy: probably not
Incorporates MWO technology: unknown
Incorporates galvanic principles: unknown
Available for immediate shipment: no

Comments: See Appendix 26. Nikken is a large Japanese company. Apparently alternative health is somewhat OK in Japan. The Bio Beam is not available in the U.S.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Bio Form"

Human name(s): Eugene Woody

Address: Relief Distributors, 1241 E. Barbara Dr., Tempe, Arizona, 85281

Phone: 602-994-0039

Cost: unknown

Electrode model: yes

Electrodes included: yes

Ray tube or antenna model: no

Incorporates ultraviolet: no

Preset frequencies: no

Ability to choose any frequency (+ range): yes, to 2MHz

Delivers square waves: yes

Most popular or most recommended frequencies: unknown

Connects to a BK or Global (etc.) frequency generator: yes

BK or Global (etc.) frequency generator used as a base for this unit: YES

a. without modification

b. with slight modification: yes

c. with major modifications

Incorporates magnetics: no

Incorporates color therapy: no

Incorporates MWO technology: no

Incorporates galvanic principles: no

Available for immediate shipment: probably not

Comments: As near as I can tell this unit is a modified BK 3011. Its power has probably been boosted. "Woody" came to Dallas and spent the night at my rag tag apartment. Presently (as of 1-16-91) Mr. Woody is more into dietary supplements. Information on his Bio Form is hard to come by.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Biotron II" and "Microtron"

Human name(s): Dr. Charles McWilliams

Address: Newcastle Bay - V, Nevis, West Indies

Phone: 809-469-9490

Cost: Biotron - \$1,800 to \$2,000 (conflicting reports); Microtron - \$650 to \$1,200 (conflicting reports).

Electrode model: Yes

Electrodes included: Yes

Ray tube or antenna model: No

Incorporates ultraviolet: No

Preset frequencies: Yes, Biotron has 12; Microtron has 5.

Ability to choose any frequency (+ range): Biotron: Yes (120 - 2500 Hz.).

Microtron: No

Delivers square waves: Probable

Most popular or most recommended frequencies: 727 Hz., 787 Hz., 880 Hz.

Connects to a BK or Global (etc.) frequency generator: Unknown

BK or Global (etc.) frequency generator used as a base for this unit: NO

a. without modification: no

b. with slight modification: no

c. with major modifications: no

Incorporates magnetics: No

Incorporates color therapy: No

Incorporates MWO technology: No

Incorporates galvanic principles: Yes

Available for immediate shipment: Probably

Comments: The Biotron is one of the more exotic entries. It has a timer and a meter, "D.C. microamperes", which is used in detecting acupuncture points. The Biotron comes with 12 vials (homeopathic?) and runs on batteries. The Microtron has "5 often used frequencies" plus one free channel. I have never seen either of these units. Dr. McWilliams now offers his 12 channel "Vitalizer" for around \$1200. Dr. McWilliams teaches the existence of "mutant viruses". Dr. McWilliams left the U.S. in favor of the freer research environment on Nevis island, West Indies.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "CFR - 1000" & "Crane Ray Tube"

Human name(s): John F. Crane (also note new listing below at the bottom of the page)

Address: Crane Foundation, 4246 Pepper Dr., San Diego, Ca. 92105

Phone: 619-575-3236, 619-281-0278

Cost: "CFR - 1000": \$1,500. "Crane Ray Tube": \$50,000 to \$200,000+.

Electrode model: Yes (CFR)

Electrodes included: Probably (CFR)

Ray tube or antenna model: No (CFR)

Incorporates ultraviolet: No (CFR)

Preset frequencies: Yes (CFR) The frequencies in this unit are: 20, 100, 465, 660, 727, 787, 800, 880, 1500, 1550, 2008, 2127, 2489, 5000, and 9999 (all in Hz.).

Ability to choose any frequency (+ range): No (CFR), Crane ray tube probably has an unlimited range.

Delivers square waves: Probable

Most popular or most recommended frequencies: 727 Hz., 787 Hz., 880 Hz.

Connects to a BK or Global (etc.) frequency generator: No

BK or Global (etc.) frequency generator used as a base for this unit: No

Incorporates magnetics: No

Incorporates color therapy: No

Incorporates MWO technology: No

Incorporates galvanic principles: No

Available for immediate shipment: Probable, within a few weeks (only the CFR)

Comments: The "CFR - 1000" "runs through each frequency for about two seconds....". Two seconds does not sound like enough time to resonate a microbe (unless the frequencies are gated and high enough in voltage). The CFR can also stick to one frequency at a time. The advertising does not mention how many preset frequencies or which frequencies employed. I found out the frequencies in a letter from Dr. Hansen. The advertising claims that the frequencies are patent pending. Crane has been trying to patent the "Rife" frequencies since 1976. Let's hope he never succeeds and that the "Rife" frequencies remain in the public domain forever. The CFR-1000 gates at 4 times a second and puts out about ten volts. Crane usually claims to have a working ray tube in stock. For awhile one of these ray tubes was at Crane's Rosarita Beach, Mexican clinic. Crane's ray tubes may not be available and no ray tube brochures are available. I don't think Crane's current ray tube works. We ask for unbiased independent testing for every unit on this list.

In November 1991 L. De Lynn Hansen D.C. (a.k.a. Bio Med Tronics), P.O. Box 1148, Orem, Utah 84057, wrote to tell me that he is selling the CFR 1000 for \$1695. Dr. Hansen also sells a modified B&K 3011 for \$995.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Crysalis 100K"

Human name(s): Bud Curtis, Lynn Austin

Address: S.V.L. Box 7015, Victorville, Ca. 92392, or Crysalis, 9004 Rhoton Rd., Yelm, Wa., 98597

Phone: 206-458-2872

Cost: \$1,295

Electrode model: yes

Electrodes included: yes

Ray tube or antenna model: no

Incorporates ultraviolet: no

Preset frequencies: no

Ability to choose any frequency (+ range): yes, to 100KHz

Delivers square waves: yes

Most popular or most recommended frequencies: unknown

Connects to a BK or Global (etc.) frequency generator: yes

BK or Global (etc.) frequency generator used as a base for this unit: YES

Incorporates magnetics: no

Incorporates color therapy: no

Incorporates MWO technology: no

Incorporates galvanic principles: no

Available for immediate shipment: unknown

Comments: This unit is a "modified" Global 2001 with counter also included. I have no idea if it has really been modified. Bud Curtis says there is a proprietary "window" which must be paid attention to in order for the frequencies to enter the body at maximum effectiveness. The output of this unit can barely be felt.

In November 1991 I learned about a company known as "**Harmonics**", 301 South Mulberry, Kermit, Tx. 79745 which sells the "Harmonic Wave" for \$1,495. It is my understanding that this unit is the same as the Crysalis 100K.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Hz.-Gen 5", "Hz-Gen 2" & "Mini-Gen"

Human name(s): Dorothy M. Esch

Address: Natures Touch, Box 835154, Douglasville, Ga. 30135

Phone: 404-949-4322

Cost: "5"=\$2495 & \$2995, "2"=\$995 & \$1295, "Mini"=\$495

Electrode model: yes

Electrodes included: yes

Ray tube or antenna model: no

Incorporates ultraviolet: no

Preset frequencies: probable

Ability to choose any frequency (+ range): yes on the expensive "5" & "2"; to 99999 Hz.

Delivers square waves: probable

Most popular or most recommended frequencies: unknown

Connects to a BK or Global (etc.) frequency generator: probably not

BK or Global (etc.) frequency generator used as a base for this unit: unknown

- a. without modification: ?
- b. with slight modification: ?
- c. with major modifications: ?

Incorporates magnetics: probably not

Incorporates color therapy: no

Incorporates MWO technology: no

Incorporates galvanic principles: unknown

Available for immediate shipment: unknown

Comments: Incredibly unclear advertising. The "Mini" sounds more like a "brain tuner".

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Multi-Frequency 'TENS' Unit"

Human name(s): M. Shelton

Address: Multi-Frequency,

Rt. 4 Box 869, Springfield, Mo. 65802

Phone: none

Cost: \$875.00

Electrode model: Yes

Electrodes included: Yes, four electrodes included.

Ray tube or antenna model: No

Incorporates ultraviolet: No

Preset frequencies: No

Ability to choose any frequency (+ range): Yes (to 2 MHz.)

Delivers square waves: Yes

Most popular or most recommended frequencies: 727 Hz., 880 Hz., 787 Hz.

Connects to a BK or Global (etc.) frequency generator: Yes

BK or Global (etc.) frequency generator used as a base for this unit: YES

a. without modification: no

b. with slight modification: yes

c. with major modifications: no

Incorporates magnetics: No

Incorporates color therapy: No

Incorporates MWO technology: No

Incorporates galvanic principles: No

Available for immediate shipment: Yes

Comments: Although this unit is probably not what the American Physical Therapy Association would classify as a transcutaneous electrical nerve stimulator, all electrode units do just that. This unit is a modified BK 3011 that also has a power increase. I don't know if this unit gates. Mr. Shelton has helped me immensely in collecting articles and advertising on resonators and Dr. Rife.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Off the Shelf Frequency Generators" (BK 3011, Global 2001, Elenco/Llenco, Electrospectrum)

Human name(s): unknown

Address: for the BK 3011, Fordham Radio Supply, 260 Motor Parkway, Hauppauge, NY 11788, 800-645-9518, 800-344-6325. for the Global 2001, Global Specialties, Box 1405, New Haven, CT 06505, 1-800-345-6251. Other unit's addresses unknown.

Cost: BK 3011 - \$222.50, Global 2001 - \$159.00

Electrode model: yes

Electrodes included: no

Ray tube or antenna model: no

Incorporates ultraviolet: no

Preset frequencies: no

Ability to choose any frequency (+ range): yes (BK to 2MHz, Global to 100KHz)

Delivers square waves: yes

Most popular or most recommended frequencies: none recommended

Connects to a BK or Global (etc.) frequency generator: YES

BK or Global (etc.) frequency generator used as a base for this unit: YES

Incorporates magnetics: no

Incorporates color therapy: no

Incorporates MWO technology: no

Incorporates galvanic principles: some off the shelf frequency generators deliver D.C. and A.C. voltage

Available for immediate shipment: yes (usually, from the original manufacturer).

Comments: Some claim success with standard off the shelf frequency generators alone. One needs to know how to connect their home made or factory bought electrodes. one must know how to select the correct frequencies and how to punch the "square wave" button. Crane may still sell the BK 3011 with electrodes for \$750.00. Other units (like the S.W.A.T. II) connect to these units. These machines are standard electronic test gear. All but the BK 3011 are mentioned in Dieter Reisdorf's various surveys of Rife generators.

The following people offer off the shelf or modified B&K Function Generators:

M. Shelton (page 168), L. De Lynn Hansen D.C. [a.k.a. Bio Med Tronics](page 165), John Crane (page 165), I.A.E. (page 175), and R.L. Curtis of R&R Systems (page 175), Garry Smith (near page 167) Bud Curtis, Lynn Austin and another outfit, "Harmonics" offer a "modified" *Global 2001* frequency generator (page 166).

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Pro Health Stimulators"

Human name(s): Adrienne Degon

Address: Project Health, 314 Wisconsson, Suite C, Box 444, Oceanside, Ca., 92054

Phone: 1-800-722-7108

Cost: unknown

Electrode model: unknown

Electrodes included: unknown

Ray tube or antenna model: probably not

Incorporates ultraviolet: probably not

Preset frequencies: unknown

Ability to choose any frequency (+ range): unknown

Delivers square waves: probably

Most popular or most recommended frequencies: unknown

Connects to a BK or Global (etc.) frequency generator: unknown

BK or Global (etc.) frequency generator used as a base for this unit: UNKNOWN

a. without modification

b. with slight modification

c. with major modifications

Incorporates magnetics: unknown

Incorporates color therapy: unknown

Incorporates MWO technology: unknown

Incorporates galvanic principles: unknown

Available for immediate shipment: unknown

Comments: I have no idea if these folks really sell a Rife-like unit. They have not responded to two letters I sent

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "QLF-1"

Human name(s): Jane Foster and Barbara Brewer
Address: JWB-6 Marketing Co., 41867 E. Florida Ave. Suite 63, Hemet, Ca., 92344

Phone: 714-927-5170
Cost: \$1,200

Electrode model: yes
Electrodes included: yes
Ray tube or antenna model: no
Incorporates ultraviolet: no

Preset frequencies: yes, there are five frequencies
Ability to choose any frequency (+ range): no
Delivers square waves: yes
Most popular or most recommended frequencies:
Connects to a BK or Global (etc.) frequency generator: no

BK or Global (etc.) frequency generator used as a base for this unit: NO
a. without modification
b. with slight modification
c. with major modifications

Incorporates magnetics: no
Incorporates color therapy: no
Incorporates MWO technology: no
Incorporates galvanic principles: no
Available for immediate shipment: probable

Comments: This unit has the ability to automatically switch frequencies. It also gates the frequencies. I have seen the guts of this unit. It is well constructed.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "REM Super Pro Generator"

Human name(s): unknown

Address: Life Energy Resources, LTD., 1890 East Main St. Extension, Falconer, NY, 14733

Said to have just been acquired by New Millenium, Inc. (address unknown)

Phone: 716-665-3890, fax: 800-842-0414

Cost: \$1840

Electrode model: yes

Electrodes included: unknown

Ray tube or antenna model: no

Incorporates ultraviolet: no

Preset frequencies: probable

Ability to choose any frequency (+ range): probably not

Delivers square waves: probably

Most popular or most recommended frequencies: unknown

Connects to a BK or Global (etc.) frequency generator: probably not

BK or Global (etc.) frequency generator used as a base for this unit: PROBABLY NOT

- a. without modification
- b. with slight modification
- c. with major modifications

Incorporates magnetics: no

Incorporates color therapy: no

Incorporates MWO technology: no

Incorporates galvanic principles: unknown

Available for immediate shipment: probably not

Comments: I have never seen this unit and do not know if they are still in business.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Resonator"

Human name(s): unknown

Address: Lor'd Industries, 629 Hwy G (Box 156), Hancock, Wi., 54943

Phone:

Cost: \$600

Electrode model: yes

Electrodes included: unknown

Ray tube or antenna model: no

Incorporates ultraviolet: no

Preset frequencies: yes

Ability to choose any frequency (+ range): probably not

Delivers square waves: probable

Most popular or most recommended frequencies: unknown

Connects to a BK or Global (etc.) frequency generator: probably not

BK or Global (etc.) frequency generator used as a base for this unit: UNKNOWN

- a. without modification ?
- b. with slight modification ?
- c. with major modifications ?

Incorporates magnetics: no

Incorporates color therapy: no

Incorporates MWO technology: no

Incorporates galvanic principles: unknown

Available for immediate shipment: probably

Comments: Their 1990 catalog does not show a picture of this unit. Their advertising information lacks details and just barely tells anything at all about this unit.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Rife Frequency Resonator"

Human name(s): Klark Kent, Susan Kent, Dave Tumey
Address: Super Science, P.O. Box 392, Dayton, Ohio 45409
Phone: 513-298-7116
Cost: \$1859
Electrode model: yes
Electrodes included: yes

Ray tube or antenna model: As of 6-12-91, Super Science no longer offers their round beam tube for sale. Mr. Kent's 1991 (4th printing) catalog says that their "Plasma Discharge Beam Tube" is now available as an "option", but fails to give a price to this "helix coil glass antenna". See Appendix 67. The output "radio frequency" wattage of this "glass antenna" is also unknown. Although the Dallas Rife Research Group is not selling ray tubes (only testing their's) and John Crane's 1989 ray tube probably doesn't work and the status of the Bob Dratch ray tube and the Ron Williams ray tube is unknown, the following quote from The Journal of Borderland Research (Nov.-Dec. 1991) is included; "Of the various modern units we have seen, including one donated to BSRF by Klark Kent of Super Science, Klark's is the only one taking the beam tube approach. The gas bulb supplied with our unit is driven at about 150KC and modulated with the same single frequency generating device as is used in the Crane-inspired electrode treatment. Rife's bulb's were driven at much higher frequencies, and modulated with complexes of tones, as can clearly be seen in various videos we have released on Rife over the last few years. Klark is experimenting with new bulb arrangements and different gas mixtures and we wish him the best in moving closer to the original equipment."

Incorporates ultraviolet: No

Preset frequencies: Yes; 666, 690, 728, 787, 800, 880, 2127, 2489, 2720, 5,000, 10,000.

Ability to choose any frequency (+ range): No. One must send in the unit for "custom application of special frequencies" unless one is technical enough to change the on board software themselves.

Delivers square waves: Yes

Most popular or most recommended frequencies: none recommended, see Addendum for Super Science list

Connects to a BK or Global (etc.) frequency generator: Yes, this is an option, but not the norm.

BK or Global (etc.) frequency generator used as a base for this unit: NO

Incorporates magnetics: No.

Incorporates color therapy: No.

Incorporates MWO technology: No.

Incorporates galvanic principles: Possible. Said to deliver "bi-phasic D.C. voltage".

Available for immediate shipment: Yes, usually 7 - 10 days before shipped.

Comments: This unit gates no faster than around one second on, one second off. Like almost all Rife-like units, this one is powered by 60 cycle, 110 volt current. This unit can automatically time and switch frequency exposures. At an earlier time Super Science offered a seperate unit known as the "Rife Big Brother Frequency Generator". The new catalog now lists this as an option and fails to give the price of this upgrade. At one time it was \$3495 (\$2795 without the sharp 4501 laptop computer) for the whole Big Brother setup. The Big Brother option uses a computer to create files and generates most any frequency.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Rife Research Generator"

Human name(s): R.L. Curtis

Address: R & R, 233-B Commercial Blvd. #233, Lauderdale By the Sea, Fl., 33308

Phone:

Cost: \$2,025

Electrode model: yes

Electrodes included: yes

Ray tube or antenna model: no

Incorporates ultraviolet: no

Preset frequencies: probably not

Ability to choose any frequency (+ range): probably

Delivers square waves: probably

Most popular or most recommended frequencies: unknown

Connects to a BK or Global (etc.) frequency generator: yes

BK or Global (etc.) frequency generator used as a base for this unit: YES

- a. without modification ?
- b. with slight modification ?
- c. with major modifications ?

Incorporates magnetics: no

Incorporates color therapy: no

Incorporates MWO technology: no

Incorporates galvanic principles: no

Available for immediate shipment: unknown

Comments: This unit may be nothing more than a BK 3011 or a modified BK 3011 function generator.

In November 1991, I received information from I.A.E., 14870 Granada Ave. S-299, Apple Valley, MN 55124, 612-895-9421. They also sell the "R&R-RES-#2" for \$1995. The unit comes with cleansing herbs and an electrolyte solution "necessary when using the machine". Every electrolyte I've ever heard of is taken orally.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Ron Williams"

Human name(s): Ron Williams
Address: unknown
Phone: unknown
Cost: unknown

Electrode model: unknown
Electrodes included: unknown
Ray tube or antenna model: unknown
Incorporates ultraviolet: unknown

Preset frequencies: unknown
Ability to choose any frequency (+ range): unknown
Delivers square waves: probable
Most popular or most recommended frequencies: unknown
Connects to a BK or Global (etc.) frequency generator: unknown

BK or Global (etc.) frequency generator used as a base for this unit: UNKNOWN
 a. without modification
 b. with slight modification
 c. with major modifications

Incorporates magnetics: unknown
Incorporates color therapy: unknown
Incorporates MWO technology: unknown
Incorporates galvanic principles: unknown
Available for immediate shipment: probably not

Comments: I HAVE HEARD FOR YEARS THAT MR. RON WILLIAMS IN ARAZONA HAS A WORKING RAY TUBE. HE MAY ALSO HAVE BUG BLOW VIDEOS. HE MAY ALSO SELL RIFE-LIKE UNITS. PLEASE SEND ME ANY INFORMATION (ESPECIALLY HIS ADDRESS) ON RON WILLIAMS THE SCIENTIST.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Royal Ray Tube Plus" & "Ray Tube Plus"

Human name(s): Linda Nannapel & Keith Frick

Address: Celebration of Life, 2000 S. Escondido Blvd. Suite 65, Escondido, Ca., 92025

Phone: 619-745-3525, 808-874-3490

Cost: \$3197 for the "Royal Ray Tube", \$1397 for the other unit

Electrode model: yes

Electrodes included: yes

Ray tube or antenna model: yes

Incorporates ultraviolet: no

Preset frequencies: yes

Ability to choose any frequency (+ range): no

Delivers square waves: probable

Most popular or most recommended frequencies: 728, 690, 666

Connects to a BK or Global (etc.) frequency generator: no

BK or Global (etc.) frequency generator used as a base for this unit: NO

a. without modification

b. with slight modification

c. with major modifications

Incorporates magnetics: probable

Incorporates color therapy: yes

Incorporates MWO technology: probably not

Incorporates galvanic principles: unknown

Available for immediate shipment: NO, THIS UNIT MAY NEVER GET SHIPPED. EXTEREM CAUTION ADVISED.

Comments: I have a friend who has still not received his unit from this outfit and its been over four months. Incorporates a "hand held detachable ray tube". Unclear advertising. No photographs. See Appendix 68. Ed Skilling is said to have designed these units.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Scalar Tronix SXT-2"

Human name(s):

Address:

Phone: unknown

Cost: \$1,200

Electrode model: yes

Electrodes included: probable

Ray tube or antenna model: no

Incorporates ultraviolet: no

Fred Ashton - manager - Scalar Tronix
5663 Balboa Ave. - Suite 336
San Diego, Ca. 92111

Preset frequencies: no

Ability to choose any frequency (+ range): yes, ".5 Hz to 220 billion cycles"

Delivers square waves: probably

Most popular or most recommended frequencies: unknown

Connects to a BK or Global (etc.) frequency generator: yes

BK or Global (etc.) frequency generator used as a base for this unit: YES

- a. without modification
- b. with slight modification: yes
- c. with major modifications

Incorporates magnetics: no

Incorporates color therapy: no

Incorporates MWO technology: no

Incorporates galvanic principles: unknown

Available for immediate shipment: unknown

Comments: This unit probably only goes to 2MHz. Their photo shows a small box with four buttons which attaches to a BK 3011, which has undergone a label change. Any unit that allows use of all frequencies has more potential.

On March 20, 1992 Fred Ashton sent me a letter stating that the "SXT-2" has been replaced by the "SXT-3". Mr. Ashton states in his letter, "Our SXT-3 is not a BK. It does use the same case and general configuration for producing frequencies..." Later in the letter Mr. Ashton states, "Other technical information is proprietary." Scalar Tronix refuses to answer even the simplest questions like, "does it plug in the wall?" or "does it put out square waves?" I'm not picking on just Scalar Tronix (who claim their units can put out "scalar waves", but apparently can not or will not define "scalar wave"). Most every "manufacturer" of Rife-like units in this listing refuses to come clean with even the most basic and simple electronic information.

In November 1991 I received information from a company run by Roger Whitman known as "SRCE", P.O. Box 1772, Santa Rosa, Ca. 95402, 707-523-2489. They sell the ScalarTronix Rife Resonator for \$1200.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Super Pro Resonator #532"

Human name(s): Ed Skillings

Address: E.F. Skillings Inc., Box 61, Buhl, Idaho, 83316

Phone:

Cost: \$900

Electrode model: yes

Electrodes included: probable

Ray tube or antenna model: no

Incorporates ultraviolet: no

Preset frequencies: yes, said to be only three frequencies

Ability to choose any frequency (+ range): no

Delivers square waves: probably

Most popular or most recommended frequencies: 728, 666, 690

Connects to a BK or Global (etc.) frequency generator: no

BK or Global (etc.) frequency generator used as a base for this unit: NO

- a. without modification
- b. with slight modification
- c. with major modifications

Incorporates magnetics: no

Incorporates color therapy: no

Incorporates MWO technology: no

Incorporates galvanic principles: no

Available for immediate shipment: no

Comments: This old "granddaddy" of resonators used to incorporate five frequencies. It now incorporates only three frequencies (as near as I can tell). Mr. Skillings lab was shut down. The Post Office stamped, "Moved, left no address" on a letter I tried to send him.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "S. W. A. T. II" (stands for "square wave audio thruster")

Human name(s): Mark Simpson
Address: Box 710088 Dallas, Tx. 75371
Phone: no phone
Cost: \$1,100 (comes *without* a B&K 3011 *necessary* for operation)
Electrode model: Yes.
Electrodes included: No.
Ray tube or antenna model: No.
Incorporates ultraviolet: No.

Preset frequencies: No.
Ability to choose any frequency (+ range): Yes (to 2 MHz.).
Delivers square waves: Yes
Most popular or most recommended frequencies: 727, 787, 880, 600, 625, 666, 450, 20, 2127, 1500, 1550

Connects to a BK or Global (etc.) frequency generator: Yes. This unit attaches to any frequency generator which is necessary (and extra in cost) for it to work.

BK or Global (etc.) frequency generator used as a base for this unit: YES
a. without modification: Yes
b. with slight modification: No
c. with major modifications: No

Incorporates magnetics: No.
Incorporates color therapy: No.
Incorporates MWO technology: No
Incorporates galvanic principles: No
Available for immediate shipment: No. Only about 15 of these units left and all are about 2 - 14 days from completion. Mark Simpson does not build these units.

Comments: This is the unit that Rick Sheppard developed for John Crane. This unit is a box which sits on top of a B&K 3011. We think that Crane has dropped this unit as it is not included in his latest brochure. This unit gates the frequencies at 4 times a second and can boost the output voltage of the B & K to 48 volts AC. It has a timer for convenience. In addition to perhaps killing microbes harmful to humans, this unit may work wonders on muscle and back pain (no medical claims made or implied). This is the unit that the author instantly blew pond water microbes with. The author is prejudiced toward this unit because it is the only unit he has had hands on experience with.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

P.G.L. (pulsed germicidal lamp)

UNIT NAME: "Ultraviolet bulb modulated by Rife/Crane frequencies"

Human name(s): Bob Dratch
Address: Rt. 6 Box 497 Canyon
Phone: Golden, Co. 80403
Cost: unknown

Electrode model: no
Electrodes included: no
Ray tube or antenna model: no
Incorporates ultraviolet: yes, uses a germicidal ultraviolet bulb

Preset frequencies: yes (six of them, same as used in the QLF-1)
Ability to choose any frequency (+ range): no
Delivers square waves: yes
Most popular or most recommended frequencies: 728, 666, 690, 2127, 880
Connects to a BK or Global (etc.) frequency generator: no

BK or Global (etc.) frequency generator used as a base for this unit: NO

Incorporates magnetics: no
Incorporates color therapy: no
Incorporates MWO technology: no
Incorporates galvanic principles: no
Available for immediate shipment: no

Comments: I have seen this blinking unit in action. Not knowing what a big secret dumb deal it was, I failed to get the correct unit name and Mr. Dratch's address. I now have Mr. Dratch's address but have heard that he no longer is interested in selling his bulbs. I await conformation before I publish his address and phone number. Please send any information on this unit. The Dratch unit modulates the Rife frequencies through standard ultraviolet germicidal bulbs. See endnote 22.

Mr. Dratch claims his P.G.L. is not Rife related. This is the unit that is said to have been successful in destroying bacteria on Petre dish cultures, through the air. This unit uses square waves and Crane frequencies.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "Unknown Units" ("R.I.F.E.", "Hansen", "The White Rife Generator")

Human name(s): unknown
Address: unknown
Phone: unknown
Cost: unknown

Electrode model: probable
Electrodes included: probably
Ray tube or antenna model: probably not
Incorporates ultraviolet: probably not

Preset frequencies: on some this is probable
Ability to choose any frequency (+ range): unknown
Delivers square waves: probable
Most popular or most recommended frequencies: unknown
Connects to a BK or Global (etc.) frequency generator: unknown

BK or Global (etc.) frequency generator used as a base for this unit: UNKNOWN
 a. without modification
 b. with slight modification
 c. with major modifications

Incorporates magnetics: unknown
Incorporates color therapy: probably not
Incorporates MWO technology: probably not
Incorporates galvanic principles: unknown
Available for immediate shipment: probably not

Comments: These units are mentioned in Dieter Reisdorf's various listings of Rife generators (see bibliography). On the "Hansen": the cost is mentioned as \$1,200 to \$1,500. On the "R.I.F.E.": "This unit has accurate, chip stabilized frequencies, a digital display, self-calibration and a list of 40 frequencies for \$2,000." No information on "The White Rife Generator" which has always sounded like "white lightning" to me. This is all of the information I have on these units. Please send updates.

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME:

Human name(s):

Address:

Phone:

Cost:

Electrode model:

Electrodes included:

Ray tube or antenna model:

Incorporates ultraviolet:

Preset frequencies:

Ability to choose any frequency (+ range):

Delivers square waves:

Most popular or most recommended frequencies:

Connects to a BK or Global (etc.) frequency generator:

BK or Global (etc.) frequency generator used as a base for this unit:

- a. without modification
- b. with slight modification
- c. with major modifications

Incorporates magnetics:

Incorporates color therapy:

Incorporates MWO technology:

Incorporates galvanic principles:

Available for immediate shipment:

Comments:

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME:

Human name(s):

Address:

Phone:

Cost:

Electrode model:

Electrodes included:

Ray tube or antenna model:

Incorporates ultraviolet:

Preset frequencies:

Ability to choose any frequency (+ range):

Delivers square waves:

Most popular or most recommended frequencies:

Connects to a BK or Global (etc.) frequency generator:

BK or Global (etc.) frequency generator used as a base for this unit:

- a. without modification
- b. with slight modification
- c. with major modifications

Incorporates magnetics:

Incorporates color therapy:

Incorporates MWO technology:

Incorporates galvanic principles:

Available for immediate shipment:

Comments:

Rife-like Frequency Generators and/or Resonators

Some information herein may be incorrect. Some advertisers did not respond to queries. Most advertising lacked technical data. Some manufactures may be out of business.

UNIT NAME: "The Garry Smith Special" (unit is unnamed)

Human name(s): Garry Smith

Address: 1046 Grove Circle - Pleasant Grove, Utah, 84062

Phone:

Cost: \$7,500

Electrode model: yes

Electrodes included: yes

Ray tube or antenna model: no

Incorporates ultraviolet: no (unless you call purple or violet color filters ultraviolet)

Preset frequencies: no

Ability to choose any frequency (+ range): yes (to 2 MHz)

Delivers square waves: yes

Most popular or most recommended frequencies: 20, 727, 787, 800, 880

Connects to a BK or Global frequency generator: yes, this unit is a modified BK 3011

BK or Global (etc.) frequency generator used as a base for this unit: YES

- a. without modification
- b. with slight modification: yes
- c. with major modifications

Incorporates magnetics: no (although magnets come with the complete setup)

Incorporates color therapy: yes (although not a part of the resonator)

Incorporates MWO technology: no

Incorporates galvanic principles: no

Available for immediate shipment: unknown

Comments: This B & K 3011 has had a power increase incorporated into its circuitry. The price of \$7,500 includes two large magnets, electrodes, a spotlight with 12 color filters and a 134 page (printed on one side, double spaced) manual discussing diet, color therapy, magnetic therapy and frequency therapy. The manual also has a good listing of alternative therapies and recommends various self help programs (including attitude). Ask for the manual alone. The \$7,500 price tag is the most extreme example of *highway robbery* yet encountered by the author.

ADDENDUM

As I want to give my readership everything and as this research is ongoing and as "III" is finished, I'm including this bonus Potpourri-like section of unnumbered pages. The Rife and Johnson letters should have been included in the Gallery of Letters. The rest of the information came from my piles of files and is included as an afterthought or is a recent acquisition. Consider this section a scrapbook which is growing. Renumbering the last half of this book and/or changing the Table of Contents every two weeks would be the author's M.O.R.! Best of luck in your research. Keep me posted. Blasting microbes through the air in living people is our goal. We need your help. You are a part of the team.

Dr. Rife's Apparatus, Magnifying 17,000 Times, Shows Germs Never Before Seen.

FROM THE NEW YORK TIMES, NOVEMBER 22, 1931, page 19, col. 1

Special to The New York Times.

LOS ANGELES, Nov. 21.--A description of the world's most powerful microscope, recently perfected after fourteen years' effort by Dr. Royal Raymond Rife of San Diego, was one of the features of a dinner given last night to members of the medical profession by Dr. Milbank Johnson in honor of Dr. Rife and Dr. Arthur I. Kendall, head of the department of research bacteriology of the McCormick School of Northwestern University.

The strongest microscopes in use magnify 2,000 to 2,500 times. Dr. Rife, by a rearrangement of lenses and by introducing double quartz prisms and illuminating lights, has devised apparatus with a maximum magnification of 17,000 diameters.

Dr. Kendall told of cultivating the typhoid bacillus on his new "medium K." This bacillus is ordinarily non-filterable. By the use of Dr. Rife's microscope, Dr. Kendall said, the typhoid bacilli can be seen in the filterable or formerly invisible stage.

A Picture Of Rife's Methods

copyright 1991 Mark A. Simpson

We are beginning to visualize and speculate on the evolving picture of Rife's theories and methods. Rick Sheppard related his opinion of why a ray tube is a **must** and why an antenna set-up will not (in all likelihood) work. Rick says that antennas are a needle in a haystack - shooting minnows with a B-B gun proposition. **That ray tubes are like using a shotgun!** The following theories are unproven and untested. We ask for fair trials on both ray tube and antenna experiments.

RICK SHEPPARD SAYS ("unproven, probably, who knows for sure, we need money for testing and proof, an educated guess"):

1. The wide spectrum of harmonics on many frequencies at the same time is why Rife's ray tubes worked. Ray tubes broadcast on many radio frequencies at the same time.
2. The basic theory of Rife's idea was harmonics of the microorganism's **mortal oscillatory rate** throughout the **entire spectrum** (audio-radio-light) which set up a force field which **reinforced itself**.
3. Antennas broadcast on only a narrow radio frequency range, with many fewer harmonics than a ray tube.
4. Radio frequency plays an important critical part in the resonating of microbes. Without the correct radio frequency the carrier wave will "pass over the head of the microbe". With the correct radio frequency resonance is induced! With the correct radio frequency at a sub-harmonic of the microorganism's M.O.R. resonance is induced.
5. Even the light frequencies (or ultraviolet light frequencies) of Rife's ray tubes entered into the overall equation of harmonic resonance with the basic M.O.R. **cancer** frequencies.

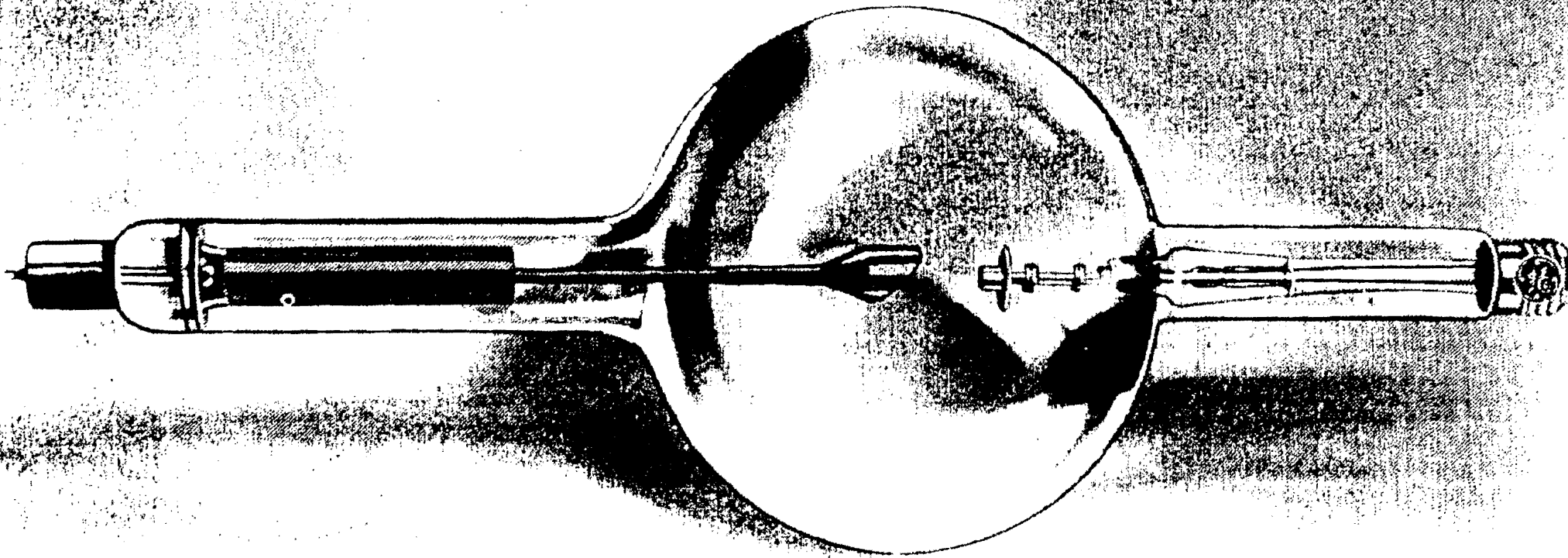
MARK SIMPSON HOPES:

1. That exact radio frequency carrier waves will not be needed. That a common CB radio will work all by itself.
2. That antennas will be tested first because they are less expensive.
3. That 20 Hz. on 20 MHz. will resonate paramecium and other pond water microbes through the air, **without the help of ultraviolet radiations**. I think that 20 MHz is probably the harmonic of 20 Hz. Knowing the correct audio "M.O.R." should tell us something about the correct **radio frequency** "M.O.R."

I, M.S., agree with Rick's ray tube notions. They make sense. We both hope everything works. We both hope that just about any radio frequency carrier will do (*however Rick thinks that radio frequencies that are harmonics of the M.O.R. will work better, with octaves being the best*).

I plan on trying two or more antennas on different radio frequency carrier waves at the same time.

Experiments take time and money. We are still trying to complete; through wires, in the puddle of water, under the microscope experiments. For a two hour edited version of what your donation paid for, please send \$300.00 to Mark Simpson, Box 710088, Dallas, TX., 75371. What your experiment will consist of is information supplied on request.



The photo and schematic you see here is that of a Coolidge X-ray tube. This may be the exact tube that Rife had evacuated and filled with helium gas (some say a combination of helium and argon). This could be the exact tube that Rife used in his early experiments with the Rife Ray and radio frequency. It is thought that Rife placed audio frequencies on a radio frequency carrier wave which was then amplified enough to light this "ray tube". This is how the Rife Ray worked. Later, we think, the Beam Ray (not Rife Ray) units eliminated the radio frequency input to the tube because radio frequency was still the resultant output when the tubes were fed high voltage audio frequencies.

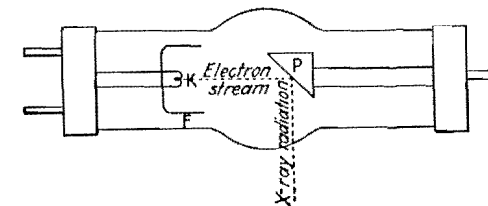


FIG. 6-15. Coolidge X-ray tube.

A sketch of a simple X-ray tube is shown in Fig. 6-15 in which *P* is the anode target and *K* is a hot cathode, contained in a highly evacuated vessel. The metallic ring *F* around the cathode is a focusing shield designed to focus the electron stream on the anode. The face of the anode is inclined at an angle in order to throw the X-ray radiation out the side of the glass bulb. To operate the tube, the cathode is heated as in any hot-cathode vacuum tube, and a potential of a few hundred thousand up to several million volts, depending upon the size of the tube and the nature of the work that it is to perform, is applied between the anode and cathode. The intensity of the X-ray radiations is controlled by

AN INTRODUCTION TO RADIOLOGIC SCIENCE

Robert M. Oman

McGraw-Hill Book Company
Chicago • New York • London

FUNDAMENTALS OF VACUUM TUBES

BY
AUSTIN V. EASTMAN, M.S.

McGraw-Hill Book Company, Inc.
NEW YORK TORONTO LONDON
1919

MILBANK JOHNSON, M.D.
PACIFIC MUTUAL LIFE BLDG.
LOS ANGELES, CALIFORNIA

January 31, 1936

My dear Roy,

We are sending you today by express an output tube which we have had blown and made in Los Angeles. It is made out of pyrex glass and while the work in it is not very beautiful, I think it will demonstrate what we want to know. You will notice that we have a very much enlarged target and that we have changed the anode so that the current will come off of it at a point rather than in a round disc as in the other tubes which we have had.

