

The Hieronymus Hoax:

Radionics, the Miraculous Pathoclast, and Deception

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Pathoclast Model 1X-C



Becoming desperate for a solution to a medical condition can cause irrational people to embrace alternate medical solutions that others consider the work of quacksalvers. This investigation into the Pathoclast discovers a surprising answer for why people would endorse treatment from a device that doesn't work for a disease they don't have.

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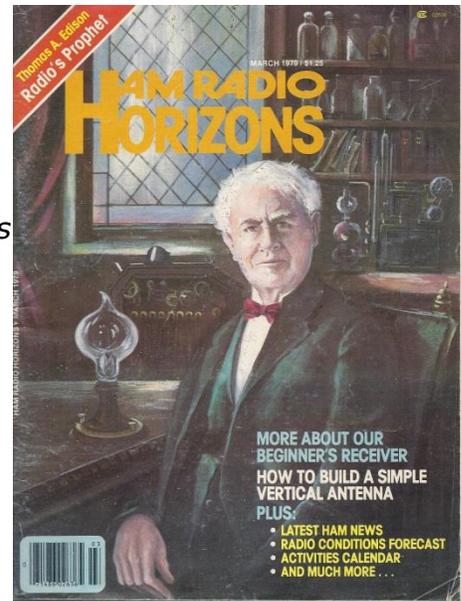
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Introduction: Often confiscated by the U.S. government and considered medical quackery by many including the AMA (American Medical Association), the Pathoclast made claims of medical diagnosis and treatment that were futuristic and difficult to validate by the scientific community. The February 1979 issue of *Ham Radio Horizons* magazine (HRH) featured an article describing the Thomas Galen Hieronymus Pathoclast, or the Hieronymus Machine. Intrigued by the advertised claims for the device, which looked like a radio, the editor of *HRH*, Jim Gray (W1XU), said, "There's a real riddle afoot and it's been around for at least thirty years. It's just the sort of thing that perhaps a ham might solve." The device was said to diagnose and treat nearly every known medical ailment.

The year 1995 was ending as NASA's first Mars Rover was launched from Cape Canaveral. I had the opportunity to converse with Jim Gray, who said that no one had solved the riddle. I had originally declined his invitation to investigate the machine back in 1979, and now, being retired, I was again asked if I might be interested in probing the mystery. Intrigued by the 1979 article, yet unfamiliar with the machine or its medical implications, I suggested research was necessary to understand what an engineering evaluation might encompass before I would accept his challenge.

Background: Thomas Galen Hieronymus believed that all matter emits radiation that is not electromagnetic. Instead, this radiation exhibits characteristics of both light and electricity, and he coined the word *eloptic* by combining the words *electricity* and *optic*. Similarly, radiation of eloptic energy was defined as *radionics* by combining the word *radiation* with *ionic*. *Nionic* was coined to describe nerve-influencing energy. Hieronymus based his theory for the Pathoclast on the belief that he could detect and manipulate this eloptic energy. Rejected by the scientific community, his theories had no widespread acceptance.

The original Pathoclast was designed by John Walter Wigelsworth, a naprapath at the Pathometric Laboratories in Chicago, long after he began making radionics *black*



Enjoying only a few years of success, *Ham Radio Horizons* magazine was always informative and a thought-provoking read. Here we see the cover for the March 1979 publication, one month after the Hieronymus article appeared in the April edition. Photo source [eBay](#)



J. W. Wigelsworth began making radionics "black boxes" in 1926, when Pathometric Laboratories, Inc., was formed in Chicago. His best known apparatus is the Pathoclast, which was made in several variations. Photo source [chiroeco.com](#)

boxes in 1926. Naprapathy is a derivative of osteopathy and chiropractic that focuses on the spine and connective tissue. Improved upon by electrical engineer Hieronymus (1895–1988), a U.S. patent request in Hieronymus' name was submitted 23 October 1946 for the Pathoclast, which was approved 27 September 1949 (Patent 2,482,773) and which expired 29 September 1966. The British patent for the Pathoclast was submitted 18 July 1949 and approved 2 January 1952 (Patent GB663978A).

Several homeopathic radionic devices emerged from Hieronymus' fertile imagination; they were named the Pathoclast, the Eloptic Beam Projector, the Eloptic Radiator, the Medical Analyzer, the Diagnosis/Treatment Analyzer, the Eloptic Medical Analyzer, and the Portable Analyzer. Hieronymus claimed that all detected and manipulated eloptic energy for the purpose of diagnosis and treatment of medical conditions. By adding an optical transducer, Hieronymus claimed that a modified version of the machine analyzed substances.



Suitable for home visits by the doctor, this portable version of the Pathoclast features compact packaging. Photo source liveauctioneers.com

Selling at \$1,500 (about \$13,000 in 2014), nearly 200 desktop units of the non-optical medical version of the Hieronymus Machine were sold, and about 10 units of the optical version for substance analysis were sold. Twelve or more console units were sold at \$2,000 each.

Some machines were manufactured by a company set up by Hieronymus and named Radionics Incorporated. When G. W. Will was president of the Pathometric Laboratories of Chicago, his company built three models of the Pathoclast: the 1X-C, the 1X-P, and the 1X-T.

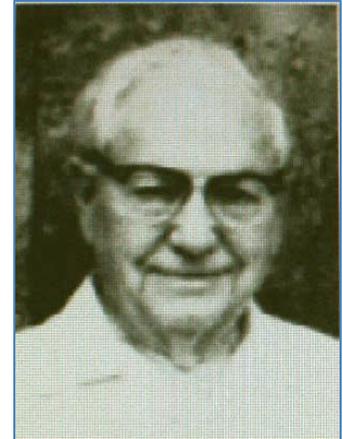
The Riddle:

1. Hieronymus did not need to *explain how* it worked, only to *prove that* it worked well enough to have undeniable value. Under extraordinary cases, where an invention defies the basic precepts of science, extra proof is requested by the U. S. Patent Office to validate assertions. Hieronymus backed up his claims with live experiments proving the machine worked as claimed. If this machine did not function as proclaimed in the documentation, why was Hieronymus issued both a U.S. patent and a British patent?
2. Why would a manufacturing company, the Pathometric Laboratories of Chicago, stake its reputation on a device that did not work?

3. Practitioners, doctors, and operators of the machine were passionately convinced that the machine worked. Why was this?
4. Why did patients repeatedly drive long distances to receive treatment from the Pathoclast and believe the machine fulfilled their expectations?
5. What convinced the patients and the operators that the machines were working?
6. Why would a distinguished engineer pivot his reputation on a design that did not work?
7. What was the rest of this story?

Understanding the Riddle: To understand the riddle is to understand Hieronymus, his background, and his distinguished career in electronics. His father, James F. Hieronymus, originally from Anderson County, Kentucky, married Louisa Matilda Stayton from Independence, Missouri, on 26 November 1883 in Kansas City, Missouri. The second oldest of three children (younger sister Lorena and older sister Verda May) Thomas was born 21 November 1895 in Valparaiso, Indiana, about 40 miles north of the family's rural home in Marion Township, Jasper County, Indiana. Eventually, the family moved back to his mother's hometown of Kansas City. Hieronymus developed an early interest in radio communication, learning Morse code by age 8 and building his first wireless set at age 16. Licensing by the Department of Commerce, DOC, to operate a wireless radio transmitter became mandatory in late 1912. Hieronymus proved to the DOC he had built and operated a wireless transmitter early in 1912 and was issued a license at age 18 under the DOC grandfather clause that exempted testing. Subsequently, at age 18, he was one of the first licensed radio operators in the United States and the only Boy Scout in the United States who built and demonstrated a wireless set to a district scout meeting in 1913.

At age 21, Hieronymus trained for the Army's 117th Field Battalion Signal Corps (Missouri (Company A) on 17 June 1913 in Kansas City and was mustered into service for WWI on 24 June 1916. He served in France in the Army's Rainbow Division (42nd), an assortment of Americans from 26 states, as a radio operator for the American Expeditionary Forces. Later, he graduated from officer candidate school and worked to help develop a wireless telephone for the Army.



Thomas G. Hieronymus
Photo source [MRU](#)



Soldier of the 117th Field Signal Battalion operating a field radio in WWI. Photo source [Missouri Over There](#)

His distinguished professional career stretched from the beginning of commercial radio to the era of the home computer. Receiving his commercial radio license from the DOC at age 23, he began working in the radio business and, at age 25, worked with station KDKA in Pittsburgh, one of the world's first commercially licensed radio stations. Reports indicate he was present for the first day of broadcast.

Often his passion was divided between the speculative metaphysical side of life and the empirical scientific side. Both Hieronymus and his wife, Louise, formerly Louise Barbara Williams, were ministers in the Universal Church of the Masters. In addition, Hieronymus was a member of the Kansas City Area Council of the Boy Scouts of America and known as Chieftain Chained Lightning.

Occasionally, I have found Hieronymus titled as Dr. Hieronymus but more often described as an electrical engineer. I believe Hieronymus held an honorary Ph.D. in physics, not an earned doctorate. I have not been able to validate that he graduated as an electrical engineer, although he held that title. In the early 1900s, titles were often assumed from work experience, not from academic achievement. He was known as Galen Hieronymus to many of his close friends.



Hieronymus achieved the status of Warrior in 1935 and Chieftain in 1943 in the Boy Scouts of America. Here he displays his Chieftain Chained Lightning headdress. Photo source [BSA](#)

By 1935, Hieronymus was an engineer for the Kansas City Power & Light Company (KCP&L) where he enjoyed 30 years of employment. As superintendent of underground work for the company, he represented KCP&L on the Cathodic Protection Subcommittee for the Institute of Electrical and Electronics Engineers in 1951 and 1952. Cathodic protection is a technique to control the corrosion of a metal surface by making it the cathode of an electrochemical cell. Cathodic protection systems protect a wide range of metallic structures in today's environment such as steel pipelines, home water heaters, steel pier piles, ship and boat hulls, offshore oil platforms, and onshore oil well casings, as well as metal reinforcement bars in concrete buildings and structures.

Hieronymus was a development engineer for the KCP&L. A phase-locking system that synchronized connected power stations was among some of his early developments.

In 1942, near the middle of WWII, Hieronymus offered to Kansas City an innovative design called the Blinker that consisted of a network of battery-powered blinking lights used to communicate messages to citizens over a long distance. The intention was to flash coded messages to citizens within an 80-mile diameter from Kansas City if other communication systems failed during an attack. The Blinker was a long cylinder with a concave mirror placed at one end and in front of an automotive headlight bulb. Inside the

barrel were louvers to collimate the light, increasing its directionality over a long distance. The light was flashed on and off by a telegraph key spelling out an emergency message.

Hieronimus assisted with the design for The Jewel of Kansas City, the famous lantern that adorns the top of the KCP&L Building in Kansas City. A member of the National Electric Light Association at age 27, Hieronimus became a distinguished senior member at the Institute of Radio Engineers and was made a fellow of both the Institute of Electrical and Electronic Engineers and the American Institute of Electrical Engineers.

Later in life, Hieronimus moved from Kansas City to Lakemont, Georgia, where he and his second wife, Dr. Sarah Hieronimus, started a company called the Advanced Sciences Research and Development Corporation. The company was registered in both Florida and Georgia in 1975 using an address of 436 East Broad Street, Sparta, Georgia. Work continued with radionics until Hieronimus died on February 21, 1988, in Lakemont, Rabun County, Georgia, at age 92. His wife continued the business into 1997 when the company was involuntarily dissolved.

Questions asked in the February 1979 *Ham Radio Horizons* magazine remained unanswered in 1995, and, with my curiosity piqued, I agreed that an investigation into Hieronimus' claims for the Pathoclast might prove useful.

Acquiring a Pathoclast: : I located a Pathoclast Model 1X-C that was in good working order and that had avoided government confiscation only a few hours' drive from my home. Physically large, the desk console version measured 44 inches long, 46 ½ inches tall and 22 inches deep.

The owners of the unit expressed concern that I might have ill intent for the machine or that I might be an undercover agent for either the AMA or the government who wanted to rid the country of any surviving machines. I assured them the AMA or the government was not involved in my engineering evaluation. They asked me to sign a document stating I would not harm or destroy the unit and I would return it in like condition received, or better, which I readily signed.

With the paperwork complete, I enjoyed a long conversation with the owners, who explained how to operate the Pathoclast. The owners provided supporting documentation, including a 2-hour VHS tape about radionics.

The unit was originally purchased by a doctor for use in his practice. Patients often traveled a long distance to receive treatment from this Pathoclast. The doctor and his wife



Crowning the 36-story KCP&L Building, the Jewel of Kansas City features a sparkling flame that includes virtually all the colors of the spectrum. Image courtesy [Re/Max](#)

were successful in operating the unit. Other family members attempting to operate the device failed to do so.

Most striking in conversations with the owners were their sincerity and their intensity of conviction when describing their experience with this machine. With the Pathoclast in tow in a U-Haul, I returned to my lab convinced that the owners firmly believed in the capability of the machine after witnessing many successes.

Lab Analysis: All surfaces, in addition to electrical contacts and potentiometers, received a thorough cleaning. Idle for many years and covered with a blanket, the unit was in excellent physical condition, although evidence of use was apparent.

Prior to moving the electronics chassis back into the cabinet after cleaning and powering up the unit for testing, I traced a complete electrical schematic for this Pathoclast. This revealed a few surprises that I will later detail.

Understanding the operational characteristics and procedures necessary to be successful with this device was important and time-consuming. Two documents provided by the owner offered some operational information. One document was *The Pathoclast News*, Volume IV, Number 1, and the second document was *Random Notes, Tech Data from Conversations with Hieronymus*, 1 September 1972, and both are attached to this paper. In addition, the VHS tape provided specific operational procedures.

Numerous claims for both medical diagnosis and medical treatments are discussed in the videotape and in the two documents. I will not review all the medical claims made for the unit. The internet is awash with numerous websites detailing claims for the Pathoclast. Readers can use keywords Pathoclast, Hieronymus, radionics, or eloptic energy to learn more.

Often receiving diagnosis and treatment from the unit, the owners provided the following claims:

The machine picked up the frequency radiated by the atoms in the patient and, in the case of disease, was fed back into the patient out of phase, thereby canceling the emanations affecting the patient.

An *influencing well*, which accepted a small glass vial, was used to charge the contents of the test tube with various vibrations or frequencies. Garden seeds placed into the influencing well and energized by the machine allowed them to grow twice as fast as normal.

The machine featured a *specimen well* that accepted a small glass vial used to analyze body specimens such as blood, urine, hair, saliva, or fingernail clippings. The preferred method for submitting a sample was to wet a piece of untouched paper with the patient's saliva. The doctor retained the paper,

which was good for the rest of the patient's life, and, no matter where the patient was in the world, the machine could analyze the patient's current medical condition by placing the paper into the specimen well. If the patient were out of town when becoming ill, the patient would call the doctor to request an analysis of the patient's current situation by using the paper. In turn, the paper would be transferred to the influencing well and charged with the opposite phase of the illness, thereby curing the patient remotely.

When the machine detected bad emanations from the body, the bad frequencies were stored in a small vial of distilled water. The operator then reversed the phase from the vial and fed those frequencies back into the patient, canceling the disease. This procedure included the use of a timer to prevent overdoing the treatment. If the canceling procedure were to last too long, the disease could be re-created and become harmful to the patient.

In addition to storing a disease frequency in a vial of distilled water, the machine could reverse the phase of the disease frequency, making it a good frequency, amplify it, and add the vial of water to five gallons of water. Drinking that water, over a period of time, could cure a condition at no cost to the patient.

The machine had the ability to analyze colors that were beneficial or harmful to the patient.

