



EARTH ENERGY

The Entrancing Force
With A Thousand Names

By

John Bigelow

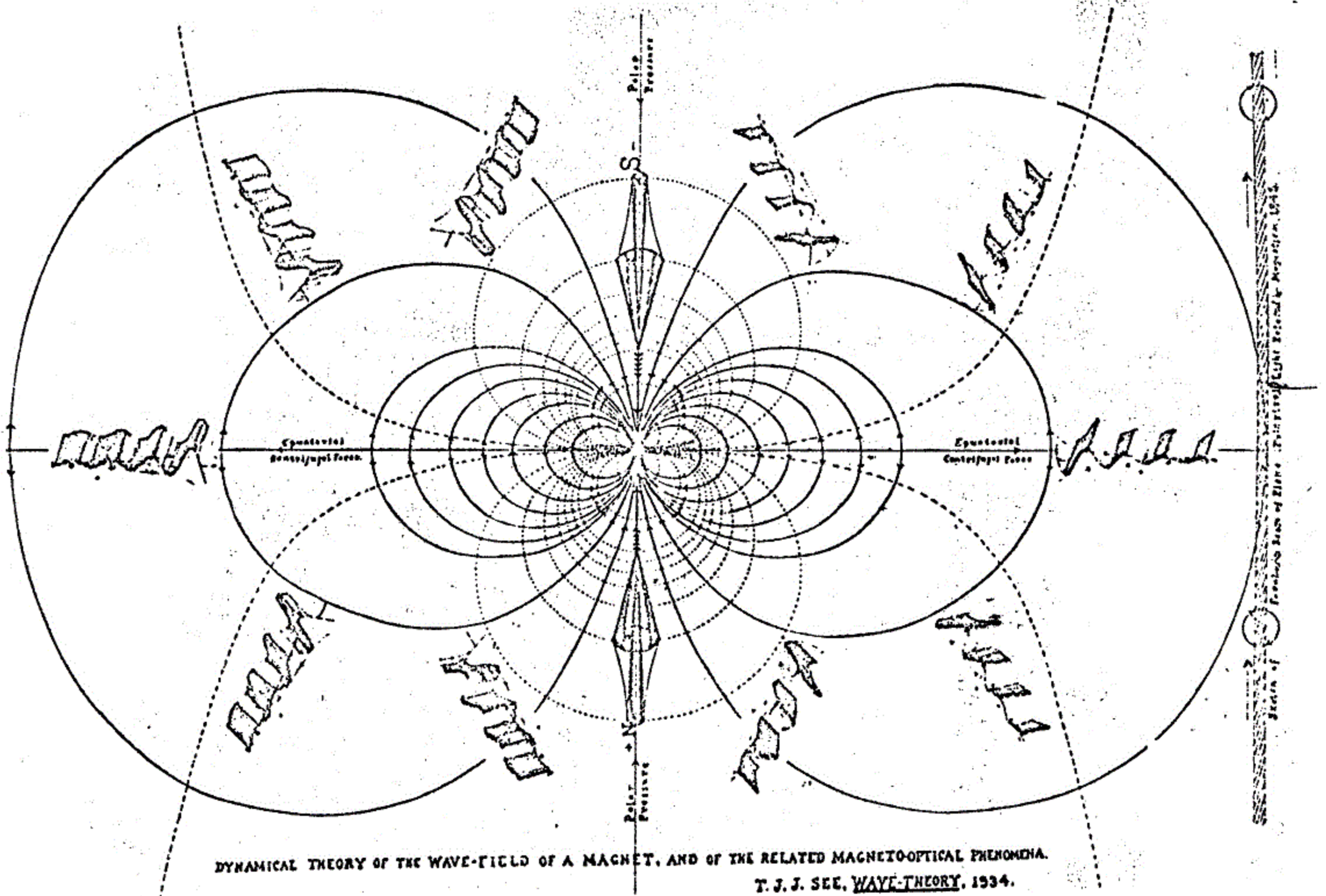
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By

John Bigelow

Author of FROGSTEIN'S SAUCER TECHNOLOGY



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&

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PSEUDO SOPHISTICATION DEPARTMENT

Just because I've been able to come across this information on flying saucers and free energy, and the psychic, I assume that the same information is available to you.

That assumption seems to go into a lot of books for the "general public," or at least there is a price for abbreviation and turning things into non-technical language. Something gets lost in the translation. Apparently the gaps can be filled in if you've already spent four years and tuition on an engineering degree. I hope this isn't necessary here.

In addition, the vast majority don't know what pseudo sophistication is, or Kitsch, or a lot of other things. Let me say that in each specialty of the human race which tends to get walled off from other fields, and from the general public; there is a whole field of humor. The chiropractors for example have a whole set of "in" jokes the rest of us can't make head nor tail of. However, if you adopt the proper attitude, you can still laugh in the right places. Even to laugh in the wrong place carries no embarrassment if you can trick the sophisticates into believing you know more than they do.

The trick is, that it is not all necessarily a joke carried out by the higher intelligences. The common man has a sense of humor too, which the hierarchy has had to smile and accept in order to override their despair. For example, an inventor or a prophet can be placed on the face of the Earth, and spend all his time explaining the Truth; such as: you should not eat meat nor drink nor smoke. In the end, he dies after a lifetime of hope and futility. The natives give him a burial with colorful ceremony, during which they eat meat and drink and smoke just as usual.

As much as possible, I've tried to wall off the humor department to the Frogstein section. I'm very serious about it, but since little of it can be found generally available from serious folks, it's very personal humor. Better that the material outside that chapter be pretty much straightforward, and with references so you can derive your own version of some sort of Frogsteinism with a minimum of my errors.

DIRECTION OF THE ART

A painting which depicts "heavy" scenes about the operation of the Universe is not likely to be acceptable as a pleasant rural scene in warm colors. Of course, there are periodic fashions where a minority spend big bucks on the "cosmic," but in general it is as stated.

Consequently, when I cranked out some of the coincidences of the Universe which require me to think, I was surprised there were some people who wanted them. From this, I can allow that it is worthwhile to put time into things beyond the easel. Such things can really eat up a lot of time, and coupled with a natural desire to loaf as well as other personal limitations: I was in despair over ever finding the Cosmic Engine which was required to power my Universe of inert coincidences.

Therefore, it is by accident that the engine emerges here. The problem remains: how to do a picture of it?

LAITHWAITE

1973 - Imperial College of Science and Technology, England.

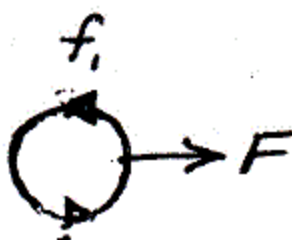
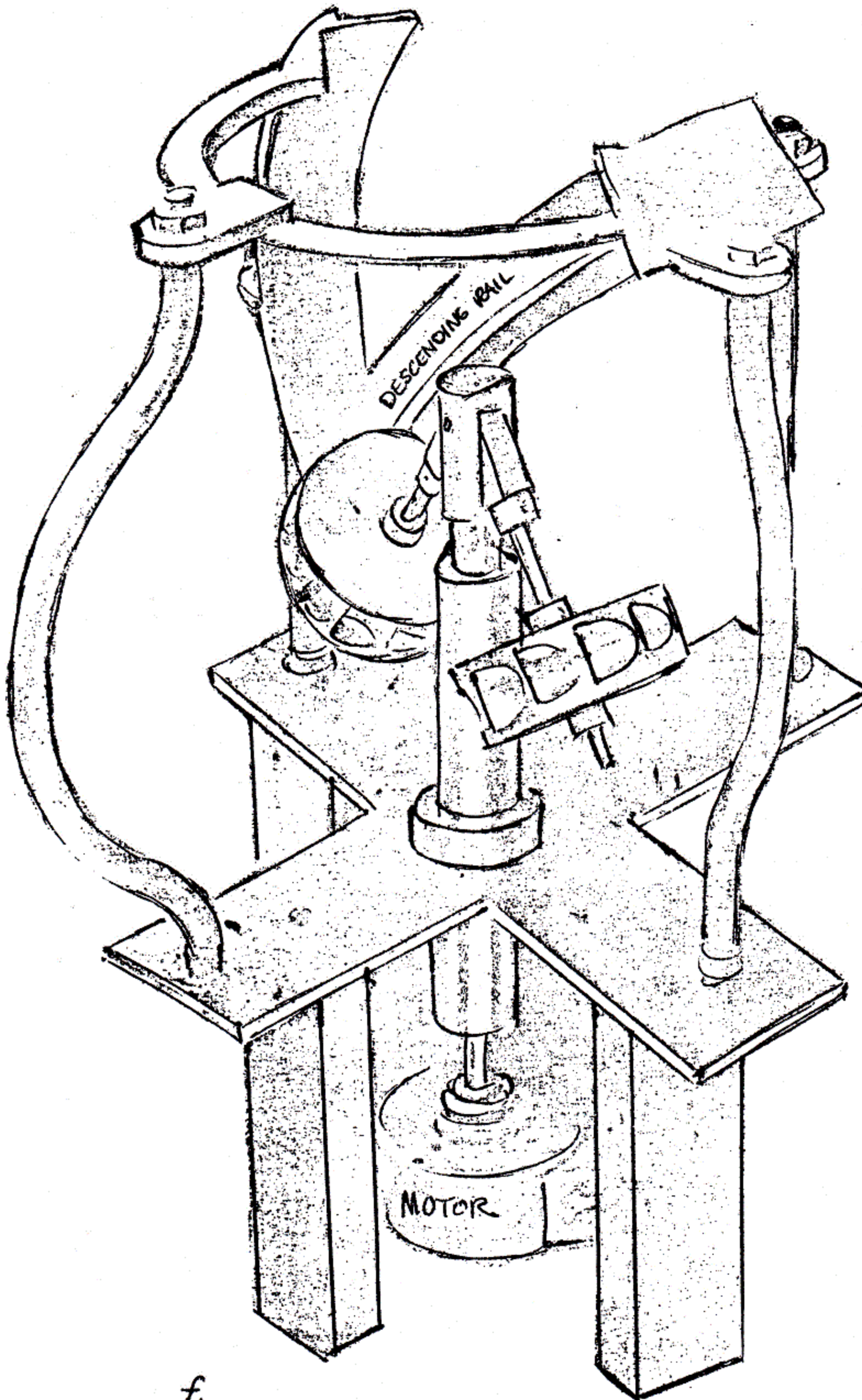
$$F = ma - \frac{MA}{dt} \frac{d\tau}{dx}$$