I wish you would please have this evacuated and properly charged with helium as you have the other tubes so that we can have an extra tube here. We are entirely dependent upon the little quartz tube because we broke accidentally the big tube that you had fixed for us. So please get this evacuated and fixed up and get it to us as soon as you can. The Committee will pay for the work if you will let us know how much it is.

Phil has asked me to ask you to please send up the old bum tube that you have in your oscillograph and he will exchange it for a new tube and also send you a spare. He said you would know all about it. So, if you will get that up to us at the same time you get the other tube, Phil will see that you have the two new tubes.

Keep behind them on the Laboratory matter and don't let your memory fade.

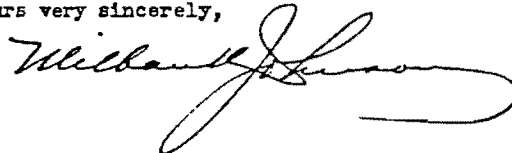
I am going to Sacramento Sunday night but will be home Thursday morning. I will be in San Francisco all day Wednesday and I shall try to see both Dr. Karl Meyer and Dr. Walker and see if I can do anything to hurry matters on.

Dr. Rife 2. January 31, 1936

800 BURLEIGH DRIVE
SAN RAFAEL HEIGHTS
PASADENA

Have you got your series running on the new Zeiss camera? I think that is very important and should be started as soon as possible.

Yours very sincerely,



Dr. Royal R. Rife
2500 Chatsworth Blvd.
San Diego, Calif.

6-4-36

Dr J.C. Burnett
Alpine
N.J.

Dear Dr Burnett,

We arrived home safely after, what we feel was, a very successful trip and are now beginning to get things back in shape here at the laboratory.

We were greatly pleased to find the new laboratory ready for the roof and expect to be moving in by the middle of July that is going to be quite an undertaking and will take quite some time to get settled.

Jack and I both learned a great deal at the meetings in Chicago and fields of research were uncovered to us that in time should prove very valuable. Drs Lecoq Cowley and Petri were most interesting and we look forward to the time that we can learn more about their work.

We are beginning on the motion picture film to be shown at Detroit in September, as you suggested; by the way has a definite date been set for that meeting; we plan on about a thousand feet of 16mm along with new slides to show the recovery of filterable virus, ultra microscopic cell life and colloidal suspension particles.

The slit illuminator I spoke to you about was not in stock at Ziess in New York, but they expect a large shipment in some time this summer and will notify you when it arrives and I can talk it over with you when I see you at Detroit, along with some important factors of research that will give us an insight of great value in diagnostic work.

My eyes were given a close check by Dr Joseph Heitger in Louisville and he has limited my work on the microscope to two hours in twenty four with three minute rest periods, or else I'll be blind in a few years.

Our work at U of Pa. at Philadelphia and A.O. at Southbridge was most successful both Mr Donner and Mr Wells seemed very well pleased with the results of the trip.

Thanks again for your kindness in Chicago to us and with kindest regards to both Mrs Burnett and yourself

I remain very sincerely yours,

RRR-JF

San Diego, California.
June fourth, thirty-six.

R. RIFE

author of this fragment is unknown.

San Diego, Calif.
December 17 1935. ↵

Dr Milbank Johnson,
Pacific Mutual Bldg.
Los Angeles, Calif.

Dear Dr Johnson,

Am glad to report that Dr Rife is much improved after his treatments over at Paradise Valley and will go over again tomorrow, to let them finish up.

He was pleased that Sir Montague took such an interest in the microscopes and would like for him to come back when he is feeling better and could really have time to show him fully some of the things we are doing.

Dr Rife's discription of the machine follows:

"The basic principal of this devise is the control of a desired frequency. These frequencies varying upon the organisms being treated.

The frequency is set which controls the initial oscillator, which in turn runs thru six stages of amplification, the last stage driving a 50 watt output tube.

The frequency with its carrier wave is transmitted into an output tube similar to the standard X ray tube, but filled with a different inert gas. This tube acts as a directional antenna.

The importance in the variable control of these frequencies is that each pathogenic organism being treated is of a different chemical consistency, the consequence being they carry a different molecular vibratory rate. Each one in turn under these conditions requires a different frequency or vibratory rate to destroy."

I spoke to him again about the matter of my operating the machine if Phil is too busy and he thinks it would be a good thing, both from the view of being certain as to the use of the correct frequency and also that we would be in direct touch with the different cases as they progress under treatment.

IMPORTANT →

RIFE
QUOTE:

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OBSERVATIONS ON FILTER-PASSING FORMS OF EBERTHELLA TYPHI (BACILLUS TYPHOSUS) AND OF THE STREPTOCOCCUS FROM POLIOMYELITIS

E. C. Rosenow, M. D., Division of Experimental Bacteriology: Interest in the series of reports by Dr. Kendall^{2,4} on the filtrability of bacteria by the use of his protein-rich, peptone-poor, K medium reached its climax, it might be said, following publication of the report on the successful visualization, with the high-power Rife microscope, of the filter-passing form of Eberthella typhi in cultures of K medium, and in the corresponding filtrates.⁵ Discussion over these important, and in some respects revolutionary, findings has become widespread. Since I, as well as others^{3,6,7,8} have been attempting, and with some success, to make the streptococcus, especially that from poliomyelitis, filtrable and to develop the virus of poliomyelitis from the streptococcus so consistently isolated in this disease, I accepted a recent kind invitation of Drs. Kendall and Rife to share with them their observations in a restudy of the filter-passing forms of Eberthella typhi as seen with an improved model of the Rife microscope. They asked me also to bring with me my cultures of the streptococcus from poliomyelitis.

It is the purpose of the report to record the more important observations made during three days, July 5, 6, and 7, 1932, spent with them in Dr. Kendall's laboratory at Northwestern University Medical School, Chicago. Owing to the novel and important character of the work, each of us verified at every step the results obtained. Microscopic examination of suitable specimens was made as a routine by Dr. Rife with his high-power microscope, by Dr. Kendall with the oil immersion dark field, and by myself with the ordinary Zeiss microscope equipped with a 2 mm. apochromatic oil immersion lens and x10 ocular giving a magnification of about 900 diameters. Most observations with the Rife microscope were made at 8,000 diameters. In order to check the magnification, gram and safranin stained films of cultures of Eberthella typhi, of the streptococcus from poliomyelitis, and stained films of blood, and of the sediment of the spinal fluid from a case of acute poliomyelitis, were examined. Bacilli, streptococci, erythrocytes, polymorphonuclear leukocytes, and lymphocytes were clearly seen, and in each instance were, as near as could be estimated, about nine times the diameter as when examined with the 2 mm. oil immersion at about 900 diameters.

The following principles and methods were stated by Dr. Rife as being essential in order to visualize clearly the objects at this and higher magnification by direct observation. Spherical aberration is reduced to the minimum and magnification greatly increased by using objectives in place of oculars. Proper visualization, especially of unstained objects, is obtained by the use of an intense beam of monochromatic polarized light

created by rotating wedge-shaped quartz prisms placed between the source of light and the substage quartz condensor. Dispersion of the transmitted rays of light, as they pass upward to the eye, is prevented by passing them through a series of quartz erecting (90°) prisms. Projection of the rays of light through air is not greater than 30 mm. at any point.

The oval, motile, turquoise blue bodies described previously by Kendall and Rife were demonstrated unmistakably under the Rife microscope in numerous hanging drop, between slide and cover glass, preparations of old and young cultures and corresponding filtrates of two strains of Eberthella typhi. One of these strains represented the one studied by them previously, the other was isolated a short time before from the blood in a case of typhoid fever. The bodies were numerous in cultures of the bacilli in the K medium but were also found in smaller numbers in peptone broth cultures. The motile forms, as a rule, were of a deeper blue-green color than nonmotile forms. In several instances they were seen attached to, or were in the swollen ends of, bacilli having a similar turquoise blue color. In one instance, the turquoise blue body was seen to be extruded or detached and as this occurred the bacillus lost its bluish-green color. The bacilli not containing granules seemed to be of different density and were of a grayish-brown color instead. No bacilli were found in clouded cultures in K medium inoculated previously with filtrates of cultures; only large numbers of the bluish-green bodies were seen. This was true of the strain examined last November and which has been kept in filtrable, nonbacillary form through a series of transfers ever since, as well as their recently isolated strain. Stained and hanging drop preparations of clouded filtrate cultures examined under my microscope were uniformly negative, despite the fact that the blue bodies, as seen under the Rife microscope, appeared not less in diameter than the cross-diameter of the bacilli. Dancing bodies were seen under dark field illumination. These were considered as the filtrable, turquoise blue bodies. The turquoise blue bodies were not found in filtrates of the uninoculated K medium. Bodies resembling those of Eberthella typhi, but of grayish-brown color, were seen in K medium cultures of Escherichia coli and corresponding filtrates.

It was next agreed to filter cultures of the streptococcus from poliomyelitis which I brought with me, for the purpose of controlling the results obtained with Eberthella typhi, as well as to see what the Rife microscope might reveal. This strain was isolated June 18, 1932, from the nasopharynx of a boy aged ten years in the acute stage of a typical attack of epidemic poliomyelitis. The strain had been passed consecutively through three sets of rabbits, and produced death from flaccid paralysis of all of the ten rabbits given intracerebral injections. It has been recovered from filtrates of emulsions of brain and cord of paralyzed rabbits three consecutive times and once from a filtrate of a chick infusion broth culture. It had been subcultured by rapidly repeated transfers of glucose-brain broth twelve times between the second and third animal passages, and subsequently. The cataphoretic velocity remained poliomyelitic throughout. The streptococcus had become smaller through repeated filtrations, animal passages and growth in special mediums. It grew readily on aerobic blood-agar plates when first

isolated in glucose-brain broth but lost this power after repeated filtrations and growth in special mediums. Two cultures were filtered through new Berkefeld N filters, one in K medium, the other in chick infusion broth. (The chick infusion broth is prepared in the same way as meat infusion broth but instead of using ground meat, ground chicks within the shells of twenty day incubated, fertilized eggs are used.) Both sets of cultures had been incubated forty-eight hours and then kept at room temperature in transit for eighteen hours longer. Smears from the former, stained by gram and safranin, revealed a moderate number of diplococci and short chains; the cocci were spherical, varied considerably in size and were characteristic of growth in this medium. Smears from the latter revealed numerous diplococci and short chains, the cocci being elongated in the long axis of diplococci and chains, but which also varied considerably in size. Exceedingly small, gram negative forms were readily detected. These were more numerous and smaller than the smallest forms in the K medium. Hanging drop preparations of these cultures under the Rife microscope revealed cocci, diplococci and streptococci of varying size, shape and density. Filtration was done exactly as in cultures of *Eberthella typhi*. The culture was diluted four times with salt solution. Only moderate suction was used and filtration was completed in about ten minutes.

Cultures of the filtrates were made immediately into glucose-brain broth, chick infusion broth and into chick infusion, egg yolk, and K mediums. Hanging drop preparations of these filtrates made immediately and the following day, being kept at room temperature meanwhile, revealed cocci and diplococci of approximately the size and shape of those seen in the cultures and were characteristic of the medium in which they were grown. Concentration by centrifugation was attempted without success.

In no instance were turquoise blue bodies observed in these filtrates. The cocci and diplococci were of a brownish-gray color, of more uniform intensity than those seen in the corresponding cultures, and were almost always surrounded by a clear halo about twice the width of that seen at the margins of debris and *Eberthella typhi*. Stained films of the filtrates and filtrate sediments examined under the ordinary microscope never revealed organisms. Hanging drop, dark field preparations revealed nothing distinctive of diplococci.

On the basis of these startling results, I had my assistant at Rochester prepare and send three filtrates, one from glycerolated brain and cord of a monkey that died of poliomyelitis following inoculation of adapted filtered virus, one from the glycerolated brain of a rabbit that died following inoculation of virus of herpes, and one from the brain of a normal rabbit. Approximately 5 per cent emulsions in sodium chloride solution of the brain and cord substances were prepared, as is our custom in order to avoid contamination from the air, by shaking with glass beads in a shaking machine, instead of grinding in a mortar with sterile quartz sand. These were centrifuged and filtered through Berkefeld N filters. Strong suction (19 cm. mercury) was used and shipment was made at room temperature in scrupulously clean, sterile vials sealed with a rubber disk cap.

Hanging drop preparations, under the Rife microscope, of the filtrate

of poliomyelitic virus made twenty-four hours previously, revealed readily as high as three per field of brownish-gray cocci and diplococci identical in size, density, and color, to those found in filtrates of the cultures of the "poliomyelitis" streptococcus. The hanging drop preparations of the filtrates of the virus of herpes also revealed a considerable number of cocci and diplococci but of a bright to pale pink, somewhat smaller than those found in the filtrates of the streptococcus and of the virus of poliomyelitis. The objects resembling cocci and diplococci were easily distinguished from debris; they, as the diplococci and streptococci in the cultures, were non-motile, of fairly even density, size and form and were surrounded by a light halo suggesting a narrow capsule. Prolonged search for similar forms in hanging drop preparations of the filtrate of the brain of the normal rabbit proved unsuccessful. Nothing resembling the turquoise blue bodies of *Eberthella typhi* was seen in these filtrates, and in no instance were cocci and diplococci found in filtrates of uncontaminated cultures of *Eberthella typhi*. Attempts with the Rife microscope to find the coccus and diplococcus forms in increased numbers of hanging drop preparations from the bottom and top of the centrifuged "virus" filtrates were only mildly successful. Stained and hanging drop preparations examined with the ordinary microscope failed to reveal organisms and the identity of small, glistening bodies in hanging drop preparations under dark field illumination was uncertain.

During the course of examination of old cultures of filtrates of *Eberthella typhi* in K medium, two tubes that had been repeatedly opened previously for demonstrating turquoise blue bodies and that had become very turbid, were found to contain large gram positive to gram negative diplococci of uniform size, sometimes in short chains. These were both filtered through Berkefeld N filters and one also through a Berkefeld W filter. Examination under the Rife microscope of hanging drop preparations of all three filtrates revealed unmistakable nonmotile, bluish-green cocci and diplococci resembling those in the cultures. Those in the W filtrate seemed definitely smaller than the ones in the N filtrates. They were larger than those seen in filtrates of the cultures of the poliomyelitis streptococcus, virus of poliomyelitis and of herpes. The color resembled that of the turquoise blue bodies of *Eberthella typhi* making it difficult, in some instances to distinguish between nonmotile forms of these and cocci. Bacilli and actively motile bodies were not found.

Subcultures in glucose-brain broth and chick infusion medium, from the K medium and chick infusion broth cultures that were filtered, yielded a pure growth of the streptococcus whereas cultures in the K medium and ordinary plain broth remained sterile. All culture of the filtrates of the poliomyelitis streptococcus cultures proved sterile. The two tubes of chick infusion layered with oil, inoculated one each with the culture filtrates, became clouded in six days but no bacteria could be found in stained smears. Chick infusion cultures of this streptococcal strain have since been filtered twice. The strain retained characteristic cataphoretic velocity as well as characteristic infecting power.

Cultures of the filtrates of the virus of poliomyelitis in glucose-brain

Loth, layered with oil, became slightly cloudy in five days, and smears revealed a moderate number of gram positive diplococci sometimes in short chains. Chick infusion and K medium cultures remained sterile and free from clouding. Cultures of the filtrate of the virus of herpes in chick infusion medium layered with oil became cloudy in six days and smears revealed large numbers of small gram positive diplococci, sometimes in short chains characteristic of strains which Evans and we sometimes isolate from herpetic virus. Cultures of the filtrates in K medium and glucose-brain broth remained sterile.

The rabbit given intracerebral injections with the herpes virus remained free from symptoms for four days. It died during the night of the fifth day after injection. Cultures from brain and cord have remained sterile thus far. Frozen sections of brain and cord revealed typical lesions of encephalitis in which diplococci resembling those isolated from the filtrate injected, were found. The *Macacus rhesus* monkey given intracerebral injections with the adapted virus from poliomyelitis remained well for eight days and became ill on the ninth day with classic symptoms of experimental poliomyelitis, that is fine tremor of face and head, excitation, staccato voice, and complete flaccid paralysis of hind extremities. The spinal fluid was slightly turbid and contained 1,147 cells per cubic millimeter. Polymorphonuclear leukocytes and lymphocytes were present in about equal numbers. The animal was etherized. A small cyst containing chocolate colored fluid was found at the point of injection in the right frontal lobe. Moderate congestion of the vessels of the cerebral cortex was found, but no other lesions. Smears from the centrifugated spinal fluid revealed not less than fifty undoubted diplococci, varying greatly in size from exceedingly small, elongated forms, such as commonly seen in cultures in chick infusion medium, to large, deeply stained gram positive diplococci in which each member was oval or round. Many of these were found within polymorphonuclear leukocytes and large lymphocytes. In several, large numbers of diplococci were found. A few gram positive diplococci, sometimes in chains of two or three, were found on prolonged search, in direct smears of pipettings of the cerebrospinal fluid, in material from the anterior horns of the cervical and lumbar regions of the spinal cord, and in contact smears from the cerebral cortex. A search of similarly prepared smears made from pipettings from the liver, spleen, and kidneys did not show organisms. Cultures in chick infusion medium of pipettings of the cerebrospinal fluid admixed with brain substance, and cultures of the emulsions of portions of the spinal cord, revealed a pure growth of streptococci resembling those seen in direct smears. Frozen sections of the lumbar and cervical cord disclosed typical lesions of poliomyelitis.

On the basis of these findings, there can be no question of the existence of the filtrable turquoise blue bodies of *Eberthella typhi* described by Kendall. They are not visible by the ordinary methods of illumination and magnification, not because they are too small, but rather, it appears, because of their peculiar nonstaining hyalin structure. Their visualization under the Rife microscope is due to the ingenious methods employed rather than to excessively high magnification. Examination under the Rife micro-

scope of specimens containing objects visible with the ordinary microscope, leaves no doubt of the accurate visualization of objects or particulate matter by direct observation at the extremely high magnification (calculated to be 8,000 diameters) obtained with this instrument.

The findings under the Rife microscope of cocci and diplococci in filtrates of cultures of the streptococcus from poliomyelitis, and in filtrates of the viruses of poliomyelitis and herpes encephalitis, not detectable by the ordinary methods of examination, and which resembled in form and size those found in the respective cultures, and the absence of minute forms, suggests that the filtrable, inciting agent of these diseases is not necessarily extremely small, as is universally believed. Indeed, the filtrable, inciting agent may be the nonstaining, highly plastic, hyalin state of the visible, stainable, cultivable organism, the streptococcus.

It is of course, possible, that these unstainable, invisible forms revealed by ordinary methods of examination, are not the inciting agents or "viruses" of these diseases and that they represent merely the filtrable, or other state of the streptococcus. A consideration of the great difficulty one has in isolating the streptococcus and demonstrating diplococci in lesions in these diseases and the ease with which the bodies are found in the filtrate, indicate clearly that the "invisible" forms of the streptococcus, if such they be, are present in large numbers in the host, as in positive cultures of the streptococcus. Their form, size and color are too characteristic and true to type to permit considering them as artefacts or as being expressive of etiologically unrelated, contaminating streptococci. Noninfectivity of the filter-passing forms, except in the cases of virus diseases, their presence in large numbers in filtrates, both of cultures and of infected tissues, and the great difficulty in obtaining the visible form in cultures of filtrates,^{2, 3, 7, 8} indicates that "invisible" filter-passing forms represent a certain stage in the development of microorganisms.

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tal es cor ned thi ~~from the private archives of Jimmie Holman & Paul Dorneanu~~ by ~~ne~~ ~~know~~ ~~Crane~~ ever finished the article, but a suspect not. My guess is that a lack of case history information is the reason, as all of the records from the famous 1934 University of Southern California sponsored clinic (under the direction of Johnson and Rife) are said to have disappeared the night of Johnson's death. In 1952 Crane had known Rife around two years.

DEVELOPMENT OF THE RIFE RAY

AND USE IN DEVITALIZING OF

PATHOGENIC MICRO-ORGANISMS.

By John F. Crane 1952

In January 1920 experiments were started at the Rife Research Laboratory by Commander Royal R. Rife U.S.N. Ret. to determine the effect of electrical influences upon pathogenic micro-organisms. Tests were made for anode and cathode polarity influences and the effect of infra red, ultra violet and x-ray.

During these experiments the idea was conceived of the possibility of devitalizing the pathogenic micro-organisms by electronic frequencies of varying wave ~~lengths~~ *lengths*.

The initial apparatus ^(No. 1) for the tests along this line of experiments ~~was~~ ^{was} constructed and used in prolonged experiments during 1921 and 1922, with results that warranted the belief that the principles involved contained possibilities.

In 1923 more appropriate apparatus ^(No. 2) was assembled ^{and used} and the different frequencies ~~used~~ were generated by a tube oscillator with many stages of amplification, the final stage being a 50 watt ^{junger} ~~Telefunken~~ tube. This amplified frequency was in turn fed into an output tube ~~and as~~ the voltage at this point was quite small, it was found necessary to ^{of the output tube} apply external voltage across the anode and cathode to act as a carrier wave for the frequencies that were generated in the apparatus.

The output tube was constructed with a double expansion bulb, blown from quartz, using platinum ^{anode} electrode and cathode it having a 450 ~~temp.~~ ^{No heat is generated in output tube - Temp. constant -} get for directional effect. The frequency control of the instrument was exact to a fraction of a wave length making it possible to coordinate the frequency in each pathogenic micro-organism with its own wave length of frequency delivered from the instrument.

The current supply for this whole apparatus was supplied by batteries and motor generators.

During the next eight years these experiments continued and with the aid of the Rife super microscope and the frequency instruments the

Page 2

coordinating frequencies (termed mortal oscillatory rate MOR) of most of the pathogenic micro-organisms were found and recorded including the frequencies of many of the virus or filter passing forms of these organisms.

In 1931 Dr. Arthur I. Kendall of Northwestern University was invited with the aid of the Rife super microscope to observe the virus of B. Ty and his observations may be seen in an article, "Observations on Bacillus Typhosis in the filterable state", California and Western Medical Publication, December 1931 Volume XXXV No 6. 450 Sutter St. San Francisco, California.

In 1932 Dr E.C. Rosenow of the Mayo Clinic was invited to observe with aid of the Rife super microscope the virus of B. Typhosis and also upon ^{his} request ^{was shown} the virus form of the Streptococcus from Poliomyelitis. His observations may be seen in the publication, "Proceedings of the Staff Meetings of the Mayo Clinic, Pages 408-9-10-11-12-13. Vol. 7 No. 29 July 13th 1932 Rochester Minn.

In 1934 a series of clinical cases were treated ^{at La Jolla California by Dr MJ} for malignant carcinoma with the frequency found ^{from} ~~the~~ ^{the} virus isolated from human breast carcinoma, ~~these experimental cases were used to determine the effect of the frequencies on the Pathogenic Micro-Organisms in the Human body. The results of these cases are listed below.~~

In 1935 an entirely new application of the old principle was incorporated in an instrument built under the direction of Commander Rife by Philip Hotland of Pasadena Calif. The new instrument was light-socket powered and had an output of 500 watts. *designated #4.*

Page 3

Furthermore it was equipped to deliver two distinct frequencies simultaneously and both variable. This apparatus proved to be more efficient with decidedly fewer factors of error and in laboratory tests using 75 pounds of horse meat

and in clinical cases the following results were noted by Dr Milbank Johnson and others

Case No 1

Case No 2

In the early part of 1936 Commander Rife and Mr Moyland spent much time collaborating on revising some of the applications of the fundamentals of the instruments due to the advancement that had taken place in the application of electronics and it was found that the carrier wave used in the previous instruments could be eliminated. During the summer of 1936 further experiments were carried on, which resulted in an entirely new method of generating the desired frequencies and produced a constant input and output in the instruments. During this work several new test appliances were built for further studying the different frequencies and wave forms noteworthy among these was a nine inch Cathode-Ray oscillograph of high sensitivity, built for the purpose of photographing the different frequencies on motion-picture film and thereby allowing the numerous waves to be studied at will. During the fall of 1936 Dr Couche of San Diego and Jack Free assistant to Commander Rife conducted a clinic with one of the frequ-

Page 4

Ray machines treating experimentally cases of carcinoma and senile cataract with the following results.

Case No 1 A Mr Newton suffering from Paget's disease in the last stage after receiving seven exposures to the frequency of virus of carcinoma appears to be fully recovered. (note his letter attached) .

Case No 2 A Mrs Vitte suffering from Paget's disease in early stage after receiving six exposures to frequency of virus of carcinoma appears to have fully recovered. (note letter attached)

Case No 3 A Mrs Blank suffering from carcinoma of the uterus after nine exposures to frequency of virus of carcinoma appears fully recovered. (note letter attached)

Case No 4

Case No 5

Case No 6 A Mrs Tobish suffering from senile cataract after six exposures to the frequency of carcinoma and streptothrix vision normal.

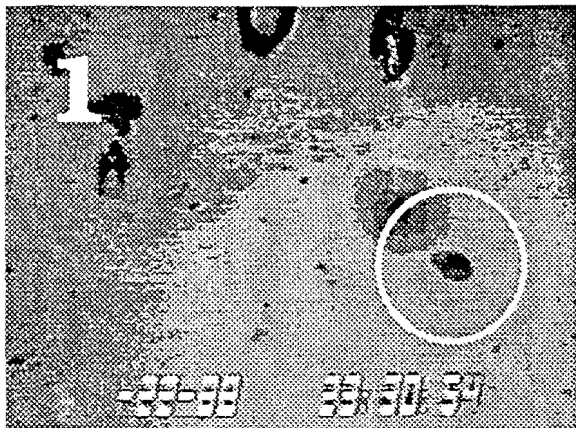
Case No 7

Case No 8

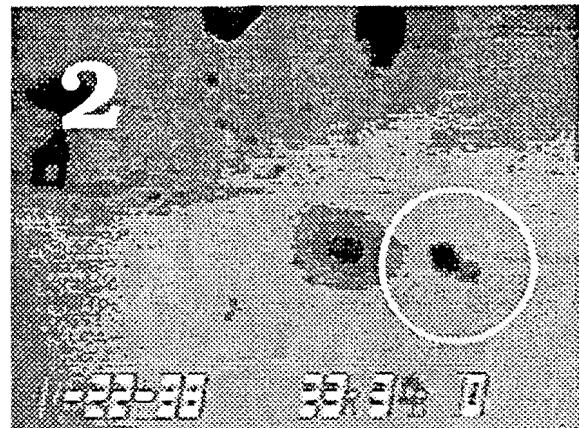
Case No 9

from the private archives of Jimmie Holman & Paul Dorneanu
 The American Institute of Archives published these video photos of our bug blow experiments. J.R. Lance is a good friend of mine and was instrumental in acquainting Sheppard and Simpson to Rife's history.

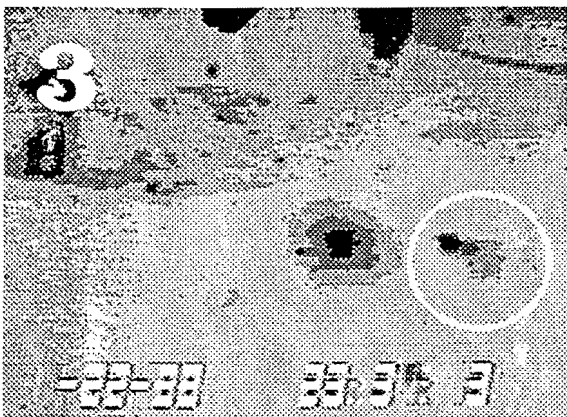
Microorganism begins spinning after 7 seconds of frequency exposure



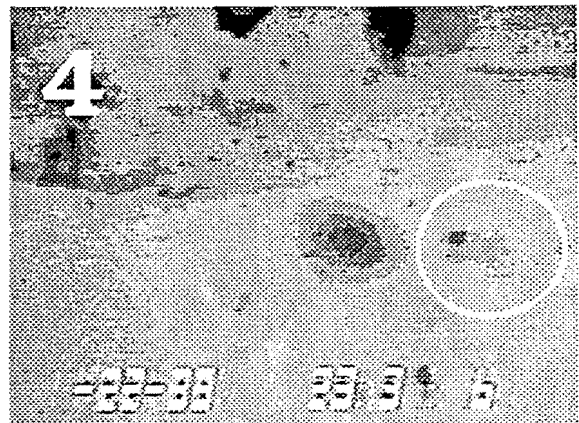
Germ suddenly erupts at 23 seconds of frequency exposure



Germ quickly dissipates after eruption (Now 26 sec. of exposure to lethal frequency)



Single celled organism almost completely decomposed in only 29 sec.)

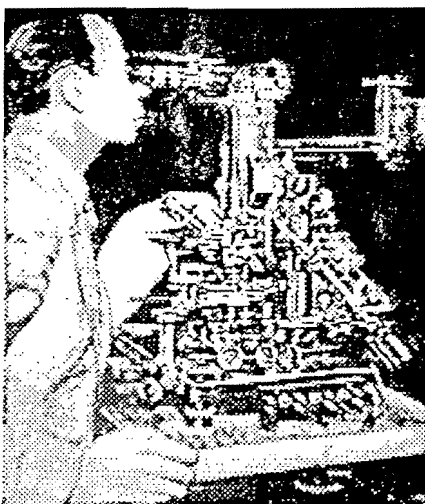


These photographs were taken from a video tape of a single cell microscopic organism. During this experiment session a standard commercial 2MHz frequency generator was used. At a given frequency all organisms of a certain type were killed almost simultaneously, while other species remained active. Without the Rife microscope we cannot visually observe active viruses, therefore we cannot see the effect of frequencies on the smaller viral germs.

(New Electron Microscopes must kill viruses for observation and most disappear immediately at death).

(2C)

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NOTICE

October 18, 1991

Dear Patron,

Because of the lack of support, I regret to inform you that I must end the multilevel program for the Rife technology.

I do want to thank those of you who really did commit large amounts of energy, and time in what I still think is a worthy endeavor.

Please do not send out any more Rife brochures. I can only return the checks of new requests for the Info Pack.

The Electrus news letter has been scaled down due to lack of data input and financial support, but I am still in the process of constructing a lab to prove or disprove the Rife technology. Hopefully, in the next year I will be able to reestablish contact with you, to inform you of our progress.

I still desperately need any experimental data that you may have accumulated.

Thank you so very much,

Your friend,



JR-Lance

NOTICE

Please forgive me for returning your check. The Information Pack has been discontinued due to a lack of support.

Hopefully by late 1992 our laboratory for Rife research will be completed and again a more detailed Information Pack will be made available.

The Rife audio cassette tape is still available. Send \$10. and ask for "SC-1". Please send your tape order to the address below. This places you on our mailing list enabling us to communicate with you.

Thank you for your interest in this astounding technology, and hope to hear from you later.

ESCHATOLOGY FOUNDATION
P.O. Box 21, Keene, TX 76059

ADDITIONAL FREQUENCY LISTS FROM OTHERS IN THE FIELD

The following frequency lists come from John F. Crane, Super Science, and the Alphonics Company. They are included because they mention different malidies and differerent frequencies than the list included as Appendix One.

The following is included as an addendum to the Super Science listing. \$5,500.00 and \$16,600.00 is a lot to pay for a unit that has not been proved. I suggest going to Ohio and asking for a microscopic demonstration before buying these units.

Remember that ALL Rife-like units have not been proved.

Super Science
P.O. Box 392
Dayton, Ohio 45409
(513) 298-7116

Nov 1991

Mark Simpson
PO Box 710088
Dallas, TX 75371

Dear Mark:

Just a note to get back to you about the Plasma Discharge Beam Tube that was recently featured in Extraordinary Science magazine. Enclosed is a bit of information on this fascinating device. As you know, the Beam Tube is an output device for the Rife Frequency Resonator. Normally, a set of stainless steel footplates (or flexible pads) are used to put the "Rife" square wave pulse repetition rates into the body. The bottom of the feet are especially well suited for this function because not only are all the nerve endings there; but the acupuncture meridians are present in the feet also. This makes it possible to introduce the Rife frequencies into the soles of the feet and have the pulsed square waves travel efficiently to all parts of the body... Sometimes the normal tingling sensations felt in the feet, ankles and legs; sometimes these tingling sensations are felt in separate parts of the body such as the shoulder, neck or other distant parts of the body. This shows that the Rife frequencies are indeed traveling throughout the body of the experimental subject!

What all this means is that the footplate system for the Rife machine is probably the most efficient way to get the job done. However, to strictly replicate the original instrumentation of Royal Rife, the Beam Tube set-up is used. The main advantage of the Beam Tube is that the whole body is affected evenly and simultaneously! Another advantage of the Beam Tube set-up is power! In the 500 watt configuration, the Plasma Discharge Beam Tube is definitely superior to the foot plates simply because of the brute force available to put the frequencies anywhere in the body of the subject (even through clothing). The disadvantage of either Beam Tube configuration is cost...

PLASMA DISCHARGE BEAM TUBE; Low Power (40 watt)	\$ 3600.00
RIFE FREQUENCY RESONATOR	\$ 1859.00
System cost:(Mark, this constitutes a complete system!)	\$ 5459.00

PLASMA DISCHARGE BEAM TUBE; High Power (500 watt)	\$16595.00
---	------------

Breakdown of costs for high power unit:

Central processing unit with EGA monitor, 20meg Hard drive; Rife Big Brother Software; this module is an integral part of the Beam Tube.	(\$2995-)
Beam Tube Exciter Circuit. Continuous wave RF transmitter with 50 watt output in 28 to 35 MHz frequency range.	(\$2800-)
Linear RF Power Amplifier. Transduces 50 watt Exciter output to 500 watt output to drive Plasma Discharge Beam Tube.	(\$3800-)
Impedance Matching Network/Antenna Tuner. Matches 52 ohm output of Linear RF Power Amp to complex non-linear impedance of glass Tube.	(\$3950-)
Glass Beam Tube Assembly, at 1/4 resonant frequency.	(\$ 950-)
Oak woodwork and base for glass Beam Tube Assembly.	(\$ 200-)
Driver Modulator Interface; modulates computer signals to Exciter Circuit, installed within C.P.U. housing.	(\$1900-)

Best Regards,



Klark Kent
KK:skk
enc

PS: Use these figures to discuss
Beam Tube costs with potential
customers!

Technology for the New Age

From Crane's P.R.M.

from John F. Crane's P.R.M. PART THREE

INDEX

RESEARCH TECHNIQUES FOR ENERGY APPLICATIONS TO ELIMINATE DISORDERS, DISEASES, AND OTHER TROUBLES WITH COLOR THERAPY, COSMIC AND MAGNETIC POLARITY THERAPY, AND ELECTROMAGNETIC THERAPY AND COMBINATIONS THEREOF TO SPEED RECOVERY

All frequencies given in Hertz at 4 to 5 Volts Square Wave direct on skin and avoid use of oils and creams which provide insulation from energy transfer into the body. In general: drink one quart of polarized positive water with juice of one lemon daily. Drink electrolyte drink 20 minutes before electromagnetic energy application. Drink acidophilus drink after electromagnetic energy drink to get good bacteria back. Polarize drinks +.

Color power: use 500 to 1000 watt projectors for one hour; minimum time between energy to be 3 hours. Use 150 watt color flood lamps for 1 1/2 hours minimum from head to toe. Use 40 watt color lamps for 2 1/4 hours. For eyes use 12 watt lamps at 12 volts for; see 6-17 Part Two for times of applications.

This research has been applied to millions of people by doctors in hundreds of years of results all over the world. All types of doctors are reporting results that is accumulative and ongoing. Answers to the desired results you seek to achieve may be located herein.