The analyzer contained a drum with 150 small capsules filled with various substances including foods that could be rotated into position, one at a time, for determining which treatments were harmful or beneficial to the patient.

Performing a Diagnosis: The diagnosis required a surprising feature of the device: the operator becoming part of the instrument! There were no meters, blinking lights, or readout capabilities that could tell the operator when the dials had been adjusted properly. Most of us are accustomed to visual readouts such as the speedometers in our passenger vehicles to inform us when our desired speed has been achieved. This feature did not exist for the Pathoclast; instead, a response from a *stick-plate* was necessary to indicate when the proper dial settings were achieved.



The center bottom of the photo shows the stick-plate. It measures 10 inches by 7 inches, is made from 1/16-inch steel, is painted black, and is connected to the machine by wires routed under the desk surface.

The stick-plate, a.k.a. sensing-plate, was a 7-inch by 10-inch metal plate coated with black paint and located on the desk surface where it connected to the output from the machine. As the operator adjusted the dials on the Pathoclast, the operator's fingertips caressed the dry, smooth, non-stick surface of the stick-plate. The operator received a tactile sensation of stickiness or an increase in surface tension when the correct dial settings were achieved. An operator did not enjoy success with the machine when the operator did not receive the sticky tactile sensations when caressing the stick-plate.

The patient was attached to the machine by using a wire, by resting a hand on a metal touch-plate, or by placing a flat spiral-wound wire coil next to the body. Body parts (such as fingernail clippings) and fluids were placed in a test tube inserted into the *sampling well* for analysis. The operator then adjusted the dials on the Pathoclast until the stick-plate became sticky, as described above, and used those dial settings to select a diagnosis from a *Rate Chart* as seen in the appendix.

Test Results Disappointing: As two weeks passed, I made every effort to have success operating this machine. I tested people, body parts, and body fluids, and never once received a tactile sensation of stickiness from the stick-plate as the dials were adjusted.

Into the third week of testing, I was convinced I was not among the group of successful operators for this device. Perhaps, in fact, this was just another example of medical quackery.

But Wait—Success! Late in the afternoon of the third Wednesday, the stick-plate began to function. Wow, what in the world is going on here? Does this thing really work? How can this be? I was completely amazed that, in fact, I was undeniably receiving a tactile sensation of stickiness from the stick-plate in an attempt to analyze fingernail clippings. Convinced I had accidentally spilled something on the stick-plate, I switched off the machine and thoroughly cleaned the stick-plate surface.

After allowing time for the tubes to warm up again after being off for several minutes, I found that the machine continued to function as before. The sensitive dial settings were in position to create the stickiness. I moved the dial setting slightly left or right and the stickiness disappeared, but it reappeared when the dial was returned to the previous setting. Was Hieronymus right when he said the machine could amplify this magical eloptic energy, a.k.a. cosmic energy, emanating from matter?

Not So Fast! This was not a new tactile sensation; in fact, there was something familiar about this stickiness, but I was unable to place what it was. It felt similar to accidental contact with 60 Hz AC when not well grounded. When this happens, a person receives a slight vibratory feeling at the fingertips while touching the hot wire. The vibratory feeling is caused by the 60 Hz pulsations from the generators at the electrical power company.

Surprised at the operational success of the stick-plate, I was not convinced this was eloptic energy emanating from the fingernail clipping as Hieronymus proclaimed. Moving the position of my feet on the floor caused the dial setting to change slightly. Rearranging my arm as it rested upon the desk also changed the dial setting. What was causing the changes?

Circuit Analysis: It was time for an electronic investigation of the deepening mystery. A pickup coil attached to a Tektronix oscilloscope and placed close to—but not touching—the stick-plate quickly revealed the answer. There was an RF (radio frequency) signal in the lower part of the HF (high frequency) band, pulsed on and off at a 60 Hz rate.

To understand the riddle fully, readers may examine the electrical schematic for the Pathoclast as shown in the appendix. Hieronymus designed an amplifier for eloptic energy. For the most part, his amplifier is straightforward and well constructed. It is a three-stage broadband transformer-coupled amplifier using the 24-A sharp-cutoff tetrode vacuum tube, a good choice for that time period. The coupling transformers are untuned, 1 to 1 ratio, bifilar wound coils on a 1-inch diameter core of black Bakelite, each with an electrical shield. This is a standard design for a broadband RF amplifier, although Hieronymus claimed that the transformer shielding was to prevent sunlight from interfering with the coils of the transformer. His assertion is false because light has no effect on the function of a transformer. Normally, transformer shielding reduces undesirable coupling from one stage to another that can cause an amplifier to oscillate from instability.

Three stages of amplification, each shifted 180° from the previous stage, and the use of shielded coupling transformers makes this an inherently stable design, but the instability of the



Here we see the amplifier section of the Pathoclast. Notice the unshielded grid wire connected to the top post on each vacuum tube. While the coupling transformers were well shielded, as seen in the bottom half of the photo, the rest of the wiring was unshielded, allowing for an ample amount of feedback around the circuit, causing it to resonate at certain dial settings.

Hieronymus professed the belief that light from the sun acts as a conductor for the eloptic energy and, if allowed to fall on the electrical parts, would destroy their effectiveness; in this way, he explained and excused the transformer shielding.

circuit is caused in part by the long length of unshielded grid wire connected to the top of each tube. This unshielded wire allows for a high frequency (lower part of the HF band) phase shift that produces in-phase feedback from the output to the input, thereby causing the amplifier to oscillate at certain dial settings. This is exactly the same effect caused when the microphone gets too close to the speaker for a public address system. When certain output sounds of the amplifier are in phase with the input, the amplifier oscillates and causes the annoying squeal.

Hieronymus' first deviation from a traditional design for an amplifier of this nature was his use of raw AC for the plate supply of the tubes. There is nothing particularly wrong with AC on the plates, except that it prevents the linear transfer of a signal from input to output. The traditional Class A linear amplifier uses rectified AC (alternating current) to produce smooth DC (direct current) for the plate supply. The use of 60 Hz AC for the plate supply forces the amplifier to run in a pseudo class-C operation, which is a nonlinear and pulsed mode. Using AC for the plate supply appears to have been Hieronymus' deliberate choice because traditional DC was available elsewhere from the power supply.

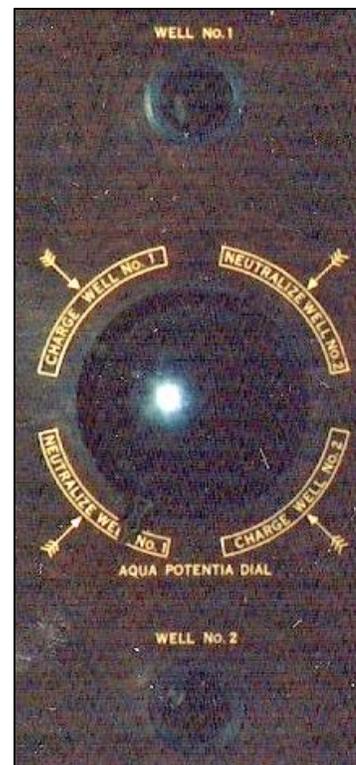
Missing from a traditional class-C amplifier design is the output tank circuit (a.k.a. the resonant circuit using a capacitor and an inductor) required to convert the amplified non-linear signal back into a linear output; instead, when switched to the diagnosing mode, the output of Hieronymus' amplifier was connected directly to the metal stick-plate.

For purposes of diagnosis, input to the amplifier was from the food diagnostic well, the aqua potential well, or a metal plate near to or attached to the patient.

The treatment mode switched the amplifier output to the therapy terminals connected to a metal plate placed on or near the patient, the food specimen well, the food drum, the aqua potential well, or the influencing well.

The treatment mode also provided 60 Hz AC connected directly to the patient and was operator adjusted for adequate current level by potentiometer R5.

A left-hand dial (representing disease) and a right-hand dial (representing the body) were used to determine a diagnosis expressed as a number called *rate*. The practitioner consulted a lookup table that translated the rate number into a diagnosis; for example, a left-hand dial reading of 29 indicated mumps, and a right-hand dial reading of 68 pointed to the inner ear as the mumps' location and was expressed as 29:68. Readers



This 4-position switch was operator controlled to set the sample well to either influencing (charge) or neutralizing (reverse the disease) for Well 1 or Well 2.

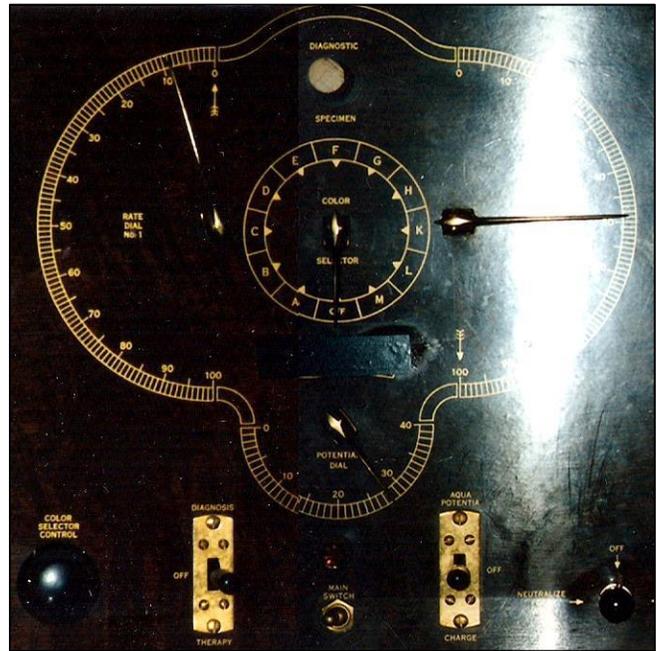
may see the rate charts in the appendix to appreciate the ways rate numbers were converted into diagnoses.

The disease dial was attached to potentiometer R4 while the body dial was attached to variable capacitors C5 & C6. Rate tuning was switched to the input of the amplifier for both diagnosis and treatment of a patient and to a combination of inputs and/or outputs for settings connected with the sampling wells. This rate tuning caused the amplifier to oscillate and become a low-power transmitter.

When the rate dials of the machine were carefully adjusted, which coincidentally caused amplifier instability (oscillation), the circuit would resonate in the lower HF band emitting a 60 Hz pulsed RF signal onto the stick-plate. This operating condition might remind us of slope amplification, first used in the early days of radio with the regenerative circuit, invented in 1912 and patented by Edward Howard Armstong in 1914.

Performing a diagnosis by using the rate dials produced this 60 Hz RF vibratory sensation of stickiness (or high surface tension) on the stick-plate but had nothing to do with the patient or any substance in a diagnostic well; instead, merely moving some wires attached to the collector terminal, whether connected to the patient or not, changed the dial settings. As mentioned earlier, when operators moved their arms or feet a little to the left or to the right, the settings changed in response; for instance, moving the operator's feet along the floor—however slightly—had enough effect on the machine to change a diagnosis from 29:68 (mumps of the inner ear) to 24:72 (ulceration of the right kidney). I found no correlation of the dial setting to a patient or a substance being analyzed; instead, only the placement of the wires connecting the patient to the machine and the position of the operator's arms or feet affected the dial settings. It was easy to change the diagnosis by just changing the position of an arm, thereby tricking both the operator and the patient into believing the machine was working correctly.

The Riddle Unravels—Quack, Quack! An overwhelming amount of convincing evidence points to a brilliant hoax, expertly perpetrated on doctors, practitioners, and patients, not to mention the U.S. Patent Office. It is not whether the Pathoclast works; it is whether people think it works! Knobs, dials, meters, and lights make the Pathoclast a complicated



Here are both rate dials that were adjusted using controls to the left beyond the view of the photo.

looking device. The secret for making this machine function convincingly depended on the practitioner receiving a tactile sensation from the stick-plate and, of course, for the patient to feel the salutary effects of treatment. Hieronymus admitted that he *deliberately worded the patent application so nobody could read it and glean enough specific information to build a workable device.*

The resonant condition for the amplifier, causing it to become an RF transmitter, is clearly not identified in the patent application. Neither is the use of 60 Hz power for the amplifier plate supply identified, nor the treatment of the patient using live 60 Hz AC power.

Convincing patients that they were receiving successful treatment from the Pathoclast was in fact, quite easy. They were connected to a pair of wires supplying a low-voltage 60 Hz AC, a potentially dangerous procedure. The current was slowly increased, using R5, until patients felt a slight tingling sensation. The operators then proclaimed that healing energy was successfully flowing into the patients' bodies.

As a 30-year employee of KCP&L, Hieronymus was well acquainted with the effects on the human body when in contact with low-voltage 60 Hz power. A vibratory sensation at the finger tips from touching a 60 Hz electrical wire can be surprising to a person but not necessarily lethal when the voltage is under 25 VAC, depending on skin conductivity. Hieronymus deliberately kept the treatment terminal voltage under 25 VAC (the value normally considered to be nonlethal) by limiting the source to a maximum of 22 VAC and using potentiometer R5 to further reduce the applied current to the patient.

The most incriminating component in the schematic diagram is RF Choke L5. If Hieronymus did not expect this electrostatic energy to be electromagnetic, why did he incorporate an RFC between the 22 VAC supply and the therapy terminals? He obviously knew there was an RF signal on output.

As someone who built a wireless set at age 16, Hieronymus would have been quite familiar with the tactile sensation from accidental contact with RF energy emitted by the antenna. Contact with high-power RF can leave a nasty burn on the fingers, but touching a wire connected to a low-power RF



In the left center of the photo can be seen the DuMont oscilloscope on the top shelf of Hieronymus's workbench. Photo from [The Hieronymus Files](#)

source produces a special tactile sensation not experienced elsewhere. Many amateur radio operators and RF engineers are familiar with that sensation.

Hieronymus apparently had the capability to detect and measure this RF energy in his lab. Observing test equipment on his bench, we notice an oscilloscope made by DuMont, perhaps Model 164-E made around 1945, one year prior to Hieronymus' patent application. This scope has sufficient bandwidth to easily detect and display an RF signal in the lower HF band.

Perpetrating this brilliant hoax was possible only by someone who understood both the special vibratory sensation from contact with 60 Hz energy and from the sensation of increased surface tension when rubbing a metal surface connected to a low-power RF voltage.

Although Hieronymus claimed eloptic energy was not electromagnetic, he built the machine and perpetrated the hoax based on his knowledge of electromagnetic principles.

Perhaps Thomas Galen Hieronymus shared the philosophical perspective of his namesake, Galen (born AD 129), the Greek physician in the Roman Empire who believed he had scientifically proved that the mind and the body are so connected as to be one faculty. Possibly, Hieronymus hoped the deceptive Pathoclast would restore patients' health through the power of mental suggestion. The alternative—that he was so heartless as to profit from machines that trifled with patients' lives—appears incompatible with his biography! Whatever his motivation might have been, somewhere along his journey in life, the line between Hieronymus' speculative metaphysical side and his empirical scientific side blurred. Given his distinguished career at KCP&L, his volunteer work on the behalf of the Boy Scouts of America, his leadership in the community, his distinguished military career, and his prolific contributions as an engineer, Hieronymus rose above reproach, and no one ever questioned his claims for the Pathoclast. Throughout his life, he remained uncensored.

The radionics hoax persists with the production of new solid-state designs and with practitioners hoping to experience the stick-plate sensation, thereby enticing new generations to put their faith in eloptic energy's healing power.

Revised July 28, 2020

Acknowledgments:



I thank Dr. Robert T. Rhode for his help in editing this document. Check his site where you will find many fascinating books and eBooks, as well as several free documents to enjoy, including original sumi-e art.

I thank Jim Gray and the staff at the *Ham Radio Horizons* magazine, now defunct, for identifying the Hieronymus Machine as a mystery demanding an explanation.