Force expended in a long time period is the relaxation. The same force in the opposite direction is the tension. The difference between them is the apparent force, and the physical body moves in the direction in which the force was expended in the least time.

The two spinning gyros in this device would be spread out from each other, except for the descending rail. The rail is the instant in which the gyro is thrown downward, thus lifting the frame of the device. The relaxation time, or recovery, is when the gyros naturally precess upward.

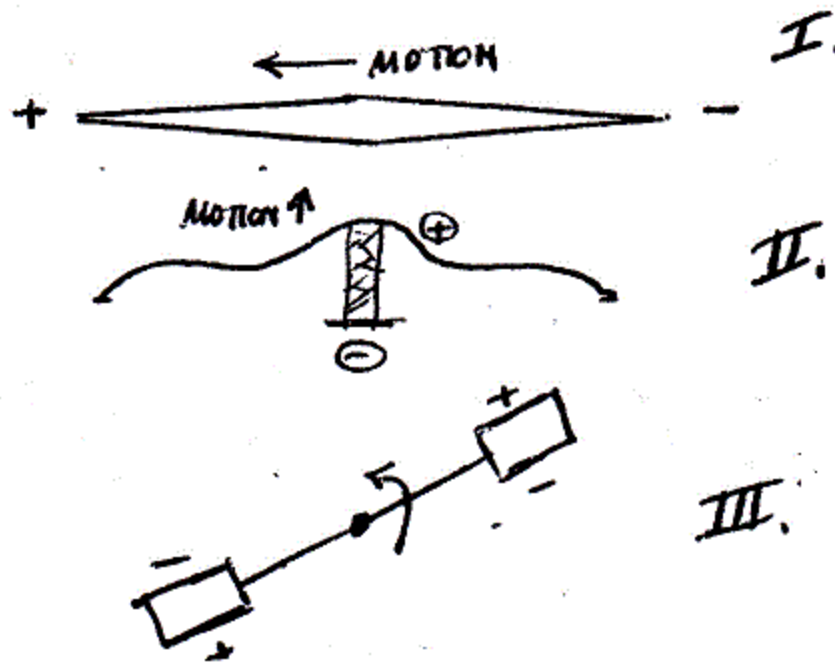
The device demonstrated by Laithwaite weighed 20 lbs. When in operation it weighed fifteen.

The $F=ma-MA$ concept can be applied to philosophical speculations about the universe. While only the resultant difference between the two opposing forces is open to



our senses; there are actually two forces operating, and we can't prove their existence.

Some of it is visible in the Laithwaite device's operation; but then there are the forces holding the matter together, and holding it to earth.



A general article is available in the Psychic Observer, Vol. 36, #4, Sept. 1975.

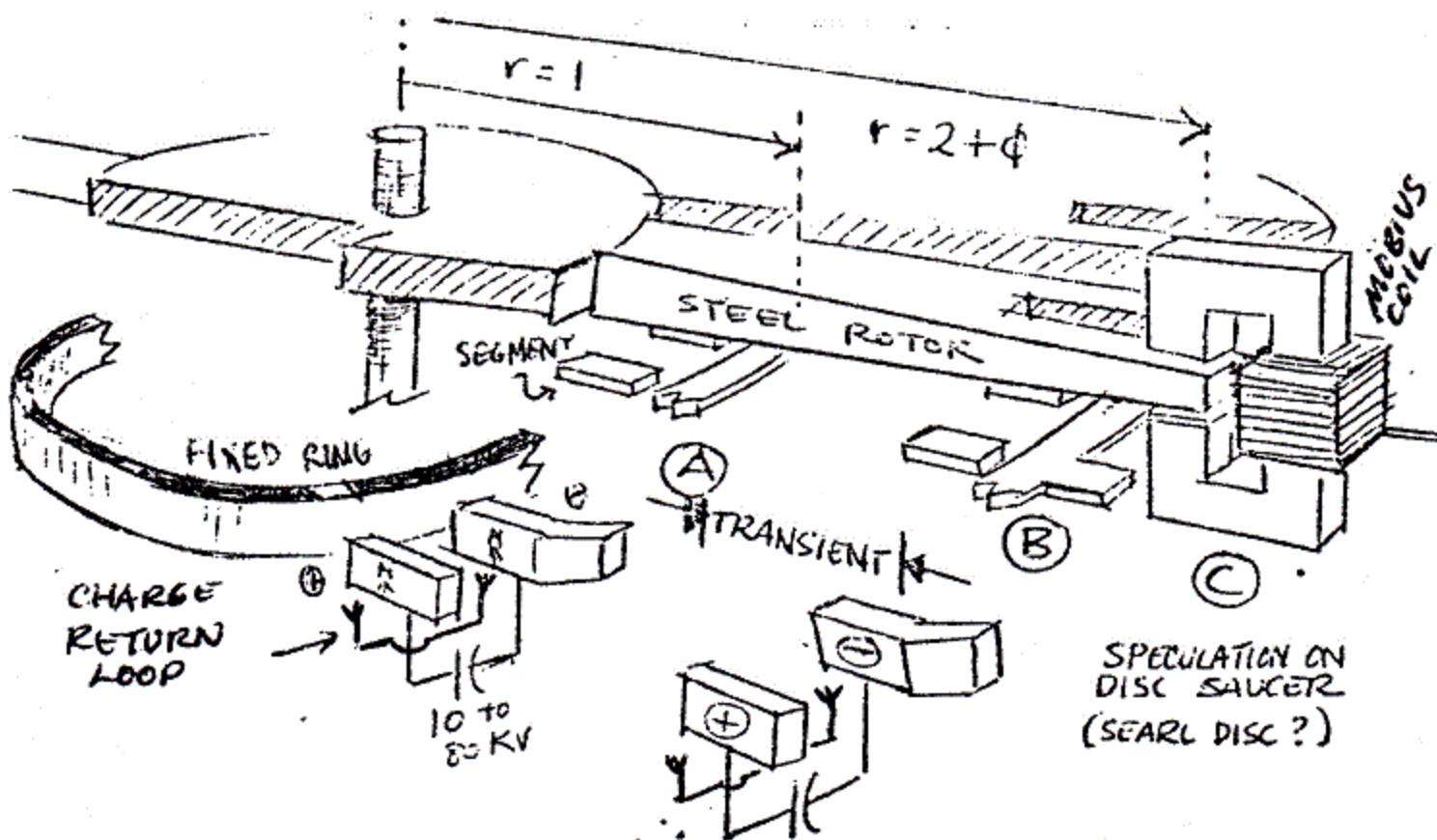
Drawing #1 is described in Piece for a Jig-Saw 1966, Leonard G. Cramp. Available from Lionel Beer in England. This is a disc with a positive leading edge, a neutral center, and a negative trailing edge. Also mentioned is the "flame jet generator," which is classified.

From the paper presented by Moray B. King at the 1976 Radionics Conference, in Washington, D.C., there is the drawing #II. Thrust is in the positive direction. With such considerations, there is the May 30, 1967 patent #3,322,374 "Magneto-hydrodynamic Propulsion Apparatus" of J. F. King, Jr. This resembles the Venusian Scout Ships reported by Adamski, as well as the Tesla Sphere.