Disorder	Colors applied in order by numbers color necklaces; also used	Cosmic/ Magnetic on 1-1 to 7-12	Electro- Magnetic Hertz
1	2	3	4
Acidosis	yellow, lemon, turquoise	+	10
Acne, pimples	lemon, yellow, orange, red	+	1 727,787,880
Aides	green, magenta	+	9-9 10 2489, 727,787,880, 5
Abdominal pain	orange, yellow (2 hrs after meal), scarlet	+	3-19, 3-1, 3-2 5K, 10K
Acute pain	indigo, scarlet, purple	+	11, 1-18, 4-35 10K
Adenoids	green, blue if hot	+	7, 4-40, 3-11 727,787,880
Adhesions	indigo, green	-	15
Alcoholism	green, yellow	+	14, 1-10 10K
Anemia	red, then lemon; scarlet	+	10 5K
Alopecia, hair loss	purple, indigo, scarlet	+	8 10K
Amenorrhea, no menstruation	scarlet, purple	+	10 10K
Aneurysm, large blood vessels	magenta, purple, indigo	+	1 20
Anus, itching	blue, green, lemon	+	5 10K, 20
Appendicitis	green, yellow, lemon	+	10 727,787,880
Arteries, hardening	purple, magenta, lemon	+	14 5K, 20
Appetite, skinniness	magenta, yellow, indigo	+	1-21 10K
Aphthae thrush	green	+	1-13, 14 727,787,880
Antiseptic	turquoise if fever: blue	+	10 727,787, 880

1	2	3	4	5
Arteriosclerosis	purple, magenta, lemon	+	6-14, 14, 2-15	5K, 20
Arthritis	blue-turquoise-indigo-violet	+	5-1, 5-2, 17	10K
Asthma	yellow, green, lemon	+	2-6, 14	727,787
	turquoise			880
Autointoxification	turquoise, lemon, green	+	4-20, 1, 14	10K
Artery stimulator	scarlet	+	2-15, 2	
Aura builder	magenta, purple, violet	+	6	20
Ataxia of muscles	purple, lemon, yellow	+	5-3	5K
	green			
Allergies	green, lemon, turquoise	+	14, 1-13, 1-14	5K
Backache	green, yellow, orange, lemon, violet		14, 5-4	10K
Bad breath	green	+	14, 3-11, 1-18	20, 5K
Bad complexion	green, magenta, lemon	+	2-13, 14	5K
	yellow, orange, red		3-20	
Bad teeth	green, blue, lemon	+	6-37, 11	20, 10K
Bed wetting	turquoise	+	4-32, 14	5K
Biliousness	turquoise, lemon, blue	3-20+	6, 2-12, 2-5	10K
Bent back	green, yellow, lemon	+	5-5	10K
Biting of insects	green, orange, yellow	+	3-13, 17	727, 880
Bladder troubles	green, turquoise, blue	+	3-13, 17	
	indigo, violet			
Blood diseases	green, lemon, purple	+	4-40, 14	727,787,880
	violet, turquoise			
Blood pressure Ht	green, violet, purple	-	2-1, 2-2, 14	10K
	scarlet, magenta			
Blood press. low	yellow, lemon, scarlet	+	2-3, 10	20
	magenta, indigo		1-1, 14	
Boils	lemon, orange, yellow, bursts			727,787,880
	open, remove core, green to drain	-	3-13, 14	20
	pus, turquoise 2X, seal with indigo			5K
Breast, trouble	lemon, scarlet, green	+	1-15, 1-19, 4-18	5K
Breast tumor	lemon, indigo on lump	7-1 to 7-10		2008, 2128
Bronco pneumonia	green, orange, turquoise	-	3-20, 3-13	776, 727,880
Bronchitis	purple, green, orange, yellow-purple	6-1, 2-47, 2-12		727,880
Bubonic plague	blue-turquoise-indigo-violet	+	9, 10, 14, 18	20,500,5K
Bright's disease (nephritis)	scarlet, green, lemon, blue	+	1-1, 14	727,787,880
	turquoise, indigo, violet	-		
Bruises	violet, blue, turquoise, indigo	-	5-7, 14	10K
Breathing	lemon	+	1-16, 14, 1	5K
Bunion pain	violet, blue, turquoise, indigo	+	4-9, 14, 9	20, 5K
Bones cut or broken	yellow; positive heals in 2 days (both sides)			10K
Burns	violet, blue, turquoise; indigo	+	14, positive	10K
Bursitis	violet, blue, turquoise, indigo	+	14, 5-8	727,787,880
Burns, radium,	same as above; drink aloe vera		14, 18	
	x-ray radioactive juice 1 qt. daily; 1/2 inside, 1/2 outside; shower			
Cancer, internal or external, Carcinoma	Use lemon; indigo on tumor area		3 minutes every	
	use negative polarity on all cancers		3 days	
Cancer, leukemia	same as above		same as above	7-3
Cancer, sarcoma	same as above			7-2 to 7-10; 2008

1	2	3	4	5
Carbuncles	same as for boils			
Catarrh (mucous)	blue, turquoise, indigo	+	4-25, 4-26, 10	727, 787
Inflammation	violet			880, 20
Child disorders	turquoise, green, blue	+	10	727, 880
Cataract, if	green, blue			
not diabetic use	also red or orange	+	10, 6-17, 6-18	10K
Cerebro-spinal	lemon, yellow, orange	+	10, 5-4, 3-15	10K
troubles	purple		3-20, 5-4, 5-18	
Cervical gland		+	1-9, 5-9, 10	5K
trouble (lumps on side of neck)				
Cervicitis, womb	blue, turquoise, indigo, violet	+	10,	727, 787, 880, 20
neck inflammation				
Chicken pox	blue, green, turquoise	+	10	20, 727,
green all nite for 12 nights; blue to stop fever				787, 880
Chilblains	blue, green, lemon	+	10, 3-12	20, 5K
Chronic tired	lemon, yellow, blue,			
feeling	magenta, indigo	+	10	10K
Coughing, colds	scarlet, green, orange		1-17, 10	10K, 728
	lemon; Positive water every 2 hours with lemon			
Cold hands	scarlet, magenta, purple	+	10	20, 5K
Cold feet	red, scarlet, magenta	+	10	20, 5K
Cold in head	lemon, magenta, turquoise	+	10, 4-12	728, 787
or chest, etc.	indigo, violet, blue	4-25	4-7, 3-20	880, 5K
Colitis, mucous	blue, turquoise, indigo	+	4-25, 4-26	800, 10K
catarrh of colon	violet; + on colon 2 1/2 hrs.		10, 14	
Conjunctivitis	blue, turquoise, indigo,		10, 14	728, 880
eyelid swelling	violet	+	6-24, 6-36	787
Colic, stomach & colon pain	orange, blue, yellow	+	3-1, 3-2	800
Constipation	purple, indigo			
	yellow; + on colon 2 hrs. + positive water every 2 hrs.		3-20, 1-18	800
Convulsions	blue, turquoise, indigo, violet	+	10, 14, 3-3	
Cricks in the neck	scarlet, yellow, green	+	3-4, 3-5	10K
Cramps	orange		1-12, 3-17	10K
Costalgia, rib pain	blue, turq., indigo, viol.	+	4-3	10K
Corns in feet	indigo	9	4-9, 10, 14	20, 10K
Coryza, nose	blue, turquoise, indigo,	+	6-31, 6-32	727, 787
disorder	violet		10, 8, 14	880
Cuts (+ to heal)	green, yellow, indigo	+	3-13, 10, 14	20, 5K
Cerebral palsy	blue, turquoise, indigo, violet	4-2		10K
Cystitis, bladder	blue, turquoise, indigo,	+	3-9, 10, 14	727, 787
Inflammation	violet, lemon			880, 800
Contraction,	indigo	+	10, 14	10K
arrests discharges				
Cardiac depressant	violet	+	10, 14, 6	10K
Cleans blood plasma	lemon	+	10, 14	5K
Dandruff, scales	lemon, yellow, orange, red	+	3-3, 3-20, 8	5K
Deafness	lemon, yellow, orange, red	+	6-3, 6-2	10K, 20, 800
Diabetes	lemon, then yellow	+	4-4, 10, 14	10K
Diarrhea and	yellow; soley fluids use	+	10, 14, 6	5K
dysentary	blue or indigo; Positive water every 2 hrs.			
Dropsy	blue, turquoise, indigo	+	10, 14, 6	10K

1	2	3	4	5
Diphtheria	blue, turquoise, indigo	+	10, 14, 1	727, 787,
	violet; green for 12 nights-clears up			20, 880
Dyspepsia	orange, yellow, green, lemon	+	3-8, 14	800
Indigestion			3-20, 1	
Dreams	purple, indigo, turquoise	+	1-7, 4-31	10K, 20
Dullness	blue, turquoise, indigo, violet	+	1-18, 14	5K
Dysmenorrhea,	blue, turquoise, indigo, violet	+	1-12, 14	727, 880
painful menstration				787, 800
Drug addiction	orange with water to vomit	+	7-11	20
	violet, indigo, scarlet, turquoise			
Distended	blue-turquoise-indigo-violet	+	3-9, 14	10K
organs				
Digestion	lemon-yellow-turquoise	+	1-18, 14	5K
	polarize positive over stomach and colon			
Duodenal ulcer	green-yellow-turquoise-lemon	+	3-12, 14	10K, 727, 880
Distended			3-1	
stomach	blue-turquoise-indigo-violet	+	3-10, 14	5K, 800
Ears, balance	green-turquoise-blue-violet	+	6-2, 14	10K, 20
Ears, hard to hear	yellow-purple-orange	+	6-3, 6-4	5K, 20
Ears, ringing	lemon-yellow-orange-scarlet	+	6-8, 6-9	5K, 20
Ears, dizziness	yellow-lemon-turquoise-purple	+	6-10, 14	20, 880
Earaches	blue-turquoise-indigo-violet	+	6-5, 10, 14	5K
Ear discharges	lemon-orange-green-turquoise	+	6-5	10K
Easily depressed	yellow-lemon-scarlet-magenta	+	10, 14	10K
Easily fatigued	orange-lemon-purple-indigo	+	10, 14	5K
Eczema, all skin	lemon-yellow-orange-red-blue	+	14, 1, 5	5K
troubles, herpes; burning; turquoise-indigo-viol.			6-41 blue for 1tch	
Enlarged glands	blue-turquoise-indigo-violet	+	2-5, 10, 14	10K
Enuresis, bed	blue-lemon-turquoise-indigo-violet	4-32		10K
wetting				
Epilepsy, fits	indigo-magenta-purple-lemon	+	4-6	20, 120
Epididymitis,	blue-turquoise-indigo-violet	+	4-9	20, 1500
Inflammation of upper part of testicle				
Eustachian tube	blue-turquoise-indigo-violet	+	6-31, 14	20, 800
from nose to ear - both sides				
Mouth eruptions	lemon-indigo-green-turquoise	+	6-11,	5K
Esophagus	blue-turquoise-indigo-violet	+	6-12	727, 787, 880
Eye, colorblind	lemon-yellow-green-orange-blue	+	6-13	10K
Eye, arteriosclerosis	magenta-purple	+	6-14, 14	20, 10K
	orange-blue-lemon-turquoise			
Eye, bifocal	blue-green-turquoise-yellow	+	6-15, 6-20	20, 5K
Eye, blurred	blue-lemon-turquoise-yellow	+	6-16, 6-29	20, 5K
Eye, catarract	green-blue	+	6-17, 6-18	5K
Eye, crossed	green-lemon-turquoise-yellow	+	6-19, 14	5K, 10K
Eye degeneration	blue-turquoise-indigo-violet	+	6-20, 14	10K
Eye, diplopia	lemon-orange-yellow-green	+	6-21, 14	10K
Eye, near and far sighted	orange-red-indigo-violet-blue	+	6-22, 14	5K, 10K
Eye infected	lemon-yellow		6-23	
Eye lacrimal	green-blue-yellow-indigo	+	6-24, 3-13	5K, 10K
Eye nerve pain	blue-turquoise-indigo-violet	+	6-25, 14	5K
Eye strained	indigo-violet-blue-lemon	+	6-26, 14	10K
Eye glaucoma	magenta-purple-blue	6-29	+	6-27, 14 727, 787, 880
	lemon-yellow-orange-red-blue	+	6-29, 14	1600

1	2	3	4	5
Eye, spot before or any inflammation	blue-turquoise-indigo-violet	+	rotate + & - 5 minutes over eyes 180 degrees	
Eye droop of 1st ptosis	lemon-yellow-orange-red	+	6-36	5K, 10K
Edema, lung swelling, excess fluids	blue-turquoise-indigo-violet	+	4-5, 14	727,787,880
Elbow pain	lemon-orange-yellow-purple	+	5-10	5K, 20
Erysipelas	blue-turquoise-indigo-violet	+	10, 14	600, 2000
skin inflammation (2000 is 2K Hertz)	blue-turquoise-indigo-violet	+	2-13	
Facial paralysis	yellow	+	4-8	5K, 10K
Facial cramps	orange-lemon-yellow	+	4-7, 14	10K
Falling hair	lemon-yellow-orange-red	+	8	20, 10K
	(avoid soap on hair)			
Fever, all kinds	blue-turquoise-indigo-violet	+	10, 14	20, 5K
Flashes, hot	blue-turquoise-indigo-violet	+	1-7, 1-22	10K
drink polarized	positive lemonade every 2 hours		1-23	
Fears	magenta-purple-scarlet-turquoise	1-22, 10, 14		10K
Flu	3-4 blue-turquoise-indigo-violet	+	4-12, 10, 14	800
Foot, blisters	lemon-turquoise-blue-indigo	+	10, 14	10K
Fistula, ulcer	blue-turquoise-indigo-violet	+	+ to heal	727,787,880
Fissures	blue-turquoise-indigo-violet	+	10, 14	20, 10K
Flatulence - see distended stomach; gastritis;	use positive water, 2 hr			
Foreign intrusions, pins, needles etc. pull out with magnet or operate				
Frigidity, female	scarlet removes	+	10, 14	20, 10K
Fascia, fibrous	blue-turquoise-indigo-violet	+	14	20, 5K
tissue under skin				
Female disorder	red-green-violet-scarlet	+	1-23 14	727,787,880
Fainting	yellow-lemon-violet-red	+	10, 8	20, 5K
Food poisoning	drink water then orange to vomit		14, 10	10K
Fractures see bones cut or broken				
Frost bite	blue-turquoise-indigo-violet	+	10, 14 + on bite	5K
Frozen shoulder	yellow-orange-violet	+	5-25, 10, 14	10K
Gall stones	positive water every 2 hrs.	+	1, 14	20
	purple-scarlet-magenta (distilled water)			
Gall bladder	blue-turquoise-indigo-violet	+	10, 14	20, 5K
Gangrene, tissue	blue-green-lemon-orange-yellow	10, 14		20, 727
death in mass (apply color to both sides)				787, 880
Gas pains in	indigo-lemon-yellow-green	+	3-8, 14, 6	20, 5K
stomach, gastritis	blue-turquoise-violet (and in colon)			
Giddiness, dizzy	blue-indigo-turquoise-violet	+	6-10, 10, 14	20, 10K
Glandular fever	blue-turquoise-indigo-violet	+	10, 14	20, 10K
Parathyroid: use indigo to energize; orange to depress				
Thyroid: use orange to energize; indigo to depress				
Thymus: use lemon to energize; purple to depress				
use yellow to energize; violet to depress				
Adrenals: use magenta to energize; green to depress				
Pituitary: use green to energize; magenta to depress				
Nerve stimulator: use yellow (best motor stimulant)				
Sex glands: use lemon to heal and as a bone builder plus magenta				
Pitneal: use green to energize; magenta to depress				
Gotter	orange-indigo	+	10, 14	20, 5K

1	2	3	4	5
Gout	blue-turquoise-indigo-violet	+	4-9, 10, 14	20, 10K
Gravel, deposits in urine, red or white: green-purple	positive distilled water every 2 hrs.			
Gonorrhea	green-turquoise-blue-lemon	+	10, 14, 5	5K
	indigo-violet	+	10, 14	660
Grippe, influenza	blue-turquoise-indigo-violet		10, 14	727,787,880
Gonad, sex gland inflammation	blue-turquoise-indigo-violet	+	10, 14	727,787,880
Gums, inflammation	use positive polarity on gums			
	blue-turquoise-indigo-violet	+	10, 14	20, 800, 5K
Hair, loss of	lemon-yellow-orange-red	+	10, 14	10K
	indigo			
Hay fever	blue-turquoise-indigo-violet	+	10, 14	5K
Headaches 4-24	indigo-violet-lemon-purple	+	10, 14, 1-4	20, 10K
Hangover	yellow-magenta-lemon-violet	+	1-10, 10, 14	10K
Heart palpitations to reduce: indigo		+	2-4, 10, 14, 2-11	10K
Heart, fast to reduce: indigo		+	2-11, 10, 14	
Heart, disorders				
myocarditis	magenta	1		5K
endocarditis	magenta	1		5K
pericarditis	magenta	1		5K
stenosis	magenta	1		5K
angina pectoris	magenta	1		5K
cardiac hypertrophy	magenta	1		5K
bradycardia	magenta-yellow	1		5K
tachycardia	magenta-green	1		5K
Hepatitis, liver	blue-turquoise-indigo-violet	+	1, 14, 2-5	727,728,880
inflammation	positive water every 3 hrs.			
Hemorrhoids	blue-turquoise-indigo-violet	+	10, 14	20, 800, 880
Herpes Zoster	blue-turquoise-indigo-violet	+	10, 14	1550
shingles				
Herpes water	green-lemon-yellow-orange-red	+	10, 14	1550
blisters				
Hives, urticaria	blue-turquoise-indigo-violet	+	10, 14, 6-40	1800
Hernia of disc	blue-turquoise-indigo-violet	+	5-11, 10, 14	10K
Hip pain	blue-turquoise-indigo-violet	+	5-12, 10, 14	5K
Head injury	Vitality up: blue-lemon-yellow-scarlet	2-9, 2-10		
	Vitality down: violet-indigo-green-purple	2-8		10K
Hiccoughs	orange-lemon-blue	+	1-3, 10, 14	20, 10K
Hallucinations	turquoise-magenta-blue-lemon	+	4-10, 10, 14	20, 5K
Head, pressure in, blue-turquoise-violet		+	4-12, 10, 14	20, 5K
Hysterical	yellow-green-magenta-purple	+	4-14, 10, 14	20, 5K
symptoms			4-15	
Hemorrhage	yellow-lemon-blue-green-indigo	+	10, 14	800, 10K
Hernia	yellow-lemon-blue-green-turquoise	+	+ to heal	5K
Hoarseness	blue-turquoise-indigo-violet	+	10, 14, 1	727,787,880
	gargle with apple-cider vinegar diluted 1 to 10 every hour			
Hydrocele	yellow-blue-magenta-green	+	10, 14, 13	10K
fluid in testicle, etc.				
Hyperacidity	lemon-blue-turquoise-violet	+	10, 14, 1	20, 10K
	drink positive water every 2 hrs. with whey (1 tsp)			
Hypoxia, low oxygen	yellow-blue-13mon-magenta	+	10, 14	10K
	orange; use positive on heart, negative on spleen hourly			

1	2	3	4	5
Hypoxia, labored breathing	Positive under right armpit toward body and negative under left armpit toward body for 30 minutes.			
Hypochondrium, upper abdomen.	blue-turquoise-indigo-violet	+ 10, 14, 1	20, 10K	
Hereditary sex derangement	purple	+ 14		5K
High fever, acute pyrexia	purple	+ 14		20
Hypertension	lemon-violet-yellow-purple	+ 1, 14	20, 10K	
Increasing height	green on pituitary	+ 8	10K	
Influenza	blue-turquoise-indigo-violet	+ 10, 14	800	
Indigestion	positive water every 2 hours yellow 2 hrs. after meals	+ 10, 14	3-20	5K
Infections	use positive on stomach & colon areas - 10 minutes yellow (avoid meat)-indigo-lemon-blue	3-13	20, 880	
Infantile paralysis	purple-green-violet	+ 10, 14,	728, 787	
Influenza	yellow-lemon-turquoise-indigo	+ 4-16, 10, 14	1500	
Insomnia	scarlet-green			
Irritability	blue-turquoise-indigo-violet	+ 6-31, 10, 14	20, 880	
Intercostal neuralgia	breast (colors as in influenza)	+ 4-18, 10, 14	5K	
Injuries	impotence	+ 1-2, 10, 14	10K	
	insomnia	+ 4-19	10	
	irritability	+ 4-20, 4-23	5K	
	intercostal	+ 3-14, 3-15, 14	800	
	neuralgia	use positive over injury to cancel pain	10K	
	injuries	blue-turquoise-indigo-violet	+ 10, 14	5K
		give warm foods only and positive water or drinks		
Intelligence	blue-indigo-magenta-violet	+ 1-24	20, 10K	
to increase	monogloid or retarded to normal	- 3 months approx.		
Intestines	blue-turquoise-indigo-violet	+ 4-25	727, 787, 880	
Inflammation	positive water every 2 hrs. (1X with acidophilus 1/2 tsp)	+ 4-25, 10, 14	5K	
itching of anus, blue				
toes and feet	positive water every 3 hours			
Ileocolitis, blue-turquoise-indigo-violet		+ 1-18, 10, 14	800	
colon inflammation				
Insufficient lactation	red-yellow-yellow & red-lactation childbed: orange on nipples	+ 1-19	10, 14	5K
Intestinal spasms	orange	+ 1-16, 14	5K	
Intestines	breath deep to get more oxygen in system			
to release	violet-red-orange-yellow	+ 10, 14, 6	800	
injection	positive on colon areas			
allergies	Green-violet-yellow	+ 10, 14, 6	10K	
Intoxication	yellow-violet-blue-lemon	+ 10, 6, 14	10K	
Jaundice	lemon-yellow-orange-red-violet	+ 14, 4-25	5K	
Joints	lemon-blue-yellow-green	+ 5-26, 5-27, 14	10K	
Inflamed	blue-turquoise-indigo-violet	- 5-13		
Lupus vulgaris	green-orange-turquoise-lemon	+ 3-13, 10, 14	800	
Kidney	scarlet-green-violet-indigo-blue	+ 10, 14,	20, 10K	
Knee - see Pains in the knee	5-20		800	
Liver	blue-turquoise-indigo-violet	+ 2-5, 3-19	728-787	
enlargement	negative on liver; drink positive fluids		880	
Leukoderma	blue-turquoise-indigo-violet	+ 6-40		
white skin patches				

1	2	3	4	5
Lumbago	blue-turquoise-indigo-violet	+ 5-4, 4-21	10K	
back pain		- 5		
Lack of conductivity	orange, yellow, lemon, scarlet	+ 1-1	20, 10K	
Lumbar vertebrae deformed	lemon-blue-turquoise-scarlet yellow	+ 5-15	10, 14	10K
Lymphatic depressant	violet	+ 14		5K
Leucocyte builder	violet	+ 14		5K
Lungs, breathing	lemon-green-yellow	1-16	+ 10, 14	728, 787, 880
Locomotor ataxia	green-yellow-lemon-violet	+ 1-1, 1-2		10K
muscle failure	magenta-scarlet			
Leprosy	lemon-yellow-orange-red-green	+ 1-1, 1-2	600, 10K	
Lymph glands	yellow, orange, turquoise-green	1-1, 1-2, 14	10K	
plugged, overloaded	scarlet	- 18, 20, 21		
Lassitude, weak, exhausted	lemon-yellow-orange-red-scarlet	+ 10, 14	20	
Leukorrhea, white	turquoise-indigo-violet	+ 10, 14	727, 787, 880	
Vagina discharge	green-yellow-blue			
Leukemia	see cancer			
Laxative, mild	lemon; sit on positive 2 hrs.	+ 10, 14	800	
Lower body temperature	purple			
Lower blood pressure	purple	positive on spleen		
(see blood pressure)				
Legs	green-purple-magenta-lemon-yellow	+ 10, 14	5-14	10K
if fever - blue-violet				
Malaria	purple	positive fluids every 2 hr. + 10, 14	20	
	apply energy 2X daily			
ALL CHILD DISORDERS				
Measles, smallpox, German measles, mumps, whooping cough, scarlet fever, diphtheria, chicken pox	positive fluids every 2 hours.			
Acute; skin eruptions	use turquoise			
Communicable use green; with fever use blue			728, 787, 880	
Green for 12 nights all night will generally clear them up				
Melancholia; yellow; if fever use blue; when normal use yellow				
Muscle repair	lemon and positive lime or lemon juice every 2 hrs.		5K	
Memory	purple, blue, magenta-indigo	+ 10, 14, 4-22	20, 10K	
See intelligence				
Mentally retarded - see intelligence		+ 1-24	10K	
Mental irritability	blue-purple-magenta-indigo-violet	+ 4-23	10, 14	20, 10K
Migrane	turquoise-lemon-yellow-green-blue	+ 4-24, 14, 8	20, 5K	
Mumps see measles above				
Meningitis	blue-turquoise-indigo-violet	+ 4-24, 10, 14	20, 5K	
Inflammation of meninges or the 3 membranes that enclose the brain and spinal cord: duramater, pia mater, & arachnoid		1-9		
Menses see amenorrhea, stoppage				
Multiple sclerosis	blue-turquoise-indigo-violet	+ 4-34, 10, 14	5K	
Motion sickness	blue-green-violet-lemon-yellow	+ 1-8, 10, 14	20, 10K	
Mongoloidism	indigo-violet-yellow-lemon-green	+ 1-24	10, 14	20, 5K
	magenta			
Mouth eruptions	see - eruptions around mouth			

1	2	3	4	5
Sleeping sickness	lemon-yellow-orange-red + scarlet-magenta	10, 14		20, 120
Smallpox	see measles			
Sore throat	blue-turquoise-indigo-violet +	1-6, 10, 14		728, 787, 880
Skin trouble	lemon-yellow-orange-red-green	2-13, 10, 14		20, 1500
Thrombosis	drink positive fluids every 3 hours			
Spleen:	increase activity - violet and negative polarity over spleen			
functions decrease activity - yellow and positive polarity over spleen				
Sexual	Magenta-purple-scarlet +	13, 10, 14		20, 10K
weakness, male and female		8, 4-42		
Sinusitis	see nose disorders			
Slipped disc	see hernia of disc			
Severe backache	see backache			
Sprains, twisted	blue-turquoise-indigo-violet +	5-27, 10, 14		20, 5K
joint, sprained muscles				
Stiff shoulder	yellow-turquoise-indigo-violet +	5-25, 10, 14		20, 10K
Stiff shoulder	blue-turquoise-indigo-violet +	5-29, 10, 14		20, 10K
bone				
Semiparalysis	yellow-green-blue-turquoise +	4-37, 4-38, 14		20, 5K
Stammering	blue-turquoise-green-yellow +	4-39, 10, 14		20, 10K
Stroke	blue-turquoise-indigo-violet-yellow	4-40, 10, 14		20, 10K
Skininess	see appetite, skininess, anorexia			
Stomach cramps	orange-magenta +	3-17, 10, 14		20, 10K
Sunstroke hot	blue-turquoise-indigo-violet +	10, 14		20, 10K
Sunstroke cold	lemon-yellow-orange-red +	10, 14		20, 10K
Stomach cramps				
neuralgia	orange-magenta-green-lemon +	3-18, 10, 14		20, 10K
Swelling stomach	blue-turquoise-indigo-violet +	3-19, 10, 14		20, 800
Sterility	see impotence, sexual weakness			
Syphilis:	use green front and back 2 weeks 1 hour each side daily	625		
	use lemon front and back 2 weeks 1 hour each side daily	20		
	avoid: +4 Wassermann test; Kahn test; Nuguchi test.			
Sty, styes	see eye droop of lid			
Sneezing	see convulsions			
Spermatorrhea	see sexual weakness			
Spleen enlargement	- yellow and positive polarity over spleen			20
Stiffness of neck	see neck			
Stones	indigo-lemon-orange-yellow-green-violet	10, 1, 14, 5		10K
	drink positive distilled water every 2 hours with lemon			
	use method 1 if in gallbladder; method 5 in kidney			
Swelling of	blue-turquoise-indigo-violet +	9, 10, 14		10K, 20
legs and feet	drink positive water every 2 hours with lemonade			
Smell, none	lemon-yellow-orange-red +	10, 14		20, 10K
anosmia				
Smell, morbid	blue-turquoise-indigo-violet +	10, 14		800, 10K
hyperosmia				
Spasm contraction due to muscle action	orange +	10, 14		20, 10K
Stimulates ovarian elimination - scarlet	+ 10, 14			20, 5K
Suprarenal stimulant - magenta	+ 10, 14			20, 5K
Sedative induces sleep	purple + 10, 14 + on spleen			
Sooths suffering	purple + 10, 14 + on pain			
Stops excessive menstruation - indigo	+ 10, 14 + on uterus			
Scurvy out	lemon +	10, 14		5K
Spongy gums	lemon +	10, 14		800, 10K

1	2	3	4	5
Skin hemorrhages	lemon +	10, 14		800, 5K
Sex polarity balance	magenta-purple-scarlet +	8, 1-2		10K
Solar plexus	yellow-lemon-magenta-scarlet +	10, 14, 8, 7		20, 5K
abdominal brain	drink positive fluids every 2 hours for good health			
Streptococcus	blue-turquoise-indigo-violet +	9, 10, 14		880
infections	green			
Staphylococcus	blue-turquoise-indigo-violet +	9, 10, 14		727
infections	green			
Streptothrix	blue-turquoise-indigo-violet-green	9, 10, 14		787
infections of actinomyces, streptomyces & nocardia (soil bacteria)				
(ray fungus) from cattle and swine and sometimes in man				
Surgery	magenta-purple-green-lemon- +	9, 10, 14		727, 787, 880
	turquoise-violet-indigo fluid every 2 hours;			
	positive fluids and food; lemon juice on skin			
Sndrome disorders	blue-turquoise-indigo-violet +	10, 14		20, 10K
morbid state of many symptoms				
Throat inflammation	see esophagus			
Tonsillitis	blue-turquoise-indigo-violet +	10, 14		20, 880
tonsil inflammation	avoid cold negative things	6-38		727, 787
Toothache	blue-turquoise-indigo-violet +	6-37		727, 787, 880
	use positive polarity on ache to stop pain			
Tuberculosis	orange +	7, 10, 14		800, 1550, 20
Typhoid fever	blue-turquoise-indigo-violet +	7, 10, 14		20, 690, 1570
	use positive fluids every 2 hours - on T.B. also			
Trauma, heart	magenta-purple-blue-yellow +	7, 10, 14		10K
injury, shock	lemon-green	2-14		
Tissue nutrition	lemon +	7, 10, 14		5K
Thymus gland stimulant	yellow +	7, 10, 14		20, 5K
Taste, none	lemon-yellow-orange-red +	7, 10, 14		20, 10K
anosmia				
Taste, morbid	blue-turquoise-indigo-violet +	7, 10, 14		20, 10K
hyperosmia				
Tumors	see cancer reduce out with negative polarity and			
any kind	lemon on body; indigo on tumor localized			
Thalamus, sensory				
relay center	green, magenta, indigo, yellow +	10, 14		20, 5K
Thrombosis, heart	violet-indigo +	10, 14		20, 800, 5K
blood clot	yellow-blue-lemon-turquoise			
Trachoma, eye	blue-turquoise-indigo-violet +	10, 14		727, 787, 880
inflammation				
Ulcers	blue-turquoise-indigo-violet +	3-12		727, 787, 880
Peptic	lemon-green-yellow-purple	18, 10, 14		776
Gastric, duodenal, diabetic, dental, gouty, pneumococcus, chancroid				
and many others				
Urticaria	see hives			
Urethritis	blue-turquoise-indigo-violet +	13, 6-39-10-14		880
urethra inflammation				660, 727, 787
Unconscious	lemon-yellow-orange-red +	4-41, 6, 8, 10, 14		20
Weak stomach	blue-turquoise-indigo-violet +	3-11, 10, 14		20, 10K
heartburn				
Whiplash	blue-orange-scarlet-lemon-yellow	5-30, 10, 14		20, 10K
Yellow fever	blue-turquoise-indigo-violet +	9, 10, 14		20, 10K
Worms, parasites	yellow +	10, 14, 20, 120, 800		

1	2	3	4	5
Muscles, heart, arm	purple-scarlet-magenta blue-lemon-green	+ 5-16, 10, 14	5K	
Muscular dystrophy	yellow-lemon-magenta-green	+ 6-17, 10, 14	5K	
Mucous, mucus	green-yellow-lemon-indigo	4-26 + 4-25, 10, 14	800	
Moth patches see urticaria		+ 6-40, 10, 14	20,800	
Meniere's disease see Ears, hard to hear		6-4		
Nephritis, kidney	blue-turquoise-indigo-violet	+ 10, 14	20, 10K	
inflammation	positive fluid lemonade every 2 hrs.			
Nausea	orange-turquoise-blue-lemon	+ 3-16, 10, 14	5K	
Neuritis, nerves	blue-turquoise-indigo-violet	+ 1-23, 10, 14	10K	
inflammation				
Neurosis	yellow-purple-indigo-green	+ 4-28, 10, 14	10K	
Neuralgia, arms	orange-violet-turquoise-green-scarlet-yellow	+ 4-27, 10, 14	10K	
Nocturnal emission	lemon-blue-turquoise-purple	+ 4-31, 10, 14	5K	
Nerves, inflammation see neuritis				
Neurasthenia	red-lemon-magenta-yellow-violet	+ 4-23, 10, 14	5K	
fatigued				
Nerve, motor				
depressant	violet (+ on spleen 2 minutes)	+		
Neck	indigo-violet-turquoise-lemon	+ 5-18, 10, 14	5K	
Numbness, arms, fingers	yellow-indigo-turquoise-lemon	+ 4-33, 10, 14	20,5K	
Nicotine poison	yellow-lemon-magenta-purple	+ 10, 14	10K	
Nipples, sore	green-red-yellow-yellow & red	+ 10, 14	5K	
Nose disorders	green-blue-turquoise-indigo-violet	+ 6-31, 10, 14	880	
		6-32	727,787	
Neutralize acid	turquoise, yellow			
Obesity	use strong negative magnets on each hip - lose 1 lb. per day - wear all day every day	+ 1-20, 10, 14	10K	
Ovaries	lemon-yellow-indigo-magenta-scarlet lemon-scarlet-blue-turquoise	+ 6-30, 10, 14	880	
	indigo-violet		727,787	
Obsessive fears	scarlet-lemon-indigo-turquoise	+ 1-22, 10, 14	10K	
	blue			
Osteomyelitis	lemon-green-scarlet-orange-yellow	5-19, 10, 14	5K	
Oral inflammation	blue-turquoise-indigo-violet	+ 2-16, 10, 14		
Orchitis, testes	blue-turquoise-indigo-violet	+ 2-16, 10, 14	800	
Inflammation	use negative magnet to reduce inflammation			
Osteoarthritis	blue-turquoise-indigo-violet	+ 2-16, 10, 14	1500	
Joint trouble				
Occipital neuralgia	blue-turquoise-indigo-violet	+ 4-30 10, 14	5K	
		5-18		
Operations, before:	polarize positive all instruments and body	727-787		
	contacts to remove negative polarity that can destroy	880		
	use green-turquoise as germicide and antiseptic	20		
Organ disorders	use negative on spleen 3 minutes to give oxygen			
Pain, paralysis	yellow-green-blue-turquoise	+ 4-35, 10, 14	727,787	
to remove	indigo-violet	4-37	880	
Pain, to remove -	use positive polarities on both sides of area			
Poor appetite	blue-turquoise-indigo-violet	+ 2-12, 10, 14	10K	
Polyps, growths	yellow-indigo-lemon-violet-blue	+ 4-36, 10, 14	2128	
Prostate gland	blue-turquoise-indigo-violet	+ 6-33, 6-34, 14	5K	
Ptosis see droop of eyelid				
Parathyroid: indigo to energise; orange to depress				

1	2	3	4	5
Pancreas, disorder	blue-turquoise-indigo-violet	+ 10, 14	727,787,880	
Pains after operations	use positive polarity, both sides			
Pyorrhea and trench mouth	blue-turquoise-indigo-violet	+ 6-35, 10, 14	20	
	green			
Pelvic disorders	blue-turquoise-indigo-violet	+ 6-39, 10, 14	660	
in male; female	green-lemon		20,1500	
Peritonitis	blue-turquoise-indigo-violet	+ 10, 14	727,787,880	
inflammation of peritoneum				
Pharyngitis,	blue-turquoise-indigo-violet	+ 10, 14	727,787,880	
inflammation of pharynx -	gargle with positive apple cider vinegar diluted 1 to 10 of water			
Piles see hemorrhoids				
Pleurisy	blue-turquoise-indigo-violet	+ 3-13, 10, 14	20, 5K	
Pneumonia	blue-turquoise-indigo-violet	+ 3-13, 10, 14	20, 5K	
Poor circulation	magenta-green-scarlet-indigo	10, 14	20, 10K	
	purple-lemon-yellow-turquoise			
Pericarditis	blue-turquoise-indigo-violet	+ 10, 14	727,787,880	
inflamed heart covering				
Pruritis anus	see anus itching			
Intense itching				
Psoriasis, skin	blue-turquoise-indigo-violet	+ 6-40, 10, 14	20,5K	
trouble, red patches	lemon-yellow-orange-red			
Pains in the knee	blue-turquoise-indigo-violet	+ 5-20, 10, 14	20,10K	
Poliomyelitis	see infantile paralysis			
Pox, chicken	see measles			
Poison, botulism,	drink polarized positive water then orange			
ptomaine, drugs	irradiation to cause vomiting			
Bone builder	lemon positive to heal in 2 days with polarizers			
Placenta, to expel or afterbirth -	use scarlet			
Pin worms, any worms:	yellow; avoid meat or fish	+ 10, 14	20, 120, 800	
or Parasites				
Persistent disorders	lemon	+ 10, 14	20,120	
swept out; Phagocyte builder -	indigo			
Ringworm	see pin worms above	+ 1, 5	20,120	
Rheumatism	green-blue-turquoise-indigo-violet	+ 5-21, 10, 14	10K	
		5-22		
Rheumatoid arthritis	green-blue-turquoise-indigo-violet-yellow-lemon	+ 5-23, 10, 14	10K	
		5-1, 5-2, 17		
Rabies	blue-turquoise-indigo-violet	+ 10, 14, 18, 21	20,120	
Raynaud's disease	see gangrene			
Rickets	orange-turquoise-yellow-lemon	+ 5-24, 10, 14	5K	
Rhinitis	blue-turquoise-indigo-violet	+ 4-25, 10, 14	20,120	
Restores blood equilibrium -	purple-			
Scarlet fever	see measles			
Sciatica nerve	blue-turquoise-indigo-violet	+ 4-43, 10, 14	20,120	
inflammation				
Sexual diseases	see gonorrhea, syphilis			
Shell shock	lemon-yellow-orange-red-blue	+ 4-37, 10, 14	20,120	
Shingles	see herpes zoster			
Sinus disorders	blue-turquoise-indigo-violet	+ 3-13, 10, 14	20,120	
Sleeplessness	see insomnia			
Spondylitis	blue-turquoise-indigo-violet	+ 10, 14	800,880,1560	

1	2	3	4	5
Sleeping sickness	lemon-yellow-orange-red + 10, 14	20, 120		
	scarlet-magenta			
Smallpox	see measles			
Sore throat	blue-turquoise-indigo-violet + 1-6, 10, 14	728, 787, 880		
Skin trouble	lemon-yellow-orange-red-green 2-13, 10, 14	20, 1500		
thrombosis	drink positive fluids every 3 hours			
Spleen:	increase activity - violet and negative polarity over spleen			
functions decrease activity - yellow and positive polarity over spleen				
Sexual	Magenta-purple-scarlet + 13, 10, 14	20, 10K		
weakness, male and female	8, 4-42			
Sinusitis	see nose disorders			
Slipped disc	see hernia of disc			
Severe backache	see backache			
Sprains, twisted	blue-turquoise-indigo-violet 5-27, 10, 14	20, 5K		
joint, sprained muscles	+			
Stiff shoulder	yellow-turquoise-indigo-violet 5-25, 10, 14	20, 10K		
Stiff shoulder	blue-turquoise-indigo-violet + 5-29, 10, 14	20, 10K		
bone				
Semiparalysis	yellow-green-blue-turquoise + 4-37, 4-38, 14	20, 5K		
Stammering	blue-turquoise-green-yellow + 4-39, 10, 14	20, 10K		
Stroke	blue-turquoise-indigo-violet-yellow 4-40, 10, 14	20, 10K		
Skininess	see appetite, skininess, anaroxia			
Stomach cramps	orange-magenta + 3-17, 10, 14	20, 10K		
Sunstroke hot	blue-turquoise-indigo-violet + 10, 14	20, 10K		
Sunstroke cold	lemon-yellow-orange-red + 10, 14	20, 10K		
Stomach cramps				
neuralgia	orange-magenta-green-lemon + 3-18, 10, 14	20, 10K		
Swelling stomach	blue-turquoise-indigo-violet + 3-19, 10, 14	20, 800		
Sterility	see impotence, sexual weakness			
Syphilis:	use green front and back 2 weeks 1 hour each side daily	625		
	use lemon front and back 2 weeks 1 hour each side daily	20		
	avoid: +4 Wassermann test; Kahn test; Nuguchi test.			
Sty, styes	see eye droop of lid			
Sneezing	see convulsions			
Spermatorrhea	see sexual weakness			
Spleen enlargement	- yellow and positive polarity over spleen	20		
Stiffness of neck	see neck			
Stones	indigo-lemon-orange-yellow-green-violet 10, 1, 14, 5	10K		
	drink positive distilled water every 2 hours with lemon			
	use method 1 if in gallbladder; method 5 in kidney			
Swelling of	blue-turquoise-indigo-violet + 9, 10, 14	10K, 20		
legs and feet	drink positive water every 2 hours with lemonade			
Smell, none	lemon-yellow-orange-red + 10, 14	20, 10K		
anosmia				
Smell, morbid	blue-turquoise-indigo-violet + 10, 14	800, 10K		
hyperosmia				
Spasm contraction due to muscle action	orange + 10, 14	20, 10K		
Stimulates ovarian elimination - scarlet	+ 10, 14	20, 5K		
Suprarenal stimulant - magenta	+ 10, 14	20, 5K		
Sedative induces sleep	purple + 10, 14 + on spleen			
Sooths suffering	purple + 10, 14 + on pain			
Stops excessive menstruation - indigo	+ 10, 14 + on uterus			
Scurvy out	lemon + 10, 14	5K		
Spongy gums	lemon + 10, 14	800, 10K		

1	2	3	4	5
Skin hemorrhages	lemon + 10, 14	800, 5K		
Sex polarity balance	magenta-purple-scarlet + 8, 1-2	10K		
Solar plexus	yellow-lemon-magenta-scarlet + 10, 14, 8, 7	20, 5K		
abdominal drain	drink positive fluids every 2 hours for good health			
Streptococcus	blue-turquoise-indigo-violet + 9, 10, 14	880		
infections	green			
Staphylococcus	blue-turquoise-indigo-violet + 9, 10, 14	727		
infections	green			
Streptothrix	blue-turquoise-indigo-violet-green 9, 10, 14	787		
infections of actinomyces, streptomyces & nocardia (soil bacteria)				
(ray fungus) from cattle and swine and sometimes in man				
Surgery	magenta-purple-green-lemon- + 9, 10, 14	727, 787, 880		
	turquoise-violet-indigo fluid every 2 hours;			
	positive fluids and food; lemon juice on skin			
Sndrome disorders	blue-turquoise-indigo-violet + 10, 14	20, 10K		
morbid state of many symptoms				
Throat inflammation	see esophagus			
Tonsillitis	blue-turquoise-indigo-violet + 10, 14	20, 880		
tonsil inflammation	avoid cold negative things 6-38	727, 787		
Toothache	blue-turquoise-indigo-violet + 6-37	727, 787, 880		
	use positive polarity on ache to stop pain			
Tuberculosis	orange + 7, 10, 14	800, 1550, 20		
Typhoid fever	blue-turquoise-indigo-violet + 7, 10, 14	20, 690, 1570		
	use positive fluids every 2 hours - on T.B. also			
Trauma, heart	magenta-purple-blue-yellow + 7, 10, 14	10K		
injury, shock	lemon-green 2-14			
Tissue nutrition	lemon + 7, 10, 14	5K		
Thymus gland stimulant	yellow + 7, 10, 14	20, 5K		
Taste, none	lemon-yellow-orange-red + 7, 10, 14	20, 10K		
anosmia				
Taste, morbid	blue-turquoise-indigo-violet + 7, 10, 14	20, 10K		
hyerosmia				
Tumors	see cancer reduce out with negative polarity and			
any kind	lemon on body; indigo on tumor localized			
Thalamus, sensory				
relay center	green, magenta, indigo, yellow + 10, 14	20, 5K		
Thrombosis, heart	violet-indigo + 10, 14	20, 800, 5K		
blood clot	yellow-blue-lemon-turquoise			
Trachoma, eye	blue-turquoise-indigo-violet + 10, 14	727, 787, 880		
inflammation				
Ulcers	blue-turquoise-indigo-violet + 3-12	727, 787, 880		
Peptic	lemon-green-yellow-purple 18, 10, 14	776		
Gastric, duodenal, diabetic, dental, gouty, pneumococcus, chanchroid				
and many others				
Urticaria	see hives			
Urethritis	blue-turquoise-indigo-violet + 13, 6-39-10-14	880		
urethra inflammation		660, 727, 787		
Unconscious	lemon-yellow-orange-red + 4-41; 6, 8, 10, 14	20		
Weak stomach	blue-turquoise-indigo-violet + 3-11, 10, 14	20, 10K		
heartburn				
Whiplash	blue-orange-scarlet-lemon-yellow 5-30, 10, 14	20, 10K		
Yellow fever	blue-turquoise-indigo-violet + 9, 10, 14	20, 10K		
Worms, parasites	yellow + 10, 14, 20, 120, 800			

RIFE FREQUENCY LIST

These frequencies represent the mortal oscillatory rate of the diseases or conditions described. The frequencies are actually the repetition of pulsed square waves to achieve resonance with the disease organism, germ or virus in question. Of course this list represents simply the experimental findings of a number of researchers and should not be construed to be medical fact. Persons utilizing these frequencies must be aware of the essential experimental nature of this technology and if any real health danger is present, then it is recommended to see a medical doctor!