I thank the owners of the Pathoclast Model 1X-C that lent their working machine for use in the evaluation. I want to underscore that my findings are not intended as an indictment of their credulity. I appreciate their intelligence, as well as their kindness. If I am right in my evaluation of the Pathoclast, I can offer that only individuals well trained in electrical engineering would be likely to doubt the apparent practicality of such an impressive machine.

Appendix:

Thomas Galen Hieronymus received a U.S. patent for the Pathoclast on 27 September 1949. By comparing this diagram to the actual schematic diagram, it is relatively easy to detect the deception perpetrated by the omission of circuit critical details in the patent application.

Sept. 27, 1949.

T. G. HIERONYMUS
 DETECTION OF EMANATIONS FROM MATERIALS AND
 MEASUREMENT OF THE VOLUMES THEREOF
 Filed Oct. 23, 1946

2,482,773

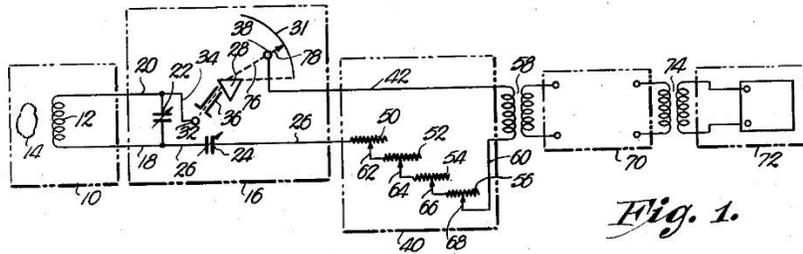


Fig. 1.

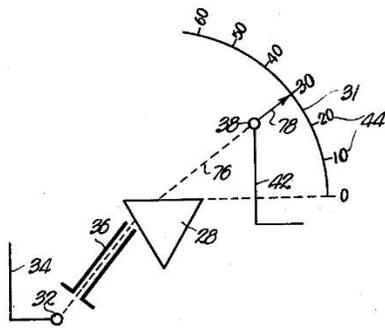


Fig. 2.

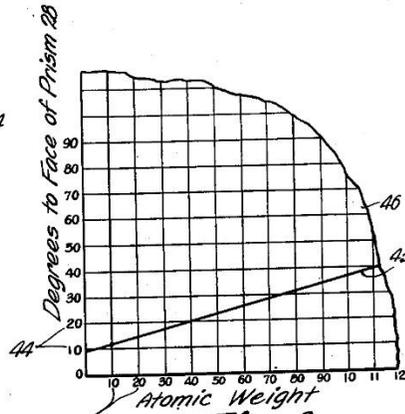


Fig. 3.

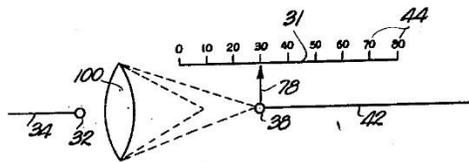
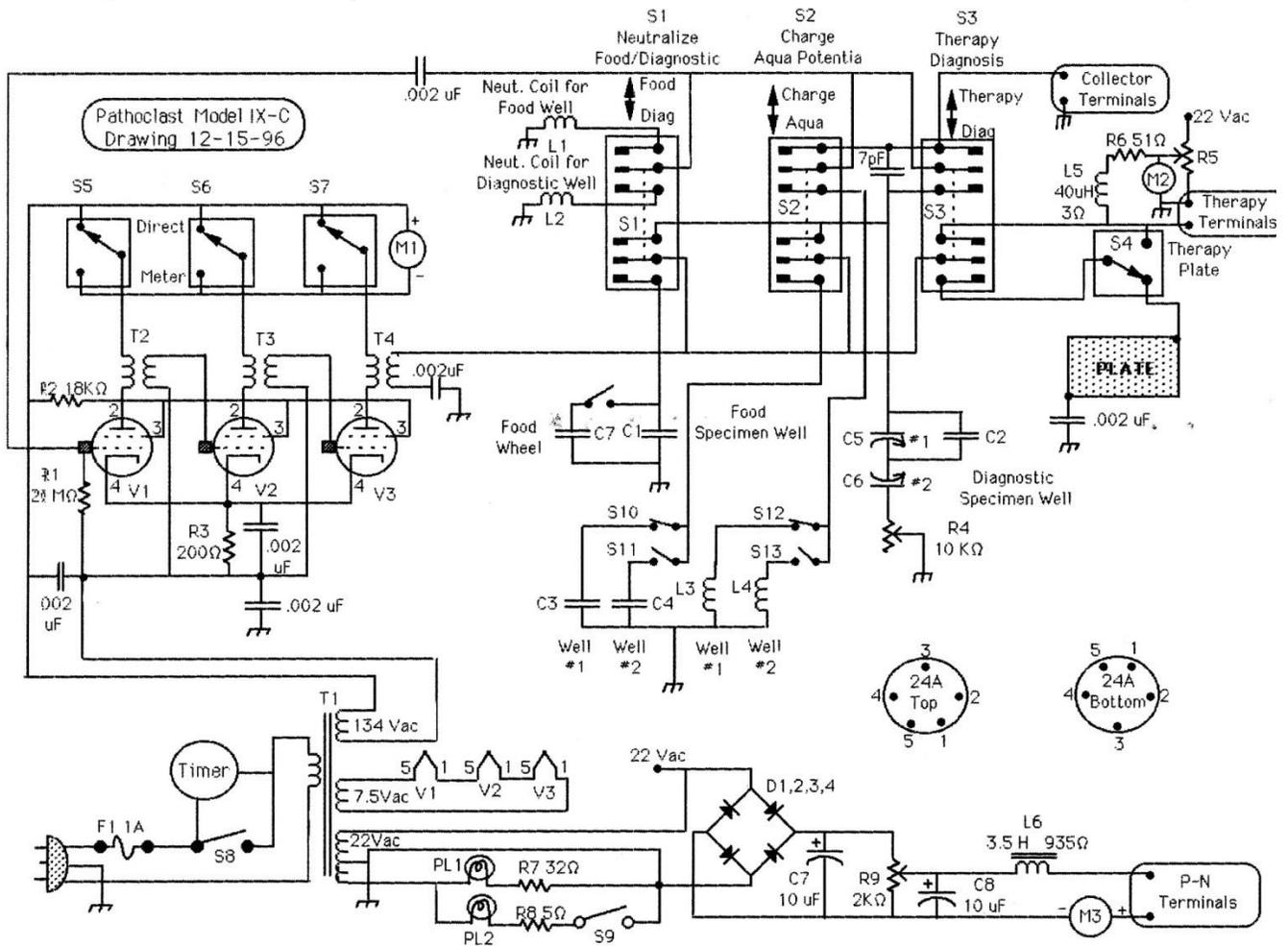


Fig. 4.

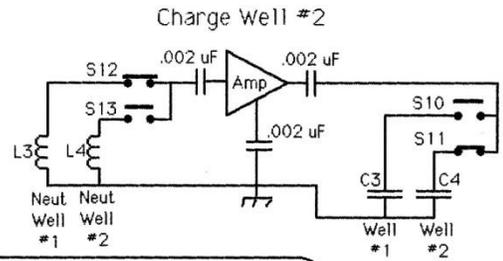
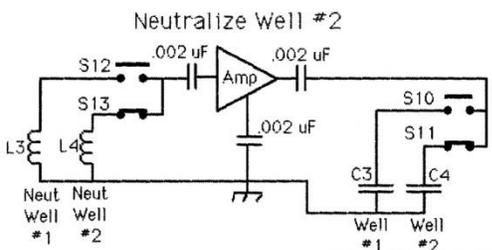
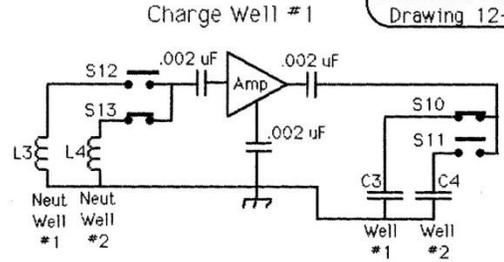
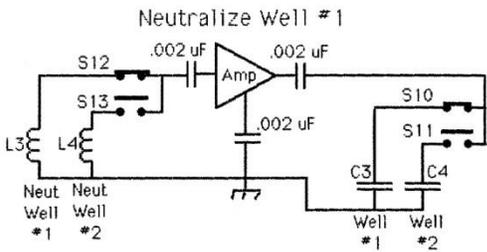
INVENTOR.
 Thomas G. Hieronymus
 BY *Carl Stoney*
 ATTORNEY.

Here we see the schematic diagram for the Pathoclast Model 1X-C used for evaluation.

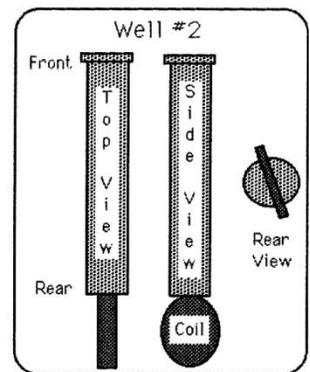
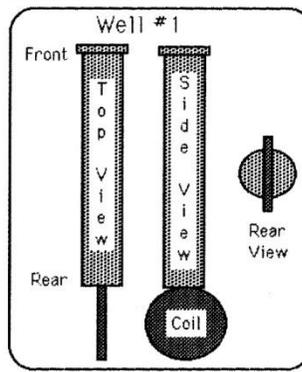
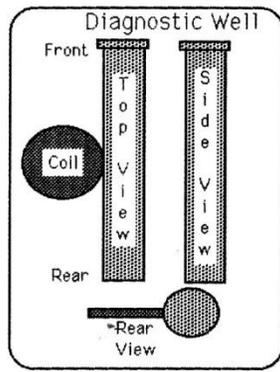
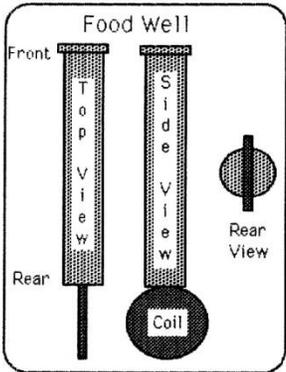


These are the breakout schematics for the various wells used for analysis and influencing on the Pathoclast Model 1X-C.

Pathoclast Model 1X-C
Drawing 12-15-96



Layout of Sample Well with regard to the Neutralizing Coil



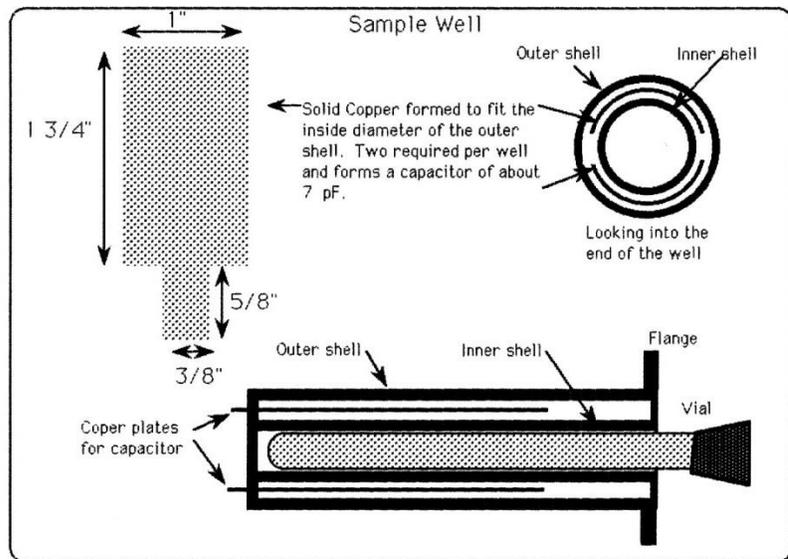
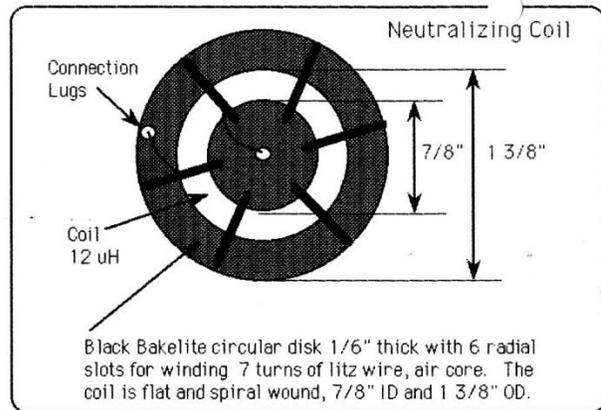
Here are the parts list for the schematic and a diagram for the neutralizing well.

PARTS LIST (PARTIAL)

- C1, C2, C3, C4 Sample Well Capacitors, See drawing
- C5, C6 1000 pF Variable, See Chart
- C7, C8 10 ufd @ 35 Vdc
- All .002 ufd are Silver Mica's
- D1, D2, D3, D4 Bridge Rectifier
- F1 1A Screw Base Old House Fuse
- Food Wheel, 6" Diam, 6" Long, Hollow Cylinder with 6 rows of 25 holes/row, to hold food capsuals. 150 Holes total. Rotates between capacitor plates selectable from front pannel
- L1, L2, L3, L4 Neutralizing coils 12 uH with .32Ω dc, See Drawing
- L5 40 uH with 3Ω dc
- L6 3.5 H with 935Ω dc
- M1 dc/ac Current Meter
- M2 ac Volt Meter
- M3 dc Current Meter (Ohm meter)
- PL1 Pilot Light On/Off
- PL2 Light for Color Wheel
- Plate 7" x 10" 1/16" Steel
- R1 20 Meg Ω Carbon
- R2 18KΩ Carbon
- R3 200Ω Carbon
- R4 10KΩ Pot (see Chart)
- R5 Pot
- R6 51Ω Carbon
- R7 32Ω Wire Wound
- R8 5Ω Wire Wound
- R9 2 KΩ Pot
- S1, S2, S3 DPDT Center off
- S4, S5, S6, S7 SPDT
- S8 SPST
- S9 SPST
- S10, S11, S12, S13 SPST Normally closed
- T1 Power Transformer
- T2, T3, T4 RF coupling transformer, 1:1 Ratio, Air core, Bifilar on 1" Diameter core of black Bakelite.
- Pri=80 Turn, 13 uH with .8Ω dc, Sec=80 Turn, 13 uH with .8Ω dc, Aluminium Shield Can
- V1, V2, V3 24A Glass

Food Wheel, 6" x 6" Cylinder, All Bakelite, 6 rows of 25 holes/row for a total of 150 holes. Holes are to hold food capsuals

Pathoclast Model IX-C
Drawing 12-15-96



This is the rate chart for the left-hand dial and represents the diagnosed disease.