Drawing #3 is an arrangement of capacitors on a revolving arm. Ten thousand volts causes the device to turn, and this obtains even in a vacuum. Its effects are in support of the Mater rosette of dowsing. Orientation to the North speeds up its rotation. The direction is toward the Constellation Hercules.

The mainstream of physics goes toward particles because of the drama of the Atomic bomb. That sort of spectacle is necessary to get our attention. The more subtle areas of the Universe's operation escape our notice.

SEARL



Searl discs have flown self-powered since 1952, from England.

The story of this private individual's attempts to develop this free energy device and levitation system is available in the Searl National Space Research Consortium Newsletters.

The speculations shown here on the

operation of the device are not a disclosure of the SNSRC secrets; rather the threading together of principles noted since the 1800's. The military use of electrogravitics didn't begin in present times until the 1940's, and this was the British development of a legacy from fallen Germany. When the U.S. refused to share the results of the Manhattan Project, Great Britain countered by going into secret development of this sort of craft. Bases are mainly in G.B. and Canada, and can't be detected from the air. Because of the secrecy, the U.S.

military didn't begin to figure things out until the 1960's, and are likewise blanketing these Virmanas, these "last ditch" weapons. To reveal the method of operation makes them vulnerable to defeat from "gravitic" forces; an area of science which can also perform such wonders as detecting all hidden military installations, etc. Naturally, the civilian development of such free energy technology is discouraged, and not just for weapons security. The story of all private development is tied together by lack of funding.

Still, thus far it has not kept us harmless cranks from finding out the wonders of the universe. In the generator shown above by the present author, a fixed ring comes in contact with moving copper segments when the segments are positioned over a positive charged pole piece. This is similar to the operation of the old Wimshurst electrostatic machine. Many versions of these have been built for aerospace, and work so well that they are classified. The segment then passes to a contact on a "return loop." Some of its electrons are then obtained from a previous segment which has just been in contact with the negative ring, which rotates. Thus, the segment has first been positively charged due to contact with the fixed ring while over the positive pole. Then, it obtains a negative charge by contact with the return loop. This charge is transferred to the rotating ring while the segment is over the negative pole.

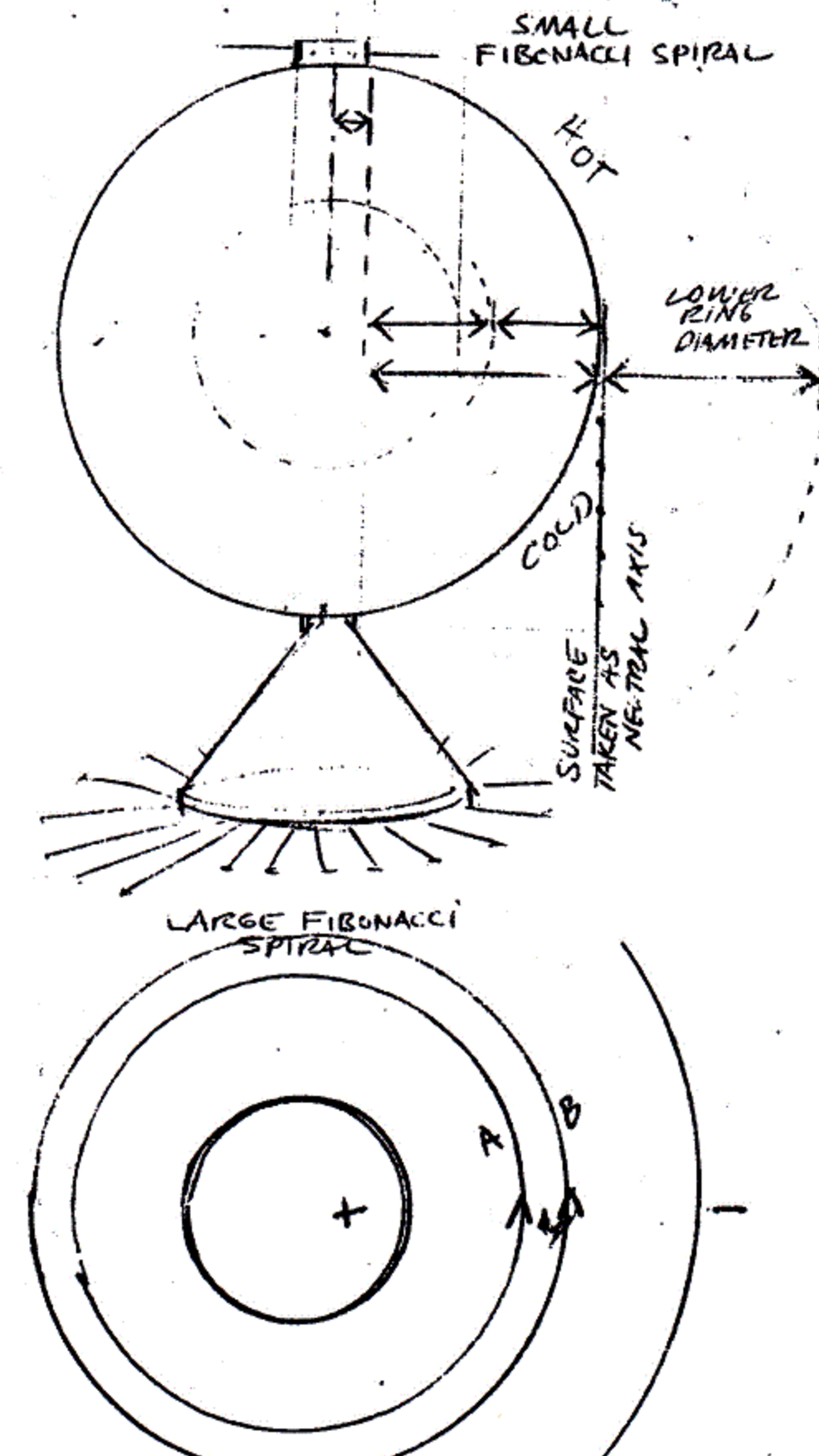
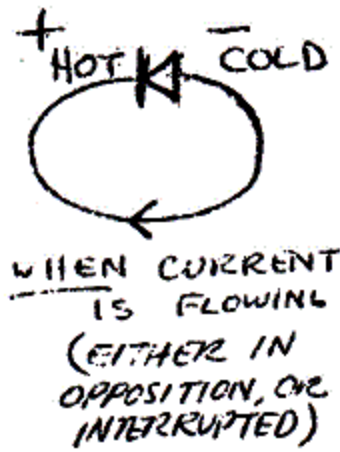
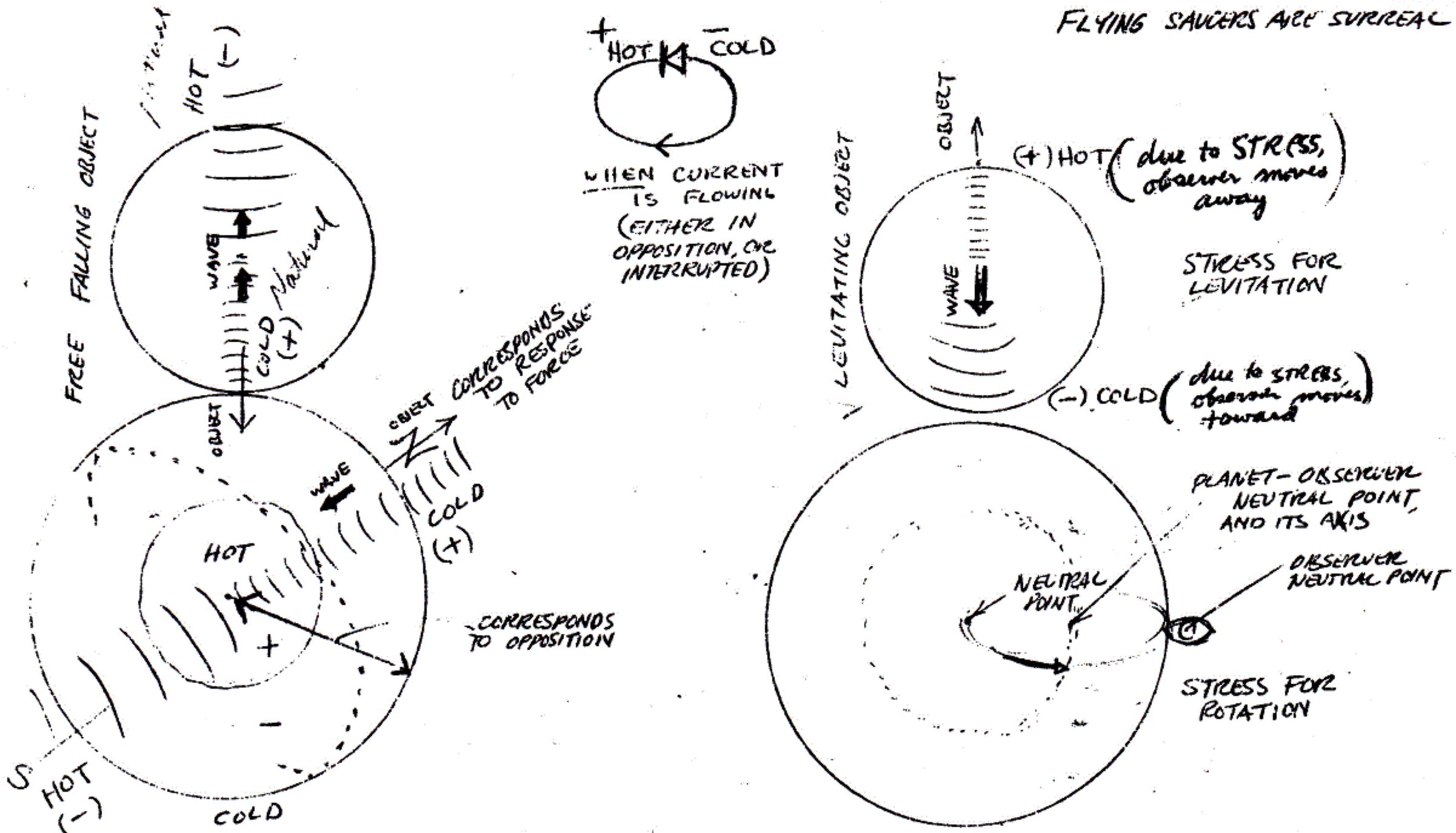
By this simple method electrons are transferred from the fixed central ring to the negatively charged rotating ring. This is happening simultaneously on ring A and on outer ring B. As a consequence, a charge difference occurs between A and B which is resolved by sparking over. The building up of charge was the slow part of the $F=ma-MA$, and the sparking is the transient, lightning-like part.