Often several frequencies are listed for the same condition. Typically one frequency will be in the E.L.F. range (1-32 Hz, that of human brainwaves). Often one frequency will be the harmonic or octave of the previous frequency. Obviously the study of which frequencies have what experimental effects is a fruitful field for further research!

The main portion of this list was allegedly discovered by Royal R. Rife in conjunction with his microscope studies. We are indebted to John Crane for preserving this data and adding to it with the publication of his Polarity Research Manual. More recently we are indebted to researchers such as Ed Skilling, Bob Beck, Lowell Pope, Mark Simpson, Charles McWilliams, Bud Curtis and others who have valiantly endeavored to add to our knowledge.

CONDITION	FREQUENCY*
Abdominal pain -----	5000; 10,000
Acne-----	727; 787; 880; 5000
Adenoids-----	727; 787; 880
A.I.D.S.-----	727; 787; 880; 2489; 5000; 31000; 31750; 34750
Allergies-----	5000
Alopecia, Hair loss-----	10000
Anemia-----	5000
Aneurism-----	20
Antiseptic-----	727; 787; 880
Anus itch-----	20; 10000
Aphthae thrush-----	727; 787; 880
Arteriosclerosis-----	20; 5000
Arthritis-----	727; 787; 880; 2720; 10000
Asthma-----	727; 787; 880
Backache-----	10000
Bites from insects-----	727; 880
Blood pressure, high-----	10000
Blood pressure, low-----	20
Boils-----	20; 727; 787; 880; 5000

* All frequencies in Hertz or cycles per second

RIFE FREQUENCY LIST

CONDITION	FREQUENCY
Bronchitis-----	727; 880
Bronco Pneumonia-----	727; 776; 880
Bubonic Plague-----	20; 500; 5000
Bone regeneration-----	2720
Bones, broken-----	10000
Cancer-----	666; 690; 727; 2127
Cancer, Breast-----	2008; 2128
Cancer, Carcinoma-----	2127
Cancer, Sarcoma-----	2008
Candida-----	450; 465
Catarrh, Mucous inflammation-----	20; 880
Cataract-----	5000; 10000
Chicken Pox-----	20; 727; 787; 880
Colic-----	800
Colds, head or chest-----	728; 787; 880; 5000
Colitis-----	800; 10000
Conjunctivitis-----	728; 880
Constipation-----	800
Cramps-----	10000
Cerebral Palsy-----	10000
Dandruff, scales-----	5000
Deafness-----	20; 800; 10000
Diabetes-----	10000
Diarrhea and Dysentary-----	5000
Diphtheria-----	20; 727; 787; 880;
Drug Addiction-----	20
Duodenal Ulcer-----	727; 880; 10000
Ears, ringing-----	20; 5000
Earache, ear discharge-----	5000; 10000
E. coli-----	802
Eczema, skin problems-----	5000
Enlarged glands-----	10000
Eye problems-----	20; 5000; 10000
Fever-----	20; 5000
Flu-----	727; 787; 800; 880
Food poisoning-----	10000

RIFE FREQUENCY LIST

CONDITION	FREQUENCY
Gall Bladder-----	20; 5000
Gall stones-----	20
Gangrene-----	20; 727; 787; 880
German Measles-----	728; 787; 880
Glaucoma-----	1600
Goiter-----	20; 5000
Gout-----	20; 10000
Gonorrhea-----	660
Grippe, Influenza-----	727; 787; 880
Gums, bleeding or inflamed-----	20; 880; 5000
Hair loss-----	20; 800; 5000; 10000
Hay fever-----	5000
Headaches-----	20; 10000
Heart disorders-----	5000
Hemorrhoids-----	20; 800; 880
Herpes Zoster, Shingles-----	1550
Herpes-----	1550
Hepatitis-----	727; 787; 880
Hives-----	1800
Hernia-----	5000
Infections-----	20; 727; 787; 880
Influenza-----	20; 880
Infantile Paralysis-----	1500
Insomnia-----	10000
Ileocolitis, colon inflammation-----	800
Jaundice-----	5000
Joint inflammation-----	10000
Kidney-----	20; 10000
Knee-----	800
Laxative-----	800
Leukemia-----	2127
Malaria-----	20
Measles, Mumps-----	728; 787; 880
Meningitis-----	20; 5000
Multiple Sclerosis-----	5000
Muscular dystrophy-----	5000

RIFE FREQUENCY LIST

CONDITION	FREQUENCY
Mumps-----	727; 787; 880
Nausea-----	5000
Neuritis, Nerve inflammation-----	10000
Neuralgia-----	10000
Neck-----	5000
Obesity-----	10000
Ovaries-----	727; 787; 880
Osteomyelitis-----	5000
Parasites, worms-----	20; 60; 80; 120; 125; 440;
Pancreas-----	727; 787; 880
Peritonitis-----	727; 787; 800
Pharyngitis-----	727; 787; 880
Pleurisy-----	20; 5000
Psoriasis-----	20; 5000
Pneumonia-----	20; 5000
Polioomyelitis-----	1500; 5000; 10000
Rabies-----	20; 120
Rheumatism-----	10000
Rheumatoid Arthritis-----	10000
Rickets-----	5000
Rhinitis-----	20; 120
Ringworm-----	20; 80; 120
Sciaticia nerve inflammation-----	20; 120
Scurvy-----	5000
Shingles-----	1550
Scarlet Fever-----	728; 787; 880
Sinus-----	20; 120
Smallpox-----	727; 787; 880
Streptococcus infections-----	880
Staphylococcus infections-----	727
Streptothrix infections-----	727; 728; 784; 787
Syphilis-----	20; 120; 625; 650; 659; 700
Tetanus-----	20; 400
Thalamus-----	20; 5000
Tonsillitis-----	20; 880
Toothache-----	727; 787; 880
Tuberculosis-----	20; 800; 1500

RIFE FREQUENCY LIST

CONDITION	FREQUENCY
Typhoid-----	20; 690; 1570; 1865
Trachoma, eye inflammation-----	727; 787; 880
Ulcers-----	727; 776; 787; 880
Urethritis-----	660; 727; 787; 880
Whooping cough-----	728; 787; 880
Worms, parasites-----	20; 120; 800
Yellow Fever-----	20; 10000

It is obvious from this list that several frequencies occur time and again for different conditions. Also apparent is that several frequencies (typically 5000 Hz and 10000 Hz) are being listed (mainly by John Crane) for their general purpose stimulation effects rather than the mortal oscillatory rate effect as originally discovered by Royal R. Rife.

This list should be used as a general guideline to point the way in the new field of frequency research. As in any new field of science, experimental subjects should be in good health (or reasonably good health). If a medical condition is present, then the concerned persons should seek competent treatment from a licensed physician!

RIFE FREQUENCIES

ALPHATRONICS CO.

ADDENDUM, JULY 1991

Disorder	Electromagnetic Hertz
Adenoid Glands	20, 440, 880
Adrenal (Near Kidneys)	10
AIDS	2489, 31K, 31750, 34750
Apoplexy; Paralysis	20
Appendix	10, 440, 880
Blood (over heart area)	20, 1100, 2200
Bone Regeneration	2720
Brain Waves - Alpha State	13, 15, 18
Brain Waves - Beta State	14, 22, 30
Brain Waves - Delta State	5, 1.8, 3.5
Brain Waves - Theta State	4, 5.5, 7
Brain	20, 1000, 2000
Carcinoma Virus	2120, 2130
Colon	20, 440, 880
Cramps	26
Ears	20, 440, 880
Epsstein Barr	660, 727, 787
Eyes	20
Fever; Sunstroke	20, 440, 880
Heart	20, 81, 162
Kidneys	8, 440, 880
Large Intestine	10, 440, 880
Larynx	20, 440, 880
Lungs	9
Lymph Glands	10, 440, 880
Muscles	20, 120, 240
Nose	20, 440, 880
Ovaries	1, 440, 880
Pancreas	15
Parasites	440
Pineal	20
Pneumonia	770, 780
Prostrate	20, 1000, 2000
Pulse, Men	70, 36, 72
Pulse, Women	78, 41, 82
Sarcoma Virus	2000, 2100, ,
Small Intestine	10, 440, 880
Spleen (left side under arm)	20
Staphylococcus	875, 880, 885
Stomach	20
Streptococcus	875, 880, 885
Streptothrix (fungi)	781, 730
Stroke	20
Syphilis; Gonorrhea	600, 650, 700

FOR RESEARCH PURPOSES ONLY. NO MEDICAL CLAIMS MADE OR IMPLIED.

RIFE FREQUENCIES

ALPHATRONICS CO.

ADDENDUM, JULY 1991
KILLING MICROORGANISMS WITH FREQUENCY

Disorder	Electromagnetic Hertz
Acne	727, 787, 880
Actinomycoais	
AIDS	2489, 727, 787, 880, 5000
Anthrax	
Antiseptic	727, 787, 880
Bacillus Coli	
Boils	727, 787, 800
Bronchitis	727, 880
Bubonic Plague	20, 500, 5K
Cancer, Breast	2008, 2128 - 3 min, every 3 days
Cancer, Carcinoma	2127 - 3 min every 3 days
Cancer, Leukemia	2127 - 3 min every 3 days
Cancer, Sarcoma	2008 - 3 min every 3 days
Cataract, non-diabetic	10K
Catarrh inflammation	880, 20
Chicken Pox	728, 787, 880
Cholera Spirillum	
Coli Virus	
Contagious Conjunctivitis	728, 880
Diarrhea	5K
Diphtheria	20, 727, 787, 880
Dropsy	10K
Dysentery	5K
E-Coli	802
Eye, Glaucoma	1600
Eyelid Swelling	787
German Measles	728, 787, 880
Glanders	
Gonorrhea	660
Hepatitis	727, 728, 880
Herpes Virus	1500
Herpes Zoster	1500
Infantile Paralysis	1500, 5K, 10K - 30 min, every 3 days
Influenza	800
Insect Bites	727, 880
Leprosy	600, 10K
Lupis Vulgaris	800
Malaria	728, 787, 880

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RIFE FREQUENCIES

ALPHATRONICS CO.

Disorder	Electromagnetic Hertz
Measles	728, 787, 880
Multiple Sclerosis	5K
Mumps	728, 787, 880
Pneumonia	20, 775, 5000
Polio-myelitis	1500, 5K, 10K - 30 min, every 3 days
Scarlet Fever	728, 787, 880
Smallpox	728, 787, 880
Spinal Meningitis	20, 5000
Staphylococcus	727
Streptococcus	880
Streptothrix (Fungi)	787
Symptomatic Anthrax	
Syphilis	20, 625, 650
Tetanus	
Tooth Decay	20, 10K
Tuberculosis Rod	802
Tuberculosis Virus	20, 800, 1550
Typhoid	20, 690, 1570
Typhoid Virus	20, 690, 1570
Typhus Muris	
Whooping Cough	728, 787, 880
Worms (microscopic)	60 to 125 (100)

RIFE FREQUENCIES

ALPHATRONICS CO.

Disorder	Electromagnetic Hertz
Testes	1, 440, 880
Thyphoid Virus	1500, 1600
Thyroid	20, 80, 160
Tonsils	20, 440, 880
Tuberculosis Rod; E-Coli	799, 804
Tuberculosis Virus	1500, 1600
Worms	60, 125

Mr. Lowell K. Pope is no longer known as Alphatronics Inc. Mr. Pope claims to have "the most complete list of Rife frequencies available". This is not the entire Pope list. This is only two addendum pages. I have yet to see the entire Pope list. Many of the newer numbers came out after Rife's death. A.I.D.S., for example was not around in Rife's day. None of the numbers have been demonstrated to kill microbes under microscope trials. This goes for all "Rife frequency lists". (M.S.)

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FOR RESEARCH PURPOSES ONLY. NO MEDICAL CLAIMS MADE OR IMPLIED.

SYLVANIA**GTE**

Germicidal and Short-Wave Ultraviolet Radiation

The first four of fifteen pages of this fascinating bulletin. Ultraviolet by itself was not the Rife way. Ultraviolet by itself cannot penetrate skin very deeply. Included for the general information.

Bulletin 0-342

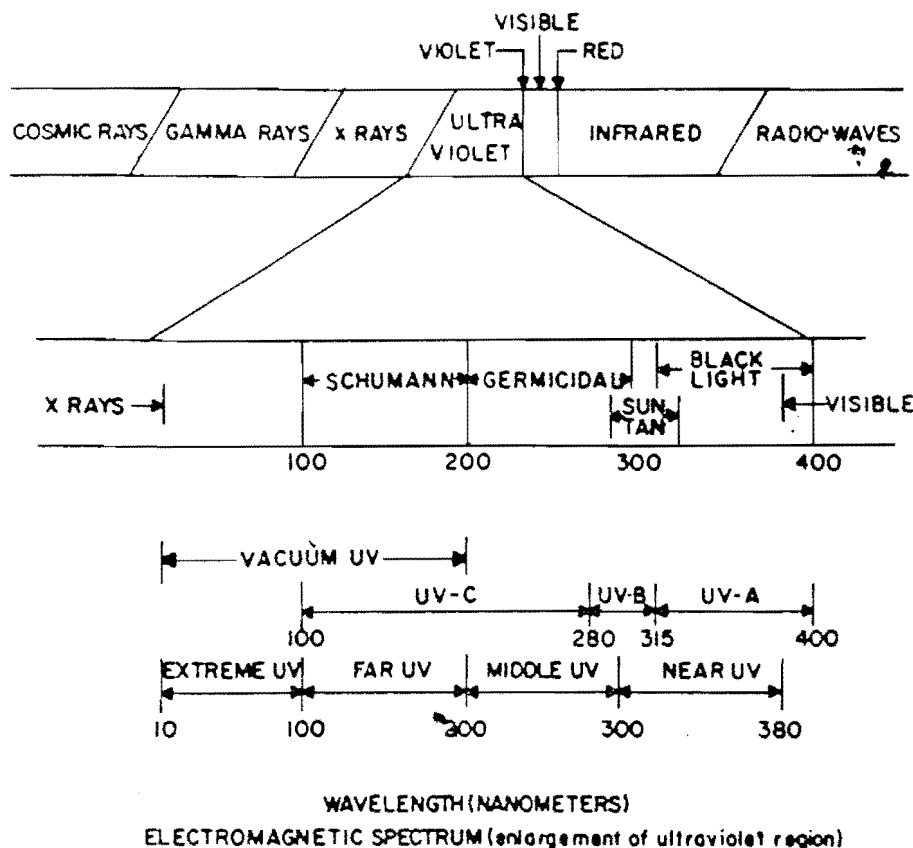


Figure 1

Germicidal and Short-Wave Ultraviolet Radiation

Radiant energy from the sun may be divided into three broad bands: long-wave or infrared energy such as heat, which is invisible; visible energy which produces light and color; and short-wave energy such as invisible ultraviolet. As shown in Figure 1, it is the ultraviolet radiation between 220 and 300 nanometers that is germicidal in effect; i.e., it destroys bacteria, mold, yeast, and virus. Practically none of the solar ultraviolet energy below 295 nanometers can reach the earth's surface due to absorption in the ozone

layer of the upper atmosphere. Although the percentage of ultraviolet energy in sunlight is small, there is still appreciable energy in the shorter wavelengths. The germicidal effectiveness of sunlight varies enormously with the hour of the day and also with the seasons. Germicidal lamps, however, make ultraviolet energy available with controllable limits regardless of natural environmental conditions.

Germicidal Lamps

Germicidal lamps are electrically the same as fluorescent lamps of corresponding sizes and wattages and

PREFACE

The information presented in this bulletin is based on research and data available at the time of publication.

It is, however, beyond the scope of this bulletin to review the entire field of ultraviolet radiation. Only basic data and current application concepts will be discussed.

The end user should always consult current literature for proven application data on ultraviolet radiation. It is essential that the end user should read the precaution notices on the proper application of the ultraviolet lamps to insure adequate safety.

require essentially the same auxiliary equipment. These lamps differ physically from fluorescent lamps in that they contain no phosphor and are constructed with a special type of glass to permit maximum emission of germicidal ultraviolet energy. The glass used in ordinary fluorescent lamps filters out all germicidal ultraviolet energy. The physical and electrical characteristics of the germicidal lamps are shown in Table I.

The most practical method of generating germicidal radiation is by passage of an electric discharge through a low-pressure mercury vapor. About 95% of the ultraviolet energy is radiated in the 253.7 nanometer line. This is in the wavelength region of greatest germicidal efficacy. Typical spectral power distribution for the tubular germicidal lamps, showing the principal radiation, is illustrated in Figure 2.

PRINCIPAL RADIATION OF THE G30T8 GERMICIDAL LAMP

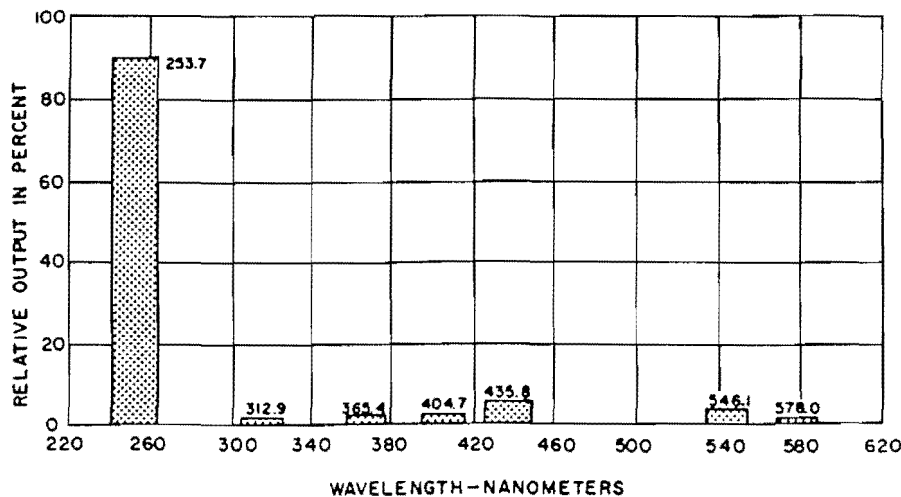


Figure 2. The mercury line at 253.7 nm accounts for approximately 90% of the energy radiated in the 250 - 600 nm region. The G15T8 and G8T5 Germicidal Lamps have spectral power distributions similar to the graph shown.

TABLE I. GERMICIDAL LAMP DATA¹

Description	G8T5	G15T8	G30T8
Rated Power (watts)	8	15	30
Bulb Base	T5	T8	T8
Nominal Lamp Length (inches)	Min. Bipin 12	Med. Bipin 18	Med. Bipin 36
Nominal Arc Length (inches)	8½	14	32
Rated Life (hours)	7500	7500	7500
253.7 nm Output (watts) ²	1.4	3.3	8.2
253.7 nm Power Density at One Meter (microwatt per cm ²) ^{2,3}	15	35	80
Approximate Lamp Amperes	0.15	0.30	0.35
Approximate Lamp Volts	57	56	100

1. The life and radiant power of these lamps are based on operation with ballasts providing the proper operating characteristics.

2. On line perpendicular to lamp axis through lamp center.

3. 100 hour value.

The majority of germicidal lamps operate most efficiently in still air at an ambient temperature of 77°F. These are the conditions under which the ultraviolet output is measured and tabulated. The ultraviolet output, and consequently the germicidal effectiveness of these lamps decreases at temperatures above or below this optimum temperature. Lamps operating in a room at 40°F produce only about two-thirds to three-fourths as much ultraviolet power as at

77°F. If a lamp is cooled by air currents or by submersion in a liquid, the ultraviolet output similarly decreases. Typical maintenance of germicidal lamp types is shown in Fig. 3. While maintenance is a direct function of burning hours, dust collecting on the tube and reflecting surfaces can easily double the loss as determined at the irradiated surface.

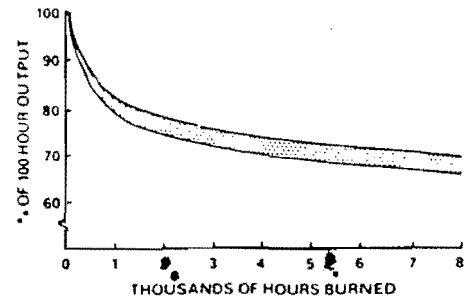


Figure 3. Typical maintenance characteristics for germicidal lamps.

Sylvania Germicidal Lamps

Sylvania germicidal lamps are available in three wattages.

A complete description of all three lamp types is included in Table I. The 8, 15, and 30 watt sizes are designed to operate with standard fluorescent lamp equipment of corresponding size.

Need for Germicidal Lamps

"Fresh air" always has been considered beneficial. Indoors, however, the air can be relatively stagnant or have poor circulation, particularly during cold weather. Also, it can be contaminated with germs from human beings. Under such conditions, air can be a means of carrying infectious organisms into the body.

Bacteria and mold spores in the air can cause considerable damage to products in a wide variety of industries. This damage takes the form of spoilage and contamination. In addition to the costs resulting from such damage, there are costs of added maintenance and refrigeration, plus the ever-present threat to the health of consumers of the affected products. Product sanitation obviously is of vital importance.

Safety Precautions

It is essential that adequate precautions be taken in any application of germicidal lamps. Prolonged exposures to high intensities of ultraviolet radiation can cause temporary, but painful inflammation of the conjunctiva (inflammation of the outer membrane of the eye), as well as histological effects in the cornea, iris,

and lens of the eye. In extreme cases, permanent harmful effects can occur. Reddening or even burning of the skin (erythema), similar to sunburn, will be caused by excessive exposure to ultraviolet energy.

The glass used in conventional eyeglasses affords adequate eye protection for brief exposure. However, care should be taken that the ultraviolet energy does not enter the eyes from the side, nor is reflected into the eyes from the back side of the glasses.

Clear plastic face shields are available to protect the face. Welder's shields sometimes have been used. Such protection should include the ears, particularly when the wearer may be exposed to a number of lamps. It is well to remember that when one is exposed to short-wave ultraviolet energy, the effects may not be felt until several hours afterward. Likewise, individuals vary greatly in their sensitivity to radiation. Children, for example, are frequently more sensitive to ultraviolet than are adults.

Where the concentration of germicidal energy is especially high, protection of hands and arms may be necessary. Clothing and gloves will generally provide adequate protection.

Safe exposure limits for ultraviolet germicidal irradiation have been set by the American Conference of Governmental and Industrial Hygienists.¹¹

The general practice based on these limits is given in Table II. Exposure is roughly the product of irradiation (microwatts per square centimeter) and time. The safe exposure time at 2½ feet from a bare G30T8 germicidal lamp is about one minute based upon this practice.

Table II. Recommended maximum safe exposure to Germicidal Ultraviolet*

Exposure Per Day	Irradiance $\mu\text{W cm}^{-2}$
8 Hours	0.2
4 Hours	0.4
1 Hour	1.6
10 Minutes	10
1 Minute	100

*Based on the 253.7 nm radiation of the germicidal lamps.

The near ultraviolet region of the spectrum in the vicinity of 330 to 380

nanometers is used for "black light" effects. This radiation does not produce erythema effects. Note that there are extreme exposure limits on all parts of the ultraviolet, visible, and infrared regions of the spectrum. (See Reference 13 for a discussion of exposure limits).

Exposure Time

A lethal exposure period of an organism is determined by its susceptibility,

the wavelength of radiation, the density of the radiant flux (watts per unit area), and the time exposure. Table III gives the amount of 253.7 nm energy density in microwatt-seconds per square centimeter to destroy 90 percent of various common microorganisms.

The germicidal effectiveness is proportional to the product of intensity times time from one microsecond to a few hours.

**TABLE III. GERMICIDAL ENERGY
REQUIRED TO DESTROY COMMON MICROORGANISMS**

Organisms	Energy ($\mu\text{W-sec/cm}^2$)	
<i>Bacillus anthracis</i>	4520	
<i>S. enteritidis</i>	4000	
<i>B. megatherium</i> sp. (veg.)	1300	
<i>B. megatherium</i> sp. (spores)	2730	
<i>B. paratyphosus</i>	3200	
<i>B. subtilis</i>	7100	
<i>B. subtilis</i> spores	12000	
<i>Corynebacterium diphtheriae</i>	3370	
<i>Eberthella typhosa</i>	2140	
<i>Escherichia coli</i>	3000	
<i>Micrococcus candidus</i>	6050	
<i>Micrococcus sphaeroides</i>	10000	
<i>Neisseria catarrhalis</i>	4400	
<i>Phytomonas tumefaciens</i>	4400	
<i>Proteus vulgaris</i>	2640	
<i>Pseudomonas aeruginosa</i>	5500	
<i>Pseudomonas fluorescens</i>	3500	
<i>S. typhimurium</i>	8000	
<i>Sarcina lutea</i>	19700	
<i>Serratia marcescens</i>	2420	
Dysentery bacilli	2200	
<i>Shigella paradysenteriae</i>	1680	
<i>Spirillum rubrum</i>	4400	
<i>Staphylococcus albus</i>	1840	
<i>Staphylococcus aureus</i>	2600	
<i>Streptococcus hemolyticus</i>	2160	
<i>Streptococcus lactis</i>	6150	
<i>Streptococcus viridans</i>	2000	
Yeast		
<i>Saccharomyces ellipsoideus</i>	6000	
<i>Saccharomyces</i> sp.	8000	
<i>Saccharomyces cerevisiae</i>	6000	
Brewers' yeast	3300	
Bakers' yeast	3900	
Common yeast cake	6000	
Mold Spores	Color	
<i>Penicillium roqueforti</i>	Green	13000
<i>Penicillium expansum</i>	Olive	13000
<i>Penicillium digitatum</i>	Olive	44000
<i>Aspergillus glaucus</i>	Bluish green	44000
<i>Aspergillus flavus</i>	Yellowish green	60000
<i>Aspergillus niger</i>	Black	132000
<i>Rhizopus nigricans</i>	Black	111000
<i>Mucor racemosus</i> A	White gray	17000
<i>Mucor racemosus</i> B	White gray	17000
<i>Oospora lactis</i>	White	5000

Measurement of Ultraviolet Radiation

An ultraviolet meter developed by Ultra-Violet Products, Inc., measures 253.7 nm germicidal radiation directly. Visible light is not measured with this meter. Measurements are calibrated in microwatts per square centimeter ($\mu\text{W}/\text{cm}^2$). Figures 4A and 4B illustrate the meter. International Light, Inc., also manufactures and markets instruments that measure the germicidal region of the spectrum (see Fig. C.). As lamps age, it is important to know when to replace lamps that have fallen below the standards normally required for effective germicidal action. Since it is impossible to observe when this point occurs by looking at the tube, the use of a meter becomes imperative.

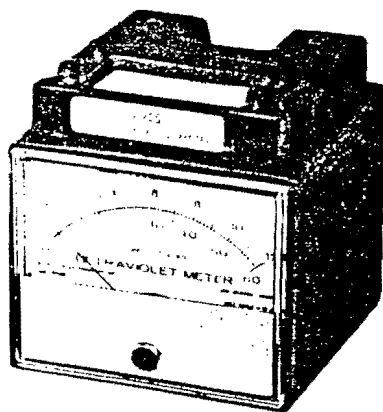


Figure 4A. The BLAK-RAY® Ultraviolet Meter is calibrated to measure short wave intensity in microwatts per square centimeter.

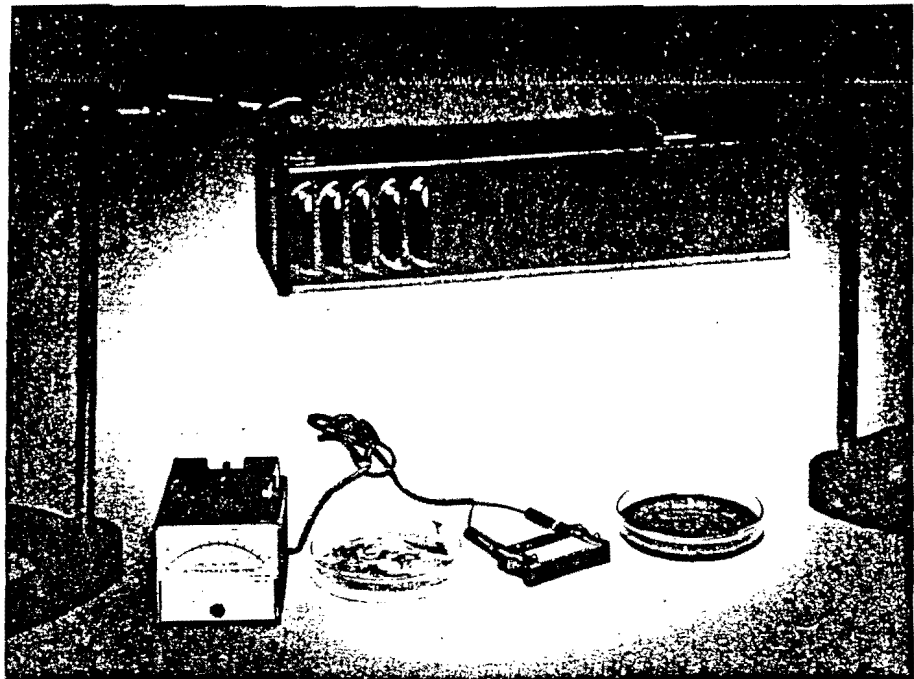


Figure 4B. Detachable sensor cell makes readings as close as a one-quarter inch from the irradiated surface. The picture shows the measurement of short wave radiation on substances in laboratory dishes.

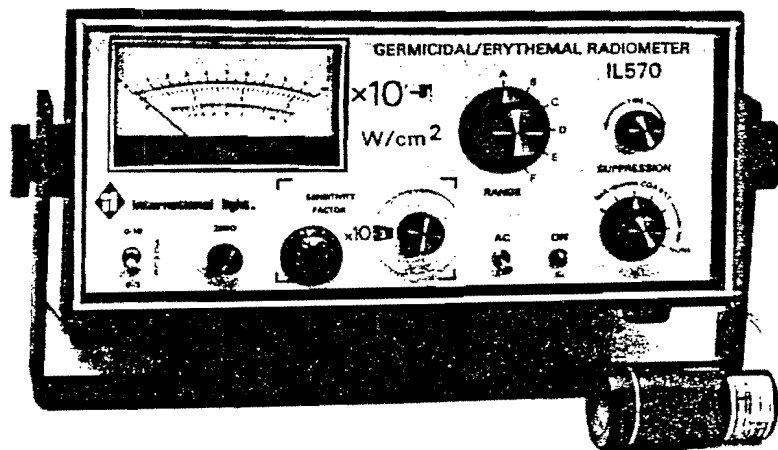


Figure 4C. The IL570 Germicidal/Erythemat Radiometer is an instrument specifically designed for measurements in the ultraviolet portion of the spectrum.

Applications

The more common applications of germicidal lamps fall into two broad classifications, personal protection and product protection. Personal protection is the irradiation of the air in a room for the purpose of protecting the occupants from airborne infectious diseases. Product protection is the use of ultraviolet radiation in areas where food, pharmaceuticals, and other products are processed and stored to prevent contamination and spoilage by molds or other microorganisms.

Air Irradiation in Heating and Air-Conditioning Ducts: Germicidal lamps are used in heating and air-conditioning ducts to reduce the quantity of live bacteria and to make the air passing through the ducts equivalent, insofar as possible, to outdoor air in terms of free-

dom from live bacteria. The design of any system for air sterilization depends upon the sources of the contamination, the type of space, and the kind of occupancy of the space. The requirements for theaters, restaurants, and stores are quite different from those for schools

Two articles of general interest. One from around 1989, the other from 1931. The Williams-Gaines story is one that I hope someone checks out. So much to do, so little time.

10

SCIENCE—SUPPLEMENT

VOL. 73, No. 11

March 20, 1931

SCIENCE NEWS

Science Service, Washington, D. C.

SUNSHINE AND COD-LIVER OIL FOR THE PREVENTION OF CONVULSIONS

1989?
SCIENCE

SCIENCE BRIEFS

From Wire Reports

Microscope without lenses

NEW YORK — The ability of a microscope using ordinary light to reveal fine detail is limited by the wavelength of the light — no lens can form an image of an object that is smaller than a single wave of the light striking it. But Cornell University scientists have devised a radically new kind of microscope without lenses that cheats the wavelength limitation. The device uses a glass tube heated to the melting point and drawn out to such thinness that the inside diameter is only about one-tenth the size of a typical wave of visible light. The researchers coat the tube with a thin layer of aluminum and use a vibrating crystal to scan the tip of the tube across a sample through which light is shining. Light enters the tube from only a minute section of the sample at a time; the part directly beneath the tube's tiny aperture. The intensity of this light is measured by an electronic detector at the other end of the tube, which sends its readings to a computer. As the tube scans each part of the sample it builds up information that permits the computer to produce an image showing details much smaller the wavelength of light.

A better lie detector

CHICAGO — A new lie detector that measures brain waves may prove more accurate than polygraphs, which measure bodily functions. It would probably be used to help identify and locate people indicated that would probably be in the community during the 1930s developed moderate or severe cases of rickets and in all 27 cases the mothers had failed to follow the nurse's instructions. X-ray pictures of the children's bones revealed that a greater number at one time or another had the beginnings of rickets, but that these were quickly outgrown and apparently had no harmful effects.

GERMS KILLED BY SOUND WAVES

AUDIBLE sound waves, high-pitched and intense, have been used to kill bacteria by Professor O. B. Williams,

of the University of Texas, bacteriologist, and Professor Newton Gaines, of Texas Christian University, physicist.

Sound waves of much higher pitch, so high as to be wholly inaudible, have in the past been used with effect on living things, the pioneer experiments in the field being performed at the private laboratory of Albert L. Loomis, banker-scientist of Tuxedo Park, New York. But the Texas experiments were the first in which audible sound waves were shown to be effective.

Professor Williams and Professor Gaines produced their sounds by means of a nickel tube, caused to vibrate at the rate of about 8,600 oscillations per second by means of powerful electromagnetic coils wound about its lower end. The oscillating current was supplied through two 250-watt radiotron tubes, such as are used in radio broadcasting stations, carrying a plate voltage of about 2,000.

The upper end of the tube was set in an inverted bottle and surrounded with water. When the current was turned on, the vibration was so intense as to cause a little mound of water to rise a couple of inches above the surface.

A flask, containing the bacteria to be "rayed," was lowered into this turbulent water mound. The sound waves passed through the glass into the fluid containing the germs, causing a disturbance similar to that which was raised in the water.

Bacterial cultures "rayed" for 10-, 20-, 30-, 40-, and 60-minute periods were compared for numbers of survivors. It was found that a definite mathematical relation exists between the time of exposure and the number of survivors. At the end of one hour in the field of the waves there were less than half of the initial number of bacteria left alive in the flask.

The waves have also been tried on red blood corpuscles and have been found to be destructive to them. This is in line with similar experiments performed at Tuxedo Park, where supersonic waves of ten to a hundred times the frequency were used.

NARCOTIC DRUGS

A CAMPAIGN to limit the use of narcotic drugs to legitimate medicinal needs has been launched by the

U in meter
MHz 300
How to find the resonant wavelength of a thing?

cine and surgery, substitution of non-habit-forming drugs for ones with addiction properties, and progress of the search for a non-habit-forming substitute for morphine are the subjects of the series planned.

MARCH P

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PROFESSOR LIN

University has taken any thinking today, and new book, has voiced a new res. Here you will

A critical scrutiny of organic evolution;

A re-weighing of the all fields;

A startling new interpretation in which the author takes the long-warring fact of Environment;

Constructive suggestions which, if carried into effect, will keep scientists busy for

THE book is rich with experimental and and is marked in every thinking of the author early summary of present evolution, and as a guide toward the thinking of

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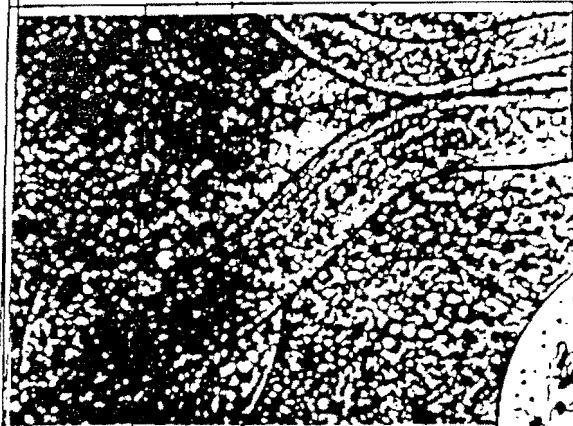
60 Fifth Avenue

Movie New Eye of Microscope in War on Germs

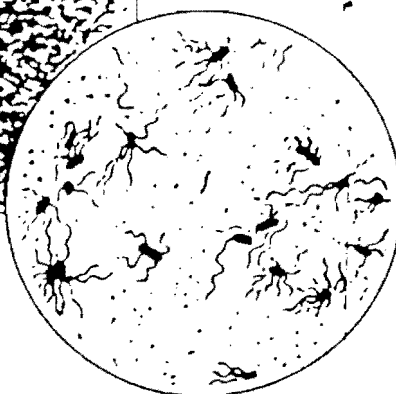
By H. H. DUNN



R. R. Rife, once a chauffeur, has devised a means of preserving with a movie camera the life history of man's most deadly microscopic enemies.



Larva of the Hookworm, magnified 12,000 times, is seen just after it has emerged from the egg. At right, bacterium of typhus showing the filaments.



ON A six-by-eight-foot screen in a darkened room appeared a spherical object. It resembled a gray, indoor baseball, trisscrossed in all directions by fine threads of silk. Slowly and aimlessly it rotated.

"The spore of the bacterium that causes lockjaw," came a voice from the loudspeaker of the motion picture apparatus. "Watch it!"

A dozen physicians and laboratory workers leaned forward. The sphere swelled. When it had become six inches or more in diameter on the screen, a dark line appeared across its middle. It parted. From it emerged a black bar, nearly as long as the diameter of the spore, spinning on its long axis—the cylinder-shaped germ of tetanus, or lockjaw. For what was probably the first time, a movie had shown the lockjaw spore hatching.

We were in the laboratory of R. R. Rife at San Diego, Calif. He is a pioneer in the art of making motion pictures of the microscopically small. Once he took care of half a dozen automobiles for their wealthy owner, a widely-known physician. Encouraged by the man of medicine, Rife began building his own microscopes in a laboratory fitted up in a room over the garage. In this little room, he has today more than \$50,000 worth of microscopes and cameras. Most of them he has built himself.