LEFT HAND DIAL, CONDITIONS

- 1 Building rate
- 2 Virus pneumonia, Encephalitis (often combines with 3 and 14 in Polio)
- 3 Polio - often found in sore throat. (3 and 14 also)
- 4 Pneumonia, Malaria, Typhoid, Mumps, Measles. Often found with 84
- 5 Diphtheritic Mucosa, Acidosis, Swelling, Throat, Lungs, Colon, Lymphatics.
- 6 Flu Aftermath, Chronic, Kidney Tubules, High Blood Pressure.
- 7 Calcification- found with Sarcoma - often with Fibrosis - always in Arthritis and Gall Stones - found in all parts of body including brain, eyes, muscles, etc.
- 7.5
- 8 Ulceration- pus found in carbuncles, sinuses, appendix, uterus, teeth, etc. Always accompanied by pain - found in brain causing severe headaches.
- 8.5
- 9 Fungus - found in Athlete's Foot, Mouth, Skin, Ears - often accompanied by other fungus (45 and 86)
- 9.5 Fungus.
- 10 Undulant Fever - one of several. (Along with 83 and 65)
- 11 Spasm
- 12 Tobacco Poison- generally found in Mucous Membranes.
- 13 Crystalization- Calcification similar to 7 - often found with Sarcoma, Fibrosis, Gall Stones
- 14 Meningococcus- also combines with 2 and 3 in Polio. May be found in Stomach, Gall Bladder, etc., Also in brain causing sick headaches.
- 14.5 All sorts of pain and trouble - Spine, Kidneys, Coccyx, etc.
- 15 Streptococcus.
- 16 Aluminum Poison - may be found most any place.
- 17 Poison.
- 18 Brucillis Abortis- Undulant.
- 19 Toxic feeling (fungi?)
- 20 Syphilis
- 20.5 Destroys Leukocytes - found in Lymphatics, Liver and Blood building organs.
- 21
- 22 Hypertoxicity - causes tension and constriction.
- 23 May be Cholesterin - found with Gall Stones, Carcinoma. May be found any place in the body. Acts like a catalyst to hold other conditions.
- 24 Causes Ulceration - also found in Mucous Membranes.
- 25 Caries - tooth decay
- 26 Acidity
- 27
- 28
- 29 Mumps
- 30 Carcinoma
- 30.5 Blood Cancer. Found in Leukemia and Blood Dyscrasia.
- 31 Causes real pain - found in Stomach, Throat, etc.
- 32 Cold- causes watery discharge - found in Eyes, Sinuses, Turbinates.
- 33 One of the Undulant Fevers. Found throughout body.
- 33.5 Cold and Flu.
- 34 Staphylococcus.
- 35 An irritant often found with 34.
- 36 Localized Spasms- found in Muscle, Stomach, Sphincteres, etc. (hiccups - convulsions)
- 37 Salt or excess Chlorine (vomiting)
- 38 Flu - the one most often found.
- 39 Found in Colon, Skin, Brain, Liver (most any place) (39 - 89 Round Worms)
- 39.5 Found in Colon and Stomach in Cramps.
- 40 Congestion
- 41 Nickel - poison found most any place. Causes teeth to loosen.
- 42 Tuberculosis.
- 42.5 Fungus similar to 45.

LEFT HAND DIAL, CONDITIONS, continued

- 43 Found where pain and pus are involved. (In ulcerated teeth and in milk leg.)
- 44 Toxin found with other diseases. Treat out others first.
- 45 Fungus - found in Leprosy and Scaly Skin - also in Ears, Eyes, Sinuses, Meninges, Connective Tissue, etc. (42.5 also)
- 46 Flu - found in Stomach, Duodenum, Earache. (E E E) (?)
- 47 May be Food Poison - found in green apple cramps, diarrhea.
- 47.5 Causes stinging and burning similar to 24.5
- 48 DDT Poisoning
- 49 Goes up when treated. May be a quality of blood. Treat with caution.
- 50 Probably Anemia.
- 51 Probably an Undulent Fever - often accompanies and is similar to 8, 34, 24, 43 and 81 in pus, ulceration, etc.
- 52 Arsenic
- 52.5 Like Staph or Ulceration - causes pain.
- 53 Nerveous Exhaustion - Toxicity - causes severe weakness, nerve tension, shakiness, palsy; no pain.
- 54 Necrosis - found where tissue is destroyed. DO NOT TREAT.
- 55 Inflammation
- 56 Bovine Virus.
- 57 Probably an Undulent Fever. Causes great weakness. Found in Heart, Lymphatics, Kidney, Liver, etc.
- 58 Sarcoma.
- 59 Probably Undulent Fever - similar to 57
- 60 Streptococcus - always found in hemorrhage.
- 60.5 Found in Colds, Sinuses, Eyes, Mucous Membranes.
- 61 Found in Colds, Sinuses, Eyes, Mucous Membranes.
- 62 Bacillus Coli
- 63 Similar to Flu.
- 63.5 Found in Arthritis. Causes shakiness.
- 64
- 65 Undulent Fever
- 66
- 67 Burning sensation (?)
- 68 Reumatic Fever - causes achey muscles.
- 69 Found in Multiple Sclerosis. Shaky feeling inside. (see 74)
- 70
- 71 Burns - Sunburn - found in all cases of burn, even in internal tissues and organs.
- 72 NCI may be found in any tissue or organ.
- 73
- 74 Found in Multiple Sclerosis. (see 69)
- 75 -75 Diverticulitis (Colitis) (Stagnation of feces in distended sacs of colon)
- 76 Cold - sneezy watery.
- 77 Hypotonicity. Flaccidity - depletion of Nerves, Muscles, etc.
- 78 Flu
- 79
- 80 Metal Poison - Lead
- 81 Fibrosis - found throughout body.
- 82 Often accompanies 71 in burns. May have something to do with moles.
- 83 Fungus - found in Colon, Stomach.
- 84 Found with 4 in Pneumonia, also in throat and bronchi in Laryngitis. Found in Heart, Lungs, Kidney, Brain.
- 85 Allergy - found in Poison Ivy.
- 86 Fungus - found throughout body. Trench Mouth.
- 87
- 88 Found in respiratory tract as result of pungent smoke from fire. May be Nitrous Oxide.
- 89
- 90
- 91 Virus - often accompanies 2 and 83. 97
- 92 Ulceration 98 Building Rate - similar to 1 DO NOT TREAT
- 93 Found in Multiple Sclerosis. 99
- 94 100
- 95 - 85 High fever
- 96 Coryza. Weeping

End, "CONDITIONS" left hand dial

This is the rate chart for right-hand dial that represents a location on the body for the diagnosis.

<u>No. 2 Right Hand Dial</u>		<u>Locations</u>
1		47
2	Hypothalamus.	48 Upper Nasal Area.
3	Frontal Sinus	49 Blood
4	Jaws - Parotid Area.	49.5 Periosteum.
5	Front or Forebrain.	50 Frontal Sinuses.
6	Pacchion Bodies.	50.5 Meninges.
7		51 Mucous Membranes
8	Ascending Colon - Appendix Area (66)	51.5 Hypothalamus.
8.5	Head - in headaches.	52 Duodenum.
9	Ethmoid or Turbinated Bone.	52.5 Omentum.
10	Midbrain.	53 Thoracic Area.
11	Nerves.	54
12	Mouth or Rectum Mucous Membranes.	55 Spinal Fluid
13	Urinary Bladder.	56 Breasts- Mammary Glands
14	Scalp (hair)	57
15	Pons or Medulla	58
16	Larynx.	59 Salivary Glands
16.5	Eppiglottis.	60 Cecum
17	Lymphatics.	61 Connective Tissue-Fatty Tissue
18	Eye Ball.	62
19	Conjunctiva.	63 Left Kidney Tubules
20	Parietal Area of Brain - Reflexes with Ovarian Tubes.	64 Lacrimal (tear) Ducts.
20.5	Ear - Outer Passages.	64.5 Cribriform Area of Ethmoid Bone
21	Bone - Bone Marrow.	65 Anterior Pituitary.
21.5	Ligaments - sprained ankle.	66 Appendix.
22	Ovaries.	67 Ureter (duct)
22.5	Subcutaneous Tissue.	68 Inner Ear.
23	Kidneys.	69 Eustachian Tubes.
23.5	Bile Duct.	70 Heart
24	Mastoid Area.	70.5 Artery to Brain and Scalp.
25	Teeth and Gums.	71 Arteries.
26	Prostate (in Male) Cervix in Female (81-26 during hemorrhage)	71.5 Glottis.
27	Spinal cord.	72 Right Kidney Tubules.
27.5	Vagus Nerve	73
28	Pineal.	74 Lower Lungs.
29	Liver	75 Diverticulum.
30	Brain - over temples.	76
31	Connective Tissue.	77 Thymus
32	Stomach.	78 Hepatic Flexure - Transverse Colon.
32.5	Laryngeal part of Pharynx.	79 Eye Lid Lining - Styles.
33	Maxillary Sinuses.	80 Splenic Flexure.
33.5	Eye Cornea.	81 Uterus.
34	Pancreas	82 Intestines.
34.5	Nasal Passage.	83 Bronchi.
35	Gall Bladder.	84 Part of Stomach
36	Nasal part of Pharynx - Adenoid Area.	85 Skin- Hair Follicles.
37	Throat	86 Urethra (external Orifice)
37.5	Maybe Sphenoid Sinuses?	87 Pituitary.
38	Pylorus. (lower orifice of stomach to duodenum)	88
39	Parotid.	89
40	Occiput.	90 Colon- descending.
41	Muscle	91 Nerve Endings (skin)
42	Derma.	92 Parathyroid.
42.5	Sphincter Muscle of Anus.	93 Upper Portion of Lung.
43	Esophagus.	94 Duodenum.
44	Lymph Nodes.	95 Spleen.
45	Left Lobe of Liver.	96 Coccyx.
46	Brain- Muscular Responses Area	97 Veins.
		98 Thyroid.

99
100 When things are wide spread.

END- "LOCATIONS"

Here we see the robust construction techniques using good quality materials, well laid-out components, and neat point-to-point wiring with bare wire covered in black cloth spaghetti-style insulation. Note the brass chains used to connect the adjustment dials to their variable controls.

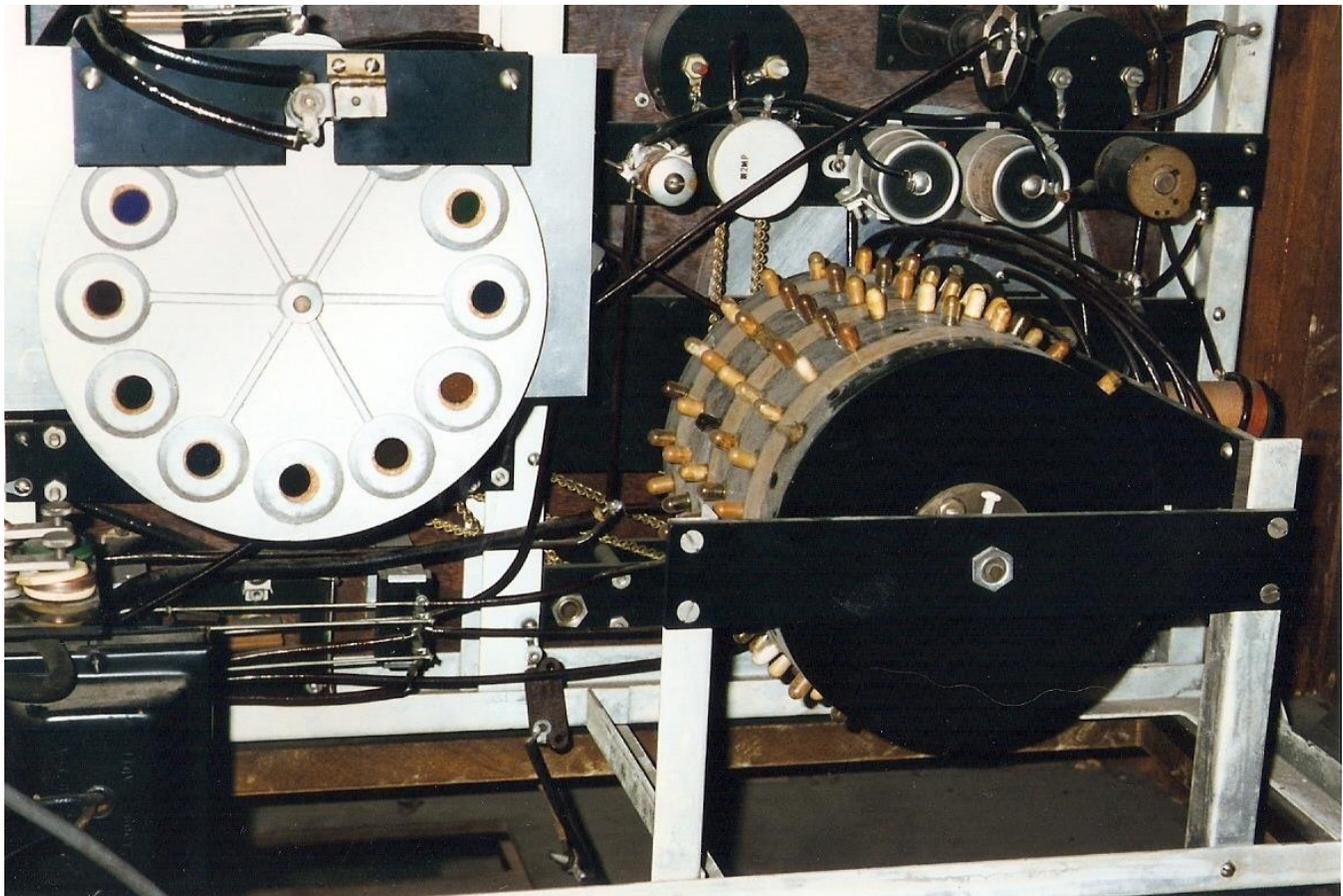
On the left side of the photo is a circular aluminum casting with 12 colored plastic disks inserted into an opening. A light bulb, at the top of the disk, shines light through the colored disk and onto a pick-up coil that was used for color analysis.

On the right-hand side is a substance drum containing 150 plastic medicine capsules filled with various dried foods and chemical substances. The drum rotates into position, one at a time, bringing each capsule next to a pick-up coil used for substance analysis by the circuit.

Hieronimus enunciated the belief that many plastics, particularly colored plastics, could destroy the machine's effectiveness, so we see ample use of black Bakelite as an insulator.

Color wheel

Substance drum



Hieronymus proclaimed the belief that tuning capacitors must have a specific shape to work properly. Here we see half of Variable Capacitors C5 & C6 used for the rate tuning that determined the disease location in the body.

Note the non-calibrated meter featuring the manufacturer's name, Pathometric Laboratories, Chicago, used to monitor plate current for the amplifier tubes.

C5-C6

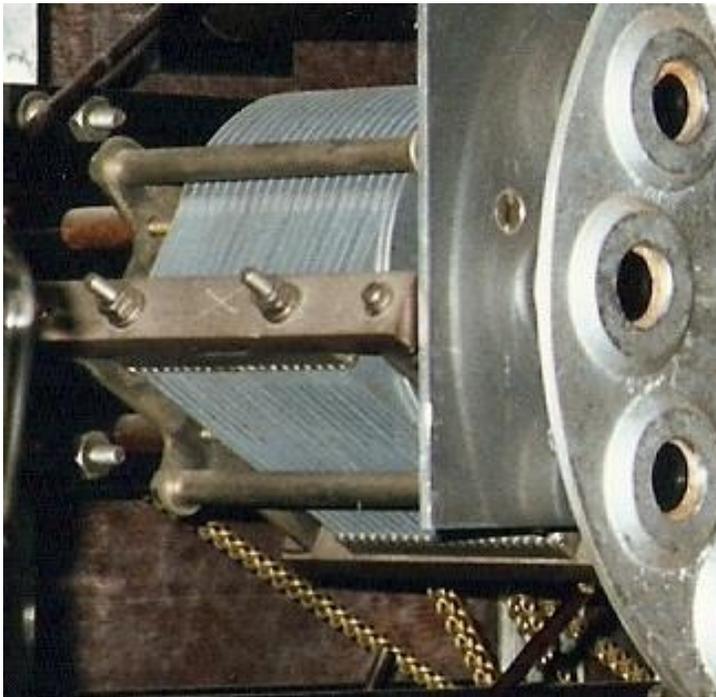
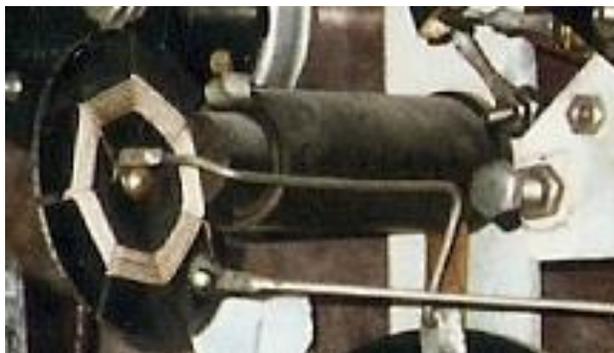


Plate Current Meter



Here we see the back side of the panel for Well 1 and Well 2.