The function of having the pole pieces magnetic as well as electrostatic can be traced from the reasoning in the Schappeller globe, and in the recent Ecklin patent. A tension builds up as the magnetism increases due to the return loops, and to electron circulation on the rings; which is the force causing magnets to fly apart. Some of this is translated into turning the disc. The mobius coils which are wrapped around the twisted core of the periferal magnets (thus making the C magnet a mobius strip as well, and exposing its surface fully to the mobius winding) is a coil which can receive all sorts of frequencies, but which can't broadcast. It receives the Earth resonance of the environment, and translates it to stress on the steel segment passing through its gap. Thus the speed of rotation is automatically times to local forces.

What would ordinarily adjust the material of the disc to traveling toward the Earth's core: that is, to sit on the ground, is redistributed. Instead of being that velocity of falling, it is a velocity of rotation. The particular center which would also be held to the ground, is precessed due to the transient between A and B.

KEELY

Keely is referred to by Madame Blavatsky in The Secret Doctrine as having levitated a sphere. Without doing further research, we can make the following guesses: the small spiral could go both at top and bottom of the sphere, and the larger spiral located at a particular distance from the surface of the sphere. If there is only one point contact between surface and the negative radiator, the sphere will rotate. Excessive sphere rotation, (or no rotation?) could lead to a levitating situation. The tension resulting from short wave radiation at the axis, and long wave radiation at the equator, would have to go "somewhere."



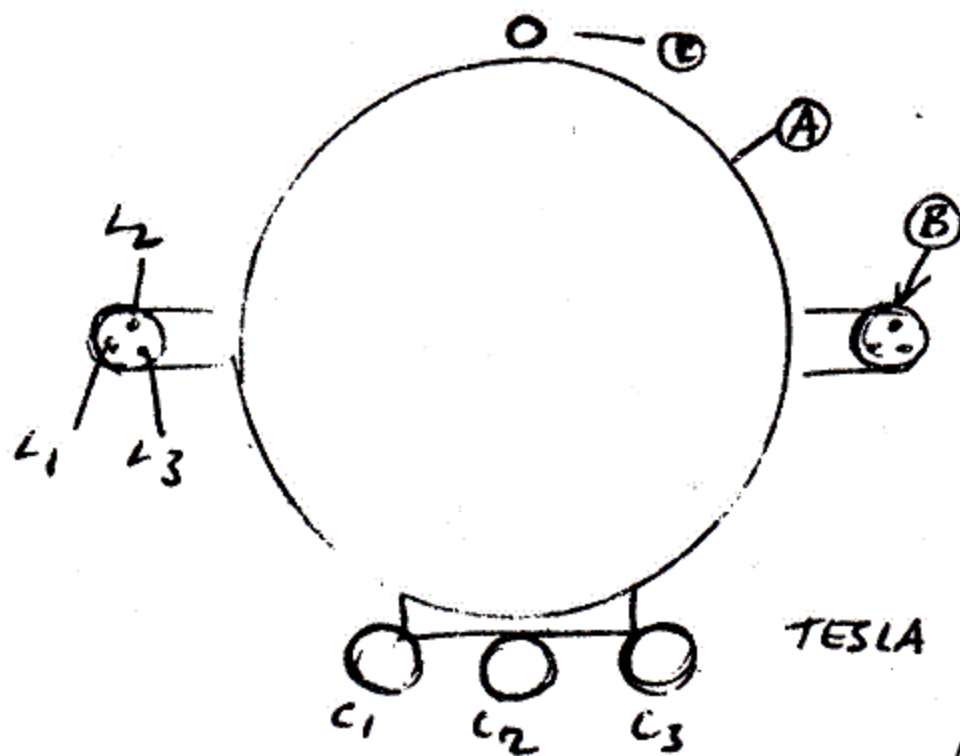
Note: Consider chord mass, also formulas for cavity resonators in radar and UHF standard technology.

Searl Disc - the shrinkage of the positive center brought about by electrostatic generator forces tension on the rings. As shown above with Earth center and observer on surface, this is mutual rotation. Likewise, A & B would prefer to counter-rotate, but are forced to go in same direction. This tension is periodically relieved by electrostatic discharge between them. The exchange between them, and then B relating to the neg. fixed ring as A formerly did, is Precession.

This sort of precessional exchange takes place in the Keely levitating sphere as guessed at by the author.

TESLA SPHERE

The view usually presented is the top view. The second view comes from the author's bench set up. 12 Kv can be pumped through it from an outside source, but it will be described in terms of its function as a crystal radio.