For ten years he has

worked to capture in motion pictures what the eye sees through the most powerful microscopes. He has succeeded and his work has won recognition from the medical profession. Now doctors may sit at ease in comfortable chairs and watch bacteria in their native surroundings on a motion picture screen. There they may compare their own observations of disease germs taken from patients with the life history of these microbes, preserved on motion picture film. It is estimated that

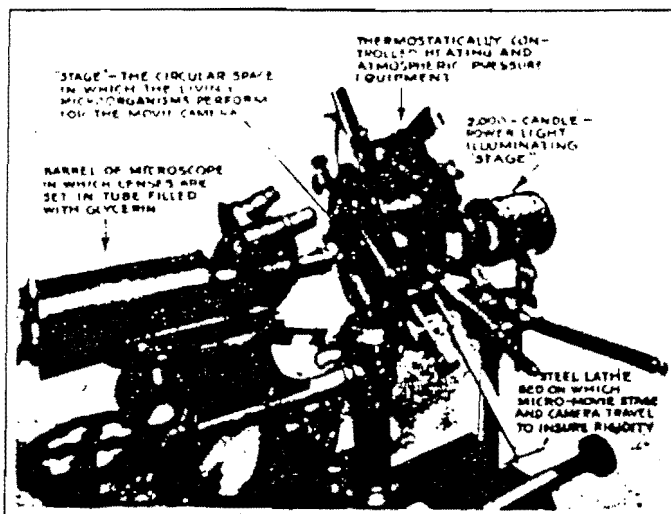
the time required to diagnose certain diseases may be cut from days to hours by the use of the films.

WHENCE come the actors in these strange movies? Rife propagates and rears all the microbes he studies, I learned, in an incubating plant of his own design. Deadly germs, housed in jars, are nursed as carefully as the frailest child. Delicate thermostats control the warmth of ovens in which the germs are kept active, or the coolness of refrigerators in which they lie dormant. "If the electric current holds out," Rife told me, "These microorganisms will be alive a million years from today, without the interference of a human hand."

When he is ready to make a movie, Rife places a small colony of disease germs on a quartz slide. Then he picks up one or more with a human hair, the finest obtainable, which is split lengthwise and mounted in a chuck beneath the lens of his microscope. Slowly he lowers this strange pair of tweezers onto the slide. Its halves part. Between them one or a few microbes lodge. Lifting out the hair, Rife transfers them to the stage of the micro-movie camera, and he is ready to film the life history of a germ.

An electric light of 2,000 candlepower falls upon the center of this microscopic movie studio—a tiny spot on the thin slab of transparent quartz that bears the germs. Above it, sixteen of the finest quartz lenses obtainable, immersed in glycerin, magnify the dimensions of each germ 12,000 times. Designed by Rife himself, this apparatus is one of the most powerful microscopes in the world; its magnification compares with the 2,000-diameter enlargement of microscopes commonly used in research laboratories and in medical examinations.

The small camera at the observation end of the microscope starts. Into this
(Continued on page 141)



It is with this mechanism, in a home built laboratory, that Rife magnifies minute organisms 12,000 times and makes pictures of their activity.

Jan., 1911


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METALLIC LETTER CO., 433A N. Clark Street, Chicago

MOVIE NEW EYE OF MICROSCOPE

(Continued from page 27)

camera Rife has built a twenty-one-jewel, high grade watch movement that automatically makes pictures at any desired interval—from the usual sixteen or eighteen a second to one every five hours.

THUS he has been able to record on one film the complete life story of the hookworm, from the hatching of the egg to the full development of the serpentlike parasite. "I set the camera controls," Rife explained, "and placed one egg of the hookworm in the center of the stage. When I returned, seventy-two hours later, I had a complete film record of the parasite." The film takes only a few minutes to run off, but a research worker bending over his microscope would spend three days and nights, an all but impossible task, to see the same things happen.

Either as he makes the film or afterward, Rife records a lecture to accompany it upon a sound strip synchronized with the pictures. He explains, too, the effect of special treatments administered to the germs under the camera's eye, such as doping them with drugs, or testing the effect of heat and cold.

Weighing germs and timing the speed of their movement are some of Rife's feats in microscope land. He showed me a quartz slide bearing several hundred typhus germs, invisible to the eye, and then slipped it beneath the microscope. I peered into the eyepiece and saw a score of small black objects which appeared about an eighth of an inch long. Waving wildly from each were from one to eight black filaments. Hither and yon they dashed so rapidly that the eye could hardly follow them.

"If a man could move proportionately fast, he could travel on his own feet more than 500 miles an hour," Rife said. He timed them by etching measured lines on the slide and noting how many lines they crossed in a fixed time.

"We have weighed them on extremely delicate balances," Rife added. "The weight of these disease germs averages one-184-trillionth part of an ounce."

HOW various rays affect the lives and activities of disease germs was another thing that Rife wanted to find out. One day he rigged up an electric discharge tube, an instrument of which the X-ray and cathode ray tubes of laboratories are special forms, and shot through it the comparatively high current of sixty-four milliamperes. He obtained a strange ray that casts a greenish glow on the surrounding atmosphere, and of a sort beyond the usual range of X-rays. It penetrates air so easily that it may be detected at great distances from the tube. Rife devised a liquid screen of salt solution and acid to protect his hands against injury from the ray.

While X-rays had no effect on lockjaw germs, and ultra-violet or invisible light rays merely halted their development, Rife discovered that the green ray would destroy the microbes. Now he is making a movie of that operation.

Rife has devised a magnetic compass so delicate that it can be used to study the electricity and magnetism in living germs. He suggests that if the electrical make-up of certain dangerous germs is learned, it may some day be possible to destroy them in the human body by applying small doses of electricity. In no way, however, Rife makes clear, does this idea uphold the claims of medical fakery that they can cure disease by applying electrical "vibrations" to the body.

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THE FOLLOWING LETTER CAUGHT OUR EYES AS ONE WORTH AN EXTRA EFFORT. I SENT GABOR ALMOST EVERYTHING HE ASKED FOR. I NORMALLY DO NOT PUBLISH THE ADDRESSES OF THOSE WHO WRITE ME, BUT IN THIS CASE I THOUGHT GABOR WOULDN'T MIND AND WOULD QUIET POSSIBLY APPRECIATE MORE AMERICAN RIFE PEN PALS.

Oct 10, 1991

Mr. Mark A. Simpson
P.O.Box 710088
Dallas Texas 75371 U.S.A.

Dear Mr. Simpson:

First of all, I send my greetings and best wishes to your Dallas Rife Research Group. There is some marginal interest here in Eastern Europe in this matter and I was asked to be a contact-person to America due to my studies in the U.S. some years ago. I decided to be of some assistance, because in case there is some truth in what is said about Dr. Rife's work it may prove to be helpful for anyone suffering in some disease.

So, I am writing in these circumstances, having some view of the problem, but without having sufficient details to be directly involved, just watching from the sidelines in attempting to gather some experience from the U.S. from similar groups, who have the necessary framework to conduct such research.

My understanding is that a group here, in this city, has assembled a temporary equipment for testing the electrode way of Rife's method. Before that, however, it is necessary to have as much knowledge as possible on this method to which your possible assistance is welcome. For the time being I am rather short-funded, due to a Catch-22 situation, where funding would require results and results would require funding, with the only way out to show some results from elsewhere/ reliable references. Therefore, before actually being able to order any material from you, I would like to ask some initial information/contact addresses, since, due to the nature of this research, it is not possible to know what are the results of this field in the U.S. from the open scientific literature. Therefore, a few pages of initial information would be appreciated, such as, at first, the full contact addresses of other research groups/institutes, e.g. I heard about the Rife Virus Microscope Institute in the San Diego area, whose address would be helpful, just as well to have the addresses of manufacturers who produce such equipment, including frequency generators and beam tubes, also the addresses of publishers who include such items in their magazines.

Secondly, it would be very important to know about all frequencies used in the electrode treatment and in the beam tube treatment as well, including, of course, the conditions and microorganisms when they are used. In return, I shall be prepared to notify you about results which the research group here wishes to communicate.

Thirdly, I am interested to hear about your success exploding microorganisms. A few lines of information would be very useful here such as type of microorganism, frequency used and the equipment itself, how can it be obtained, what are the characteristics in case it is self-produced etc. I would be most interested in your videotape, but it has to be in European VHS format called NTSC system, otherwise, nothing can be seen. Price information would also be needed, including postage by surface mail and airmail.

Finally, in case you could help me with historical letters/ copies thereof, would help me to gain financial funding thus to become your customer faster. I have e.g. excerpts from a letter of June 1, 1937 from Johnson to Dr. J.D. Heitger but not the whole text under letterhead that would help for example to convince eye specialists to begin looking at Rife's method. I am also interested in some theoretical explanations of the beam ray such as scalar waves which may be produced by the non-linear medium of noble gases under squared voltage. What do you think about this? Perhaps the same happens in the nervous system in order to find something common with electrode method. So, I would appreciate to see the full Nov 4, 1936 letter from Johnson to Dr. O.C. Gruner as well, if possible.

And, at last, I would begin consultation with other microscope experts here, if I had some more detailed drawing of Rife's microscope to see if his microscope could be rebuilt based on the heterodyning principle, which, I believe, is quite admissible even for the layman.

Thank you for your attention. In expecting your reply in the near future,

Sincerely,

Gábor Belovári, M.A.

Alkotás u. 25. II. é. VII/53
H-1123 Budapest
Hungary

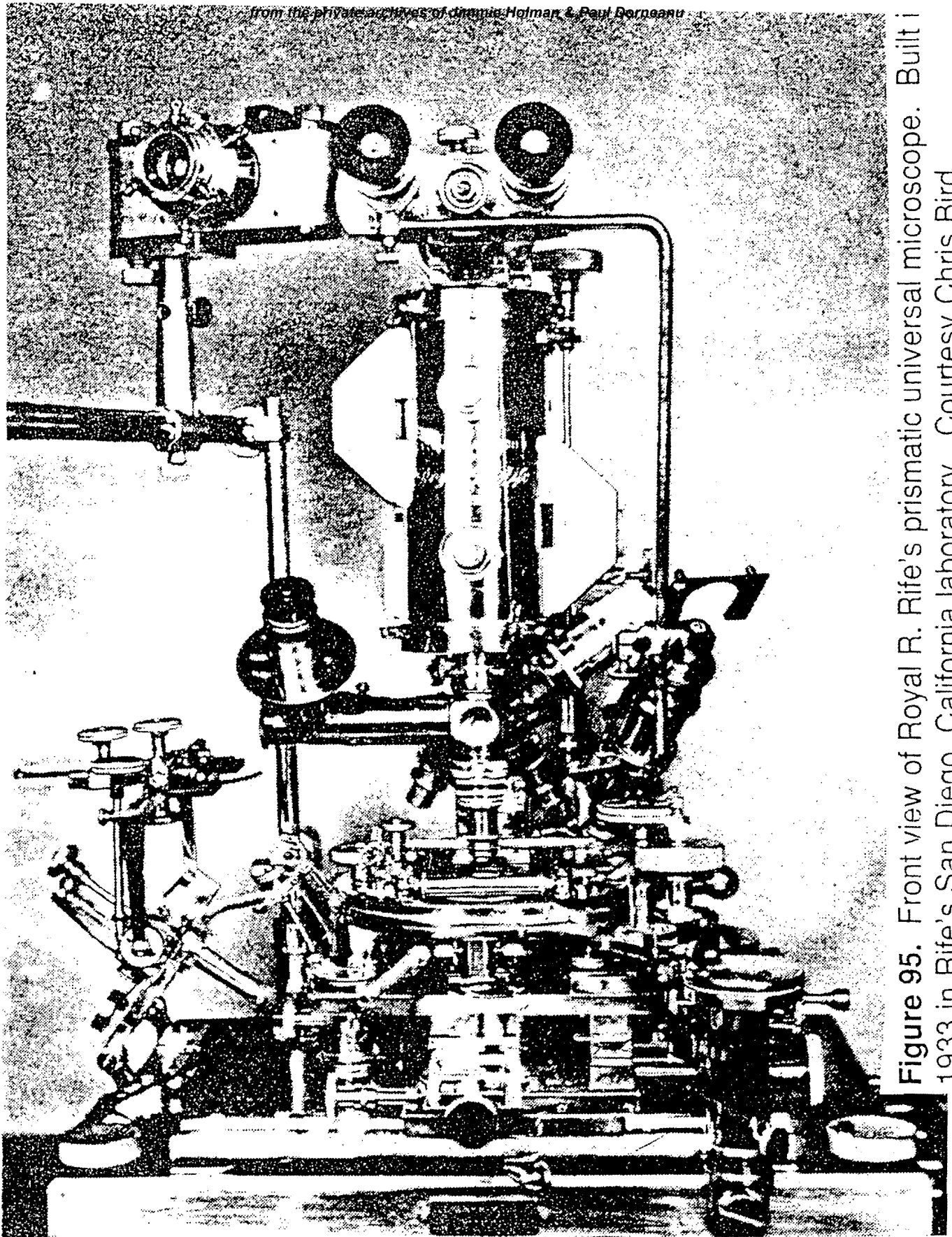


Figure 95. Front view of Royal R. Rife's prismatic universal microscope. Built in 1933 in Rife's San Diego, California laboratory. Courtesy Chris Bird.

From T.E. Bearden's A.I.D.S.-Biological Warfare. The people who possess the Universal Microscope (if I knew their identity, I'd publish it), possess a scope that is missing the original objectives (so I've been told), many of the lenses and probably the all important Risley prism, which generated the color frequencies. Also, John Crane is said to have removed all(?) of the prisms before he lost control of the Universal microscope in a cash and stock deal which went sour. We think the Risley prism was stolen in 1944, right after the release from the private archives of Jimmie Holman & Paul Dorneanu assistants.

POTPOURRI

Public Domain Information Regarding Experimentation with Resonant Frequencies

1. In general, the frequencies pass through the path of least resistance between the electrodes. This pathway may be:
 - A. Directly between the electrodes.
 - B. Along conductive paths such as **acupuncture meridians**.
 - C. Through conductive body fluids such as **blood**.
 - D. Through body tissue containing **saline fluids**.
 - E. Through the area **directly under** (touching) the electrodes.
2. Experimentation, therefore, is a combination of knowledge of these pathways, as well as a good deal of common sense. I.e: an organism circulating in the blood would be best encountered at a place in which the blood circulates in large quantities. Many experimenters have tried using electrodes on such places as:
 - A. **The feet**, in order to resonate microbes that may reside in, or pass through the legs, feet and crotch area.
 - B. **The arms**, in order to resonate microbes that may reside in, or pass through the arms or chest area.
 - C. **The buttocks**, in order to resonate microbes that may reside in, or pass through the lower abdominal area.
 - D. **The back**, in order to resonate microbes that may reside in, or pass through the chest area.
 - E. **Directly on surface lesions**, in order to resonate microbes residing in the infected area.
 - F. On **either side of the neck**, or throat, in order to resonate microbes residing in the throat or neck area.
 - G. On **both cheeks**, in order to resonate microbes residing in the mouth area.
 - H. On either side of the **stomach**, in order to resonate microbes in the stomach and intestine area.
 - I. On **either side of the nose**, in order to resonate microbes in the sinus area.
 - J. One electrode wire split off to two electrodes on the **arms**, and one electrode wire split off to two electrodes on the **feet**, in order to resonate microbes residing below the neck.
 - K. **Lying down on two long electrodes** that are side-by-side, separated by an insulator of duct tape or similar material.
3. Several application methods have been tried using stainless steel electrodes, such as:
 - A. Electrodes **bare** against the skin.
 - B. Electrodes covered with **separate** washcloths damp with water or saline.
 - C. Electrodes covered with **separate** sponges damp with water or saline.
 - D. Electrodes submerged in **separate** pans of very warm salt water.
 - E. Electrodes submerged in **separate** pans of warm Epsom salt water.

- F. Use of a **large and a small electrode**, for concentrating the frequency at the site of the smaller of the two electrodes.
- 4. **Several timetables have been used by experimenters in various circumstances, including:**
 - A. **5 minutes per frequency**, with several or all suspect frequencies being used.
 - B. **Several frequency applications per day** in the case of microorganisms that would normally "run their course" die out in several weeks or less on their own.
 - C. **3 to 5 minutes per frequency once every third day for 60-90 days** on microorganisms that will not die out on their own.
- 5. **Several general sources of information that may be helpful are:**
 - A. **John F. Crane's Polarity Research Manual.***
 - B. Any **acupuncture books** with meridian charts.
 - C. Any literature regarding electrode placement of **galvanic stimulators**.

IMPORTANT NOTES AND CONSIDERATIONS:

If **damp cloths or sponges** are to be used with the electrodes, take care to use **separate cloths, for each electrode**. If this is not done, and **one cloth** is placed over **both electrodes**, the frequency will pass directly from one electrode to the other through the damp cloth or sponge, and **bypass entirely the tissue that is the intended target of the frequency**.

This same principle applies when using pans of salt water. **Do not place both electrodes in the same pan of salt water**. If both electrodes are placed in the same pan of salt water, you are **shorting the electrodes** through the salt water, and the frequency will pass **through the water**, and **not** through the intended tissue.

Do not touch the metal electrodes together while the frequency is turned on, or you risk damaging your equipment.

Many experimenters do not realize that it may take 60 to 90 days to reach most or all of the targeted microorganisms with an experimental electrode system.

*** The Polarity Research Manual is available @ \$125.00 from:**

**John F. Crane
4246 Pepper Drive
San Diego, CA 92105**

APPENDIX 60 WISH LIST

I WOULD LIKE TO ACQUIRE THE FOLLOWING ITEMS FOR DISSEMINATION IN OUR ONGOING RESEARCH EFFORTS. I CAN PAY PHOTOCOPY AND POSTAGE EXPENSES. PLEASE SEND TO:

Mark A. Simpson
P.O. Box 710088
Dallas, Tx. 75371

1. Photocopies of original hand written Rife lab notes.
2. Transcript of the 1939 Hoyland vs Beam Ray Corp. trial (Judge Edward Kelly). I'm not sure if this suit was filed in Federal or California State court.
3. The exact location of any Rife microscope. I am especially interested in the Universal microscope, the #5 microscope said to be at the Welcome Museum in London and the Rife microscope (#4?) said to be at the Scripps ranch in California.
4. The exact location to the Graton-Dane or Lucas microscope (see endnote #4).
5. The exact location of any original Rife Ray, Beam Ray or Crane Ray frequency instrument.
6. Anything that Royal Rife wrote.
7. Recordings with Rife's voice.
8. Recollections of Rife's family and/or friends (plus mailing address).
9. Photographs of Rife, especially Mamie and Royal Rife together. Photographs of Rife's equipment.
10. Reccollections of Dr. Milbank Johnson's family and/or friends (plus mailing address). Anything that Johnson wrote, especially pertaining to Rife.

11. Location and records from the alcohol rehab "prison" that Rife "escaped" from.
12. Rife's grave site location.
13. Rife's deposition in favor of Crane, for Crane's 1961 trial.
14. Transcript of the 1961 Crane/Marsh trials.
15. John Marsh's address (or family and/or friends).
16. Recollections of Philip Hoyland's family and/or friends (plus addresses). Anything that Hoyland wrote, especially pertaining to Rife.
17. Recollections of Dr. Hammer's family and/or friends (plus mailing address). Anything that Hammer wrote, especially pertaining to Rife.
18. Recollections of Dr. Couche's family and/or friends (plus mailing address). Anything that Couche wrote, especially pertaining to Rife.
19. Anyone's "bug blow" videos or movies, plus mailing address.
20. Information pertaining to Appendix 60.
21. Experiments exploding glass with audio frequency. I'm looking for sub harmonic square wave experiments, especially.

APPENDIX 61

As near as I can tell Rife wrote only seven and a half articles. More will probably surface as our research continues. The articles I have uncovered are:

"History of the Development of a Successful Treatment for Cancer and Other Virus, Bacteria and Fungi", Royal Rife, copyright (1953) owned by John Crane, published in Crane's Polarity Research Manual.

"Viruses and Rickettsia of Certain Diseases", Royal Rife, 1933. Quoted in its entirety in the appendix of the second printing of TCCTW.

"Observations on Bacillus Typhosus in its Filtrable State", Arthur Kendall and Royal Rife, California and Western Medicine, 35:409-411, December 1931.

(the following three articles are mentioned in the reference section of the article, "The New Microscopes", see bibliography).

"Bacteria", Royal Rife, Presented April 28, 1939.

"The Filterable Virus of Carcinoma", Royal Rife, Presented april 26, 1939.

"The Rife Microscopes", Royal Rife, Presented April 28,1939.

(the following two articles are mentioned ia a letter that John Crane wrote to Robert P. Stafford, M.D. on July 21, 1958.)

"A Discussion on Laboratory Research", Royal Rife

"Culturization of Virus", Royal Rife.

Viruses and Rickettsia of Certain Diseases (1933)

By Royal R. Rife

It is the purpose of this paper to give a brief resume of the reports on file in our laboratory dealing with virus experimentation and also to treat on the etiological significance of the Rickettsia Bodies in connection with certain diseases.

The existing theories regarding the viruses are entirely unsatisfactory and sadly wanting of further elucidation. Therefore, we shall expound our theories at the outset with the hope that other workers may find them sufficiently basic to serve as an incentive for checking our observations.

The virus diseases of plants and animals are probably caused by organisms exhibiting certain transitional stages in a cycle under given conditions. All of the viruses are fully virulent after they have been passed through certain diatomaceous earth or porcelain filters. The filterability of these bodies alone does not serve as a means of classifying them. They must also exhibit other important properties before they can be considered in the category of virus bodies.

Most of the known viruses exist only in close association with the living cells of the host. Many attempts have been made to cultivate them on artificial media, but with little success.

The writer has long entertained the assumption that it is possible to cultivate viruses on artificial media. After many failures on my own behalf, it was my privilege and good fortune to work with Dr. Arthur Isaac Kendall of Northwestern University Medical School on the problem of culturing viruses under artificial conditions, using his protein-rich, peptone-poor, "K" Medium. The successful results obtained in our initial experiments are on record in a joint publication by Dr. Kendall and myself which appeared in *California and Western Medicine*, Volume XXXV, No. 6. The importance of that work was indicated in a later report that was published in *Proceedings of the Staff Meetings of the Mayo Clinic*, Volume 7, No. 28, by E. C. Rosenow, M. D., Division of Experimental Bacteriology. In this report were recorded the more important observations made during three days, July 5, 6 and 7, 1932, in Dr. Kendall's laboratory at Northwestern University Medical School in Chicago. Assembled there to carry out the experiments were Dr. Kendall, Dr. Rosenow and myself. Owing to the novel and important character of the work, each of us verified at every step the results obtained.

The above mentioned reports serve to establish two important facts. First, that it is possible to cultivate viruses artificially, and, second, that viruses are definitely visible under the Rife Universal Microscope.

In our initial experiments we endeavor to cultivate bacteria in the filterable state. Cer-

tainly, the theoretical and practical importance of filterable organisms in theoretical and applied biology cannot be denied. However, later experiments led us to believe that the filterable form was a transitional state exhibited by bacteria when cultured under certain conditions. Actually it was found that this transitional form represented the virus phase of an organism in its life cycle.

During the incubation period of a pathogenic organism in a susceptible host, it is essential, if the disease germs are to be successful in producing the disease, that they upset the metabolic balance of the host and, particularly, the mineral salt balance of the cells. When this is accomplished to a certain degree the stage is set for a transition of the invading organisms into their primordial or virus state. It is the virus forms enacting upon the unbalanced constituents of the cells that produce the pathological changes associated with the disease. It must be remembered, before leaving this subject, that several phases in an organism's life cycle may exist.

The Rickettsia Bodies represent the primordial state of protozoa, just as the virus is the primordial form of bacteria. The staining reactions of the Rickettsia are similar to certain Treponemata, and their parasitic relations to certain insect hosts suggests relationships with the protozoa. Their refractoriness to artificial cultivation indicates their similarity to the virus form of bacterial.

We shall next consider the etiological relationships of Rickettsia to certain diseases.

We have confirmed the findings of Ricketts and Wilder which appear in a report published in the *American Medical Association Journal*, 1910 (Page 54). These workers observed the occurrence of Rickettsia prowazeki in human typhus fever lesions. It has been shown that if lice infested with the Rickettsia bodies are ground up with salt solution when they are fully developed, they will induce Typhus fever in animals upon injection.

The similarity of the Rickettsia bodies associated with the Yellow fever group is astounding. The organism, *Paraplasma fallaglum*, is the parent phase of all the transitional forms in this group. The degree of cellular imbalance in the host determines the quality of the pathogenic changes. Severe imbalance results in a true Yellow fever, milder imbalance will give the indications of lague, and still milder imbalance will cause Phebotomus, or 3 day's fever (isoated, 1932).

Thus a new field is open to scientific investigators. The solution to the problem lies not in limitless classifications, but rather, in the fascinating study of the biochemical factors that cause these transitional forms known as virus and Rickettsia to be in the stage in which we find them.

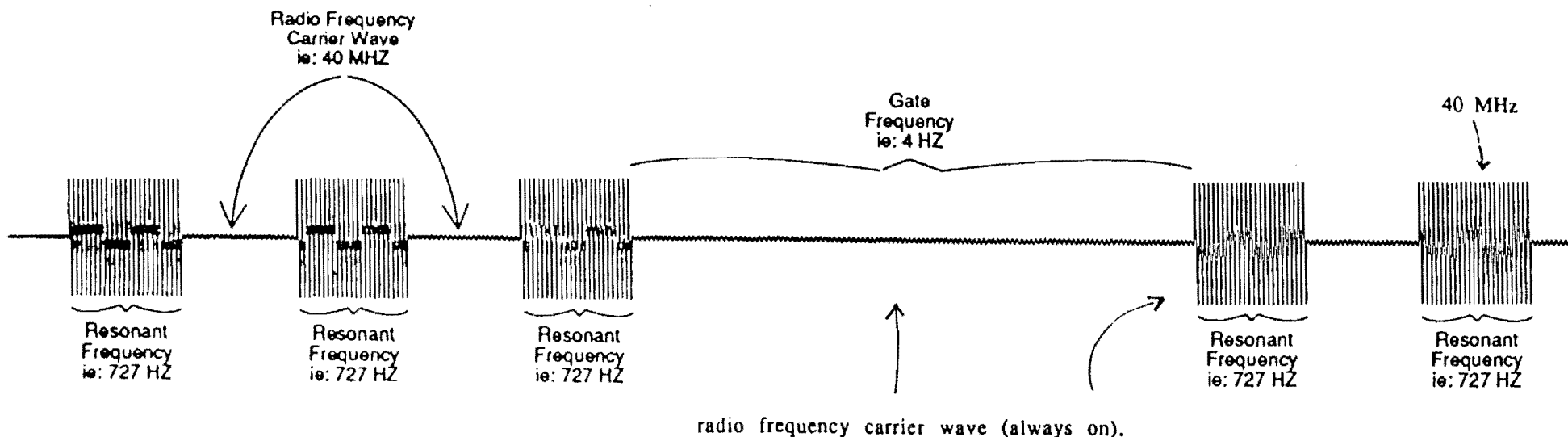
Appendix 63 Except for the fact that Rife's audio frequencies were not completely square, this is how we think Rife resonated microbes during his famous 1934 clinic. This drawing shows what we believe came out of the earlier Rife Ray machines, not the Beam Ray Corp. models which came later. We think the Beam Ray Corp. models did not excite and ignite the ray tube with radio frequency (as did the Rife Ray). This drawing may represent a great coup in the quest for truth regarding Rife's methods. Any qualified electronic engineer (or diddler) should be able to take this drawing and turn the world upside down (if Rife was right). This is why I'm so turned on by Rife's ideas; they are so easy to conceptualize. The reader is encouraged to estimate the cost of this project and to proceed with vigor and enthusiasm in his or her bedroom laboratory. Photocopy this page and give it to every electronic oriented health enthusiast you can find.

From The Rife Way III: "The healing audio frequencies (or M.O.R.s) were distorted sine waves (today we use square waves) which may have been broadcast on a radio frequency carrier wave (which was probably around 40 MHz). It is thought that Rife used amplitude modulation, not frequency modulation. In other words, Rife amplitude modulated the radio frequency "carrier wave" with his audio range healing frequencies."

Suggested protocol (For qualified licensed experimenter/practitioners. Not to be taken as medical advice.) Use every frequency for five minutes each at 100 - 500 watts R.F. (500 watts is best). Broadcast these sq. wave frequencies (in Hz): 727, 787, 880, 800, 20, 600, 622, 666, 450, 1550, 1500, 2127, 2008, 120. Gate these frequencies four times a second as you broadcast them. Rife found that the human body needs two days to naturally clear out all of the dead microbes (destroyed by his ray tubes).

The carrier wave creates an energy field with a great potential to constantly agitate the microbes. The audio frequencies (and their harmonics) on the radio frequency carrier, do the actual resonating (to pieces) of targeted microbes.

Drawing by Rick Sheppard



Audio "on" 4 times per second

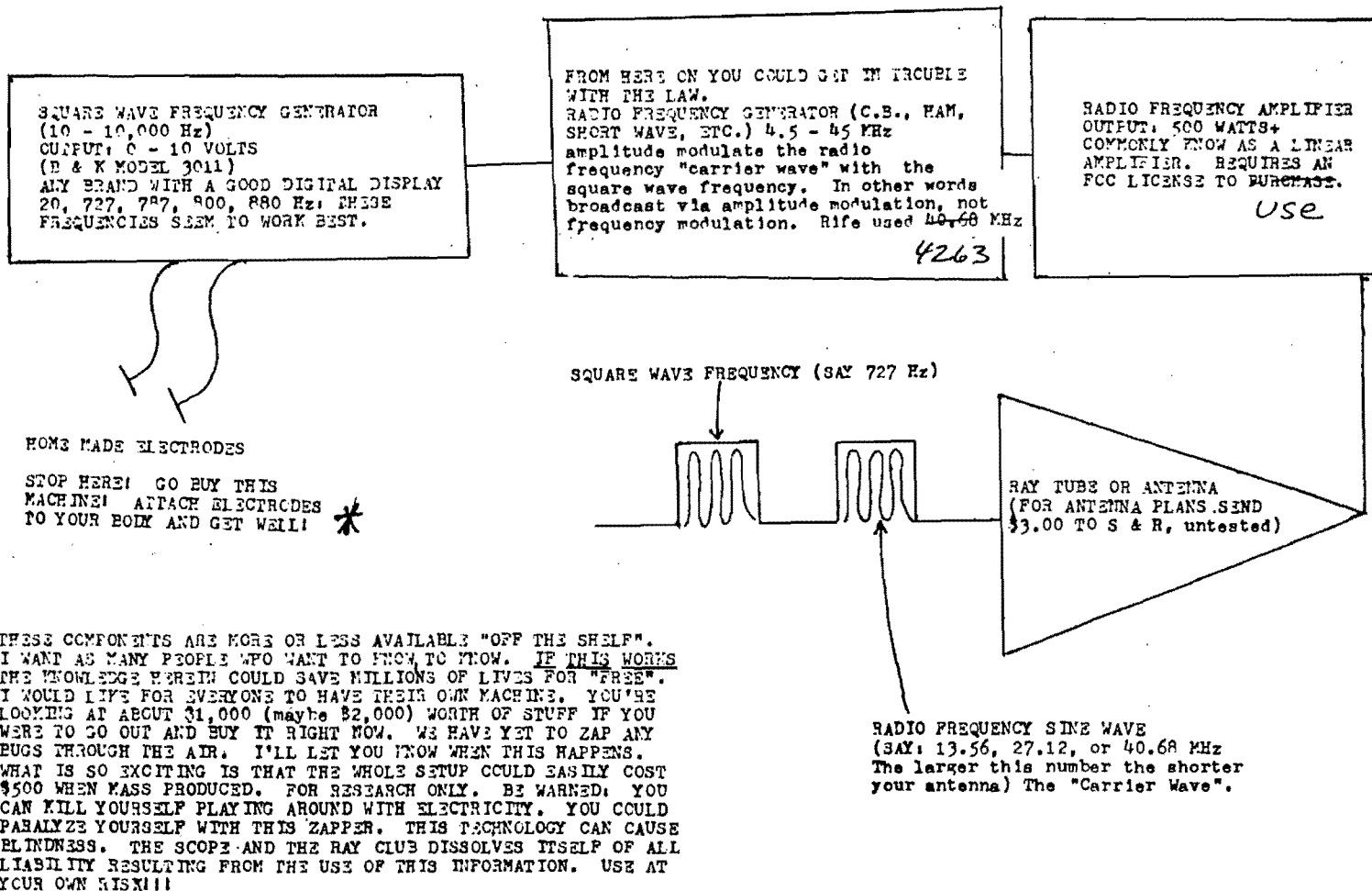
Audio "off" 4 times per second

Box 710088, Dallas, Tx. 75371

Waveforms are not proportional (in size) to each other.

* not to be
taken as
medical advice

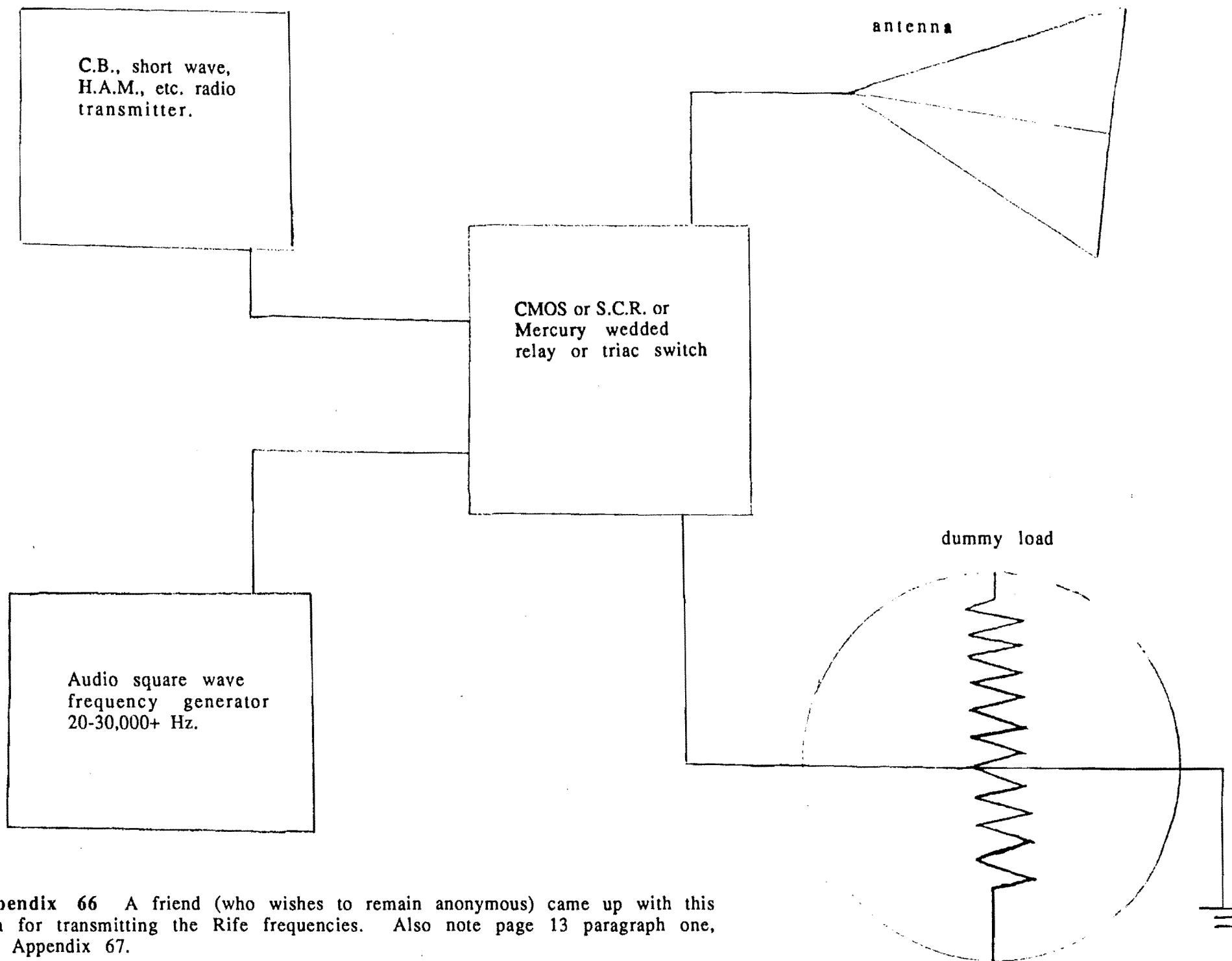
Appendix 64 In the early 1980s I saw this drawing to around 50 networked Dallas area New Age "health nuts" (included for historical reasons). I was young and naive (still am) and thought I could save the world (ridiculous). This drawing outlines off the shelf components immediately available (except for the ray tube). This drawing does not incorporate the gating at four times a second, which is not really an off the shelf option and was not available at the time. The gating box would appear between the first and second boxes.



During this time frame my advisors were telling me not to "prescribe" as they were paranoid of lawsuits and charges being filed.

[illegible]

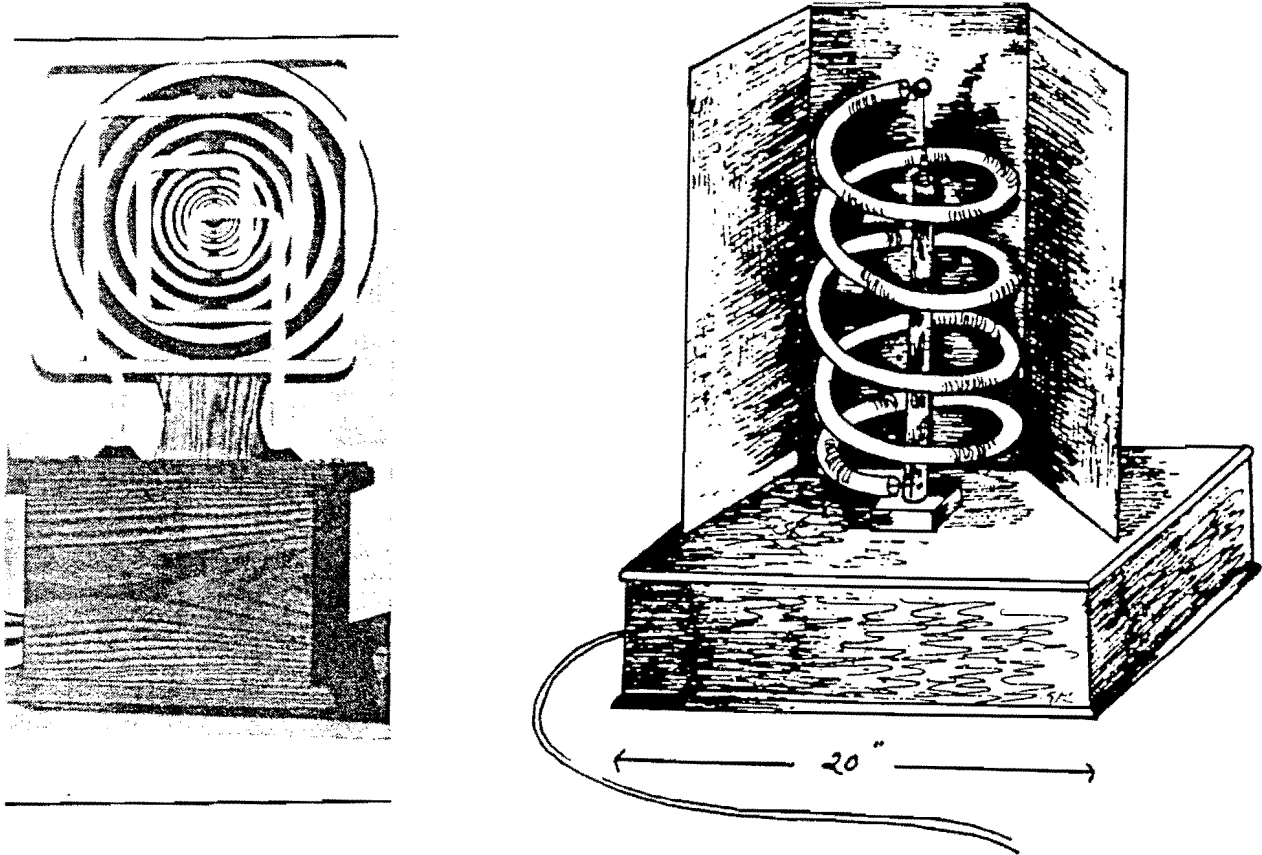
Page 196
from the private archives of Jimmie Holman & Paul Dorneanu



Appendix 66 A friend (who wishes to remain anonymous) came up with this idea for transmitting the Rife frequencies. Also note page 13 paragraph one, and Appendix 67.

Appendix 67 I don't think this is how Rife did it, but anything that works is great. Encourage Super Science to provide proof that this unit can resonate microbes (to pieces) through the air. Also note page 13 paragraph one and Appendix 66.