Well 1



Well 2

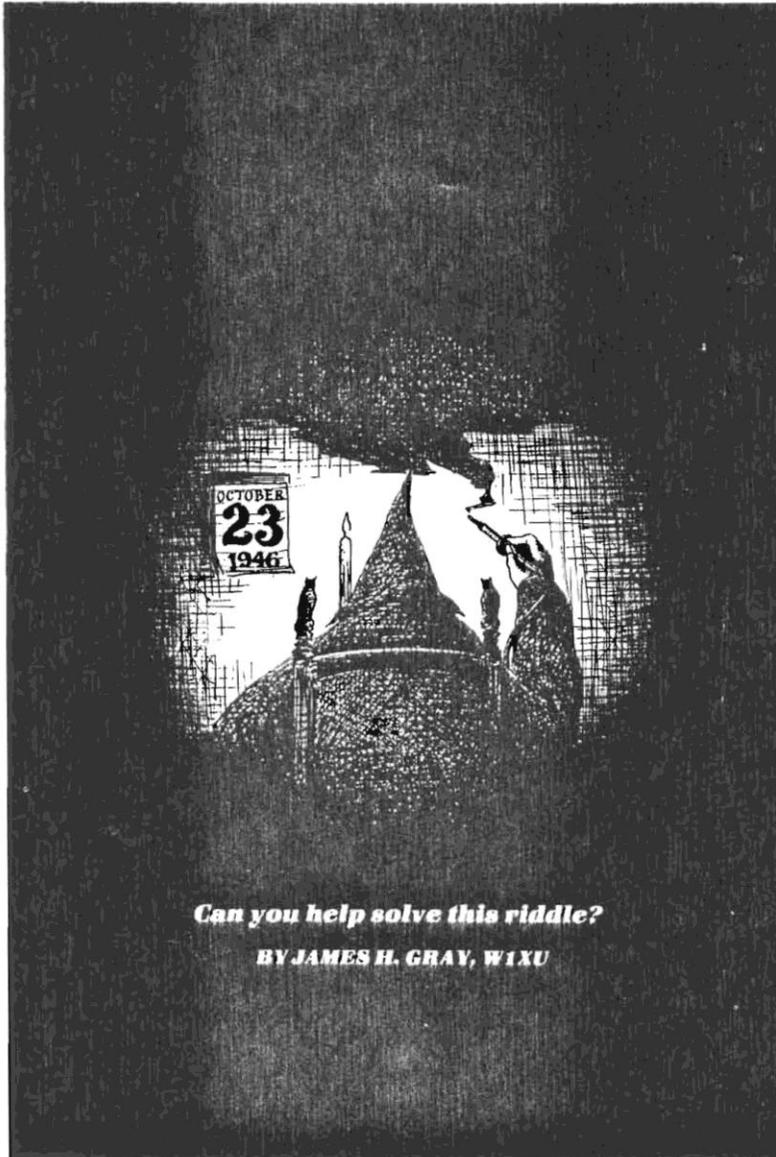


Here may be seen evidence of usage and wear on the Pathoclast. There are a multitude of adjusting knobs and switches that can easily confuse an operator, thereby causing the machine to not work correctly or not work at all. No wonder it took me so long to find the right setting to achieve success with the stick-plate!

In the center of the picture, the black electrical tape hides the owner's name.



THE HIERONYMOUS MACHINE



If there's anything a ham can do, it's put two and two together and make 4, 22, 100 (binary) or whatever combination is not immediately apparent, right? Right!

Traditionally the radio amateur has been viewed by his friends as a "tinkerer," by

his neighbors as "that fool kid with all the radio junk" and by his family as a time waster. History, however, records a more favorable, if longer, view. The ham has usually been the experimenter who, not knowing "it can't be done that way," has gone ahead and done it

anyway, like the bumblebee. Some people call it genius. The ham prefers to think of it as just a little different way of looking at things. Today, more than ever, the world needs people who see things in more than one perspective and from more than one point of view.

A challenge

You ask, "What has this got to do with me?" Well, there's a real riddle afoot and it's been around for at least thirty years. It's just the sort of thing that perhaps a ham might solve. The solution will probably require some different, original, and creative thinking. Here's what it's all about.

In 1946, inventor T. G. Hieronymus filed a patent application dealing with a method and apparatus for the "Detection of Emanations from Materials and Measurements of the Volumes Thereof." In 1949, U.S. Patent 2,482,773 was issued to T. G. Hieronymus for his method and apparatus. Copies of this patent may be obtained for a nominal sum from the Commissioner of Patents, United States Patent Office, Washington, D.C. So far so good. There's only one problem, or riddle, with Hieronymus's machine: it just can't work by any known method or means, yet it does. It can be demonstrated, it can be described, and it can be built inexpensively. This is the *how* of the invention. No one knows or can describe *why* it works, what its principle of operation is, or what kind of emanations are detected. Furthermore, it works for only about 60 per cent of the people who try it.

The apparatus

What does it do? Well, one thing it does is analyze

materials by — presumably — detecting some form of radiation or emanation from the material being analyzed. Hieronymus found that these emanations can somehow be "focused" by a lens, refracted, and dispersed by a prism. He speculated that the emanations



were electro-optical, he built an electro-optical detector coupled to a tuned rf amplifier, a variable resistance element, an analyzer, and, finally, a pickup coil or loop. The detector is merely a piece of plastic with a flat — or spiral — wound coil attached to it. The coupling transformers are untuned rf types. The rf amplifier is a simple, 3-stage, broadcast-frequency type; and the analyzer, which at first appears complicated, is really quite simple. The pickup or sampling coil may be a single-layer cylindrical inductor or it may be a flat, spiral type.

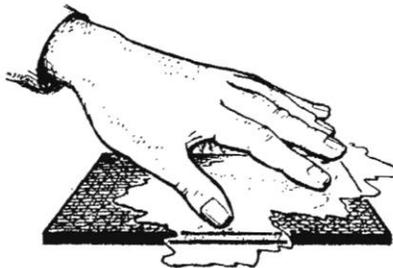
The analyzer includes a pair of broadcast tuning capacitors, a prism (or lens), a pickup antenna, and a calibrated dial scale, plus a platform or box to mount these on. The antenna is movable in an arc along the dial scale, changing its position with respect to one face of the prism (or changing its

distance with respect to the lens) over a predetermined range of positions and distances.

How it works

To operate the machine, a sample of unknown material is placed near the pickup coil; the operator turns on the amplifier and gently strokes or touches the plastic detector plate while tuning the capacitors in the analyzer and changing the angle between antenna and prism. At some point, or points, of adjustment a peculiar sensation may be felt on the detector plate.

To some persons the sensation is sticky or tacky; to others, it feels cool or warm; to still others, it feels slippery! However, the angle for maximum sensations from a particular sample *remains the same*, even for different operators. If the material contains a considerable amount of one element, the sensation is strong. Conversely, if only a small quantity of an element is present, the sensation is weak. Thus a *gain* control, or variable resistance, can be of use in calibrating the machine. Each material tested or analyzed will



have its own particular angle, or angles, of antenna adjustment for the production of sensations at the detector. If these angles are plotted as a series of points on a graph having on one axis the atomic

weights of the elements from the periodic table, and on the other axis the prism angle, a straight line can be drawn connecting the points on the graph and showing atomic weight as a function of prism angle. In this manner, after a graph has been constructed, one may analyze unknown material to determine its composition and obtain a relative idea of the quantity of each element present in the sample. This brief description is by no means complete or sufficiently detailed to offer more than an idea of the invention. The complete details of construction and operation must be obtained from the patent declaration.

Ideas for the experimenter

It is not a hoax, and every word is true to the best of my knowledge. Of course, this article only poses the questions and does not provide many answers. I have some questions of my own! Could two machines be built and used as transmitter and receiver by loosely coupling the sample coils of each? Would filters improve sensitivity? Is the device frequency sensitive? Can materials other than metals be easily analyzed? Will other forms of detector work (*i.e.* audio, rf, ultrasonic, infrared or ultraviolet)? Why can't everyone use it? What, if anything, is being detected or emanated? Can the circuit be transistorized? Some constructors suggest that only a circuit schematic is necessary; it need not be a physical reality!

C'mon you hams, inventors, and creative thinkers, give it a try. It's a good bet that if the riddle is to be resolved it won't, in all probability, be deciphered by an established scientist. The solution could well be provided by a ham — perhaps you!

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Sept. 27, 1949.

T. G. HIERONYMUS
DETECTION OF EMANATIONS FROM MATERIALS AND
MEASUREMENT OF THE VOLUMES THEREOF
Filed Oct. 23, 1946

2,482,773

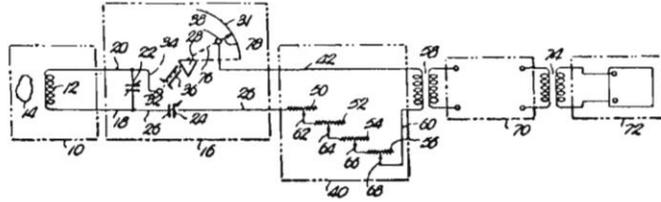


Fig. 1.

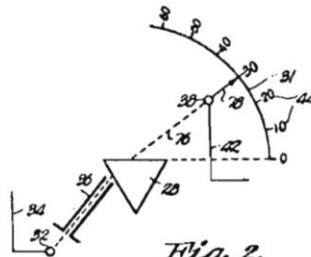


Fig. 2.

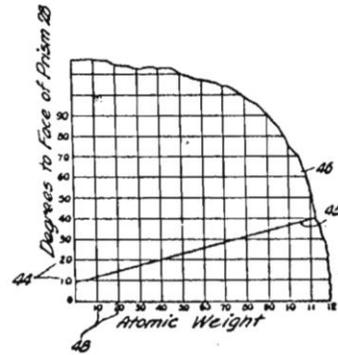


Fig. 3.

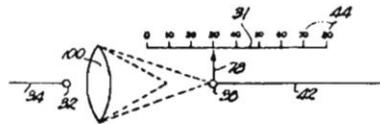


Fig. 4.

INVENTOR.
Thomas G. Hieronymus
BY *Ed. J. [Signature]*
ATTORNEY.

Reproduction of part of T. G. Hieronymus's patent declaration for his apparatus for "Detection of Emanations from Materials and Measurement of the Volumes Thereof," issued in 1949. Some questions about this scheme remain unanswered. Perhaps readers who have inquiring minds can provide the answers. A provocative challenge for experimenters!

Scientists, in the narrowest sense of the word, won't touch pseudoscience! Those of broader views will at least look. Does anyone know any more about the Hieronymus machine than was known in 1946? If someone does, let him come

forth and explain. Here's a golden opportunity to make a fundamental discovery and have some fun at the same time. For experimental use, serious investigation, or just plain fun, try a Hieronymus machine!

HRH

THE PATHOCLAST NEWS

VOLUME IV

NUMBER 1

New Disease Finder Thrills London Doctors



Making a diagnosis with the Pathoclast

ROBOT DOCTOR IN HARLEY STREET

(Reprinted from "The Standard," Montreal)

Working in one of the tall quiet houses of London's Harley Street, the most famous street of doctors in the world, is a new doctor.

The "doctor" is a "robot"—a machine. It looks like a short wave wireless set, and it is tuned in to diagnose illnesses.

It has been used in Harley Street—secretly—for the past twelve months. More than 60 titled people are on the "robot doctor's" waiting list.

On that list, shown to "The Standard" in confidence today were the names of three generals, fourteen colonels, two baronets, three knights, and more than 40 titled women.

Out of all the experiments with electric and light rays carried on by scientists all over Europe strange things are emerging; doctors believe that possibly we are on the threshold of health for everybody.

The "robot doctor" is the result of the combined forces of three Englishmen—a physicist, an electrical engineer, and a doctor.

The physicist is Capt. C. S. Price, formerly of Australian Army Medical Corps.

Hidden Force

I have just witnessed a series of startling experiments. They were made yesterday in a Harley Street surgery before the astonished eyes of a group of medical research workers.

The physicist began the experiment, saying: "There is a hidden, invisible force in the human body which no scientist can capture in his test tube, a power, for want of a better word, we call LIFE, a vital force which is forever fighting diseases of the human body.

"This vital force is vibratory. All human body tissue vibrates, and we have established that diseased human tissue has entirely different vibratory characteristics from normal tissues or cell activities.

"Each disease has its own rate of
(Continued on page 2, col. 1)

NEW METHOD OF ANALYZING AND CORRECTING DISEASE

The study of radio has revealed an entirely different method of detecting and correcting disease. Although this new method may be entirely strange to most, it is not mysterious; and Pathometrists are anxious that everyone should understand how it works.

A Simple Explanation

The easiest way to explain the PATHOCLAST is to make a simple comparison with the radio, for they use the same principle of determining vibration identity.

As a layman in the field of radio, you may not know either the specific wave-lengths of radio stations WMAQ and WGN, or the exact wave-length calibration of your receiving set. Yet you know that day after day you can get station WMAQ at 78 and WGN at 67. They come in regularly at these readings.

Again, when you tune in at either of these numbers and get a response, you know that the station is broadcasting. But when at the same numbers you get only silence, you are reasonably certain that the station is "off the air".

Research has shown that this same principle may be applied to Pathometry—that is, the registering of disease—because all life is vibration.

Dr. George W. Crile, Director of the well-known Cleveland Clinic, once said:

"The medicalman of the future will 'tune in' on the living body as one does now on the ordinary radio. By 'listening in' to the short waves transmitted by the various organs, he will hear the symphony played by the living organism and will determine the rhythms of the 'dance of life' . . . Long before there is any outward evidence of disease, the physician-radio-engineer of the future will thus be enabled to tell by the reception of the life waves whether they are playing a melody of health or signalling an S.O.S."

Pathometry, one of the greatest of modern discoveries, has shown that diseased tissue vibrates differently than normal tissue, each type of disease, whether advanced or incipient, having a wave length peculiar to itself. In short, a specific type of disease always has its special wave length. (Continued on page 3, col. 1)

THE PATHOCLAST NEWS

A miniature newspaper full of human interest stories on Pathometry and kindred subjects — published by

ERNEST L. FANTUS CO.

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THE GHOST OF INFLUENZA IS ABROAD

Influenza (formerly known as LaGrippe) has a strange way of leaving its after-effects like poison fangs in the flesh—often unrecognized for many years. It is not uncommon that a Pathoclast examination reveals “flu” still present in a patient who says, “But, doctor, I haven’t had flu in years!”

The cardinal symptoms of “flu” are three: (1) General aching, often beginning in the back and legs; (2) slight fever, and (3) weakness out of all proportion to the degree of fever. The text books of the future will add this further observation: Unless the “flu” patient is confined until completely recovered, the condition is apt to get a strangle-hold which persists for months and years, expressing its effect in a score of different disorders, most frequent of which are (1) nervous fatigue on slight provocation, (2) uncomfortable oppressing feeling in the solar plexus and (3) early let down in the functional capacity of the heart and kidneys.