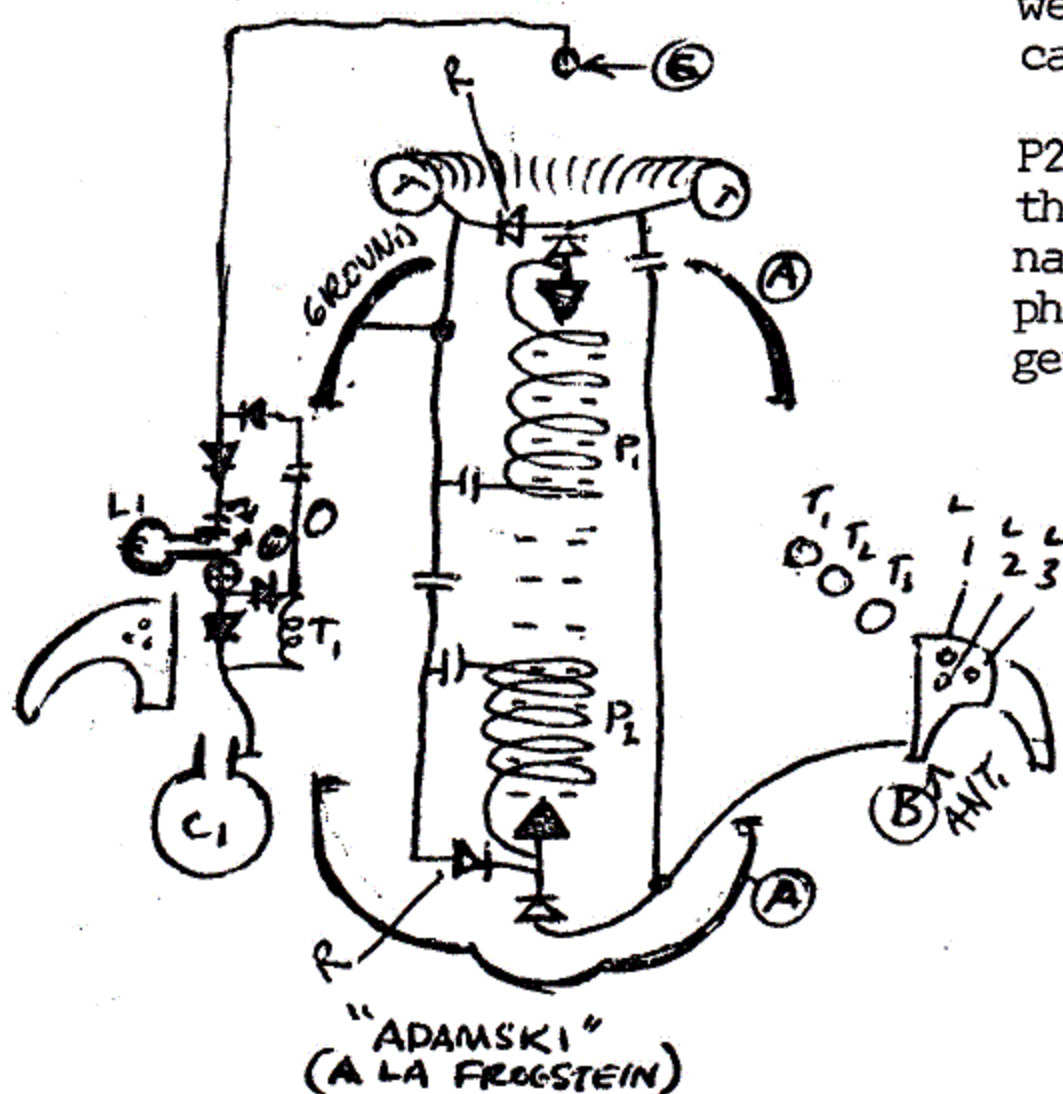


The basics of the top view: A, central sphere; B, equatorial ring; and C, top antenna; L1, conductor inside ring, etc.; C, bottom spheres resemble the "Adamski" saucer descriptions.

There would be quite a variety of ways to rig such a thing, such as the J. F. King patent of May 1967, # 3,322,374.

As a crystal radio: the stimulating signal comes through the toroid, possibly grounded on the main sphere. The first coil around the center can be the earphones.

A resistor can be placed at "R" instead of a diode, and other arrangements are possible as well. Likewise, at the end of "P" a resistor can be placed instead of a capacitor.



P2 constitutes a second set of earphones. If this end is without a matching toroid, its signal is a little out of sync with the first earphone. The accelerating tube down the center gets into something other than radio: The two electrodes at either end can be permanent magnets. Down the center are iron washers spaced similar to the columnar device in J. G. Gallimore's "Handbook of Unusual Energies." Ten cycle, 60 cycle, and all such variety working on the device end up as "gigacycles." (thousand million). Somewhere in this is a harmonic which satisfies the condition of the device powering itself.

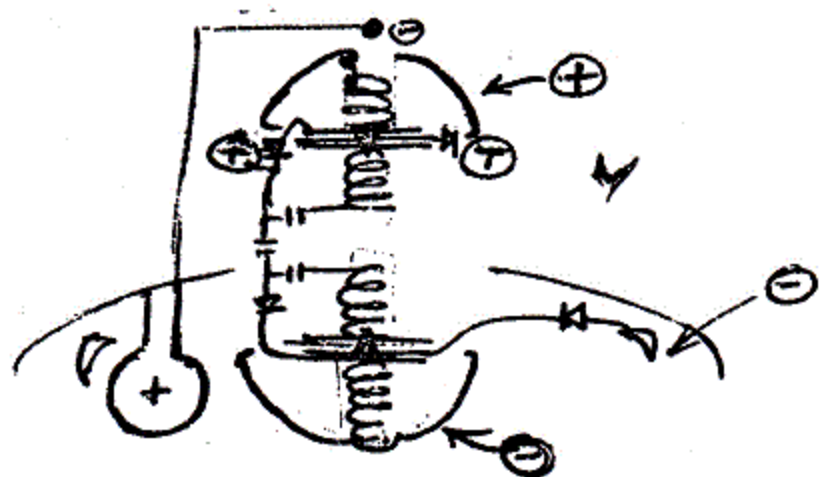
Compare this circuit with the self-powering Searl Disc. The toroid has characteristics of a Mobius coil, which is located (64 of them) at the periphery of the disc.

P1 and P2 correspond to the inner and outer

ring of the generator. The Mobius coil is on the negative edge of the generator; in this case, the toroid is on the positive, or inner end. The result is the same: the toroid or Mobius powers the two ring-magnet setups.

Auxiliary spheres. These three navigational, or pressional spheres could be grounded on the main column, but this time let's think of them as hooked to E. The three loops would have a mutual inductance which might cause the spheres to charge in sequence, letting our saucer wobble as saucers are wont. The sequence of the three toroids is supposed to push the plasma above the shell downward. Be

that as it may, these might do well to be on the negative end of the circuit instead of as shown. Switching controls on each one will allow our little green man (or Airforce pilot) to tilt the saucer for lateral flight.



For more pumping "oomph," let P1 and P2 be primaries for Tesla secondaries.