PLASMA DISCHARGE BEAM TUBE



The 40 watter from Super Science

As near as I can tell this unit is the 500 watter. I have never seen a photo of the 500 watter. I'm not sure if any 500 watters have been built as the Super Science "purple" brochure showing Mrs. Kent in the nude states, "the 500 watt models can be built later."

This helix coil glass antenna radiates Rife frequencies by the ionization and subsequent plasma of Helium, Argon and other noble gasses. The antenna is cut to $1/4$ the wavelength of the RF transmitter resonant frequency. The glass tube is closed at both ends and sustains the RF plasma between the two electrodes by a separate high voltage source. At one end of the antenna, the output of the transmitter is coupled through a suitable impedance matching network so that the transmitter may be tuned properly to transfer power to the load. The Beam Tube is driven by a Radio Frequency transmission source of approx 100-500 Watts. The transmitter is tuned to operate in the 28-35 MHz band.

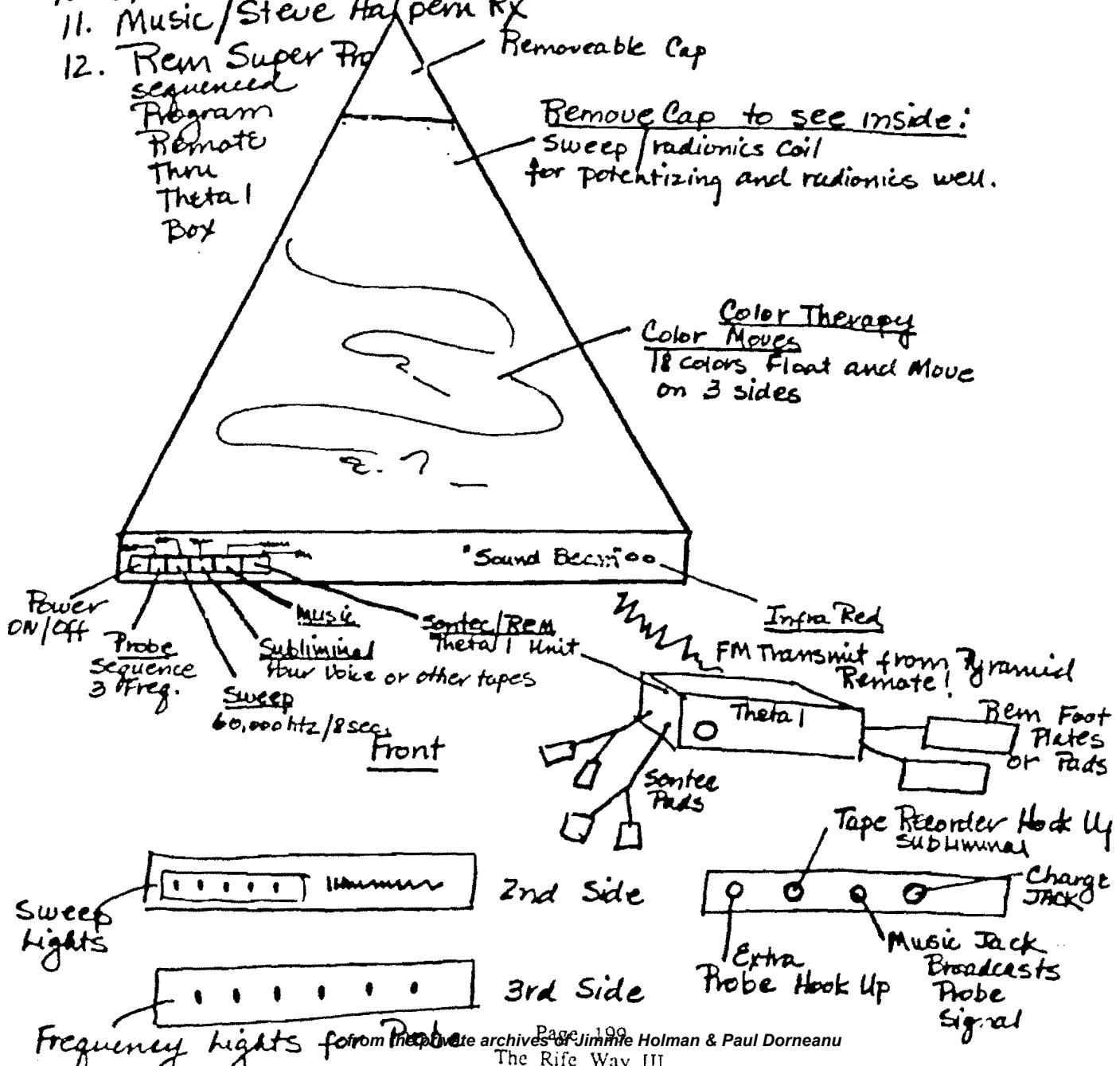
Further technical specifications and price are available upon request.

At one end of this antenna device, the output of the transmitter would be coupled through a suitable impedance matching network, so that the transmitter could be tuned properly and the power would be transmitted to the load. The transmitter would be keyed on and off by a modulator that was controlled by an IBM PC. The IBM PC would be responsible for generation the various Mortal Oscillatory Rates necessary to make the machine

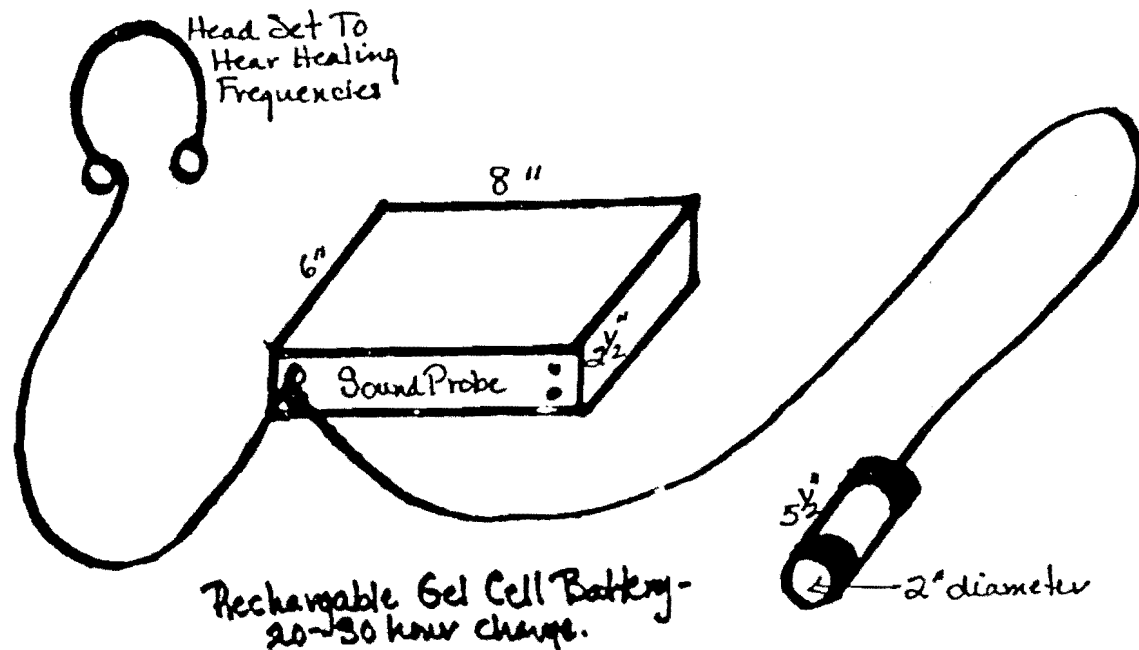
Appendix 68 From the private archives of Jimmie Holman & Paul Dorneanu
 I am not into etheric bodies, cosmic polarizers, radionics, undefined scalar waves, witch doctors or voodoo. I am into hard science. If you can put a meter on it I'm interested. Rife delt with what he could see and destroy in a strictly physical way. Here we have an example of hard science gone soft.

Sound Beam

1. Color Therapy / Runs Continuously when recharging battery
2. Theta 1 - Remote Box with Theta 1 / Sontec / REM
3. Subliminal & Radionics Subliminal using Sweep
4. Radionics Well
5. Sweep
6. Probe (Sequencing) Remote FM Transmit
7. Infra Red Rife Frequencies
8. Rife Frequencies in Muscle Toner / Sequenced Program / Remote
9. ELF Frequencies in Muscle Toner / Sequenced Program / Remote
10. External Probe wire connect
11. Music / Steve Halpern Rx
12. Rem Super Pro sequenced Program Remote thru Theta 1 Box



Ray-Tube Plus Sound Probe



Transcribed letter from Linda Nannapel
of Celebration of Life, Escondido, Ca.

4/23/91

Tom,

Here is the only rendering I have of the Royal Ray Tube/Sound Beam. The Rife aspect of the more than 7 subtle energy healing modalities has 3 frequencies (728, 690, 666). Rife himself chose 4 universal frequencies when he was going to put 4 radio towers up in San Diego. And for the last 15 years these frequencies alone have successfully treated everything from A to Z. There is no need to have a frequency per disease as Rife originally believed. Because of the success of these few frequencies it has been realized that it's not the carrier wave that is the primary factor, but the harmonics. The harmonics of the tube unit goes into the gigahertz (10 billion) plus the scalar wave activity is much higher than in the pad units. However for nerve/muscle issues where there is immobility I recommend the 'pad' unit over the tube for simple expansion-combination-exercise of the muscle fibers. I can get you a Rem Super Pro pad unit created by Ed Skilling for \$1,200 - it has 3 frequencies which are automatically cycled for ease and convenience. I have a friend who tried everything for her ch. EBV and it was the Rem Super Pro that cured her.

If your wife has immobility at all I recommend the pad unit. If not, then the Ray Tube or Sound Probe. Of course, the ultimate is the Royal Ray-Tube/Sound Beam. The Radionic sweep well is incredible, with voice activated potentizer and of course the muscle toning. Twice would be ideal for muscle problems. Diet is critical with MS and EBV, as with everything. Did you get a Ed Skilling tape? The Rife technology will definitely help both issues - and for all health imbalances.

In Perfect Health, Lovingly, Linda

EXTENDED RANGE ELECTROACUPUNCTURE ELECTRO-REMEDY THERAPY

The recent advent of ElectroMagnetic - Antibiotic frequencies. Raymond Rife, as early as 1930, discovered that high frequency electromagnetic energy could destroy pathogenic bacteria, viruses, and fungi without harm to the human body. He spent over thirty years researching and developing this phenomenon, yet his work was largely suppressed.

The notion occurred to the author to employ their use in ElectroAcupuncture since previous use was non-specific broadcast use by transcutaneous stimulation (TENS). By using these frequencies, we would get not only an antibiotic effect, but also an acupuncture effect, thereby being more holistic and specific. Additionally, with the Medication Test we could identify the specific frequencies needed for the "patient, not the disease."

Clinical results have proven that Rife frequencies have added a whole new dimension to electroacupuncture. Previous pulsed therapy was confined to the earth's ELF (extremely low frequency) spectrum. With the Rife effect we are obtaining quicker resolution of acute infections, especially when used over strategic acupuncture points.

Rife identified eleven basic frequencies for a variety of complaints:

- 2127 Hz: Carcinoma virus "BX." This frequency also found useful for Epstein-Barr virus, leukemia, carcinomas, polyps, and candida.
- 2008 Hz: Sarcoma, Fibroma, verruca.
- 1550 Hz: TB, Herpes I & II, Herpes Zoster, Eczema.
- 1500 Hz: Polio virus, Arthritis, thrombophlebitis.
- 880 Hz: Streptococcus, Pertussis, Hepatitis, MS, Rubella.
- 800 Hz: Influenza, E. Coli, Muscular dystrophy.
- 787: Rubella, Pneumonia, Salmonella, Varicella, Acne.
- 727: Staphylococci, Diphtheria, Candida syndrome, PID.
- 660: Gonorrhea, Post-mono-nucleosis.
- 625: Syphilis.
- 120: Parasitosis.

Recent research has revealed, however, that in order for the body to biologically accept any frequencies, they must demodulate into ELF. ELF is part of the earth's natural electromagnetic pulsations. Our body's neural and endocrine systems is in fact modulated by these circadian rhythms. The author's research has shown that when Rife frequencies pass transdermally, the frequencies are demodulated as they move from the distal site. Which led to the next line of

clinical research: pulsed modulation.

PULSED MODULATION, THE SECRET TO ELECTROTHERAPY

In order to obtain the ultimate acupuncture effect, we utilize pulsed harmonics. In this regards, a low frequency wave acts as the carrier for the Rife frequency. This insures maximum biologic absorption and utility. The ELF frequencies are chosen on the basis of color-sound harmonics.

The author has over ten years experience with pulsed harmonics in electroacupuncture. The clinical utility is unsurpassed over other devices.

TRANSDERMAL IONIC MEDICATION

Pulsed modulation also provides another unique feature - active absorption of ionic medicaments. A major part of Chinese herbalism is the use of topical liniments, balms, and creams for superficial disorders. It is well known in electrophysiology is that active absorption of medicaments takes place from positive to negative poles. When delivered with long-wave autopolizing currents, the Biotron makes them penetrate with ease.

Toxic blocks in the connective tissue is cited as one of the most significant obstacles to the use of well selected constitutional homeopathics or acupuncture of the ancestral vessels for regeneration therapy. A course of treatments of Electronically Assisted MicroMassage SubMeridian Therapy utilizing topical balms will go a long way to achieving this goal.



The Phoenix symbolizes the arrival of celestial freshness. Trauma, injury and pain is blocked energy at the tender (Ah shi) points, preventing rapid healing. Application of Phoenix Balm with electronic massage brings rapid relief and opens the channels. Phoenix Balm also opens up chronic toxic blocks and prevents after-treatment soreness.

"SHARPMAKER"

Recently, Germany has seen the invention of one of the best light-source microscopes in the world. This equipment will lead to better diagnosis for common diseases and reveal new answers for cancer and other problems. But, the optical industry wants nothing to do with it. You see, they believe that it is not theoretically possible for this new microscope to work.

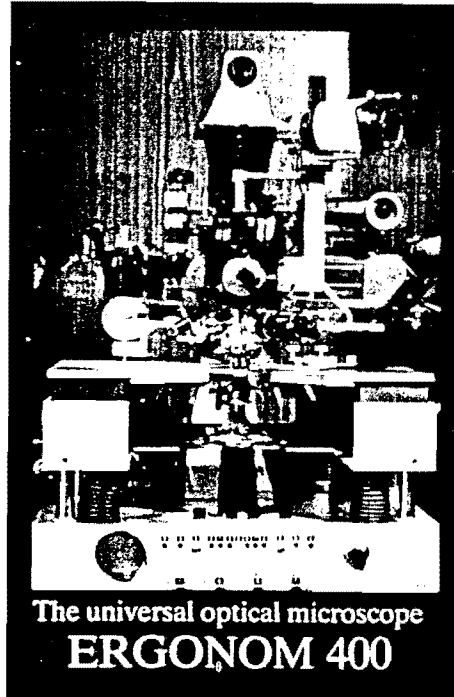
Kurt Olbrich, the inventor of the microscope, lives by his early teaching that "Nothing is impossible." He believes that one should only say, "I cannot do it now, but it depends on me."

The 56-year-old scientist always follows this philosophy. Twenty years ago he wanted to design a new microscope which would open new worlds in microscopy. He remembers that the experts in industry and research told him to "Forget it!", that "It's impossible!", and "There's a physical limit which will not allow it." The last statement presented a challenge and became his motivation.

Mr. Olbrich has always liked to start where others stop. He does not think in the typical linear manner, but looks at situations in quite a different way. His different approach to the problem of magnification has resulted in the design of a light source microscope which seems to overcome the laws of physics.

Professor Kurt S. Zanker, Head of the Institute for Immunologie at Witten/Herdecke University, got very excited about the microscope. "It is fantastic. I have never seen such things before." I asked Dr. Zanker, "But don't

we have excellent electron microscopes which give us a view into atomic dimensions?" His reply was, "Of course we can do breath-taking enlargements, but in biology this is not significant because you can only watch dead materials and have only a momentary view and not the process of life. Using light microscopes you can watch the dynamic processes [of life]."



The new Olbrich microscope, Ergonom 400, obtains a magnification of 25,000X, and at this level it far surpasses the best light source microscopes known today. Besides the excellent resolution, we find an uncommon reproduction of the hue of colors and a most unusual depth of field. Normally the depth of field is reduced by increased magnification. This does not take place with the Ergonom 400. Mr. Olbrich seems to succeed in solving the

problem of the quality reducing combination of resolution/depth of field. The results are fantastic, stereoscopic pictures which make it seem like you can look through the material. I was impressed with the pictures of the network of the structure of bones and even more overwhelming were pictures of materials during their dynamic processes of life.

Dr. Zanker had the following to say after watching a new video taken through the microscope, "Outstanding! We can watch a lymphocyte approaching a large cancer cell, touch the cell wall with contact and inject a liquid into the nucleus, then watch the lymphocyte go away and the cancer cell go through a process of dying."

Presently there are two microscopes at university medical schools.

(The foregoing is an excerpt from an article by Knut Schonbeck in Capital, Jan 91)

Currently, research projects utilizing the Ergonom 400 are being conducted by Bernhard Muschlien in the areas of AIDS, cancer and Legionnaires' Disease. There appears to be no question that the new microscope has opened up the possibilities of obtaining new information regarding these very difficult medical problems.

But even more important is the fact that the new microscope has validated some of the findings made by scientists in the 30's, 40's and 50's concerning pleomorphism. Today we enter into seemingly new worlds, but we should not forget the work of these pioneers from the past who had the courage to present their beliefs against strong opposition.

COMING SOON

- Watch for an exciting article about World Research Foundation appearing in the March 1991 issue of EastWest magazine.
- Watch for the WRF Catalogue featuring books, transcripts, audio and video tapes. The catalogue will present materials from the 1986, 1988 and 1990 WRF International Health Congresses along with selected books of interest.
- World Research Foundation will be establishing a Technology Development and Exchange Division. This division will be involved with exchanging technologies for health and the environment between Europe, the Far East and the United States. Another function of the division will be to provide inquirers with solutions for technological problems related to health and the environment.

Peering into the mystery of disease

by Monte Leach

Appendix 70 In addition to Appendix 74 (see endnote 4) Gaston Naessens of Montreal is also supposed to have a super scope. Information on the "400" is included so that the reader may know that others are trying to approximate Rife's microscopes.

"Why should the public be interested in this work?" I asked the German gentleman somewhat naïvely.

Without pause, he tossed a question back: "Do you think it was important to develop the electron microscope?"

The response turned out to be no exaggeration. Bernard Muschlein, the German gentleman in question, heads a research team which uses a powerful new microscope, the Ergonom 400, to study illnesses such as cancer, AIDS and Legionnaire's Disease. The group's findings are challenging long-held assumptions on the nature of disease itself.

Until now, light-source microscopes could reach magnifications of about 2,000 times, allowing limited live observation of bacteria, but not of smaller, virus-sized micro-organisms. Electron microscopes can reach magnifications of up to 400,000 times, but because they work with x-rays and an evaporated vacuum, cannot be used to view living cultures. The Ergonom 400, a

'light-source-like' microscope with magnification capability of 25,000 times, allows observers to view, for long periods, the development cycle of living micro-organisms as small as viruses.

Such a breakthrough in technology was achieved over a 30-year period by the microscope's inventor, a pioneering German scientist named Kurt Olbrich. He disregarded industry experts who told him that his goal of inventing a new super-microscope was "impossible. There's a physical limit which will not allow it."

Olbrich's invention does seem to overcome known laws of physics, and has baffled some in the optical industry who say it is theoretically impossible for his microscope to work. Yet the proof is in the pudding. After looking into the Ergonom 400, Kurt Zanker, Head of the Institute of Immunology at Witten/Herdecke University, told a reporter for *Capital* magazine: "It is fantastic. I have never seen such things before." A group of leading scientists in England

have called the microscope a major development in the field. Videos taken from the Ergonom 400, in their first showing in the US, were a highlight of a World Research Foundation conference, "New Directions for Medicine," held last October.

Speaking for the facts

Bernard Muschlein, who brought the videos to the US, and was a featured speaker at the conference, is an engineer by training, a health practitioner by profession, and a long-time cancer researcher by passion. In 1987, he suggested to Olbrich that the Ergonom 400, until then used for industrial purposes, should be tried in biological and medical applications as well. Muschlein became the head of a research team doing just that.

"In the beginning, facts do not speak for themselves," Muschlein says in one of the videos. "One has to speak for them until they become the common knowledge of humanity."

The "facts" referred to by Muschlein run "contrary to orthodox medicine, and completely contrary to orthodox research." But not contrary to some unorthodox, or at least largely unknown, research conducted over the past 100 years. In the late 19th century, Antoine Bechamp, a French biochemist and toxicologist, discovered tiny, moving bodies in everything from human beings, animals, and plants, to soil, swamps, air, and water. He called these microscopic forms 'microzymas', and believed they were one of the fundamental building blocks of life. Bechamp found that when a life-threatening trauma occurred in an organism, the microzymas could change form and begin destroying the body of their host. Similarly, these microbes could 'devolve' back into their previous, benign state.

Bechamp concluded that certain conditions in an organism evoked the appearance of specific micro-organisms, and that such micro-organisms were, therefore, a symptom rather than a final cause of disease. Changes which took place within the body led to disease states, he said.

Bechamp's theory of pleomorphism (the occurrence of more than one distinct form of an organism in a single life cycle);



Bernard
Muschlein

➤ contradicted the 'germ' theory espoused by his more famous contemporary and rival, Louis Pasteur, who determined that germs from outside the body caused disease. Pasteur's theory has held sway in Western medicine for over a century.

But Bechamp was only the first in a long line of researchers who have found evidence of pleomorphism. Gunther Enderlein, in the first third of the 20th century, discovered form-changing micro-organisms which he called 'endobionts'. Von Brahmmer later called them 'Siphonospora polymorpha'. The contemporary Canadian biologist, Gaston Naessens, has viewed and studied the life cycle of such bodies, which he calls 'somatids'*. Over the years, others, including the extraordinary microscope inventor and scientist, Royal Rife**, have also provided evidence of pleomorphism.

Muschlein's work with the Ergonom 400 follows in this tradition. "Von Brahmmer and others found a special microbe in the human blood," Muschlein says. "This microbe is present in all human beings. In its early stages of development, it is symbiotic, living friendly within the body, in harmony with the immune system. When a person becomes weakened, by surgery, infection, vaccination, stress, and so on, the microbe changes its cyclogenia (cycle of development). It becomes larger, aggressive, pathogenic, parasitic. These larger forms are found in the blood of people threatened by, or suffering from, cancer. With the Ergonom 400 one can observe at what stage this microbe exists."

By examining the stage of development of this micro-organism in the blood, Muschlein says, one can determine the state of health, or conversely, the level of pre-cancerous or cancerous conditions in the body. One substance that tends to change this micro-organism into larger, more aggressive forms is that old nemesis, sugar. "That means a cancer patient cannot eat refined sugar," Muschlein says. Beyond that, anyone who is sick who wants to heal should also not eat sugar, he contends.

Which foods tend to strengthen the immune system? "Salads," he says. "But for that observation, you don't need the Ergonom 400."

The microscope does have potential applications in such areas as the testing of medical treatments. "For example, if you find 13 or 15 viruses in a blood specimen, and you treat the patient and repeat the test three months later, and find in the same field

only three viruses, that's a good control for the effectiveness of your treatment." This new technology, Muschlein says, could make animal testing unnecessary, as the reaction of substances on living cells can now be viewed for long periods under a microscope, rather than in the bodies of laboratory animals.

The Ergonom 400 can be used as a tool for AIDS diagnosis and in the testing of substances to combat AIDS as well. The microscope has been able, for the first time, to discern three distinct stages of the AIDS virus in living tissue. Long before a person tests positive on the AIDS antibody test, Muschlein can see the presence of 'red crimson particles' in the blood, denoting an AIDS infection.

Muschlein has found that the AIDS virus can actually 'transform' full spectrum white light into red. Healthy red blood cells, he says, transform white light into yellow. Such findings confirm the research that Royal Rife conducted decades ago. Rife discovered that when he used certain frequencies of light to illuminate a specimen under his microscope (frequencies which resonated with the specimen's own unique chemical structure), the micro-organism emitted its own light of a characteristic color. He called this property 'optical resonance'. Rife also found that micro-organisms could be destroyed by using specific frequencies. He used this discovery to kill cancerous tumors in laboratory animals, and later in human beings. Muschlein says that his preliminary findings confirming Rife's optical resonance work "could open a door into a great field of research."

At present, a total of five Ergonom 400 microscopes are in use by researchers in Germany, England and Japan. Microscope research and development thus far has been funded privately by Muschlein and others. He says over DM2 million have been spent out of pocket. Meanwhile, inventor Kurt Olbrich is working toward a breakthrough which would enable an increase in the Ergonom's magnification of up to two or three times. But for that, Muschlein says, and to further his own research, "we need more money."

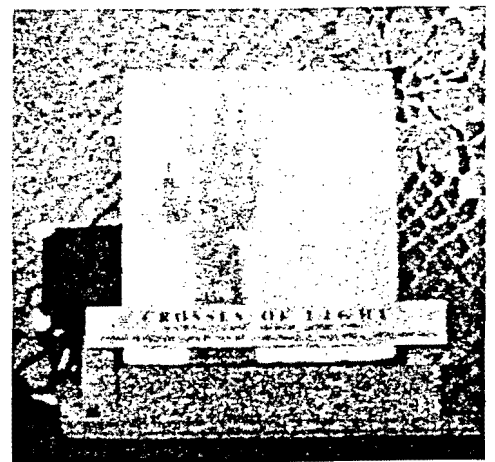
As my interview with Muschlein ended, I found myself answering the question I had originally posed to him on the significance of his work: "The implications of this information could completely change the world of medicine," I said.

"There's the rub," he replied.

People wishing to support Muschlein's work can send donations to a special fund set up by the World Research Foundation, indicating that the contributions are meant specifically for Ergonom 400 research. Send donations to: World Research Foundation, 15300 Ventura Boulevard, Suite 405, Sherman Oaks, CA 91403; Telephone: 818-907-5483

* For more information on Naessens' work, and his trials with medical and legal authorities, see Christopher Bird's book *The Persecution and Trial of Gaston Naessens*, published by H.J. Kramer, Inc.

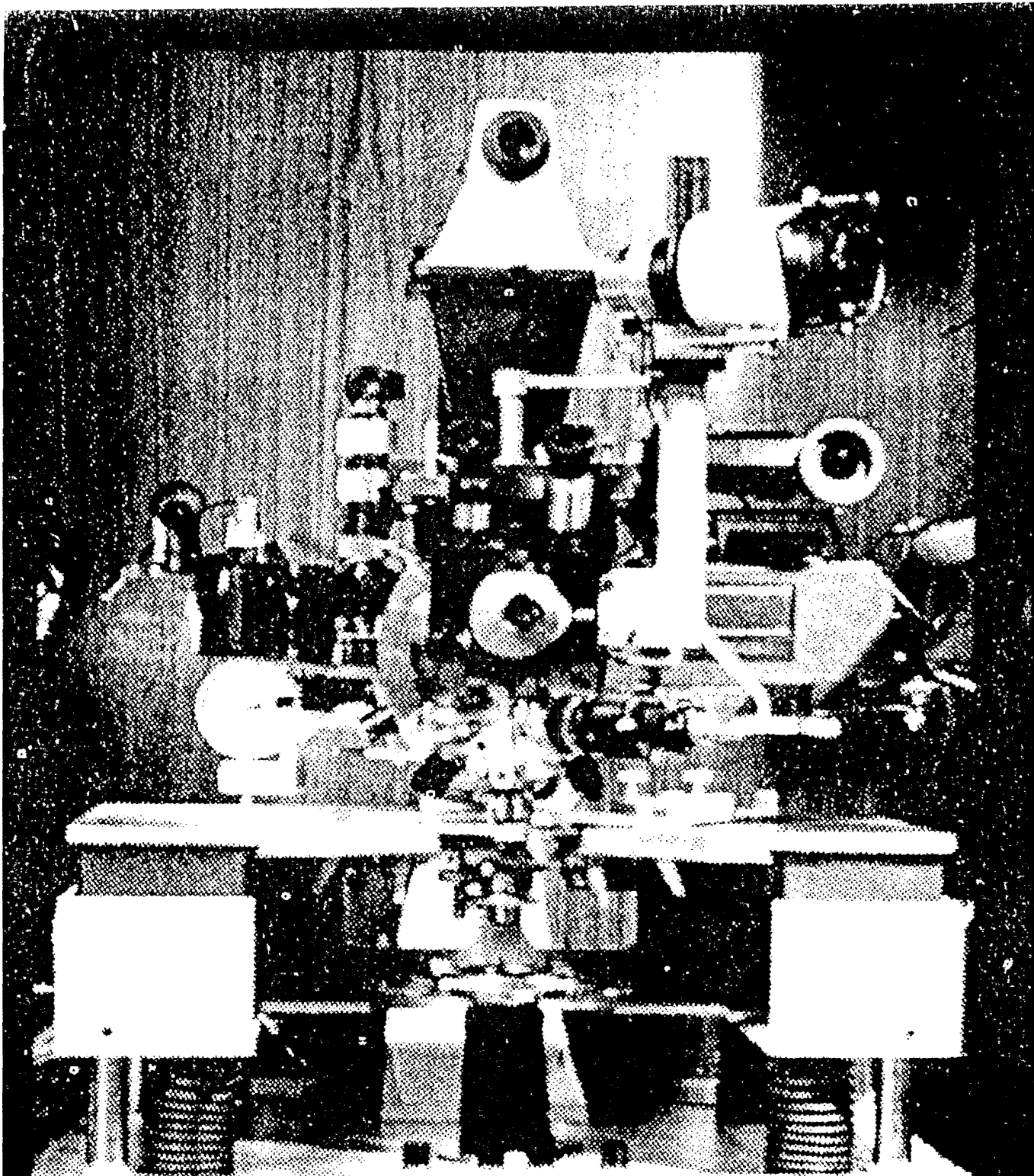
** For more information on the work of Royal Rife, read *The Cancer Cure That Worked — Fifty Years of Suppression*, by Barry Lynes, published in Canada by Marcus Books.



As we noted in the previous issue of *Share International*, the recently formed Filipino group has been given a piece of glass with a cross of light in it. A photograph taken by one of the members on Easter Sunday revealed an equally remarkable phenomenon: on the developed film a hand raised in blessing had mysteriously appeared. Benjamin Creme's Master confirmed that Maitreya is responsible for this manifestation.

Next issue

Next issue (*Share International* Vol 10, No.7) will appear approximately two months from now. Readers will receive it by the end of August 1991.



This microscope has been out for at least two years (from 1992) and has yet to cause waves. This makes me wonder if it really works. As with the Gaston Naëens scope, this scope should go one on one with standard light source scopes in public demonstrations.

The universal optical microscope **ERGONOM 400**

Peter Tocci, M.T. *III*

The intent is not to reproach, but to encourage a response which will facilitate the transition of Naessens' work into wider acceptance and use, if appropriate; because, it is around such questions, if left to flounder unanswered, that scorn and rejection of the work might well arise.

Last time, we promised to share a "full" report of the symposium presented by Gaston Naessens' Centre D'Orthobiologie Somatidienne in Sherbrooke, Québec at the Delta Hotel on June 8 & 9, 1991. Of necessity, this will be an expanded report, but by no means full, because it isn't remotely possible to cover all aspects *and* do them justice without filling half the magazine! Some things must be left out, unfortunately, or merely touched upon. This is especially true here because of the overriding importance of some questions surrounding several important scientific aspects of Naessens' presentation. In fact, we had some very nice interviews with a number of interesting attenders and panelists, but their presentation must be superseded by attention to these matters. We may be able to present them in future issues.

Our approach will be first to offer a general description of the schedule of events and presenters, and then share a

DIMENSIONS OF HOLISM

Views on the 1991 Symposium: From Bechamp's Microzyma to the Somatid Theory

(a brief overview and report on some questions which arose)

By Peter G. Tocci, M.T.

more detailed view from the "trenches" which will center around some controversial matters. The intent is not to reproach, but to encourage a response which will facilitate the transition of Naessens' work into wider acceptance and use, if appropriate; because, it is around such questions, if left to flounder unanswered, that scorn and rejection of the work might well arise.

There may be some new readers of HC who haven't heard of Gaston Naessens or the biological tradition of which he is one "bookend," along with his counterpart Antoine Béchamp in the last century . . . the observers of fundamental "life particles" in living organisms. Regular readers will be familiar, since we did the feature on Naessens last December, and have run many stories on Béchamp. We won't repeat all *in detail* here, but recommend two books for background: *Béchamp or Pasteur?* by E.D. Hume available for \$15 + \$2.50 from Health Research at Box 70, 8349 Lafayette St., Mokelumne Hill, CA 95245 (more technical is *The Blood*, by Béchamp himself, \$22.50 + \$2.50), and *The Persecution and Trial of Gaston Naessens* by Christopher Bird, available for \$12.95 + \$2.50 from The Gaia Institute, 5484 Trimble Rd., Atlanta, GA 30342. (404) 256-9002.

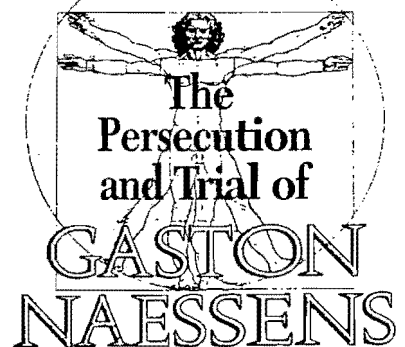
The central thesis of the above tradition is that in all living things, the basic unit of life is not the cell, as in the traditional concept, but a virtually indestructible, imperishable, independently living element which is at the origin of life, or of all biological organization (organized

beings), as Béchamp would say. A crucial aspect is the suggestion that microorganisms of many kinds evolve within higher organisms from this element. "Germs" are expressions of the ambient condition of disease (or health), and are therefore symptoms not cause.

Dubbed *Microzyma* by Béchamp and *Somatid* by Naessens (and various other names by the considerable number of "books" on the time-shelf between them), the particle apparently contains, or transmits, information which expresses as the complex form and function of the individual. It is thus said to be a precursor to DNA, which is its tool or mechanism for the further creation of cellular structures. And it initiates the simplification of form (decomposition)

Christopher Bird

Co-Author of the International Bestselling
The Secret Life of Plants and Secrets of the Soil



The True Story of
the Efforts to Suppress an
Alternative Treatment for Cancer, AIDS, and
Other Immunologically Based Diseases

Mr. Naessens held the symposium to explain his work more fully and to consolidate, reinforce and expand a core of followers. That is apparently what happened for most of the diverse and extraordinary contingent of around two hundred

via microorganisms when the life cycle is complete. So it is a very busy entity!

Over the years, although many scientists have studied and theorized about the particle, it has remained elusive. More recently, Gaston Naessens, a French-born emigré to Québec, who has pursued it for many years, inadvertently brought to trial (and acquitted) for medical quackery concerning the cancer treatment which arose from that long pursuit. He developed a special microscope, the *Somatoscope*, that he claims reveals the existence of the particle, which allegedly varies in size in a wide range from "a few angstroms (angstrom = one ten-billionth of a meter) to a tenth of a micron" (millionth of a meter). With his microscope, he claims also to have identified its form-changing evolutionary cycle in culture and to have identified in a correlative relationship various stages of that 16-stage cycle in the blood of people with cancer / degenerative disease.

A venturesome, but as yet insufficient (for unequivocal verification/refutation), number of scientists and doctors have taken interest. Mr. Naessens held the symposium to explain his work more fully and to consolidate, reinforce and expand a core of followers. That is apparently what happened for most of the diverse and extraordinary contingent of around two hundred, whose members came from thirty-two of the United States and four foreign countries, represented a wide variety of professions and callings, and included several grateful recipients of Naessens' 714-X treatment. For a select few however, the result was a residual decrease in a high level of pre-symposium enthusiasm.

The gathering comprised doctors of medicine, osteopaths, acupuncturists, microbiologists, foundation directors, dentists, research directors, homeopaths, nutritionists, microscopists, businessmen, health consultants, laboratory technologists, engineers, naturopaths, chiropractors, teachers, writers and journalists. Did I leave anyone out? Probably! Many I spoke to there were delighted with the quality and diversity of the crowd.

After breakfast at 9:30 AM on Saturday, June 8, we settled down to hear opening remarks, followed by an historical introduction by acknowledged expert Christopher Bird, to the history of pleomorphic (form-changing) microbiology and the attendant subject of the pursuers of "life particles" or fundamental biological entities. Author Bird held forth for a good hour, leading us carefully from the seminal work of Antoine Béchamp to Günther Enderlein, German zoologist of the early 20th century who named the *protit*; to Royal Raymond Rife, a microscope genius who clearly demonstrated pleomorphism but who never identified a life particle; to Wilhelm Reich (*bion*), Austrian immigrant who died in an American prison.

This last fact heralds a main emphasis in Bird's delivery, namely, that in addition to their common scientific theories, many of these pioneers have experienced inexcusable persecution, rather than open examination, at the hands of orthodox science.

Following this colorful exposition, we took a break to prepare ourselves for the day's main event, an address by Gaston Naessens and the unveiling of a new video on his work. Mr. Naessens exudes

a genteel sincerity, and, though showing some signs of the stress of putting on such an event, proudly and humbly prepared us to see the video, which he said would speak volumes in his staid.

The video has four main emphases: Somatid theory, the Somatoscope and its unusual operating principles, the many microbiological forms Naessens has identified in the blood which he claims evolve from the Somatid and which indicate, but not cause, disease conditions, and the 714-X treatment theory and practice. There is an earlier video as well, and it seems that one would do best to view both, as they feature different aspects. Two matters emphasized by Mr. Naessens were: (1) the incremental relationship of his work, as opposed to being a "whole truth," in the larger historical picture and (2) the warning that no one should think that he/she would immediately be able to make accurate, conclusive blood evaluations upon returning home following the Symposium.

Many questions of curiosity and some of concerned challenge arose following the video as well as the live demonstrations on the second day. Of the first kind, one outstanding one was the source or nature of the Somatid, to which Naessens replied that he felt it to be a link between the material realm and the realm of cosmic energy . . . primary manifestation. Of the second kind, there was that of potential confusion in what is being seen under the microscope and referred to as Somatids and other forms. The next section will deal with this and other such questions in detail.

Following Mr. Naessens and lunch was another main highlight of scientific nature. Walter Clifford, an experienced erudite, extremely articulate microbiologist/immunologist from Colorado Springs offered observations and now illumined mysteries from his work as support for Somatid theory. He noted that work he had done in the 1970's for

One of the most outstanding issues is the question of what it is we are seeing in the microscope which are being referred to as Somatids. A second, and perhaps no less important question in Riordan's mind is the lack of a detailed description of the scientific or other (such as purely intuitive) process that led from Somatid theory to the 714-X treatment

We haven't yet been able to bring a reasonable amount of our country's enormous research capacity to bear on such important issues. That situation may be a considerable contributor to the existence of many of the questions.

the U.S. Army Natick Laboratories in Massachusetts showed that presumably-killed bacteria were "recoverable" after exposure to extraordinarily high levels of radiation and heat. Were they merely reverting back to Somatidian state, which is said by Naessens to withstand such abuse and still be culturable? No conclusive answer was given, but it is possible.

Other fascinating work presented by Clifford included research with heavy metals . . . their gene-damaging behavior and carcinogenicity, and mercury's ability to create *antibiotic* resistance in bacteria! He went on to say that "radiation is ludicrous" (as a cancer treatment) and that penicillin (and antibiotics in general) is "an absolute disaster." One reason for the former is that his and Naessens' work suggest that cancer is a general condition which localizes. Antibiotics, rather than killing anything, cause form-changing behavior, probably driving the bacteria cell-wall deficient and then into the Somatid macro-cycle!

A refreshing change of pace occurred as the podium was gained by one Jacinte Levesque, president and directress of the *Cliniques Santé Levesque*. Located in St-Jean-sur-Richelieu, Quebec, this holistic outpatient clinic features a multifaceted approach, including 714-X when appropriate and desired. She emphasized collaboration with orthodox medicine and described the clinic's program as it relates to holistic philosophy, especially the emotional/spiritual aspects. Unconditional love is a key there, as well as the feeling that disease . . . all trouble . . . is a message calling for faith in life and the cosmos to marshal healing energy. She said Somatids may contain genetic, biophysical and mental/emotional information, but it all comes from deeper Consciousness.