The only known pathology of Influenza is a “damage to the suprarenal capsule”, but the lasting effects of this sinister ghost are taking a tremendous toll from the energies of a multitude of so-called well people.

Fortunately now through the use of this relatively new equipment it is possible to detect and quite successfully eradicate this elusive curse.

ROBOT DOCTOR IN HARLEY STREET

(Continued from Page 1)

vibration, and this robot we have invented enables these vibrations to be measured and thus diagnosed, then collected, amplified, segregated, and finally neutralized.”

I Volunteer

The physicist asked for a volunteer, and I agreed to be tested.

Now, I know as much about my body as any young student of medicine should know. Frankly, I was skeptical whether this robot would tell me as much about my body as I know myself.

I was asked to place my finger for a few seconds in a tube-shaped aperture on the face of the robot. A current was switched on. I felt nothing, although a wave meter on the machine oscillated gently.

I released my finger and the physicist turned two dials and registered the number 15. Again the test was made, and

NEW TREATMENT FOR EYES



Muscles of the Eyes Are Rehabilitated Through Automatic Exercising

Denver, Colorado, June 19th

Dear Doctor Patterson:

I promised you I would let you know about George's eyes.

When we arrived here I had him examined by a specialist. He reported that the eyes were out of focus. They call it Astigmatism. They said he could try another pair of glasses, but we just rebelled. George has had so many glasses and they've done him little good.

So the doctor sent me to an office where another doctor has a Pathoclast and I've been having him treated on it. Twice I

have had the eye specialist re-examine him to see how he is getting along, and, believe it or not, the muscles in his eyes are now almost normal, he says.

The Pathoclast has an attachment which exercises his eye muscles. That is better than putting on new glasses. And the doctor said that 78% of eye troubles are mostly a matter of muscles that are either too weak or too strong—a lack of muscle balance. That's the cause of George's eyeballs being the wrong shape so they don't focus.

Sincerely, Mrs. H. Albright

A FUNNEL FOR RHEUMATISM

The word “rheumatism” covers a multitude of conditions. There are many varieties of rheumatism.

To make matters more complicated there are many causes for each variety.

“Successful treatment of rheumatism,” says Dr. P. L. Myers, Consultant, of Wichita Falls, Texas, “depends upon an accurate location of the original causes.

“Whether the patient visits the largest clinic or a general practitioner, the same general procedure is indicated. This procedure consists first of a general survey of a miscellaneous group of symptoms. Some are important guides to the diagnosis and correction; others are irrelevant or vaguely associated. Therefore, the whole mass of objective and subjective symptomatology must first be run down the funnel.

“The ultimate accuracy of the diagnosis may well depend on the deduction in this initial general investigation. I say this because it is a well known fact that no clinic bothers with the endless and expensive procedure of minutely investigating all the angles of each patient's health.

“While no one method or instrument need be considered the last word, I have found from experience that the Pathoclast is my best ‘funnel’ for that initial investigation. It leads me directly to the prime factors. Such a shortcut brings me quickly to the point where other laboratory proof can readily verify the Pathometric findings.

“This, in my opinion, is the most sane, economical and modern procedure in diagnosing chronic disorders where the original cause is often buried in a chapsuey of symptoms.”

again the same number was indicated.

Finding the Fault

The physicist looked at a chart “Your stamina is average,” he said. “Now we'll try your power of resisting disease.”

He turned the dials and obtained the number 14. That too was average.

“Now for your general health,” said the physicist.

The robot calculated that something was wrong.

First my heart, then my lungs, liver, pancreas, spleen and other ductless glands were tested. The trouble was not in these.

Then the fault was discovered near the appendix, and that to my own knowledge was true.

Tests were made of others present, and their faults were discovered with the same ease and precision.

It is believed that if any of the malignant diseases could be diagnosed early enough, the mortality for cancer and tuberculosis could be reduced by half.

NEW METHOD OF ANALYZING AND CORRECTING DISEASE

(Continued from page 1)

This explains the working of the Pathoclast. When it is found thousands of times that cases of abdominal inflammation give a reaction of 40-82, it is reasonably certain that 40-82 is the dial setting or "rate" for abdominal inflammation. And when, in a given case, where this condition may be suspected, there is no reaction at 40-82 it is quite sure that the condition is not present—that it is "off the air."

In the research laboratory over 200 disease and tissue rates, or dial settings, have already been determined. The detection of any one of these conditions in a human body is now as possible and almost as simple as tuning in your favorite radio program.

Pathometric Treatments

When this new method of diagnosing is understood, it is not surprising that there are also remarkable new methods of treatment. Eleven different forms of treatment can now be given. The Pathodyne is based upon the well-known homeopathic principle that "like cures like."

Using a combination of electrical and radio principles, it is now possible to automatically counterbalance the disease vibration and to step up the vitality. So carefully has the Pathoclast engineering been carried out that each diagnosis indicates its own treatment. There can be no mistake in treatment due to a wrong diagnosis.

Food Allergies

Discovery of the Pathometric system of predetermining food effects—without the patient's submitting to skin tests and other disagreeable experiences—has suddenly popularized this feature of the Pathoclast tremendously. Pathometrists can now run complete food charts in 15 to 25 minutes, showing the exact effect of each food on the patient's vitality.

GALL STONES DETECTED

Ottumwa, Ia.—Mrs. Cecil James of near here is resting easily after a simple accident caused a series of painful experiences.

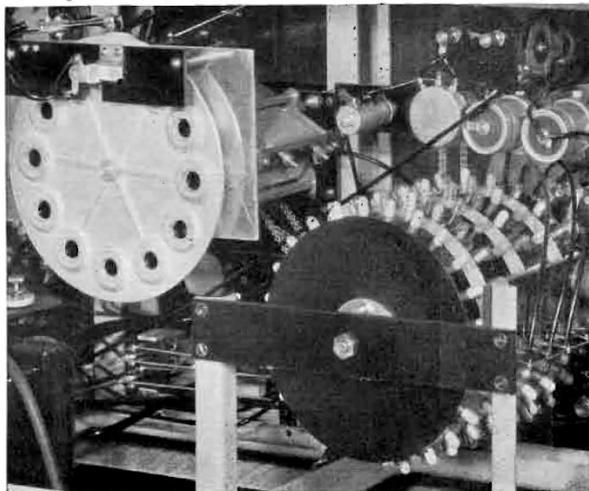
A week ago Mrs. James stumbled over the family cat. Later a severe pain occurred in her back between the spine and right shoulder. It grew steadily worse. A doctor was called, then a consultant. The condition could not be satisfactorily diagnosed. Therefore Mrs. James was rushed to a clinic where a Pathoclast was employed to discover the reason for the excruciating pain.

A strong gall stone "reading" was indicated, much to the disbelief of the attending doctors. Nevertheless a Pathoclast treatment for gall stones was administered, and within two hours the Pathoclast technician reported passage of nineteen gall stones to prove that his diagnosis was correct.

Obviously the fall over the cat had started one of these stones through the common bile duct, causing hepatic colic—a very painful condition. A treatment caused the stone to pass and others to follow.

We Are Tomorrow the Result of What We Eat Today

The foods we eat provide all the energy we need for growth and daily activity. It stands to reason therefore that proper selection of those foods is the real basis of health and vitality.



Partial view of the mechanism shows the "food drum" with its 150 food specimens bristling from its sides. Over 20 years have been spent in research to perfect this device.

"It must be concluded," says the author of "Nutrition and Specific Therapy", "that man today is what he is because of his habits through countless ages, and therefore he will be tomorrow and in the far future a result of what his habits are today. So it is of the greatest importance that he choose the foods that are best for his own particular body in the environment in which he lives."

Commenting on the importance of balanced diet, Dr. J. W. Wigelsworth, famed authority on diet and supplemental nutrition, says, "The natural perversity of the patient (in dietetic matters—taste is considered first, health last) can be overcome or eliminated by either imparting to him the knowledge as to what he can himself accomplish toward building his body nearer to perfection through *intelligent selection of table foods*, or by adopting practical methods of supplemental nutrition that fit in with his diet habits so as to accomplish balance of the mineral salt elements."

Oranges May Cause Itch

Dr. G. W. Will, President of Pathometric Laboratories, Inc., states that "The glandular function and physiology of your body is probably as different from that of everyone else as are your fingerprints. Oranges may be good for most people, but the Pathoclast has shown that 20% of us get no beneficial results from oranges or that we are actually harmed by them.

"For instance one very prominent Detroit doctor was himself the victim of a

very annoying itch, coming only occasionally, but so severe that it kept him from his practice. After every conceivable test over a number of years, the Pathoclast was brought into use. It indicated oranges as very bad for him. He thought this absurd but agreed to experiment with orange juice. After a few trials he was convinced beyond all doubt that orange juice in his case caused a rash and the bothersome itch.

"Often the most unexpected foods cause lowered vitality or some kind of organic disturbance."

Food Allergies Discovered

One of the chief functions of the Pathoclast is to select the proper foods for each individual. In 15 or 20 minutes the Pathoclast technician can make a test to show the effect of more than a hundred foods on your vitality. He will tell you if you should stop drinking orange juice, or if the raisins that you love so much are detrimental to your health.

Not only that, but he will also tell you what concentrated foods, in capsule form, could be added to your regular diet to provide the elements that are lacking in the food you eat.

In other words, the Pathoclast gives a comprehensive check-up on health, on the causes of ailments, and it will furnish an automatic and virtually fool-proof treatment for normalizing many stubborn disease energies.

"There is but One Life, One Substance and One Energy! . . . Life is energy acting through substance . . . activity is continuously going on, even in the hardest substance. Thus we see merely that which is a result of an invisible energy. In reasoning this out for ourselves we have only to ask—do we see electricity on the wire? Do we see the energy that heals our cut finger? Only the result of these activities are visible." *Quotation taken from the book, "Science and Philosophy of Radio Therapy" by Ruth B. Drown.*

Vibratory Diagnosis Approved by Eminent Doctors

A PATHOCLAST EXAMINATION OF YOURSELF MAY REVEAL

- 1—What specific disease is affecting you.
- 2—Where it is centered.
- 3—To what extent the condition has progressed.
- 4—What organs are affected by it.
- 5—Whether each endocrine gland is functioning normally.
- 6—What color the doctor should use in the event he wishes to employ photo-therapy in treatment.
- 7—Location of foci of infection, such as a bad tooth, tonsil, or appendix.
- 8—Location and tracing of irritated or inflamed nerves.
- 9—The effect of 116 common table foods on your own vitality—showing whether each food raises or lowers vitality, and to what extent.

TREAT FAULTY GLAND WITH RADIO WAVES

A novel radio-wave treatment for sickness of endocrine glands has been developed in pre-Hitler Vienna, according to an official organ of the American Medical Association.

The principle of the treatment is identical with that of the Pathoclast. By radio wave stimulation the patient's glands either are put to sleep or awakened. Faulty working of the glands means both over and under activity, and the Vienna method attempts to rectify both conditions, according to the report.

Dr. J. Samuels was the Vienna physician who carried out most of the clinical tests by this method and reported them to medical scientific circles.

Among the diseases which were benefited by this treatment Dr. Samuels listed:

"Migraine, severe headaches of several types; bronchial asthma, diabetes, and stomach and duodenal ulcers."

After he had sent radio waves through the body of diabetic patients the sugar in the blood was found to have decreased. Radio waves apparently acted like insulin.

AQUA POTENTIA TREATMENT OF PLANTS

County Fair Demonstration is Marvel
In a demonstration at the Palmyra County Fair in New York, beans were made to grow eleven inches in 72 hours.

The method used was the same used in treatment of human ailments with the Pathoclast. Plants are frequently used in the research work to prove the efficiency of certain forms of Pathometric treatments.

In routine experiments it is repeatedly shown that most plants under such treatment will mature in approximately 75% of the usual time. At the same time, plants will develop 22% to 28% more leaf surface, stems and flowers. Pathoclast treatment units are now being used experimentally to eradicate certain fungus growths in orchards of Michigan and Canada.

HAILED AS "THE NEW AGE THERAPY"

Approval of vibratory methods of diagnosis by eminent European physicians and scientists was voiced in a recent issue of a Health magazine.

"During the last five years," says a writer, Dr. Dorothea Frood, "increasing interest has been aroused by the discovery that it is possible to diagnose any and every 'disease' condition by a radio apparatus which registers the least variation in the vibratory rate of the rays given off by the human body."

Pointing out that research on this subject has been conducted for many years, Dr. Frood says, "In October 1937, Dr. A. Selige was asked to read a paper on radio-energy diagnosis and treatment. His paper was printed in the Journal of the American Association for Medico-Physical Research. He points out that for many years various simple energy detector instruments have been used to diagnose human radiations.

"In London, an eminent M.D., Dr. Dudley Wright, has for many years used this method not only for diagnosis but for selecting the most suitable remedies and for detecting the precise location of any disease condition and the degree from incipency upwards."

Speaking from her own experience, Dr. Frood states, "Personally, I found it a most astonishing demonstration of natural laws, whose existence is no longer doubted by the scientific investigator, but the rapidity of the diagnosis, its range and accuracy fairly took one's breath away."

"Professor Lakhovsky of the Pasteur Institute of Paris has contributed several books of importance on the subject, and has had similar success in diagnosing and curing many cases of all manner of diseases, including cancer. . . . It is a notable fact that in France and Germany, thousands of scientists, doctors, and laymen have for many years been investigating 'radionics', and many doctors have been using it with startling results in diagnosis."

"Few people realize," says Dr. Frood, "that disease conditions in any organ of the body change the vibratory rate of that organ's radiation from normal to abnormal. . . . It is also important to realize that if we eat foods that are deficient in elements essential to health, or wrong combinations of foods, or if the daily diet is deficient in raw foods, then there will be equally serious changes in the human radiations accompanied by acute or chronic nervous, glandular, and chemical derangements."

"Thus, the new science proves that it is vitally necessary to study and adopt scientific feeding if we want to build up national health and eventually eradicate disease."

Concluding the article, the writer says, "The scope is so vast that imagination fails to see to what conquests it may lead. It is truly designated the "New Age Therapy", for it is bound to supersede present methods at no distant date."

Supplementing Dr. Frood's statements, it is interesting to point out that Marconi, inventor of wireless communication, spent the last several years of his life studying the value of radio energy in the treatment of disease. "Radio biology could not fail to throw new light on the mystery of life," he said. "We are just entering what may be called the field of vibrations, a field in which we may find more wonders than the mind can now conceive. . . . Scientists are now beginning to realize that the really great forces with which we may deal are locked up in vibrations so gentle that we cannot feel them, though we may feel the summer zephyr as it blows upon our cheeks. Nobody has enough imagination even to suggest all that we may find in this great field."

UNIVERSITY INVESTIGATES PATHOCLAST TREATMENTS

A series of very interesting and impartial experiments was recently disclosed. They were being conducted under the surveillance of the Department of Physiology of a leading university.

For six weeks, disinterested doctors and professors checked blood pressures, determined heart rates, ran urinalyses, recorded subjective and objective symptoms on 40 to 50 patients daily. Each patient was checked first, then treated with some make and type of instrument, after which a re-check was made to determine immediately the degree of change.

Length of Treatment Important

A great deal of very interesting information was compiled. One of the very surprising disclosures indicated that even the manufacturers of some makes of equipment were not recommending the proper application of their own devices. For instance, the length of treatment was found to be a very important consideration. Too long a treatment often turned a very bene-

ficial treatment into a definitely harmful one. Nor did the same patients always respond in the same way to the same treatment. In fact, there was a great difference in the daily charts, even though the treatments were purposely given with every possible similarity.

In the use of many instruments, there was a reverse effect on certain patients at irregular intervals.