Steel container filters energies between neutral center and outside

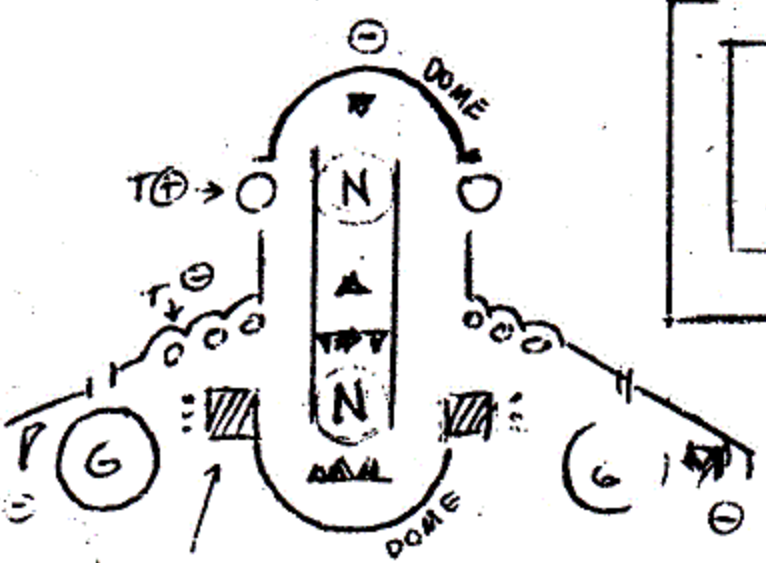
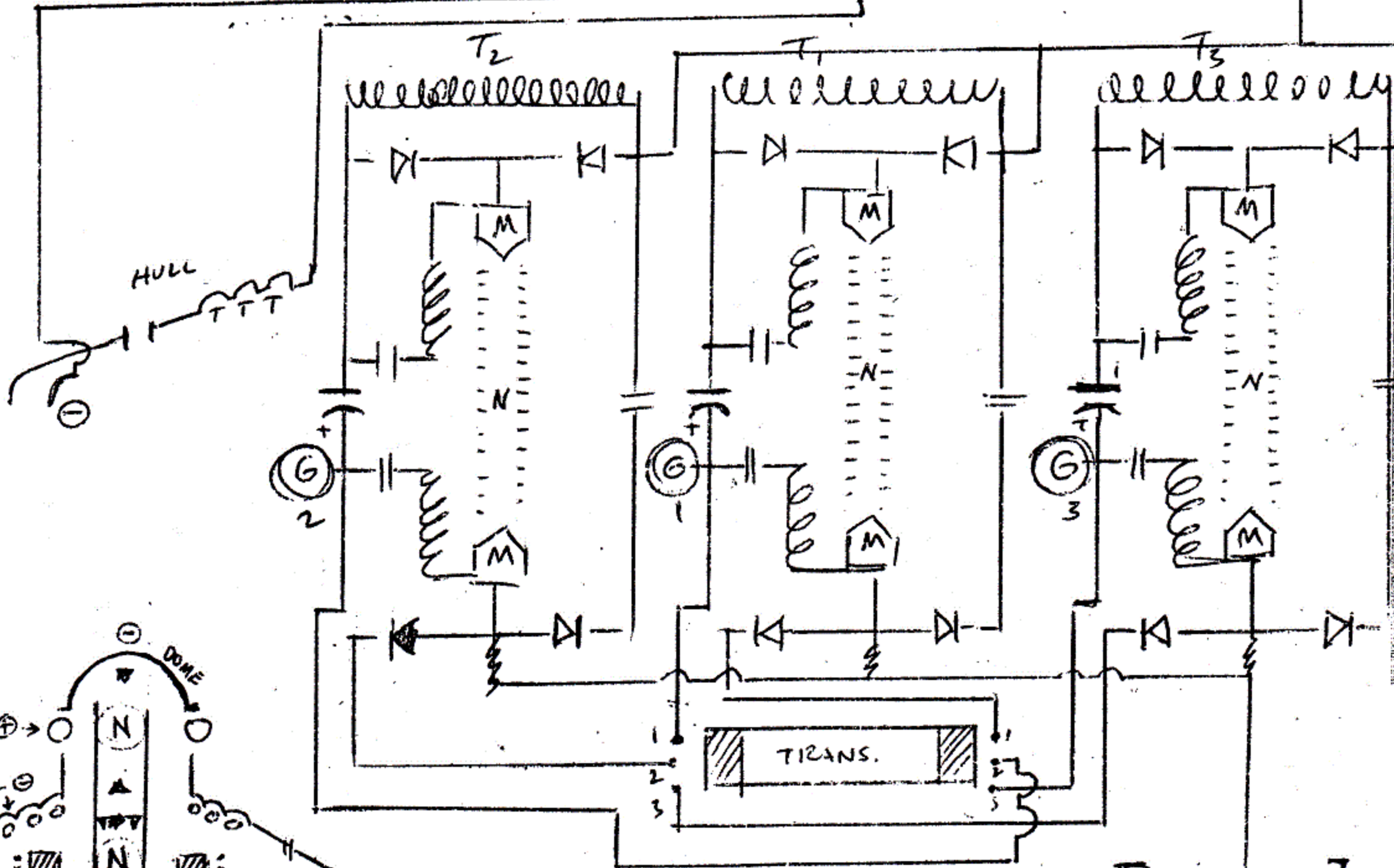
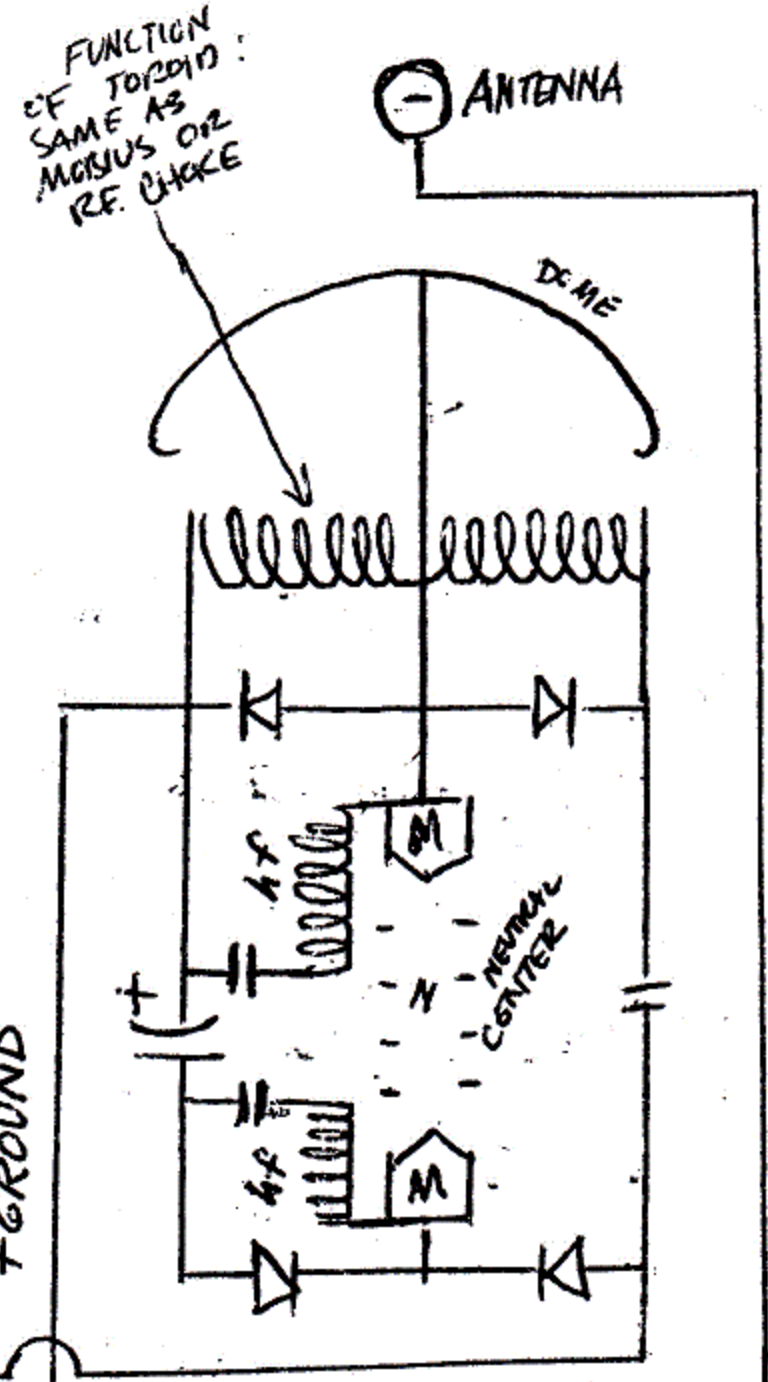
Vacuum required at neutral point..provided by 10 Kv

A. Coasting: in a segmented steel generator, this is momentum and attraction to prm. magnets. Stress energy then repels steel rib.

B. Coasting: 1. Electrolytic capacitor, or battery retains energy increments when input is "dual electric" high frequency. This is statistical entrophy. 2. When the dual electric high frequency drops off, and after a recovery time, the cap. or batt. discharges. This is polarization. 3. Timing coils & cap. is tricky.

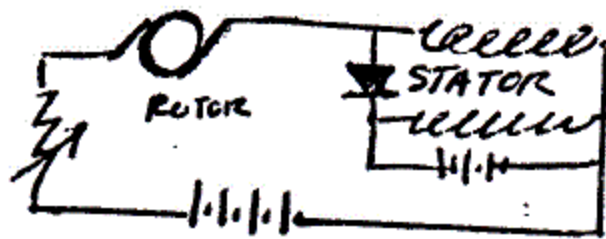
Fundamental around the Earth is 10 or 12 hz. Occurs in lightning at about some 500K Hz harmonic of these. Billions of cycles increases chance of harmonics falling in useful range. Atomic frequencies

5,242,880 Hz for 10 Hz
3,145,728 & 6,291,456 harmonics for 12 Hz
ANTENNA



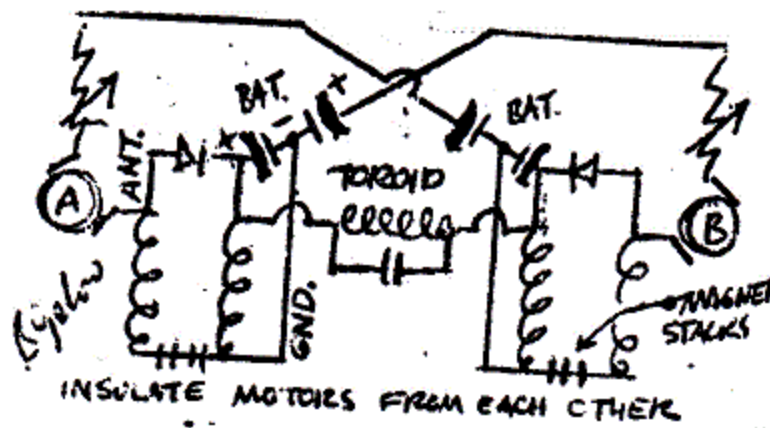
RELATION OF PARTS TO NEUTRAL CENTERS

INTENTION OF TRANS. IS TO CHANGE RELATION OF TOROIDS & GROUND SPHERES TO A SEQUENCE



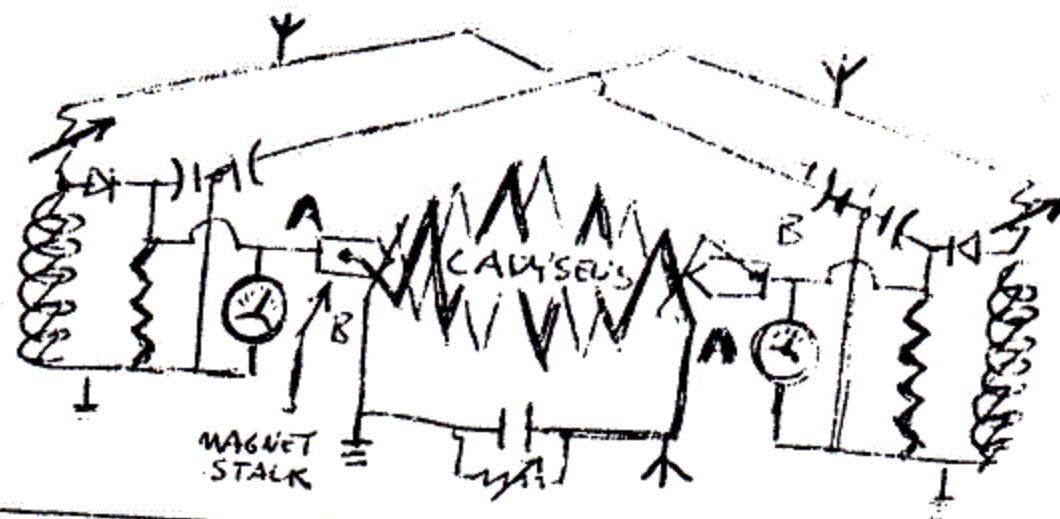
ZUBRIS

Electric automobiles using conventional and second-hand 10 horsepower and less D.C. traction motors outperform expectations. The Zubris Patent uses a diode, or several diodes with the stator split into two windings. The diagram here is only roughly like the Patent #3,809,978. However, when this is compared to the Schappeller device, you can begin to guess why the efficiency develops. The concept can be developed in a practical manner even further along these lines. Zubris is very helpful with car builders and license to build such a vehicle can be purchased from him. Presently, he is collecting data from such builders to make the system progressively more rugged. Zubris Electrical Company, 1320-A Dorchester Ave., Dorchester, Mass. 02122.