So much for Day One. The place was certainly buzzing, and the interactions and shared ideas were amazing to behold. In general, people were pleased, and more than pleased, with the presen-

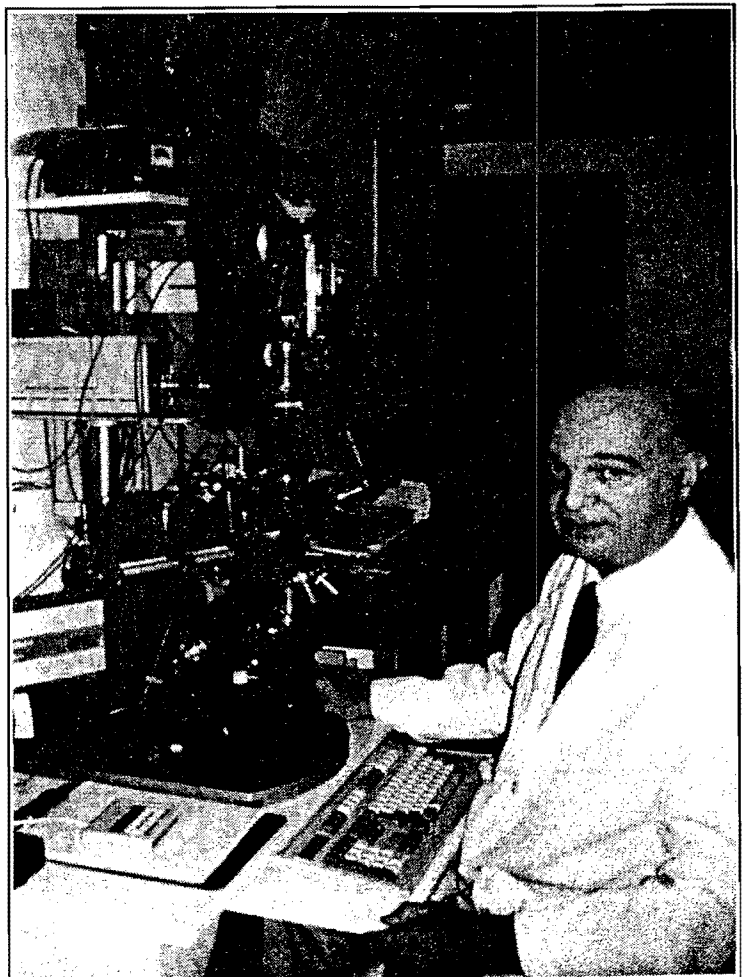
tations. The second day featured a brilliant, albeit read, delivery by F. William Grimm (whose bio I have embarrassingly misplaced). He discussed the damaging aspects of scientific fundamentalism, especially the *bias* of reductionism against any and all ideas unverifiable by its frequently arbitrary, mechanistic, narrow-sighted, empirical paradigm.

The remainder of the day was devoted to the highlight of the Symposium: live, movie-screened, microscope examinations of the blood samples of eager volunteers. In use were dark field microscopes utilizing Naessens newly-developed condenser . . . the part of a microscope that brings light to bear on the subject. Naessens, though unable to pronounce any disease diagnoses in what he saw, gave general interpretations. To most eyes, both trained and untrained, much of what was seen was impressive and awe-inspiring. To some trained eyes, some of what was seen was questionable. The details of this and other controversial matters follow.

For Beverly A. Rubik, Ph.D. (biophysics), director of Temple University's Center for Frontier Sciences in Philadelphia, there was intent and expectation to offer help in the transition of Naessens' research into a form the mainstream could get its teeth into.

For Neil Riordan, research coordinator of the Center for the Improvement of Human Functioning in Wichita, there was the excitement of reinforcing the intense enthusiasm he had developed during an initial visit to Naessens' Rock Forest lab about a year and a half earlier.

It is from these two individuals, who actually arrived in a very positive frame of mind, that the questions eventually arose. Some of the questions were asked during the designated periods following panelist (including Naessens) presentations, while others arose in conversations and interviews held during breaks. The issue is not that certain aspects provoke questions, since that is expected, even desired. It is felt that there has been a certain puzzling lack of directness or insufficiency in response, so the questions linger. Neither Dr. Rubik nor Mr. Riordan convey any malice or disrespect, but only concern and some frustration, feeling that the questions are fair and necessary, and that this research arena is too important to have unneces-



Gaston Naessens

It must be said on Mr. Naessens' behalf that for many years, his only, albeit extremely capable, partner has been his wife. They may not have had the luxury of the facilities or time to do many things he may have wanted done . . .

sary loose ends. Both feel also that Naessens is sincere in his work.

One of the most outstanding issues is the question of what it is we are seeing in the microscope which are being referred to as Somatids. Riordan, who has examined nearly a thousand blood slides, and who has reviewed a good deal of scientific literature on blood studies, asked this question of Naessens in open forum the first day by noting that a substantial increase in the number of Somatids has been observed following meals. Why? The reply was that there is an increase in similar-appearing microscopic droplets of fat known as *chylomicrons*, and the simple way to eliminate them is to add a drop of solvent to the slide that will dissolve them. The difficulty arose, and remains, that when the live demonstrations took place on the second day of the Symposium, no dissolution was performed before or after any meal, yet judgments about the number of somatids were being made, which number is claimed to be an important health indicator.

Stephane Sdicu, a director at Naessens' Rock Forest center says that the chylomicrons stay at deeper layers in the slide and one can focus on the shallower level for the somatids. But why attempt to manipulate such an equivocal situation when the solvent removes all doubt? Besides, no attempt at such focal distinction was described during the demonstration.

A second, and perhaps no less important question in Riordan's mind is the lack of a detailed description of the scientific or other (such as purely intuitive) process that led from Somatid the-

ory to the 714-X treatment, which is an intralymphatic injection of a derivative of camphor. He says he asked that question a number of times without having gotten a straight answer. His comment in interview during a symposium break was that it remains a big mystery and mysteries and science are incompatible. This is not to say he is questioning the value of the treatment, because many have apparently been helped, and it hasn't been fully and openly tested.

Therein lies a situation which also affects theoretical aspects, in that we haven't yet been able to bring a reasonable amount of our country's enormous research capacity to bear on such important issues. That situation may be a considerable contributor to the existence of many of the questions. Certainly, if open-minded scientific curiosity were the norm, and even a small amount of that total capacity were brought to bear, such issues would be rapidly resolved. The longest period might be needed to test the efficacy of 714-X to the satisfaction of the medical orthodoxy. Determining whether or not the somatid will culture into the 16-stage cycle, as Naessens claims, would take less time.

And the question of the existence of the life particle, given the unusual properties of indestructibility and electrical charge claimed for it, could be rapidly ascertained (it's *analysis* is another matter). But there is another question that both Riordan and Dr. Rubik have raised which has a bearing on this and which leads to another major issue.

According to them, to this point Mr. Naessens has not generally provided a repeatable procedure for isolating the

particles, culturing them, and putting them to tests already performed and vaguely described in Christopher Bird's book, namely high temperatures and high radiation. The larger issue which this raises in Rubik's mind, and which is her professional *raison d'être*, is that M. Naessens, or the people around him, did not seem by Symposium-time to be sufficiently concerned with "taking the detailed baby steps necessary to build bridge between where he's at and the mainstream." This holds true, according to her, for the Somatid theory / cycle lack of development of a "full-blown diagnostic guideline (meaning, in part, quantified), the inadequate documentation of case studies involving the treatment for cancer and degenerative disease, and lack of analysis of the somatid itself.

By way of comment, it must be said on Mr. Naessens' behalf that for many years, his only, albeit extremely capable partner has been his wife. They may not have had the luxury of the facilities or time to do many things he may have wanted done, such as prepare a stack of detailed case studies that would light the fire of, say, a Sloan-Kettering director. This is a difficult enough process without being, as he has been, hounded and persecuted around the globe by a seemingly threatened "authority." Apparently case records were assembled for use during the trial, since it was basically upon the testimony of recipients of 714-X that he was acquitted.

He is a biologist, not an M.D. Also, his parameters for wellness include a microscopic blood analysis which is entirely foreign to doctors. The difficulty of getting corroborative, documenting assistance from mainstream physician or cancer hospitals cannot be imagined by most of us. In addition, as Bird points out in his book, many recipients, once feeling better and feeling as though the cancer is gone or under control, do not wish to subject themselves to the interminable, Frankensteinian prodding, X-rays (cancer-producing?) and testing of orthodox medicine. It is often a trauma in itself. The process may be intensified also if a person has "defected."

Regarding analysis of the Somatid, its unique qualities, if true, present greater than normal challenge in probing its secrets. The likely challenges in-

Regarding analysis of the Somatid, it's unique qualities, if true, present greater than normal challenge in probing its secrets. The likely challenges involved in finding and paying for such work, which might require an unusual approach and special equipment, might be taken into consideration.

It has been argued also, by Water Russell in particular, that the great mass of mainstream scientific empiricism, which, as Rubik has said, has no ultimate proof of anything, is invalid. This is based on the spiritual teaching that the senses and their extensions cannot penetrate to cause, but get stuck in illusory effect. Perhaps this is what we should be more concerned about and working on.

volved in finding and paying for such work, which might require an unusual approach and special equipment, might be taken into consideration.

There is the further example of the two instances where Naessens has submitted his work to be verified by universities in Canada. According to Bird's book these instances have been severely compromised by egotistical, narrow-minded incompetence, if not sabotage. A different but similar example of this is the case of Stanislaw Burzynski, M.D., Ph.D. here in the U.S. He has done everything by the book, creating impeccable research just the way "authorities" want it. His initial reward was having the National Cancer Institute funding postponed in the late '70's at Baylor University in Texas just as he was poised to bring promising lab work to human (Phase I clinical) trial. His latest reward has been to have his research institute embroiled in litigation and hammered daily by depositions from Aetna Casualty in an attempt to disrupt activity and break him financially.

Again, Harry Hoxsey, a multi-millionaire Texas oil man who developed an herbal cancer therapy after healing himself, was repeatedly persecuted for attempting to make it available. He turned around and took the AMA/FDA to trial, in the late '70's I believe, won his case, and was still driven out of the country.

It could be, then, that the mainstream is perhaps the worst place to try to put anything threatening its worldview or showing promise, low cost and harmlessness. It has been argued also, by Water Russell in particular, that the great mass of mainstream scientific

empiricism, which, as Rubik has said, has no ultimate proof of anything, is invalid. This is based on the spiritual teaching that the senses and their extensions cannot penetrate to cause, but get stuck in illusory effect. Perhaps this is what we should be more concerned about and working on.

Finally, it must be said that the experience of others, such as Royal Rife, shows that coming clean with all pertinent data and leaving no doubt as to the validity of everything is not without its danger to life, limb and property, for it is then a clear threat to entrenched financial interests.

A concern registered in conversation at the Symposium by Jim Fouratt, incisive editor of Spin Magazine in New York City, was mis-use of available knowledge mediated by the possibility of greedy people acquiring Naessens' work. In this regard, he said, what is seen under the microscope becomes very critical, and though he trusted that Naessens knows how to interpret it, others might not be as careful or honest. Riordan agreed, but added that he had some question about even Naessens' interpretation of what was seen in preceding demonstration. One slide, which became a major focus of attention, showed many bad red blood cells, which Naessens commented on as notable. These, Riordan said, were damaged, or "blown" for the most part by the slide being squashed by the lens during the focusing procedure. He recognized this immediately as a common occurrence in microscope work, and remarked that anyone with that many bad red cells would not be walking around.

In a recent telephone interview, Ri-

ordan said, "I can create the same morphological bodies that Gaston calls 'asci' (pron. "ask-ie") by crushing the red cells. I sent Dr. Rubik a video tape on this. While reviewing the slide, I took the condenser and focused down until the condenser pushed on the slide. Then I brought it back up into focus, and presto! there were a bunch of asci." Asci are late-stage (#13-14) forms in the Somatid cycle, which, depending on a number of other factors, indicate a serious disease condition.

At the Symposium, the slide was said by Naessens to indicate a serious condition, which he could not specify under the circumstances, but which he said "by now" everyone should know. Later, the individual whose blood it was stood up before the gathering and read a detailed medical description of a serious cancer.

I asked Riordan if he'd ever seen anything he might call a Somatid. "The problem is you're looking at stuff very near or beyond the resolution of the 'scope, so it's impossible to tell what you're seeing... just little dots, basically. I've dissolved the chylomicrons and applied a powerful magnet to the slide as he (Naessens) suggests, with no response. I've tried culturing some things, with hit or miss results. And you never know what you're culturing. Again, there's no generally published procedure for isolation and culture.

"Also," he continued, "people at the conference were never informed that the bulk of the microscope video shots were time-lapse. Yet the high motility of these things was addressed. Dirt will do the same thing under time-lapse... wood, cardboard, cheese, you name it.

"The bulk of our work here right now

Riordan said, "I can create the same morphological bodies that Gaston calls 'asci' (pron. "ask-ie") by crushing the red cells. I sent Dr. Rubik a video tape on this. While reviewing the slide, I took the condenser and focused down until the condenser pushed on the slide. Then I brought it back up into focus, and presto! there were a bunch of asci."

Riordan and Rubik seriously question the Somatid theory with respect to the existence of this particle and the cycle. They don't feel that Naessens has yet presented convincing evidence of its existence.

is with red cell inclusions." These internal forms Naessens identifies as critical indicators in the disease process. There is a lot of material in scientific literature about parasitism of the blood. Naessens claims that these are not parasites but forms evolved from our own life particles. Riordan is not sure of their origin, but has no doubt about their existence and correlative increase in certain disease processes. He continues, "We're calling them 'blood cell inclusions,' because we don't know that they are. We have three different places doing electron microscopy of them, because they're beyond the resolution of our scope . . . and Naessens' it seems. I've looked through the Somatoscope, and unless there's something I haven't been shown, I see no more there than I do through my *modified* (HC emphasis) dark field unit."

Both Riordan and Rubik feel also that the clear superiority claimed for Naessens' new microscope condenser now being promoted, which is said to be a necessary upgrade for standard dark field to maximize detail view of forms *inside* the red cell, has not been definitively demonstrated. At the Symposium, four of us, Riordan, Rubik, Walter Clifford — one of Naessens' staunchest supporters — and I, were in the process of trying to get a comparative setup arranged to settle this point. It never got together, but Clifford did say that he suggested to Naessens it was something that should have been a part of the program. The others could not agree more.

Riordan and Rubik seriously question the Somatid theory with respect to the existence of this particle and the cycle. They don't feel that Naessens has yet presented convincing evidence of the particle's existence, although pleomorphism *per se* was not in question. Con-

cerning the whole tradition, from Béchamp down through Günther Enderlein, Wilhelm Reich and Bruno Haefli, Riordan says, "I don't know. It's too bad most of them are dead. I'd like to get those people together in a room and let us all talk about it, that's the main thing. Gaston has already decided what the life forms are inside the red cell, but when you're looking at stuff beyond the resolution of the microscope, I don't understand how he can decide it's all done."

There are many scientists and doctors who question the validity of the Germ Theory of disease. The theory of the life particle evolving into disease-related forms, complementing the theory of pleomorphism, makes a lot of "intuitive" sense. Says Riordan, "Right, but a question is, can Naessens reproduce culturing this stuff time after time? I don't believe he can, and I say again that at the Symposium a lot of the things that were shown were broken red cells. I've got tons of time-lapse footage showing red cells breaking down into asci and other forms, and you're welcome to come out and see. And there's just not enough people that have ever looked at this stuff, and that's why there are all these questions. By the way, I'm willing to share the plans to the simple modifications I've made to my dark field unit so others can easily do some of this research."

Implied in that statement is the need for some modification to dark field. While Riordan's is a different approach, the Naessens condenser seems to address that need. Perhaps Riordan has not given himself enough credit for evolving dark field technology?

There is still the possibility that the cell inclusions, released either by broken cells or by exiting the cell as the micro-

bial forms clearly shown in Naessens' two videos, are morbidly evolved forms of the life particle. If so, the question seems to be whether the particles exist primarily inside the cell or swarm in the blood as Naessens claims. Béchamp believed them to be the blood's "third anatomical element." In the Naessens videos, especially the older one, there is some impressive footage of chain-like forms growing right out of intact red cells, retracting to a round form and then breaking off into the medium.

The question of pleomorphic involvement in the cancer/degenerative disease process, an aspect which has been prevalent among "fringe-ers," has been recognized even in the mainstream. According to reporter Barry Lynes in his book *The Cancer Cure That Worked!*, 1975 tests at Sloane-Kettering "indicated pleomorphic bacteria-virus in all cancer blood tests, but they had buried the laboratory results" (p.25). This important area, the question of the viral/bacterial/fungal connection in the blood, perhaps as *indicators* of disease, is emerging as crucial. To know whether such forms evolve from a life particle is important. But with so few people working in this arena, the main question is, who do you . . . asci?

It seems vital that we get to the bottom of these issues. Fortunately, however, as is true in many areas of life, we don't always need to have the theory down pat to take advantage of application. Several physicians in the U.S. are now helping people to help themselves with 714-X. The doctors oversee and monitor the case while the patient or a friend is trained for, and sees to, administration of the treatment. Once such individual is widely known physician and author Dr. Robert C. Atkins, who operates a clinic in Manhattan. In fact, his is one of the interviews originally intended for our Symposium report.

Dr. Atkins' approach to medicine is alternative/eclectic, that is, he looks for combinations of non-toxic biologic agents for synergistic effect. When he heard about Gaston Naessens' work, he took it upon himself to go to Québec and learn about the theory and treatment for addition to his approach. While he understands that combining 714-X with other things breaks with Naessens' recommendations, he feels

In the Naessens videos, especially the older one, there is some impressive footage of chain-like forms growing right out of intact red cells, retracting to a round form and then breaking off into the medium.

that he was already getting a success rate equivalent to what 714-X alone might do. He reports very good success in using 714-X in his eclectic protocol, and has adopted a "pulsed therapy" in which 714-X and the other biologicals are phased in and out in an overlapping fashion.

... the two doctors related that after two weeks of 714-X following the Symposium, the blood picture had cleared up remarkably. Recently, his cancer doctor decided they could go in and get the tumor, which had been changed into an apparently non-threatening jelly-like mass he'd never seen the likes of before.

Two doctors from Hanover, Massachusetts are also overseeing cases where patients are using 714-X on themselves. Richard Cohen, M.D. and David Ganong, D.D.S. work together on this. Dr. Ganong has a Naessens condenser (with which he is quite happy) and is doing the microscope work, which is recorded on video tape and later "read" by Dr. Cohen to interface with the patient. These two physicians also took it upon themselves to go to Québec in the Fall of 1990 to learn. They reappeared at the recent Symposium with Dr. Ganong's father, who had lung cancer. His blood picture was shown on screen during the live demonstrations and had the dubious distinction of "looking the worst of all." In a conference call to me last night, the two doctors related that after two weeks of 714-X following the Symposium, the blood picture had cleared up remarkably even as Mr. Ganong began to look better. Recently, his cancer doctor decided they could go in and get the tumor, which had been changed into an apparently non-threatening jelly-like mass he'd never seen the likes of before. Since the symposium was held June 8 and 9, and it is now August 4, this progress has been made within two months!

What do Riordan, Atkins and Cohen/Ganong have in common? They

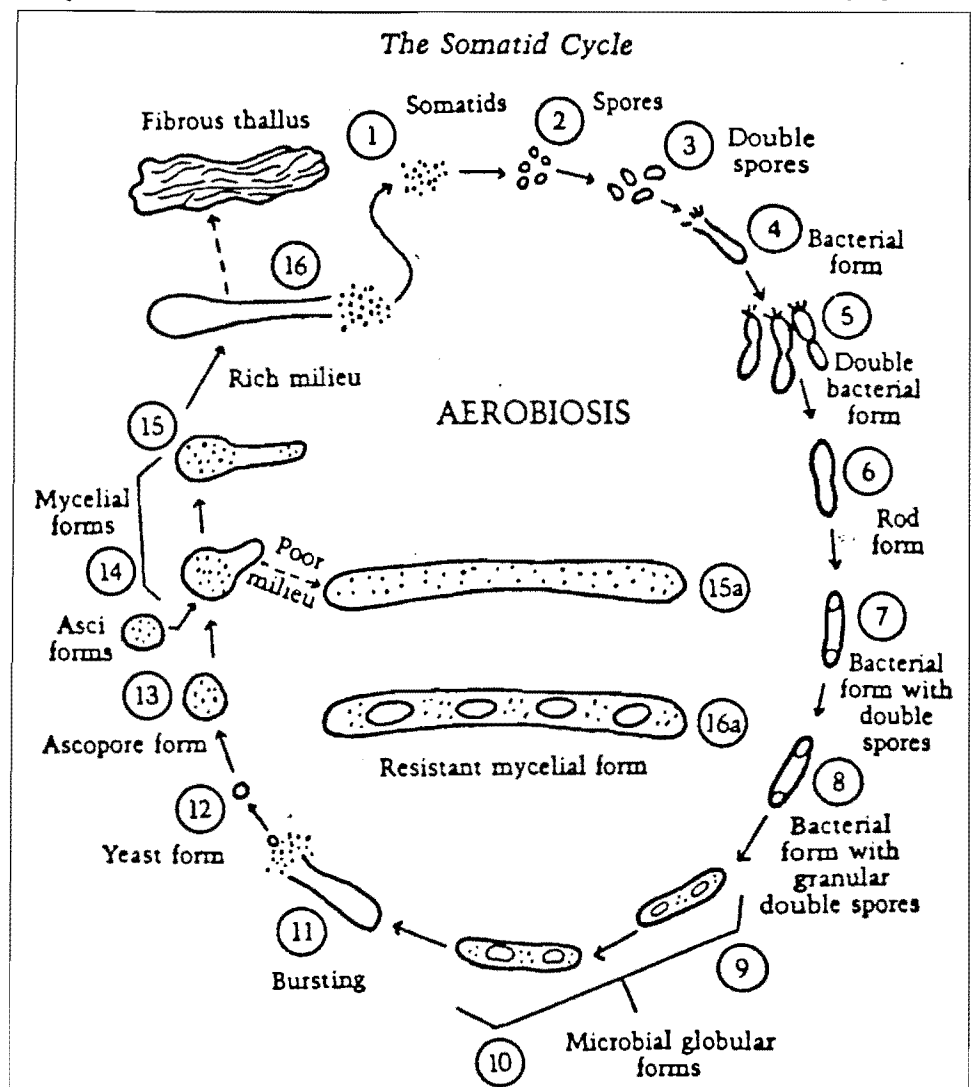
So rather than try to get answers to all these questions and present everything at once, we will let this article, as well as letters that will have by now been sent to Naessens from Dr. Rubik and Neil Riordan, speak for us while we make the pages of HC open for reply. Gaston Naessens, will you oblige us?

took it upon themselves to reach out for knowledge rather than sitting back with a "show me" attitude. Thus it is possible that a good deal of the lack of understanding about Naessens' work is due at least as much to a lazy or perhaps disinterested and self-satisfied medical/scientific community as it is to any deficiency in Naessens' presentation of his work. Riordan says, "I did everything I could to prove what Naessens is saying is right, but it's just not there for me... yet, anyway." It would seem that this is the type of character it would be most helpful to have among our scientists, because how many of them have taken such initiative

and effort up to now to get to the bottom of things? Very few, to my knowledge, although it may be that many who might be willing just don't hear about it.

One last issue, which Riordan addressed to me in our taped phone conversation, is that of Naessens' claim that the Somatid is the precursor of DNA.

He notes that, "At the Symposium,



- the smallest 'Somatid' we saw was, in my opinion, no smaller than 200 nanometers (nm = billionth of a meter). But the Watson-Crick model of DNA describes it as only two nanometers wide. How can something 200 nanometers be the precursor of something two nanometers?" The question might be considered to reveal a somewhat overly mechanistic way of envisioning what may be happening, but it would be very interesting to hear Naessens comments on it. Of
- course, Naessens does say in the original video that the size range of the Somatid begins at "a few angstroms," which would seem to put it in position to transform into DNA, if that is indeed what happens. Riordan, Rubik, (and I, too) might
- ask how one reaches a such a conclusion about size with a microscope claimed to resolve "only" to 150 angstroms (something about which Riordan also has doubts, as implied earlier).

Part of the answer might lie in an electron micrograph that Naessens shows in the older video but inexplicably leaves out of the new one, which he says is a Somatid magnified 141,000 times.

- E-scopes resolve to 50 angstroms, which puts us closer to the enigmatic "few," so perhaps he has extrapolated size from having inadvertently captured a very small one. If I may be permitted an opinion, however, I can say that this picture has, for me, a mystical and awe-inspiring effect. The object has a dark center with a milky-white ring around that, which looks for all the world like a galaxy. Next is a dark, granulated area, then an outer shell with a small protrusion which is becoming, or excreting . . . what? In fact, the round asci forms, as described by Naessens to produce the fibrous thallus filled with new somatids, seem to reflect in general shape this haunting picture of the Somatid. Indeed, the idea is reflected many times over in nature, not the least example of which is the male reproductive organ.

As we speculated on the question of how a Somatid might achieve the feat of "precursoring" DNA, Riordan said, "Well, I'm just presenting the question. Hopefully, Mr. Naessens can answer it." And returning to the earlier discussion about the question of the process which led from Somatid theory to the 714-X treatment, he said, "It would be good if you could get him to tell you that and

then put it in your article." I agree, except for the French/English language barrier between Naessens and me. Besides, Stephane Sdicu has informed me that Naessens is incommunicado for the summer in order to rest and to attend to personal matters. So rather than try to get answers to all these questions and present everything at once, we will let this article, as well as letters that will have by now been sent to Naessens from Dr. Rubik and Neil Riordan, speak for us while we make the pages of *HC* open for reply. Gaston Naessens, will you oblige us?

And, speaking for *HC*, we say to all concerned, "We unconditionally love and support you, just the way you are, in all your magnificence!"

Addresses:

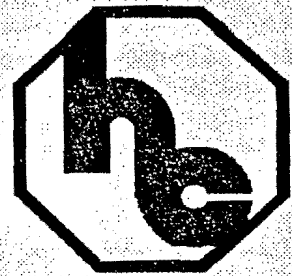
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There is a biannual newsletter and an annual affiliation fee of \$25.00. I've seen several issues, and it is worth much more (but don't raise the price, Beverly!). Contact the Center for more information.

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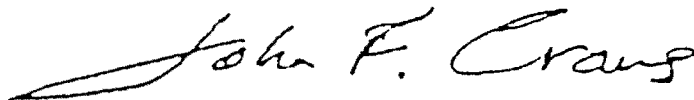
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San Diego, California, 1931

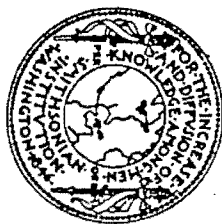
Appendix 71 Included because I "lifted" so many pictures from Crane's Polarity Research Manual.

ANNUAL REPORT OF THE BOARD OF REGENTS OF THE SMITHSONIAN INSTITUTION

SHOWING THE

OPERATIONS, EXPENDITURES, AND
CONDITION OF THE INSTITUTION
FOR THE YEAR ENDED JUNE 30

1944



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126 R. E. SEIDEL AND M. ELIZABETH WINTER. (J. F. I.
quote from Rife:

"In reality, it is not the bacteria themselves that produce the disease, but we believe it is the chemical constituents of these micro-organisms enacting upon the unbalanced cell metabolism of the human body that in actuality produce the disease. We also believe if the metabolism of the human body is perfectly balanced or poised, it is susceptible to no disease."

In other words, the human body itself is chemical in nature, being comprised of many chemical elements which provide the media upon which the wealth of bacteria normally present in the human system feed. These bacteria are able to reproduce. They, too, are composed of chemicals. Therefore, if the media upon which they feed, in this instance the chemicals or some portion of the chemicals of the human body, becomes changed from the normal, it stands to reason that these same bacteria, or at least certain numbers of them, will also undergo a change chemically since they are now feeding upon a media which is not normal to them, perhaps being supplied with too much or too little of what they need to maintain a normal existence. They change, passing usually through several stages of growth, emerging finally as some entirely new entity—as different morphologically as are the caterpillar and the butterfly (to use an illustration given us). The majority of the viruses have been definitely revealed as living organisms, foreign organisms it is true, but which once were normal inhabitants of the human body—living entities of a chemical nature or composition.

Under the Universal Microscope disease organisms such as those of tuberculosis, cancer, sarcoma, streptococcus, typhoid, staphylococcus, leprosy, hoof and mouth disease, and others may be observed to succumb when exposed to certain lethal frequencies, coordinated with the particular frequencies peculiar to each individual organism, and directed upon them by rays covering a wide range of waves. By means of a camera attachment and a motion picture camera not built into the instrument, many "still" micrographs as well as hundreds of feet of motion picture film bear witness to the complete life cycles of numerous organisms. It should be emphasized, perhaps, that invariably the same organisms refract the same colors when stained by means of the monochromatic beam of illumination on the Universal Microscope, regardless of the media upon which they are grown. The virus of the Bacillus Typhosus is always a turquoise-blue, the Bacillus Coli always mahogany-colored, the Mycobacterium li prae always a ruby shade, the filter-passing form or virus of tuberculosis always an emerald green, the virus of cancer always a purplish-red, and so on. Thus, with the aid of this microscope, it is possible to reveal the typhoid organism, for instance, in the blood of a suspected typhoid patient four and five days before a Widal is positive. When it is desired to observe the flagella of the typhoid organism, Hg salts are used as the media to see at a magnification of 10,000 diameters.

Feb., 1944.]

THE NEW MICROSCOPES.

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In the light of the amazing results obtainable with this Universal Microscope and its smaller brother-scopes, there can be no doubt of the ability of these instruments to actually reveal any and all micro-organisms according to their individual structure and chemical constituents.

With the aid of its new eyes—the new microscopes, all of which are continually being improved—Science has at last penetrated beyond the boundary of accepted theory and into the world of the viruses with the result that we can look forward to discovering new treatments and methods of combating the deadly organisms—for Science does not rest.

To Dr. Karl K. Darrow, Dr. John A. Kolmer, Dr. William P. Lang, Dr. L. Marton, Dr. J. H. Renner, Dr. Royal R. Rife, Dr. Edward C. Rosenow, Dr. Arthur W. Yale, and Dr. V. K. Zworykin, we wish to express our appreciation for the help and information so kindly given us and to express our gratitude, also, for the interest shown in this effort of bringing to the attention of more of the medical profession the possibilities offered by the new microscopes.

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Appendix 73 Microbes - taken from "The New Microscopes" (see bibliography).

Smithsonian Report, 1944.—Seidel and Winter

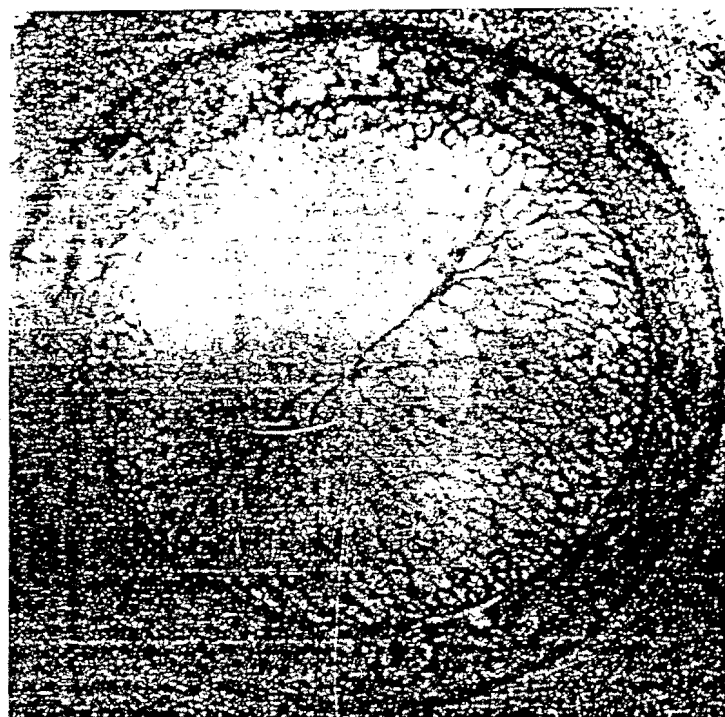
PLATE 3



CHLOROPHYL CELLS (ALGAE) (THE UNIVERSAL MICROSCOPE).
17,000 X on 35-mm. film.

Smithsonian Report, 1944.—Seidel and Winter

PLATE 4



TETANUS SPORES (THE UNIVERSAL MICROSCOPE).
23,000 X on 35-mm. film, enlarged 227,000 X.

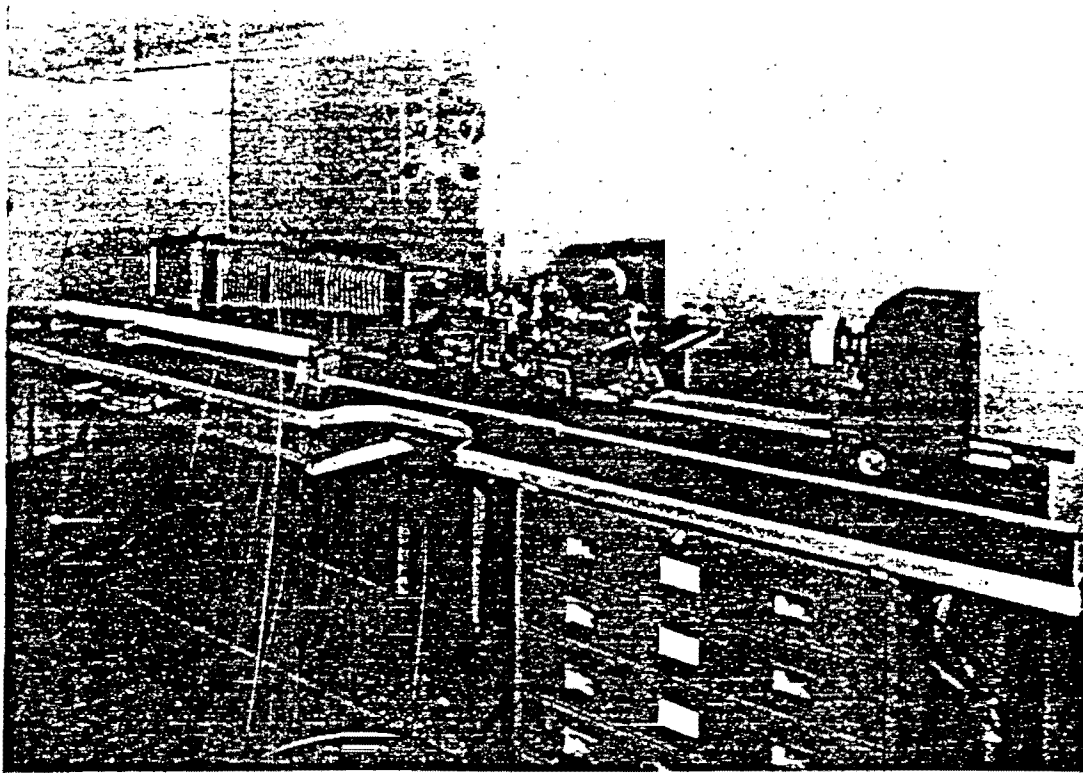
Smithsonian Report, 1944.—Seidel and Winter



TYPHOID BACILLUS (THE UNIVERSAL MICROSCOPE)
23,000 X on 35-mm. film, enlarged 340,000 X.

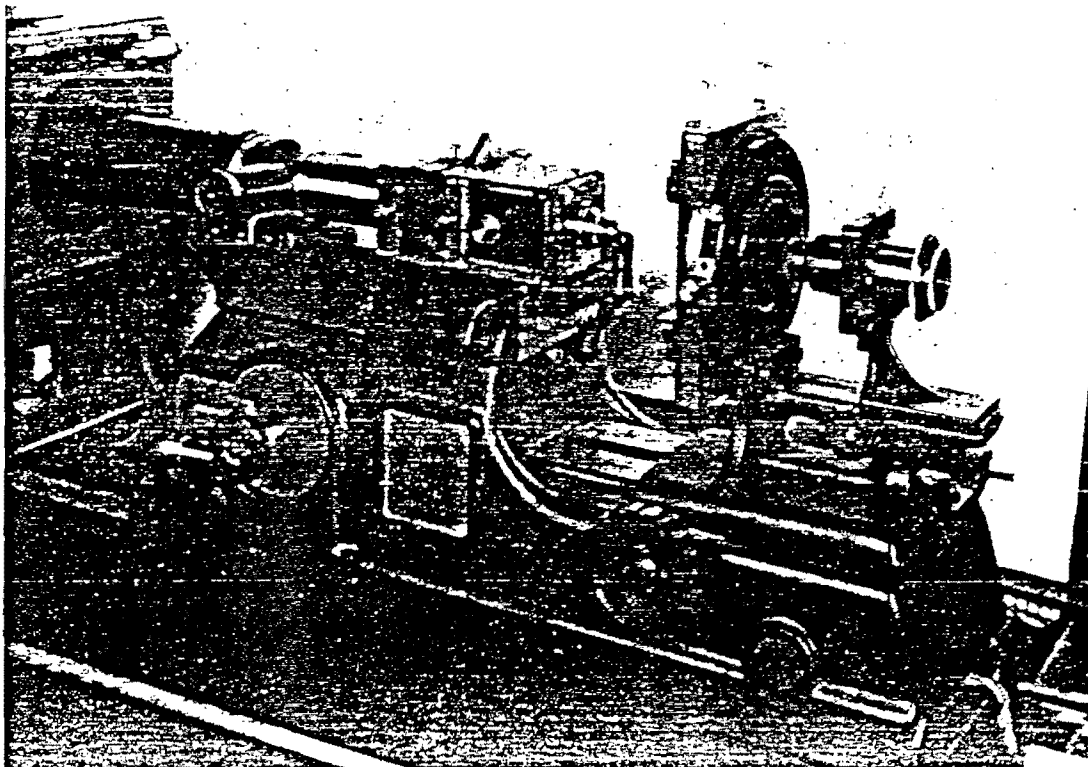
Smithsonian Report, 1944.—Seidel and Winter

PLATE 2



1. GENERAL VIEW OF GRATON-DANE PRECISION, ALL-PURPOSE MICROCAMERA.

Page 207.
The Rife Way III



2. CLOSE-RANGE VIEW OF GRATON-DANE PRECISION, ALL-PURPOSE
from the private archives of Jimmie Holman & Paul Dorneanu

RIFE RESEARCH LABORATORY

Bacillus X (Cancer) CACINOMA

(Rife) 11-20-32

Filterable Virus: Passes W: K Medium

molts small oval granule
highly plastic
mobile only mild meso chromatic light
angle of refraction 12%
color by chemical refraction Purple-red
length - $\frac{1}{15}\mu$: breadth $\frac{1}{20}\mu$.

Polarity

anode

- cathode

X

Shock rate in milliamperes 175 D.C.

Influence of X rays none

" Ultraviolet rays slows motility

" Infra Red none

Thermal death point 42C. 24 hrs.

Filament malleability 10

Plate malleability 86

Cy des per second 928

Wave length of super regeneration 14,780,000

Wave length of super regeneration of audion tube 1735 Met.

RIFE RESEARCH LABORATORY

Sareomer

1934

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Operation and Investigation of Tumors in White Rats (2/14/34)

The tumor was located beneath the epidermal tissue covering the left side of the chest.

The duration of the operation was 55 minutes, during which time the animal was under ether anesthesia.

The tumor weighed 60g. and was of the Sarcoma type. It was removed under sterile conditions and placed in glycerine immediately after the operation.

Three portions of tissue were removed from the center of the tumor. A tube of sterile K media was inoculated with one portion. Another was sent to Dr. Ford for histological examination, and the third was ground in a sterile mortar containing sterile normal saline solution. The contents of the mortar was next passed thru a Borkfeld "W" filter and examined under 11,000X magnification.

The fresh filtrate under the microscope revealed numerous oval granules, purplish red in color, and resembling the B.X. in morphology. The organisms are non-motile.

Appendix 76

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SCIENCE

Vol. 74, No. 1985

August 24, 1932

from the establishment of conflicting standards by different groups within the industry. If the request of the society is approved, a technical committee representing all branches of the industry will be organized under the procedure of the American Standards Association.