Automatic Pathoclast Wins

The consistently high results obtained in Pathoclast treatments led to considerable investigation of the automatic treatment feature. Although we are not at liberty to give here the entire results of this experimentation, we are informed that the Pathoclast Treatment Unit took first place in consistent results.

That the Pathoclast IX-T should be given first honors in such competitive treating tests is very significant; yet it is expected, for the simple reason that the Pathoclast has the only fully automatic treating feature known.

RANDOM NOTES, Tech data from conversations with T.G. Hieronymus, sept. 1, 1972

Complimentary
Copy

Only ONE condenser bank is used for DIAGNOSIS, all other banks are out of circuit and shorted to gnd.

Up to THREE banks are SOMETIMES used for treatment, but not all three are necessary in general work. Example of 3-bank would be polio, one bank is set for common cold rate, one for Meningococcus, and third for an unbalanced chemical condition.

Example of use of the CONVENIENCE of three-bank box would be to set up "general vitality rate" (9-49) on top bank, then switch in 2 and 3 to check various drugs & reagents to test their effect (interaction) with the subject's condition, to determine if this increases or decreases vitality, and to what degree.

T.G.H. once built an instrument with seven banks, and found it cumbersome. Three banks are optimum.

The specimen well should be positioned in plain sight and tipped, or nearly horizontal. The operator should be able to see inside well at ALL times, because on many occasions in past, real trouble was encountered in cases where hasty (sloppy) operator left traces of previous samples or contamination or dust in well, and proceeded to do new subject over the old contamination.

Magnetic field alignment (earth's) with well is NOT important. Dr. Abrams insisted on this with the Oscilloclast only because there was no amplification in his box, and operators needed every bit of energy available just to make anything at all fly. Hieronymus doesn't require this boost.

Plain enameled wire around well for pick-up coil is O.K. Outside of well and wire must be painted with black lacquer, because any light will short the Eioptic energy. (I wrapped an additional layer of film raw-stock black-bag plastic material around painted well assembly, and this seemed to improve things considerably, since the styrene coil dope I used appears to be transparent to Eioptic while visually black to visible light) I used General Cement Corona Dope, GC No. 47-2 initially.

T.G.H. started actively building instruments in 1930 's He may have made about 200 "small" devices (2-bank) and about 12 "console" instruments (about \$ 2,000.00) with 6" X 10" reaction plates.

His TRF coils were 80 turn primary, and 80 T secondary of Leitz wire. He acquired a lot of W.W.1 surplus coils, about 1" dia. forms, and used these up.

INSTRUMENT POSITIVELY WONT WORK WITH R.C. COUPLING and will not work with R F Choke plus capacitance coupling, and WILL NOT BROADCAST. Coupling MUST be air-core coils between stages.

TGH indicates that diameter of coupling coils is NOT critical, however they must be in shield cans.

An experimental coil designed at one stage of development by TGH consisted of single-silk enamel wire, no. 26, two strands wound together, side by side, (Bifilar) on a 1/4" dia solid bakelite dowel rod, 20 turns for each coil, one for plate ckt. and one for grid (1:1 turns ratio)

Eioptic energy travels on light and magnetic lines and some conductors, and is shorted by all of these. "Shorts" can occur because some materials are conductors and some insulators (like black bakelite is best insulator found to date) and this does not follow conventions of electricity OR optics.

TGH uses RAW A.C. on plates, NOT filtered or rectified D.C. This works better, since the pulsed carrier carries the energy better than the "steady state" amplification (Superregeneration? Slope amplification? Frequency translation for better physiological "feedback"?)

Anomalie . . . With power disconnected, you can get just as effective (good) DIAGNOSIS results on stick-plate. But power must be going to amplifier for best (fastest?) (any?) results with BROADCAST mode operation

SHAPE (form) (spatial relationships) and operator MENTAL INTENT are essential to successful operation. If INTENT is violated, instrument won't function, like deliberately upsetting "relationships" of components and then trying to work over this alteration.

An ODD number of stages of amplification (tubes) is essential for treatment/diagnosis. "When we take energy out of that disease (rate) (specimen) (condition) in the front-end of the system (entity, or that which we wish to destroy) and put it through the instrument and come out 180° out of phase and then broadcast that energy, it NEUTRALIZES that condition . . ." (T.G.H.) Each stage inverts phase 180°, two stages would give it's output back in phase. This would poison operator during tuning operation. Operator "feels" the energy condition in fingertips; when hand is removed, this energy "couples" to other carriers (magnetic fields, etc.) and "broadcasts" out to subject. Physical orientation of plate is not apparently significant.

RANDOM TECH. NOTES, T.G. Hieronymus, continued . . .

A small coil (reaction/broadcast/output end) gives little effect in broadcasting, but as diameter gets up around 3-1/2 inches, you get a marked increase in output. 4" diameter gives a very marked increase in power output. 5" works beautifully.

REACTION PLATE must be washed occasionally in soap and water. T.G.H. discovered accidentally that an accidental touching of plate with Johnson's floor wax absolutely poisoned it. After washing, it "came alive" again. Plate on \$ 2,000.00 instrument was 6" X 10"

Operator will experience severe to mild headaches if reaction coil is connected directly to output stage or to tuning circuit. A .002 silver-mica capacitor is used to isolate this ckt. and headaches disappear..

T.G.H. experimented extensively with CHEMICAL AMPLIFIERS, consisting of vials of substances (in liquid) connected in series between tuning bank and reaction plate. In late 1920's and early 1930's he used capsicum (red pepper), arsenic, etc, with two electrodes immersed in substance. Operators reacted violently. Insertion of an .001 mfd cap in series would eliminate operator discomfort, but a TIME LAG was observed. So value was increased to .002 mfd mica, and system functioned well.

I asked about feasibility of using TWO wells, like De la Warr, etc., one for specimen, one for reagents, etc., and T.G.H. didn't like this, having tried and discarded this early in research. His system utilizes a 2" diameter pyrex glass beaker that is 3" deep. His reagents are in 15 mm X 75 mm test tubes, also Pyrex, and specimen (blood spot, photograph) and chemical are placed in specimen well side by side. Apparently the orientation of test tube and specimen are significant, since reactions change if left is substituted for "right" or one is above or below the other.

Specimen well must be Pyrex or Quartz, since soft (ordinary) glass contains lead, and this trace will poison subject on broadcasting. He indicated that my Quartz wells would work O.K.

Only working substance readily available, and preferred solution, is to use 1/8" thick black plexiglas plate for Reaction" element. Bakelite is an INSULATOR to eloptic radiation, and Plexiglas is a CONDUCTOR or is TRANSPARENT to this energy, which goes through the plexiglas and effects the plexiglas. TGH once sawed a plexiglas (black) form in shape of prism and polished it and the black (visually opaque) prism transmitted (and refracted) the energy just the same as transparent glass had done.

Reaction coil broadcasts out whatever you run through the amplifier; your fingers intercept and FEEL the stick when diagnosing/tuning, otherwise this energy couples out into space.

"INTENSITY" dial is a variable resistor. The amount of resistance (ohms) inserted in series with the tuning bank and ground (which blocks out energy) is an index of the intensity present.

In 1930's T.G.H.'s convention was to use a 15 k ohm non-linear potentiometer, and center-scale was 5 k ohms, and the remaining 135° of rotation was 10 k measured resistance, so his dial only worked from zero to about an indication of "80", since "100" was at 360°

At that time, a healthy vitality optimum was 19 or 20 on a maximum scale of 40. This indicated for a healthy, vital infant or an athlete in prime condition. A "disease" condition read about 6 or 7, and 4 was about terminal for energy level. . Therefore 5 k ohms in 1930's represented 30 points, and 20 points was about as high as they observed then.

However, over the years, (particularly in the past ten years) "40" was not enough, so a mechanical stop was removed from potentiometer shaft, now "80" is full-scale for 15 k ohms. .

T.G.H. then substituted higher value potentiometers, trying 20 k and 25 k values, but noticed little difference. Apparently the eloptic energy was being shunted (shorted) by the material in the wafer on which resistance element was deposited, or in the spacer/terminal insulation, and function became non-linear.

This progressive increase confused the previous calibrations. Today, normal body tissue is no longer "15" but nearer "100" referred to old scale values. So operator psychically (like with pendulum) mentally adds a decade, and intent is held by asking "is it here?", and dial position will tell you if you ask "100's?" "200's?" "300's?" etc.

T.G.H. feels that vast background increase of artificial atomic energy has disrupted previous levels of "carriers" of eloptic energy and necessitated re-calibration of these systems. He has repeatedly observed that every time a bomb is tested, and atomic energy is released, even on other side of planet (Russia), a "settling" period of 8 to 10 hours is necessary before significant readings/treatments can be done again. "Everything goes crazy on the instruments" "We can't get reads" etc.

RANDOM TECH. NOTES from Sept. 1 conversation with T.G. Hieronymus (continued)

Hieronymus told us that he and his patent atty. spent considerable conference time working over the wording of the patent so that nobody could read it and glean enough specific information to build a workable device. They were fully aware of the dangers of this type of energy if misused.

If operator is interested in chemical ISOTOPES, the prism system disclosed is the preferred modality. But in working with life forces and psychic energies, the dual variable condenser system is by all considerations the only choice. While, for example, liver tissue will contain typically 40 to 50 chemical constituents, the COMPOSIT function is what must be dealt with in treatment.

Original instruments used Johnson transmitting condensers, designed for 5 kv. plate supply, with ceramic insulation, and with wide spacing of plates . . ."so dust can drop right on through . . ." 17 or 19 plates actual. But capacity and size are not important. TGH has tried everything from 2 plates up to a broadcast band 360 mmf cap. and reports no difference in performance or readings. Only stipulation is that condensers must be cut from 1/2 segments of circle, or straight-line-capacity function with shaft rotation, rather than the straight-line-frequency with shaft position found in a "broadcast" tuning condenser. He even once tried sawing two dimes in half-segments, and used these successfully. All work O.K.

T.G.H. and his wife Louise are both ministers in UCM (Universal Church of the Masters) for protection. Louise is now 70 years of age, and recently (two years) underwent a serious illness. She has been the most successful operator of the device, but during illness, lost her "feel" or "touch" and could not sense the emanations (?) of the reaction plate essential for accurate tuning.

Instrument should be physically built so you are facing a sloping panel. Operator should face dial scales in order to comfortably see 1/4 scale graduations. "Even 1/4 scale rates are beginning to crop up ..."

After last of October, T.G.H. will move to his winter home: 8405 N.W. 59th Place
Ft. Lauderdale, Fla. 33313
phone (305) 721 2321

"General Vitality" rate, for overall treatment of non-specific conditions, is 9 on left dial, 49 on right.

TGH offered to check out any instrument(s) I might construct, and let Louise "feel" them to verify proper construction and operation. He offered to loan me one of his standard (small) 2-bank devices.

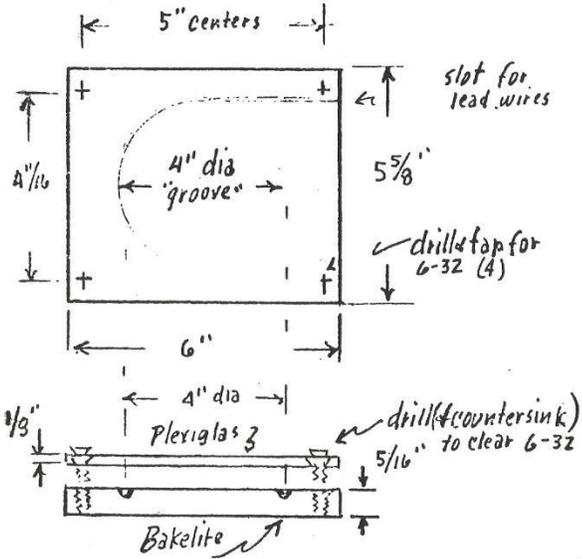
8 Sept. 1972

Preferred "REACTION/BROADCAST" Plate as perfected by I.G. Hieronymus.

"Base" MUST be black Bakelite; top "contact" or "stick" plate MUST be 1/8" thick black Plexiglas.

Coil diameter must not be less than 3-1/2" minimum; 4" is preferred. Over 4" adds little to "output".

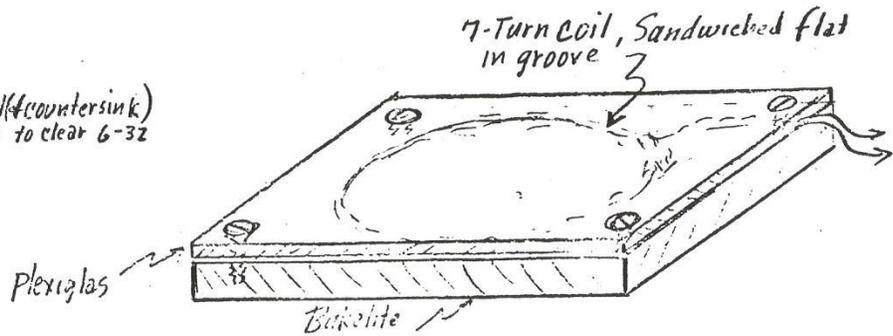
Coil consists of 7 turns no. 26 silk-enamel wound around a 4" diameter form, tied with thread into round bundle, and dropped into slot cut into bakelite base. "Polarity" has not been tested for significance.



4" Diameter groove is cut into Bakelite base-plate with fly-cutter in drill press or cut with lathe. This groove, about 3/32" deep, accepts the 7-turn coil. The black plexiglas face plate is then bolted on top and provides the "stick plate" surface for finding "tuning" resonances, with or without the amplifier.

Never allow any wax (Johnson's Floor Wax, etc.) to come in contact with this assembly, as it will be instantly "poisoned".

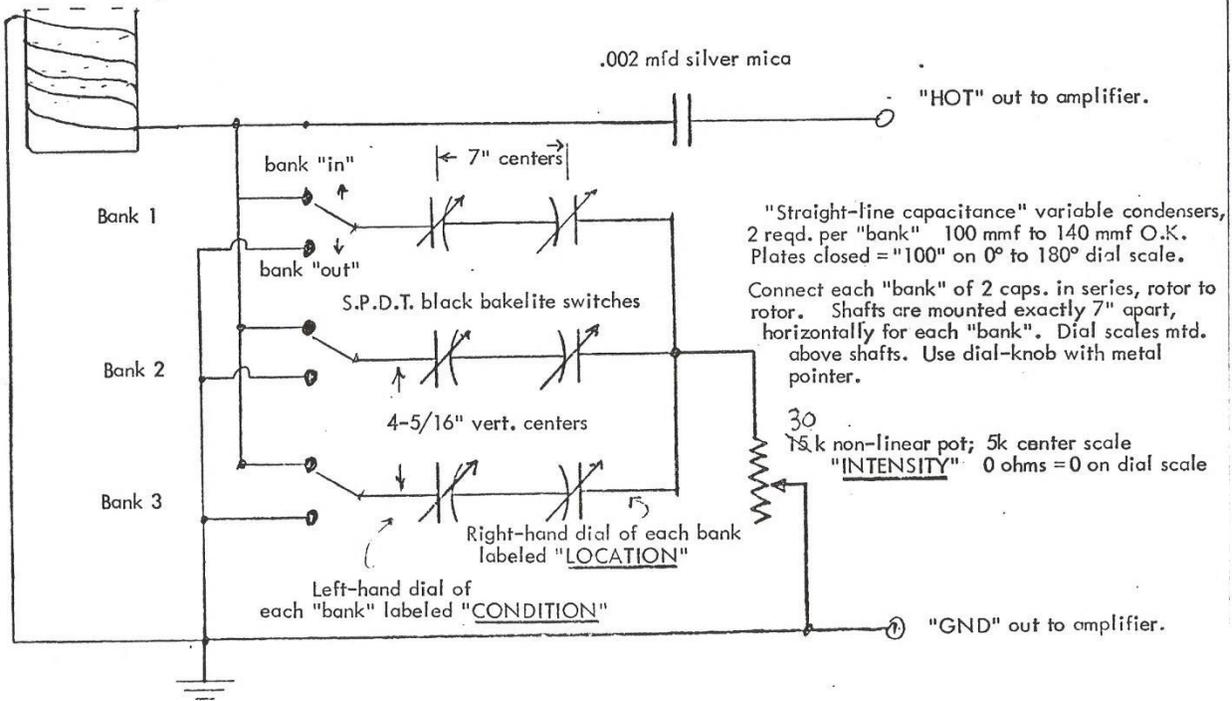
Clean surface occasionally with soap and water.