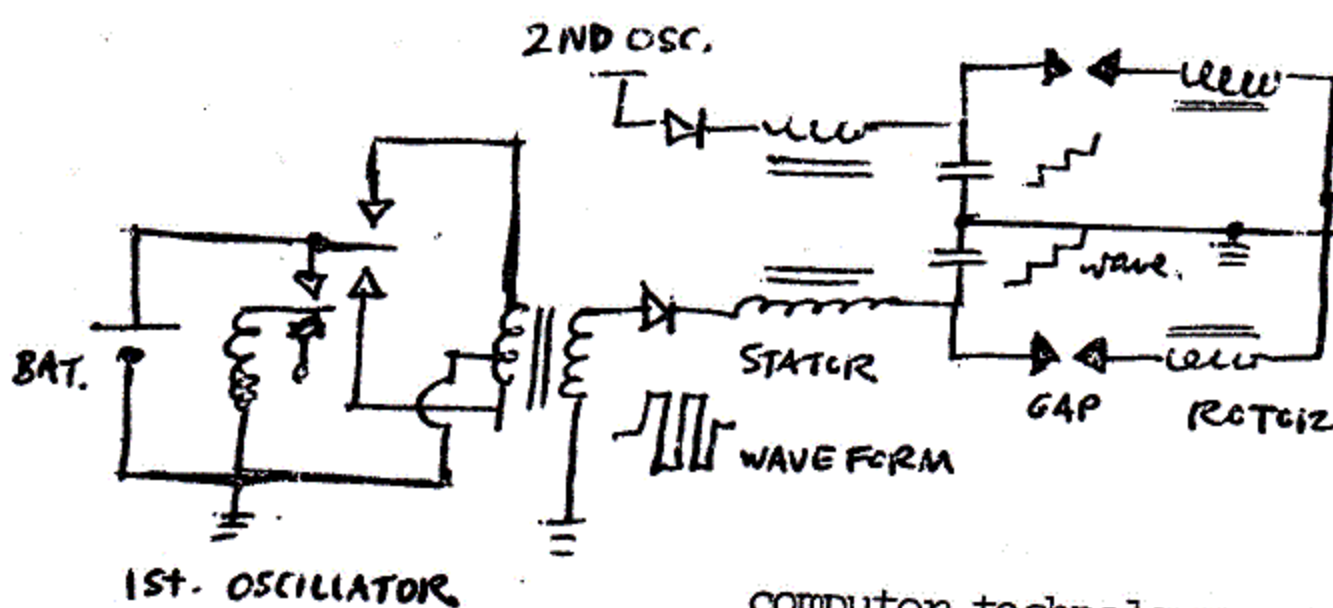
Zubris suggested that for the experimenter, the D.C. automobile fan motor from the heater is an easily available bench set-up.

Thinking along these lines, such a motor might compare to the three linked crystal radios, and to the Schappeller sphere. If our basic efficiency frequency is Tesla's 12 Hz, or earth resonance; or the ten Hz of activated water, we have multiples of this in armature speeds which either will not drain the battery or else will recharge it. "Dead" frequencies in between might be the moments of maximum power loss. The drawing is the author's hazy suggestion.



If the Earth frequency theories hold and (activated) water, then it is a simple matter to ensure that the electric auto acceleration takes place

in harmonic "quantum jumps."



E. V. GRAY
The efficiency of this sort of motor derives from capacitor discharge. U.S. Pat. #3,890,548, June 1975.

The exact timing of the capacitors is essential, and required

computer technology, a study of Earth resonance, capacitors, and spark gaps should show why Ev Gray was looking forward to surpassing the 500 mile per battery charge (attaining turnpike speeds) range, and developing a totally NO FUEL car.

Some of the efficiency shown derives from turning a sine wave pulse into square waves, as is done in multivibrators. In this case, the energy is expended at peak, so the magnetic field is produced only at top energy, and does not rise slowly as in conventional electric motors.

ECKLIN

U.S. Patent #3,879,622 - Less work is required to move the steel door into place than is required to reciprocate the magnets. More power is derived from the magnets, so the device continues to operate until demagnetization. Improvements: shorter field path. Attracting magnets weaken less rapidly than repelling. Rotary shield motion.

Many permanent magnets devices are discussed in the Perpetual Motion Journal. (Kiniski, #3,811,058 is example).

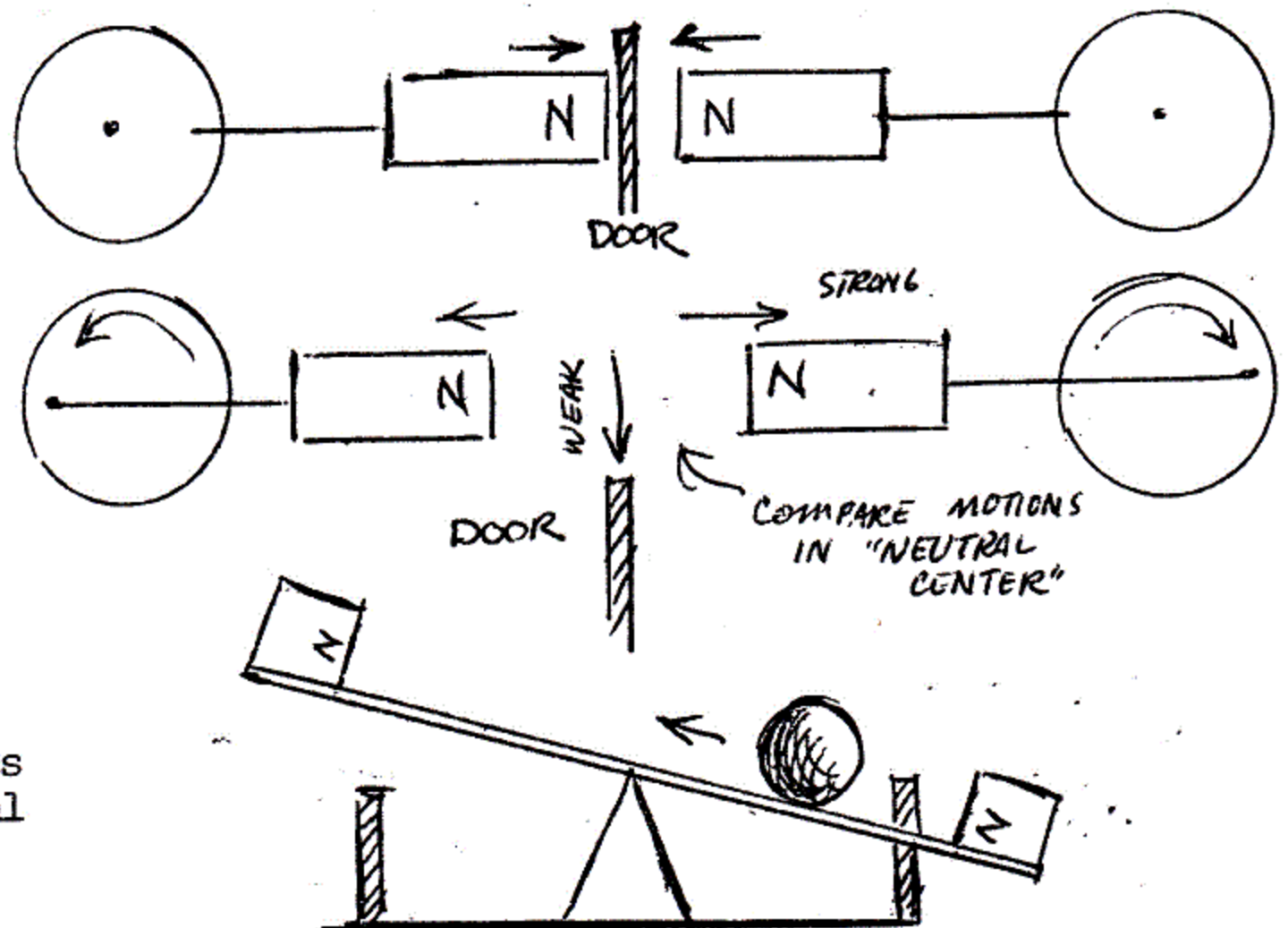
Recently, extremely powerful permanent magnets have been developed. There is advantage to permanent magnet motors. If the Schappeller device is studied, one can see how the performance of conventional direct-current motors can be improved.