THE Federal forest research work in the Lake States region, carried on by the Lake States Forest Experiment Station of the University of Minnesota, in cooperation with the university, has been expanded by the establishment of three field laboratories, with

a total of approximately 5,400 acres and located within the Chippewa and Superior National Forests. One of these laboratories is to be known as the Cutoff Experimental Forest, situated about 24 miles from Deer River and well stocked with growing timber, mainly Norway and jack pine. The second is the Pike Bay Experimental Forest, approximately six miles from Cass Lake, and is predominantly an aspen hardwood type. The third is the Keweenaw Experimental Forest of 2,035 acres, about thirteen miles from Ely, and representing a distinctive region, including the jack pine, black spruce and aspen types.

DISCUSSION

OBSERVATIONS WITH THE RIFE MICROSCOPE OF FILTER-PASSING FORMS OF MICROORGANISMS

RECENTLY, I reported to the staff of the Mayo Clinic the more important observations made during three days, July 5, 6 and 7, 1932, spent in Dr. Kendall's laboratory at Northwestern University Medical School, Chicago. I went there at the invitation of Drs. Kendall and Rife, to share with them their observations in a restudy of the filter-passing forms of *Eberthella typhi* as seen with an improved model of the Rife microscope. They asked me also to bring with me my cultures of the streptococcus from poliomyelitis.

I would like to repeat here that portion of my report which had to do specifically with the Rife microscope.

Owing to the novel and important character of the work, each of us verified at every step the results obtained. Microscopic examinations of suitable specimens was made as a routine by Dr. Rife with his high-power microscope, by Dr. Kendall with the oil immersion dark field, and by myself with the ordinary Zeiss microscope equipped with a 2 mm apochromatic oil immersion lens and $\times 10$ ocular giving a magnification of about 900 diameters. Most observations with the Rife microscope were made at 8,000 diameters. In order to check the magnification, gram and safranin stained films of cultures of *Eberthella typhi*, of the streptococcus from poliomyelitis, and stained films of blood, and of the sediment of the spinal fluid from a case of acute poliomyelitis, were examined. Bacilli, streptococci, erythrocytes, polymorphonuclear leukocytes and lymphocytes were clearly seen, and in each instance were, as nearly as could be estimated, about nine times the diameter as when examined with the 2 mm oil immersion at about 900 diameters.

The following principles and methods were stated by Dr. Rife as being essential in order to visualize clearly the objects at this and higher magnifications by direct observation. Spherical aberration is re-

duced to the minimum and magnification greatly increased by using objectives in place of oculars. Proper visualization, especially of unstained objects, is obtained by the use of an intense beam of monochromatic polarized light created by rotating wedge-shaped quartz prisms placed between the source of light and the substage quartz condenser. Dispersion of the transmitted rays of light, as they pass upward to the eye, is prevented by passing them through a series of quartz erecting (90°) prisms. Projection of the rays of light through air is not greater than 30 mm at any point.

In my original report¹ I summarized as follows:

There can be no question of the existence of the filterable turquoise blue bodies of *Eberthella typhi* described by Kendall. They are not visible by the ordinary methods of illumination and magnification, not because they are too small, but rather, it appears, because of their peculiar non-staining hyaline structure. Their visualization under the Rife microscope is due to the ingenious methods employed rather than to excessively high magnification. Examination under the Rife microscope of specimens, containing objects visible with the ordinary microscope, leaves no doubt of the accurate visualization of objects or particulate matter by direct observation at the extremely high magnification (calculated to be 8,000 diameters) obtained with this instrument.

The findings under the Rife microscope of cocci and diplococci in filtrates of cultures of the streptococcus from poliomyelitis, and in filtrates of the viruses of poliomyelitis and herpes encephalitis, not detectable by the ordinary methods of examination, and which resembled in form and size those found in the respective cultures, and the absence of minute forms, suggest that the filterable, inciting agent of these diseases is not necessarily extremely small, as is universally believed. Indeed, the filterable, inciting agent may be the non-staining, highly plastic, hyaline

¹ Proc. Staff Meeting Mayo Clinic, 7: 408-413 (July 13), 1932.

stage of the visible, stainable, cultivable organism, the streptococcus.

It is, of course, possible that these unstained, invisible forms revealed by ordinary methods of examination are not the inciting agents or "viruses" of these diseases and that they represent merely the filterable or other state of the streptococcus. A consideration of the great difficulty one has in isolating the streptococcus and demonstrating diplococci in lesions in these diseases and the ease with which the bodies are found in the filtrate indicates clearly that the "invisible" forms of the streptococcus, if such they be, are present in large numbers in the host, as in positive cultures of the streptococcus. Their form, size and color are too characteristic and true to type to permit considering them as artifacts or as being expressive of etiologically unrelated, contaminating streptococci. Non-infectivity of the filter-passing forms, except in the cases of virus diseases, their presence in large numbers in filtrates, both of cultures and of infected tissues, and the great difficulty in obtaining the visible forms in cultures of filtrates indicate that "invisible," filter-passing forms represent a certain stage in the development of microorganisms.

EDWARD C. ROSENOW

DORCHESTER, MINNESOTA

CHAPTER II

THE SEARCH FOR GREATER RESOLVING POWER: THE ULTRA- VIOLET AND THE ELECTRON MICROSCOPE

By the beginning of the twentieth century it seemed that optical research, largely stemming from the work of Abbe, had taken the resolution of the optical microscope as far as it was possible to go. From his theoretical studies it was clear that the resolution of the microscope (R) was given by the general relationship

$$R = \frac{0.6\lambda}{N.A.}$$

where λ was the wavelength of the light used to illuminate the system and N.A. referred to the numerical aperture of the objective. For various practical reasons the maximum possible upper limit of the numerical aperture of the objective had been attained some time in the latter years of the nineteenth century; hence if the system were to give a greater resolution then it must be achieved by using light of shorter wavelength. This was, of course, attempted many times and slight improvements in resolution were obtained by skilled microscopists such as Woodward and van Heurck who habitually used deep blue light for their photomicrographs.

These tendencies were carried to their logical conclusion in 1904, when Köhler and von Rohr of Zeiss designed a microscope intended to operate in the ultra-violet region of the spectrum. This instrument used the radiation generated by a spark (actually a cadmium arc was used) and it was based on the standard vertical microscope which this firm was manufacturing at that time. According to Abbe's theory, a microscope operating with radiation of a wavelength of 2750 Å would be expected to show double the resolution which it would afford with

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It is thus evident that microscopy with light of very short wavelengths presents many problems; in consequence of the very complex nature of the equipment, it followed that this method of obtaining more resolution was restricted to very special research problems. Several firms have produced and marketed ultra-violet microscope outfits at various times in the last fifty years, but it seems fair to say that in only a very few projects did the contributions to knowledge so obtained really justify the trouble and expense involved. After all, the increase in resolution over the ordinary optical microscope was only a factor of two. Again it was found that the ultra-violet microscope was of no help in the study of living cells, as the intense ultra-violet radiation soon caused cell damage and death.

At the present time ultra-violet microscopy is no longer in any demand as a means of increasing the ultimate resolution of the optical microscope. Other valuable information has been derived from its use, however; studies initiated in the late 1930's by Caspersson, and since continued by him and his pupils, utilized the heavy absorption of certain wavelengths of ultra-violet which is characteristic of compounds such as nucleic acids, to locate by photometric means their distribution within the cell, and to follow changes in them during certain activities such as division of the cell.

Today, ultra-violet (or deep blue light) is more commonly used in what is termed "fluorescence microscopy". Here the short wavelength radiation is used as a source of energy to stimulate substances present in the tissue on the slide. These compounds (which may be already present or which may be added during the preparation of the specimen) absorb the energy and re-emit it at a longer wavelength, i.e. in the visible spectrum, in the form of fluorescence. For this type of microscopy the requirements are much less stringent; usually the source is a mercury arc lamp provided with suitable glass filters to absorb the visible light and isolate the desired band of shorter wavelengths.

As the radiation is only acting as an "exciting" agent it is possible to use the longer wavelengths and so the optics of the microscope may be made out of glass. It is necessary to ensure that all the ultra-violet light which is not absorbed in stimulating fluorescence in the section is prevented from passing up the microscope and entering the eye, so that such instruments invariably contain a selective ultra-violet absorbing filter in the optical system somewhere between the objective and the eyepiece. This protects the eye from the

light of wavelength 3500 Å and objectives of the same numerical aperture. In effect, a lens of N.A. 1.25 specifically designed for operation in ultra-violet would be equivalent in resolving power to an objective with a working aperture of 2.50 operated in green light at 5500 Å.

Although this twofold increase of resolution obtained by the use of ultra-violet radiation is very well in theory, there are some practical drawbacks to the regular use of such short wavelengths in practice. Not least is the fact that the eye is not sensitive to radiation in this region of the electro-magnetic spectrum. This means that all focusing must be carried out with an artificial aid such as an eyepiece fitted with a fluorescent screen to convert the short wavelength radiation into visible light. The final image has to be recorded on a photographic plate and all the observations made on the final print. It is, of course, possible to focus the instrument in visible light and then change to illumination with ultra-violet but if this is done then the focus of the object has to be altered by a predetermined amount in order to compensate for the fact that the focus of the ultra-violet rays is not equivalent to that for visible light. This disadvantage, inherent in all lens systems, may, however, be avoided if a mirror objective is used; this is one field in which the reflecting microscope has a valuable role to play.

A further disadvantage of using short wave-length ultra-violet radiation in the microscope for increasing the resolving power is that the glass of which the lenses are made will only transmit such radiation freely down to a wavelength of about 3000 Å; below this figure glass is not suitable as a material for lenses. This difficulty may be avoided by making the lenses out of synthetic fluorite or even better, of fused quartz. This latter substance was in fact used by Köhler and von Rohr in their original microscope and it is still favoured today for lenses which are intended for critical work in the far ultra-violet. Not only are the various optical glasses opaque to the shorter wavelengths of ultra-violet, but so are also the normal mounting media and immersion oils, and hence substitutes have to be found. It proved possible to mount the specimens in water or castor oil or in glycerine jelly, whilst glycerine was found to be suitable for the immersion medium between the coverslip and the front element of the lens. Again, the coverslip and the actual slide on which the specimen is mounted must be made from fused quartz, as also must the substage condenser, so it is apparent that if serious work is intended in the far ultra-violet it is a matter of some complexity, not to say expense!

ultra-violet radiation and does not detract from the efficiency of the instrument since the important information is contained in the fluorescence, which is, of course, light in the visible region of the spectrum.

The fluorescence microscope has assumed a great importance in medical research today, for by its aid it has proved possible to locate the sites of antibody production in the body. This is done by coupling fluorescent dyes (which serve as labels) to the compounds which, when applied to cells or tissue sections, link in their turn to the proteins known as antibodies which form one of the body's main defence mechanisms against disease. Such specialist uses of the fluorescence microscope are, however, beyond the scope of this book; they form a striking development from the system which was developed by Köhler and von Rohr in the early years of the century in a simple quest for more resolution.

Abbe himself realized that the limit of resolution was set by the finite wavelength of light, and although he was aware of the possibilities of better results from the use of shorter wavelengths, he was not very optimistic about their successful use. It is ironic that the basic discoveries which paved the way for the eventual development of what must surely be regarded as one of the greatest advances in microscopy since the invention of the compound microscope itself, had already been made by German physicists about 1858 or 1859.

It had been noted by various workers that if electrodes were sealed into a glass tube which was then evacuated, rays which possessed curious properties were emitted from the cathode. Plücker in 1859 showed that these cathode rays were propagated in a linear fashion, whilst ten years later Hittorf proved that they could be deflected by a magnetic field and concentrated by an axially symmetrical field. One other property of these rays which was important for their experimental study, was that although they themselves were invisible, they were capable of affecting a crystalline substance and causing it to emit light. Such substances, often sulphides of metals, are known as phosphors and are much used today in the manufacture of fluorescent light tubes and television screens.

Crookes, working in England, was attracted to the study of these rather mysterious cathode rays and in 1879 he provided a much better proof that they were transmitted in straight lines. It was left to J. J. Thomson, however, working in the Cavendish Laboratory in Cambridge, to provide about 1897 the first theoretical and experimental study of the quantitative aspects of these rays and to enunciate the

Appendix 77 About two years ago I went to the Dallas Public library and photocopied some information from some books. I wasn't expecting to use this information, especially in photocopied form. I sincerely apologize for not knowing the source of this very interesting information which is presented as "the other side of the tracks". Please note the ultra violet protector which Rife probably did not have on his microscopes. As I remember this book was published around 1955-1962(?).

Appendix 78 This information is presented in the same vein as Appendix 77 except that the title of the book is on every other page (upper left, unlike Appendix 77). From Modern Microscopy, author unknown (my research mistake). This is interesting information which gives the reader a sense of size.

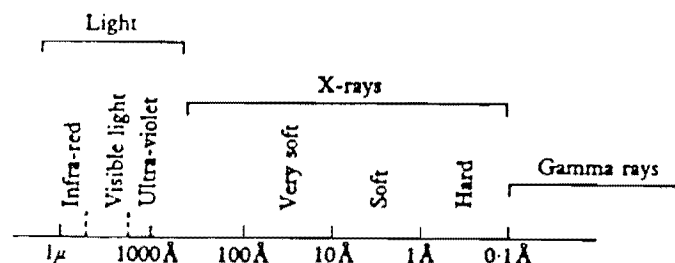


Fig. 1. Wavelength scale for the different types of radiation
 (1 micron (μ) = $\frac{1}{1000}$ mm.; 1 Angström unit (\AA) = $\frac{1}{10,000}$ μ)

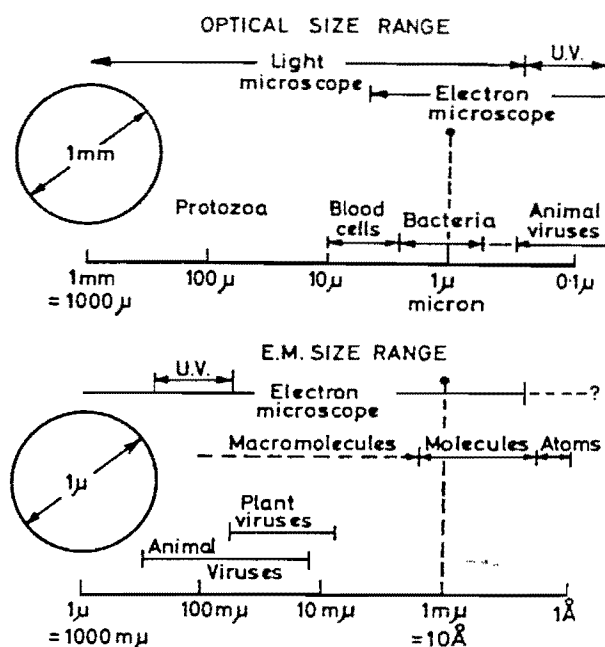


Fig. 3. Size ranges of the optical and electron microscopes, and the types of biological specimens occurring in them.

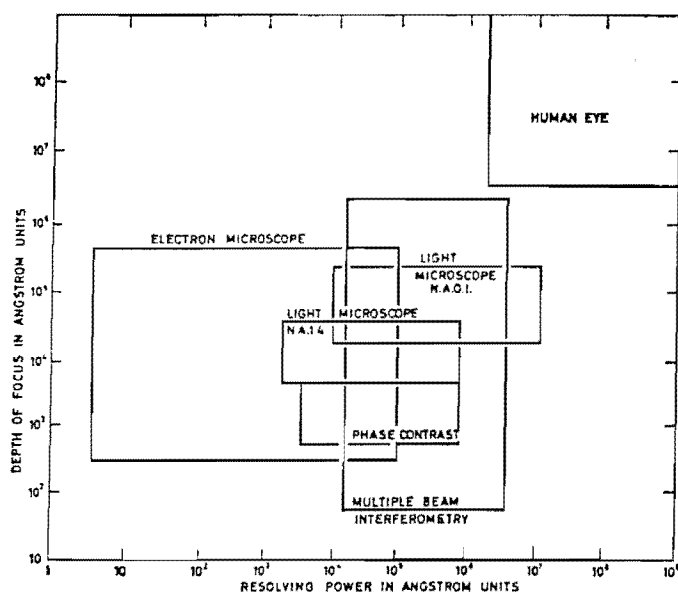


Fig. 2. The scope of different types of microscope and of the unaided eye, in terms of resolving power and depth of focus (1 mm = 10⁷ Å; 1 μ = 10⁴ Å).

MODERN MICROSCOPY

or Seeing the Very Small

V. E. COSSLETT, Sc.D.
 Reader in Electron Physics
 University of Cambridge

Based on the 131st course of
 Royal Institution Christmas Lectures

Cornell Paperbacks
 CORNELL UNIVERSITY PRESS
 Ithaca, New York

RESEARCH CHRONOLOGY

=====

Reviewed air tape from 2 radio broadcasts covering Royal Raymond Rife's research and discoveries concerning construction and operation of prismatic microscopes capable of making living viruses visible, and the destruction of said viruses and other disease organisms using tuned resonant frequencies that were harmless to the human body.

Researched Rife's discoveries at 3 libraries, regarding prismatic virus microscopes and the destruction of disease organisms using tuned resonant frequencies.

Researched all U.S. Patent records from 1926 to 1976 regarding Rife's Inventions.

Researched U.S. Copyright directories from 1929 to present regarding any studies or articles written by Rife or his associates.

Compiled file of research reports from sources such as the Smithsonian Institute, Franklin Institute, Internal Meetings of the Mayo Clinic, Science Magazine, & others regarding Rife's findings.

Located John Crane, Rife's partner & owner of the lab Rife worked in for the last 22 years of his life & to present.

Computer mapped a schematic diagram of the Rife Universal Microscope, as detailed in the 1944 Smithsonian Institute Annual Report by Seidel & Winter.

Traveled to San Diego, California to visit with John Crane, where I visited with him for a full day, to discuss the destruction of disease organisms via tuned resonant frequencies, and to present the schematic of the Universal Microscope to him for verification. The schematic was verified.

Obtained video copies of film documentation of Rife & Crane's research, as well as a book by Crane regarding the research on the prismatic microscopes and the destruction of disease organisms using tuned resonant frequencies.

Researched the book to find out the technic of micro-organism destruction.

Obtained 20 microscopes, microbiology textbooks, supplies, video cameras, camera attachments, video equipment, frequency counters, frequency generators, electrodes, lenses, and collected a variety of non-pathogenic micro-organisms for the purpose of testing the principle of micro-organism destruction using tuned frequencies via the Rife & Crane techniques.

Destroyed a variety of the micro-organisms using tuned resonant frequencies, and documented the destruction on video through the standard laboratory microscopes.

Received more detailed information from Mr. Crane by letter & by phone.

Made contact with interested parties including physicians, scientists, electronics engineers, physicists, and technicians, in order to share the information and get feedback on the project. Feedback was overwhelmingly positive.

Several interested parties expressed interest in experimenting with the frequency devices we had assembled, and upon their own experimentation with personal infections of different types, results were positive in almost all cases, resulting in the eliminations of the infections involved.

Due to the large amount of interest expressed from outside parties, more experiments were done to make more and better video tapes of micro-organism destruction.

Parts, supplies, suppliers, microbiology information & additional texts were compiled in order to begin construction of a prismatic virus microscope using the principles discovered by Rife and published by the Smithsonian Institute.

Parts & supplies, were compiled in order to begin construction of a frequency device using tuned radio frequencies such as was used by Rife in 1934 at the Scripps Ranch in La Jolla, California, at an experimental clinic under the auspices of the AMA of Southern California, and the University of Southern California, to destroy disease organisms infecting 16 terminally ill cancer patients, resulting in the recovery of all 16 patients.

12/31/1988 2:40 a.m. Experimentation was done regarding conductivity of the body, the resistance of the body, and the conductivity and resistance of different fluids, including the water that the experimental microorganisms were destroyed in.

1. Body resistance was found to be between 100k ohms & 30k ohms.
2. Water containing the micro-organisms we destroyed was found to have a resistance of approximately 50k ohms.
3. A salt saturated water solution that we tested was found to have a resistance of approximately 25k ohms.
4. A sample of fresh tap water was found to have a resistance of approximately 107k ohms.

Concerning current actually measured to be passing through the four samples, we found:

1. Current readings regarding the amount of amperage actually passing through the body were approximately .3 to .6

milliamps at 5 volts.

2. Current readings regarding the amount of amperage actually passing through the water that the microorganisms were destroyed in was approximately .58 to .92 milliamps at 5 volts.
3. Current readings regarding the amount of amperage passing through the salt water test solution were approximately 14.5 milliamps at 5 volts.
4. Current passing through the fresh water was found to be approximately .98 milliamps at 5 volts.

CONCLUSIONS

=====

In order to reliably duplicate the microorganism destruction as shown on the experimental video, the media through which the current is passed should be within the range of .58 to .92 milliamps. This is possible within the lower range of resistance found in the human body. Since the salt solution tested had a much lower resistance, and hence higher passage of current, it is concluded that increasing the body salts prior to use of the electrodes will aid the signal generator in passing current through the body within the range needed to kill the experimental microorganisms. It is noted that the adding salt to the solution to be passed can increase the current passing through the material by as much as 1300%, and that adding salt to a solution can reduce the resistance by over 300%. This confirms John Crane's findings that drinking a solution of 1/2 teaspoon of rice polishings and 1/2 teaspoon of whey in a glass of water about 20 minutes before application of the electrodes would aid the body's conductivity, and bring the body well within the range of conduction necessary to kill the targeted microorganisms.

It is, of course, noted, that the organisms that were destroyed were not pathogenic types, and that the above conclusions are purely for the purpose of hypothesis. However, upon further investigation, it appears the principle involved has merit, and that should pathogenic organisms be investigated and found to be destroyed at similar voltages and currents, that if such voltages and currents were encountered by said pathogenic organisms inside the human body, such organisms would likewise be destroyed, leaving the body free to recover from the infection of said pathogenic organisms.

This chronology ends around mid 1989. After this, Rick Sheppard put together a system to resonate microbes through the air using ultraviolet germicidal bulbs as a ray tubes. The BK 3011 and the S.W.A.T. II were connected to a power amplifier which ran at about 65 watts. The output of the power amplifier was fed into a 27,000 volt automobile ignition coil. The output of the coil ignited the bulbs. These bulbs blew microbes through the air twice. The Dallas Rife Research Group has yet to really test this system as we don't have the equipment to measure the radio frequency and possible X-ray output of these bulbs. This research takes money and time.

In addition, Rick went to see John Crane and Joe Flores in San Diego in July 1991. He saw and filmed Crane's ray tube. Rick and John were able to exchange information in a friendly way.

I have blown microbes using the wires in water method several times in 1991. I also tested another unit briefly using this method. These tests have always blown microbes, but we have not have had the time to really test exactly how little amperage necessary to resonate microbes, categorize which microbes explode and at what frequencies, and a host of other experiments.

Dear Mr. Crane,

Would you please fill out the Questionnaire on Rife?

I'm trying to do a bit of research before I produce a documentary video. Of course I don't have the \$\$ to do the project now, but it's a fun thought for the future.

If I ever did a video it would be true. I'd like to know the dark side of Rife (including the fake frequencies he let out, if he did) AS WELL AS THE GOOD STUFF. (NO FAIRIES)

Included is a cassette that you may use to convey any thoughts on Rife. For some people this is an easier way to go.

I'm a friend of Rick Sheppard. We've followed the trail with great enthusiasm. I'm going to try and blow some bugs via a 20 watt C.B. base unit and a B & K model 3011.

I think that Rick wants to do it with more power and more aboveground in the diathermy range.

His studio is closed and he is moving the equipment to Ark.

Thank You!

Sincerely,



Mark A. Simpson

Box 710088
Dallas Tx 75371

Appendix 80 I sent this to John Crane around 1989. This is the only time Crane has responded to any of my many queries.

ROYAL RAYMOND RIFE QUESTIONNAIRE.

WAS RIFE: AN ORPHAN *No*
RAISED BY A SINGLE PARENT (MOM OR DAD)
RAISED IN A NORMAL FAMILY *BY AUNT*
OF BROTHERS *0*
OF SISTERS *0*

→ (or anyone else)
ARE ANY FAMILY MEMBERS ALIVE WHO PERSONALLY KNEW RIFE? *No*
IF YES I'D SURE LIKE A NAME AND AN ADDRESS:

DID YOU KNOW RIFE (DURING WHAT PERIOD OF HIS LIFE)?

*MY PARTNER FROM
1950 to 1971*

how many ? did Rife have:

 2 wives

 350 hunting trips

 0 kids

 500 friends

 2 jobs before 1930

Please recommend any books or sources I should check out.
Also add comment:

*Polarity Research Manual
from John Crane \$155 -
GIVES RIFE'S Research from Rife-
Lab Manual by John Crane*

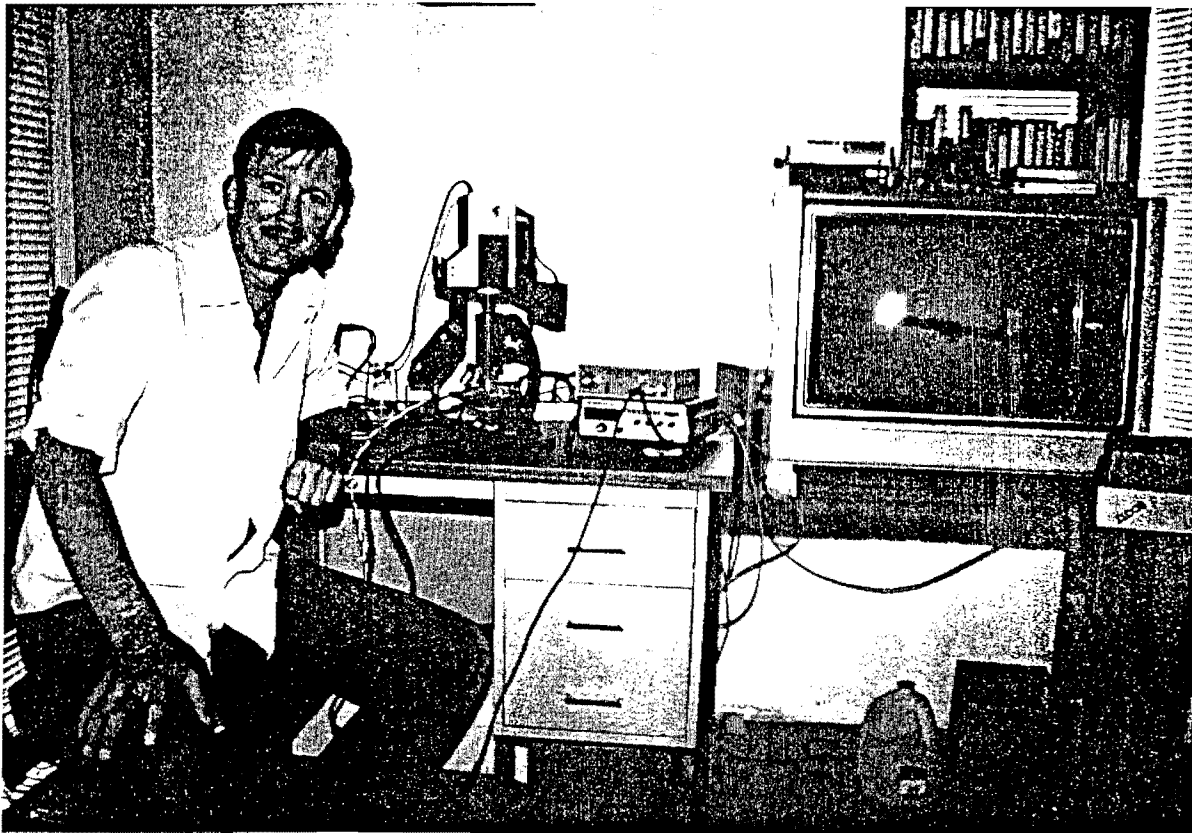


photo by J.R. Lance

Appendix 81 The author with the Dallas Rife Research Group's "bug blasting" equipment.



photo by J.R. Lance

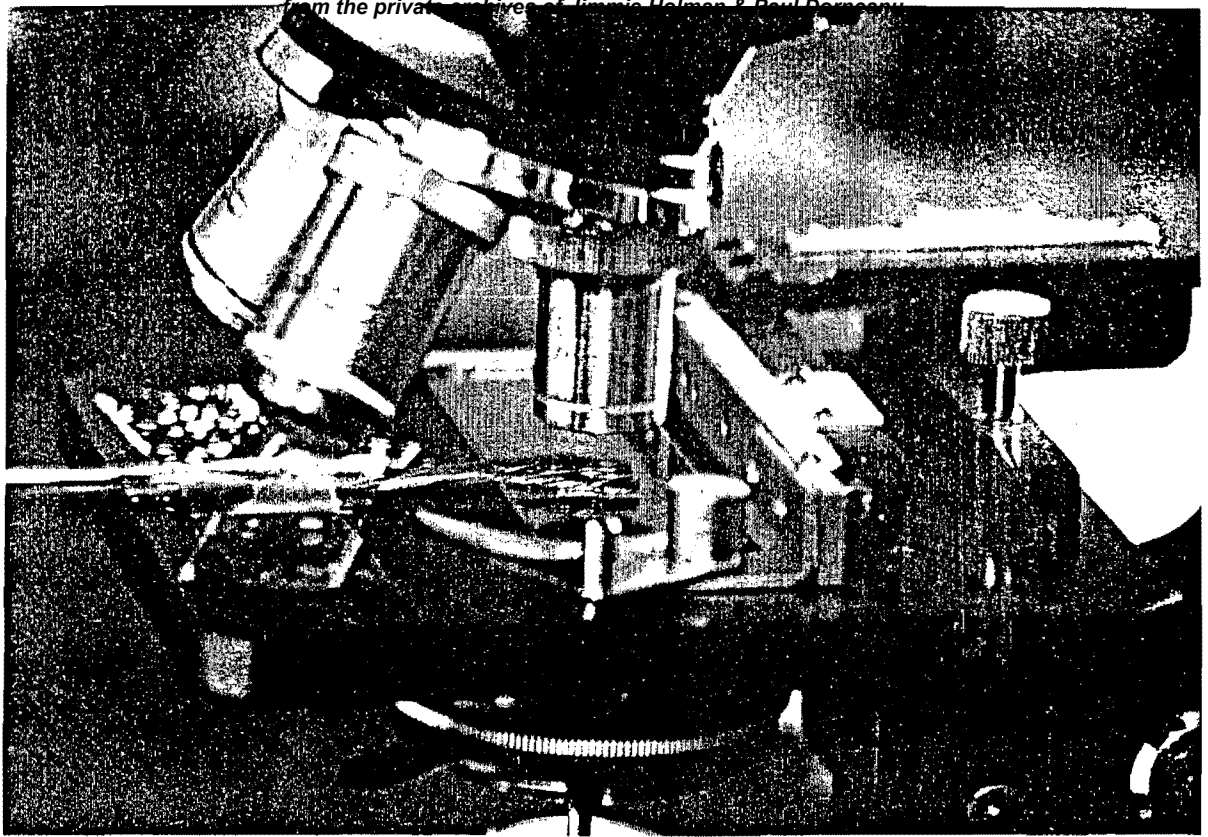


photo by Mark Simpson

actual distance required to focus at 100x

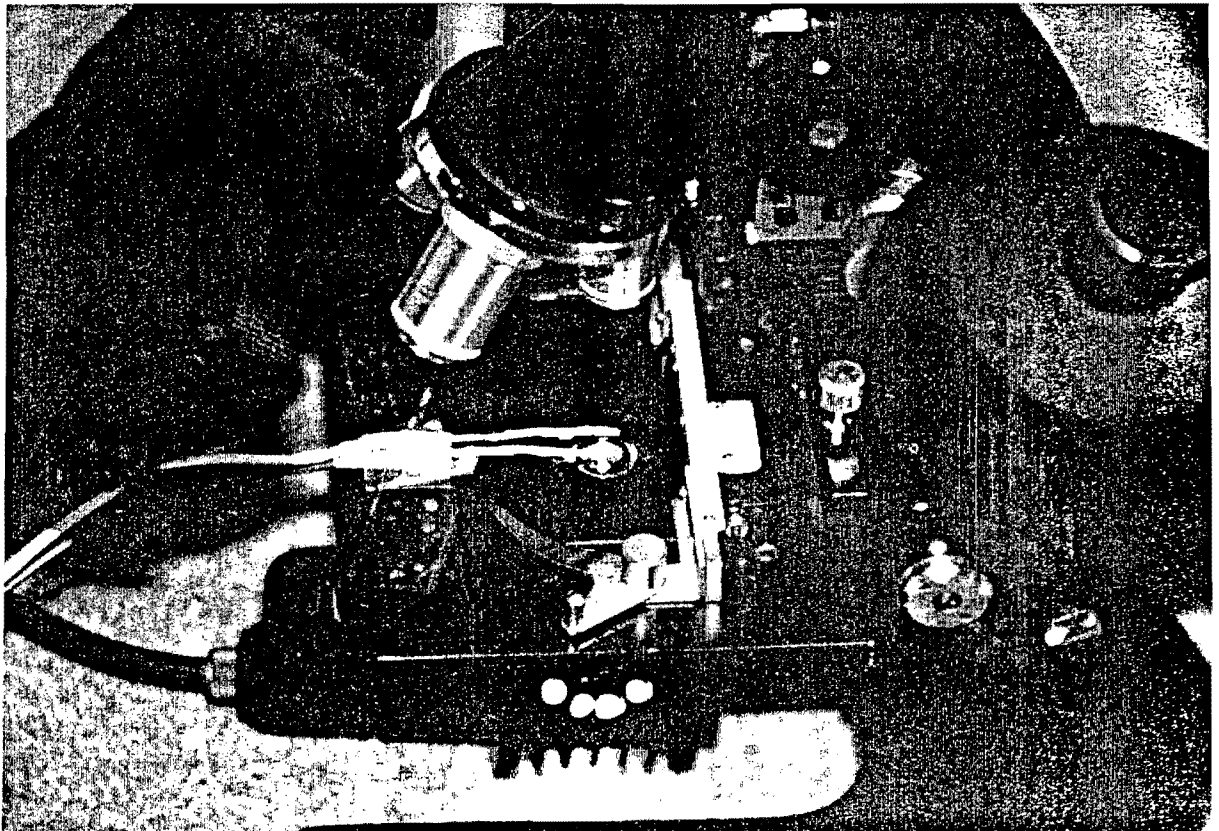


photo by Mark Simpson

objectives raised to show the wires and the puddle of water

photo by Mark Simpson

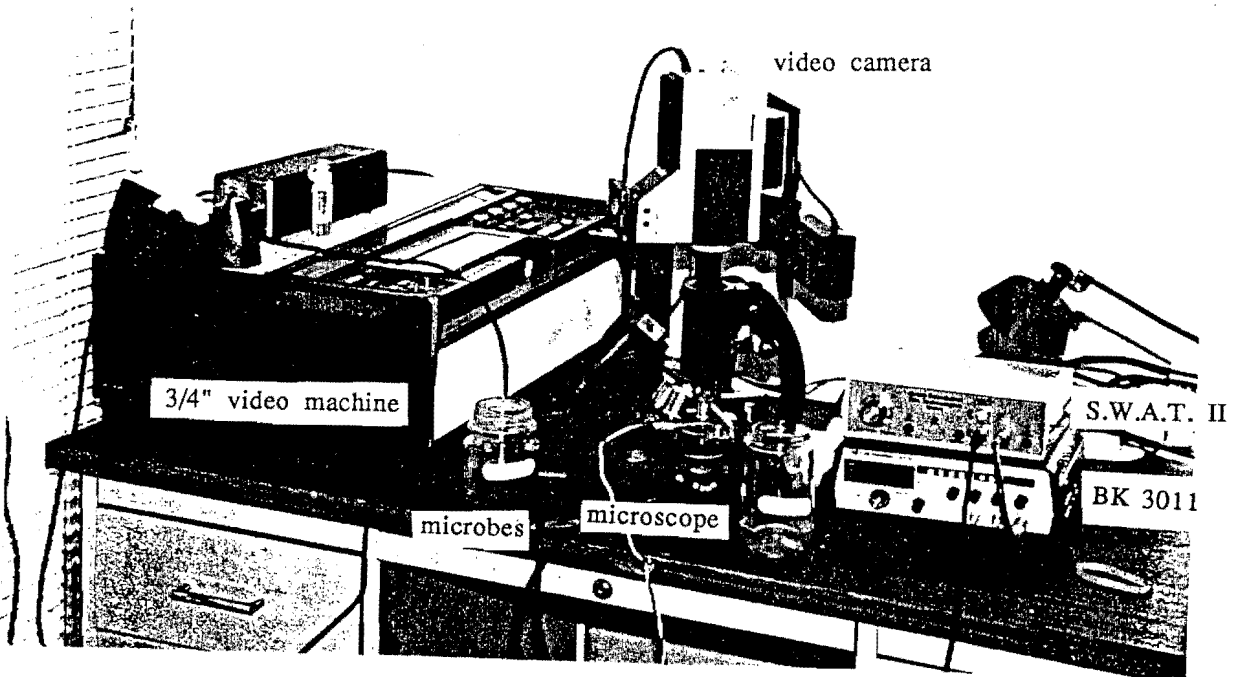
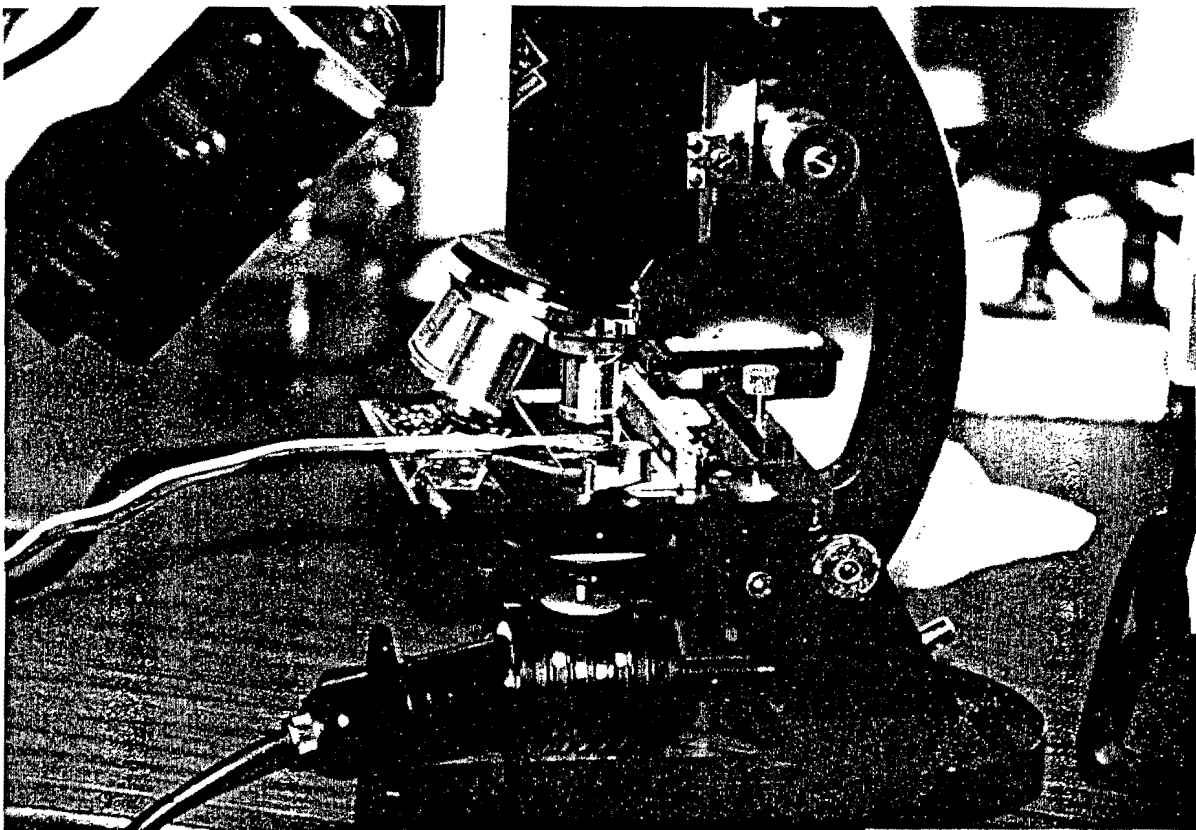


photo by Mark Simpson





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