73. Hieronymus, Sept. 1972

Latest and "preferred" version of TUNING BANK for Diagnostic/ Broadcast Treatment system.

"Specimen Well" 2" dia X 3" deep Pyrex (Hieronymus) preferred, PYREX glass; never soft "lead" glass. *Quartz is better.*
(2-1/2" dia X 2" deep Quartz is O.K.) Coil is 7 turns # 24 silk enamel. Top side (mouth) is "ground" and low side is "hot".
Outside of specimen well and coil are painted with black enamel to light-proof. Leave no pin-holes.



Entire "TUNING BANK" assembly MUST be constructed/mounted on old-fashioned BLACK Bakelite; not "Formica" or Phenolic or paper/linen /canvas base "phenolic" and never on or in contact with brown or yellow (etc) panel materials. Entire bottom workings of tuning bank must then be enclosed in non-metallic, light-tight (light leaks will "short" the energy) wooden or bakelite enclosure, preferably painted flat dead black inside. Bank(s) not in use are disconnected from "hot" lead and shorted to "ground" with S.P.D.T. toggle switch with black insulation. Hieronymus "tilts" specimen well nearly horizontal so operator can review contents.

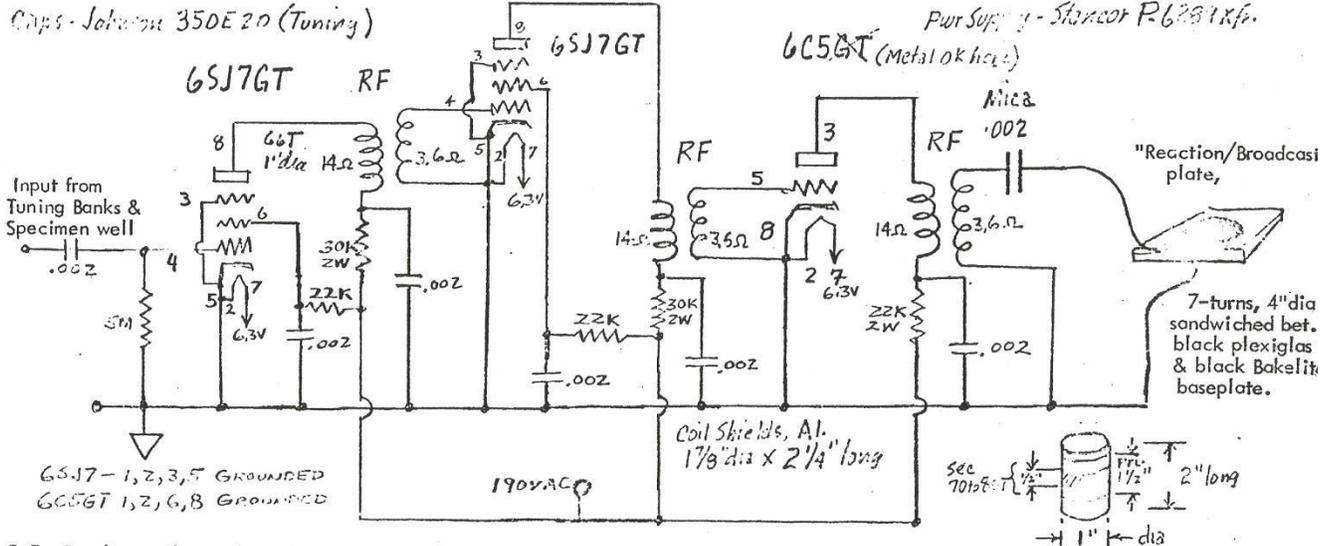
Prefered amplifier, T.G. Hieronymus

Tubes MUST be GLASS types only, or "GT" suffix. METAL tubes will NOT function.
 Adjust resistor/dividers to supply about + 125 volts maximum to screen grid.
 Adjust cathode bias resistors to run tubes at about (-) 2.5 to 3 v. grid bias.
 Plate ckt. is driven with 250 v (rms?) RAW A.C. Do not rectify/filter.

Pwr. supply must deliver 3 X 0.3 amps or 0.9 amps, 6.3 v ac for filaments, and 250 v ac.

Coils are INDIVIDUALLY shielded in aluminum shield-cans, painted flat-black inside. Tubes can be shielded in standard can-type shields.
 Preferably, entire amplifier and all connections should be shielded from ambient illumination, room lights, etc.

Caps - Johnson 35DE 20 (Tuning)

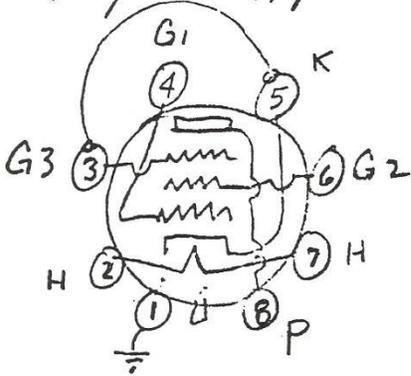


R.F. Coupling coils may be Miller type "20-RF"; air-core 540-1750 kc "TRF" coupling coils. IDEALLY, they may be wound on 1" dia. black bakelite forms with two (side-by-side) separate strands of 5 X # 44 "Leitz" wire, 40 turns close-wound per winding (80 T counting both primary plus secondary) "Bifilar". Observe polarity consistently (start and finish and direction of winding) between each stage so as to maintain 180° phase reversal of signals between input and output of amplifier.

Hieronymus states strongly that RC coupling or RFC- C coupling will NOT work, nor will ferrite core coils.

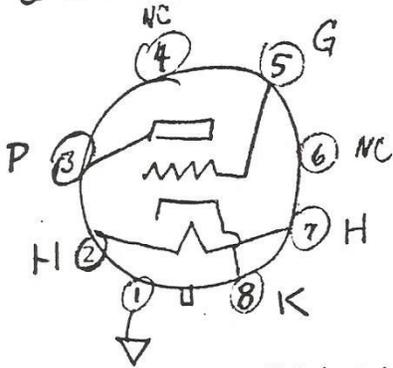
Black rubber lamp-cord (30% carbon-filled rubber) WILL work up to 4' for input & output leads; Co-ax and most translucent 300 ohm twin-lead will work marginally or not at all. "Eloptic" energy is shorted or badly attenuated by some connecting cables that are O.K. for electrical energy or R.F. Dark brown BELDEN 300 ohm twin-lead works for about 1-1/2 feet maximum path. Never use insulation that is optically transparent or translucent in the visible or IR spectrum. Empirical tests are essential.

6SJ7GT
sharp cut-off pentode



6.3V, ϕ .3A
300V max plate (250V Typ.)
Screen 125V max (100V Typical)
Grid #1 ϕ volts max (-)3V Typ
2.5 watts max. dissipation

6C5GT Medium MV Triode

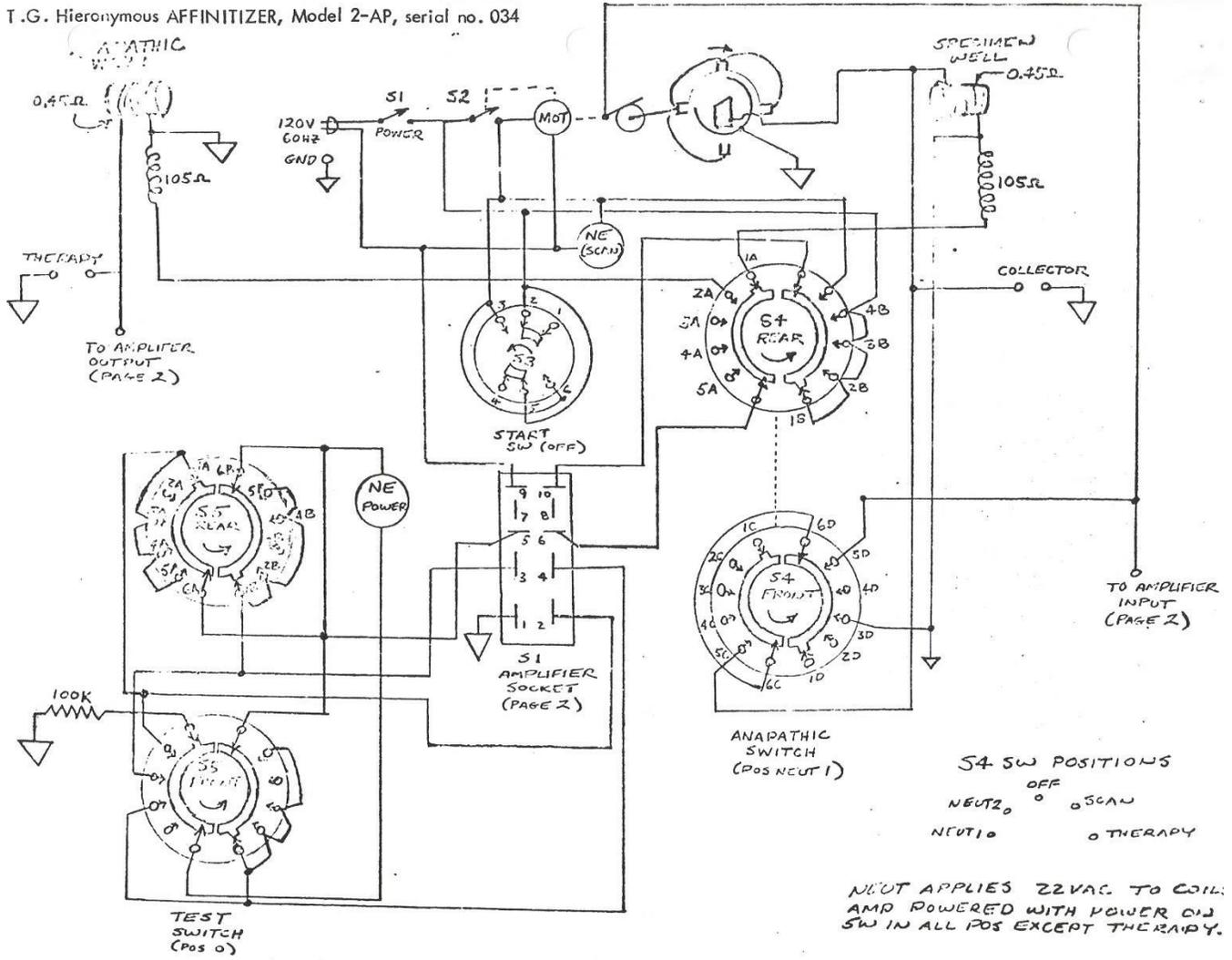


6.3V @ ϕ .3 amp
plate 300V max.
grid ϕ V min
output 2.5 watts Max

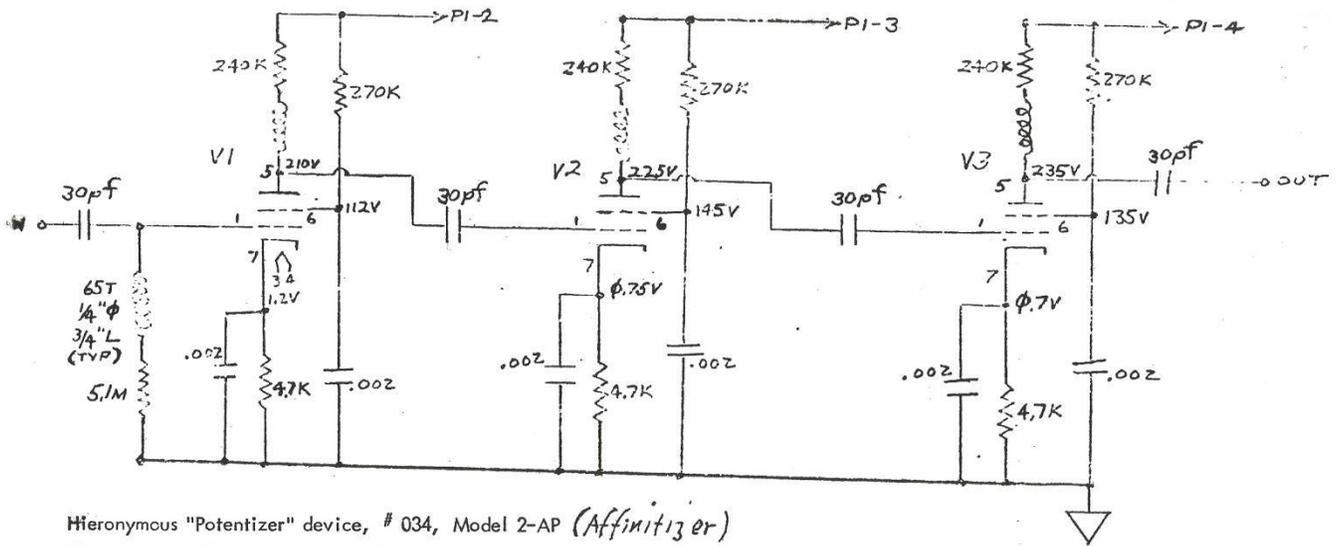
"Night School" rate may be near 1 - 46 !!!!!

Be exceedingly careful with this.

Discovered accidentally (?) early AM 9 Sept. 1972, dream modification.



Oct. 26, 1972

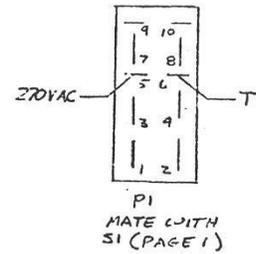


Hieronymus "Potentizer" device, # 034, Model 2-AP (*Affinitizer*)

Grid choke-coils mounted vertically; Plate-chokes mtd. Horiz.
Chokes wound on 1/4" dia solid bakelite dowels; painted black over turns

Each stage is shielded both top of chassis (tubes are compartmented) and below chassis with tin "gizmo" maizes.

Triad transformer type 6594; V1, V2, V3 are miniature type 9001



Sources:

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Bill Jensen, *Hieronymus Machine Manual (Version 1.8) Operating Instructions and Course.*

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Peter D. Hiscocks, "Oscilloscope Development, 1943–57," Ryerson University, 15 March 2011.

"Patho-neurometer of Wigelsworth," *American Artifacts.*

"Radionics," *InFolio,* REX Research.

Random Notes: Tech Data from Conversations with T. G. Hieronymus, 1 September 1972.

Roster of the Rainbow Division (Forty-Second), Major General W. A. Mann Commanding, (1917), 22.

T. G. Hieronymus, *Eloptic Energy: Another Form of Energy is Discovered That Has Infinite Possibilities* (1956).

T. G. Hieronymus, *History of Radionics. Parts 1 and 2.* Audiotape presentation at the USPA Conference, University of Houston (1979).

Thomas G. Hieronymus, *Detection of Emanations from Materials and Measurement of the Volumes Thereof,* U.S. Patent No. 2,482,773A, 27 September 1949.

Lella Deraney, "The Hieronymus Files."

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Tom Paladino, "The Scalar Energy Research and Development of T. Galen Hieronymus," 14 August 2013.