BALDINELLI

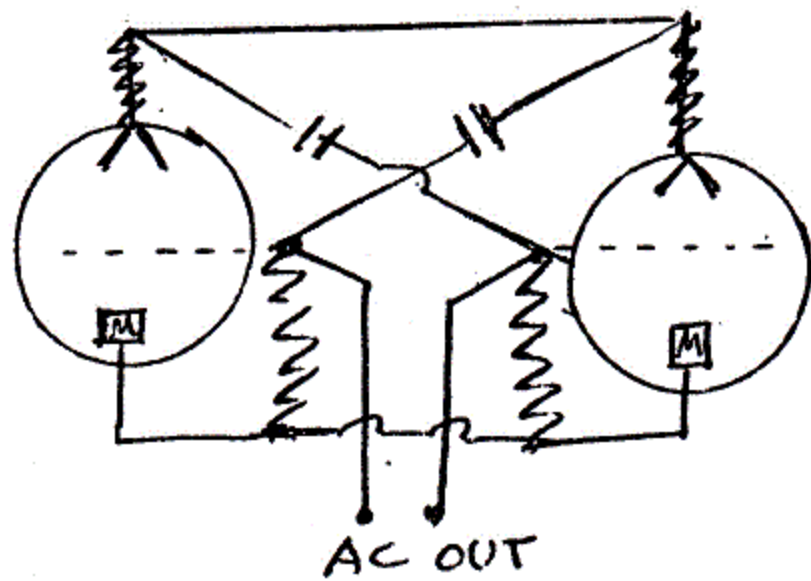
During the blackout back East, Baldinelli was running his house lights off batteries being charged from a solid-state two relay A.C. oscillator. The batteries did not run down. The Boston Evening Globe article states that B. holds a patent on the device, but no number was indicated. The contradiction being that the device is also described as "self-destruct." If the patent were already a matter of public record: why so?

Such are the tangled tales in an inventor's attempt to make back his time and effort. Investments from private citizens as of the Dec. 4, 74 article totaled \$500,000. and the poor guy was under investigation by the attorney general of Massachusetts.

So, again, how do people hold a patent on a secret item when it only costs you and me 50 cents to get a copy?

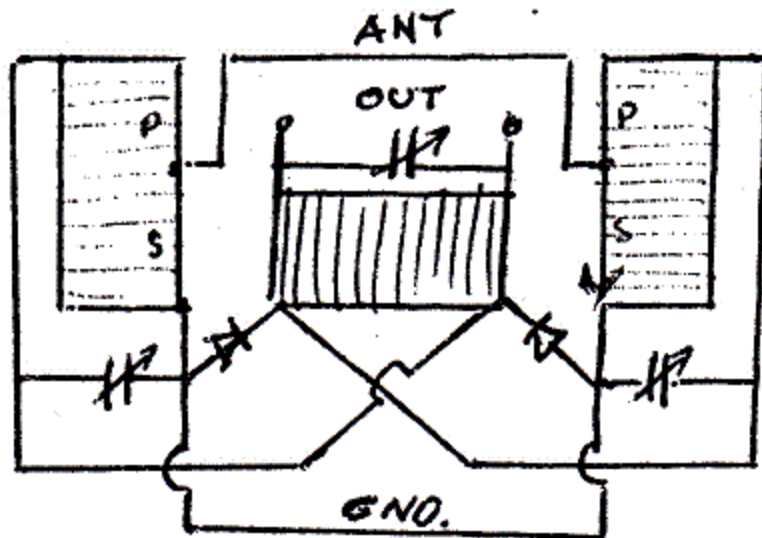


GALLIMORE



A couple of details are left out of this diagram, because for a proper understanding, the text of "Handbook of Unusual Energies" by J. G. Gallimore, should be read. (Available from Health Research, Mokelumne Hill, California). There is an overall resemblance here to a conventional multivibrator, and the use of permanent magnets corresponds to the Schappeller sphere.

The crossing of several different frequencies can be demonstrated with three conventional crystal radios.



With such a radio hookup, either the ground or antenna can be left off, and it will still function, as do the rf detectors in his book. The shorter the antenna, the more they select higher frequencies. Unfortunately, such frequencies are inaudible without special equipment to slow them down. With the proper tuning, the crystal radios produce a high-pitched sound apparently due to the crossing of two audio frequencies. On the "out" terminals, an

earphone and diode are hooked in series. A second phone can be added across the same terminals, with its diode in the opposite direction. So connected, the phones can receive separate stations.

The intermediate coil has the position usually occupied by the phone, so you can see how one can be added to the multivibrator. If crystals such as quartz are positioned in front of the cone-shaped detectors, they also emit a signal into the apparatus, and such signals are demonstrated by Gallimore. These vary with whatever stimulus the crystals receive, such as emotions or muscle noise from the human operator.

MORAY

A series of cold-cathode tubes are connected in multivibrator fashion, and these in parallel. Apparently each set is responsive to a different frequency like the World Federation power multiplier. A sixty-pound array kept lights burning indefinitely although driven about in an automobile. 10,000 volt start is then turned off.

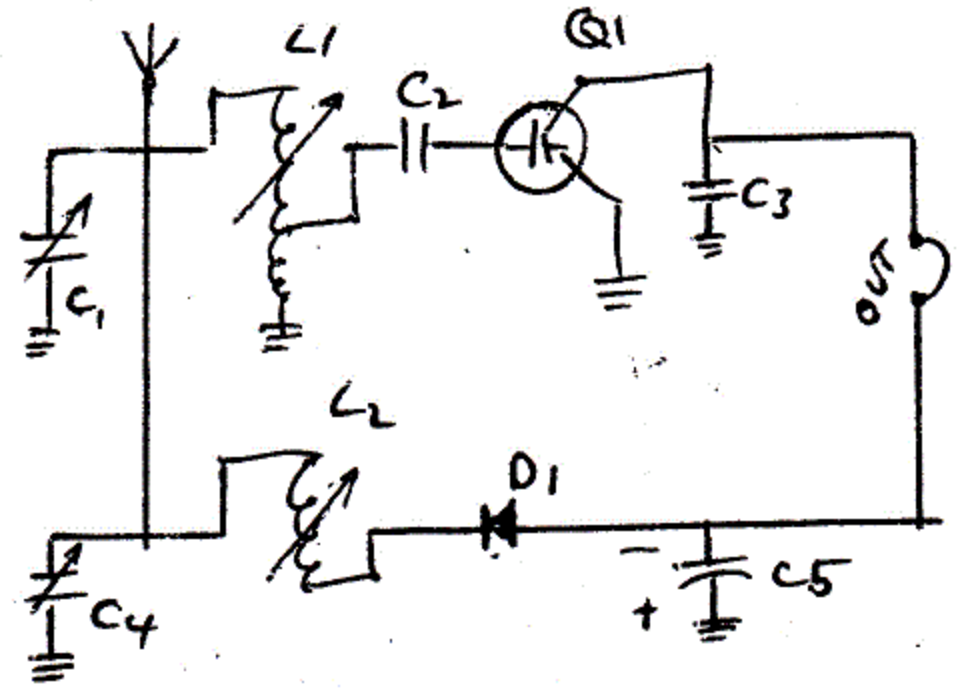
The considerations of design and patent, and whether to prematurely market the system is commented on by Cosray, and the reader can discover why inventors must hold back on releasing such basic developments.

Cosray, 2505 S. Fourth East, Salt Lake City, Utah 84115. Speech given by T. Henry Moray in Valley State College, California, 1962.

A parallel arrangement by Brad Pillow: The power of a strong local station is taken through C4, L2. Then, C1, L1 is tuned to make a weaker station audible from the foregoing power. Compare the above crystal radio, and consider how an indefinite number of such compound hookups can be linked together.

C1C4 365 pf Vc L1L2 Superex VLT 240
 C2 .22uf loopsticks
 C5 .0047 uF
 C5 15uF 6wVdc electrolytic
 Transistor GE 2 Diode 1N38 B

If cold cathode power tubes were used, an initial 10 Kv could initiate activity.



HENDERSHOT

Electrical activity in the coils causes a stress in the capacitor located within the coils. Electrons therefore wish to travel to the inner plate; and in so doing again initiate electrical activity driving them back. Storm frequency, or earth resonance is the "least work" frequency for this to occur, or harmonic multiples thereof. The coil directly linked to the capacitor operates at these frequencies, and its magnetic field is absorbed by the other coils in transformer fashion.

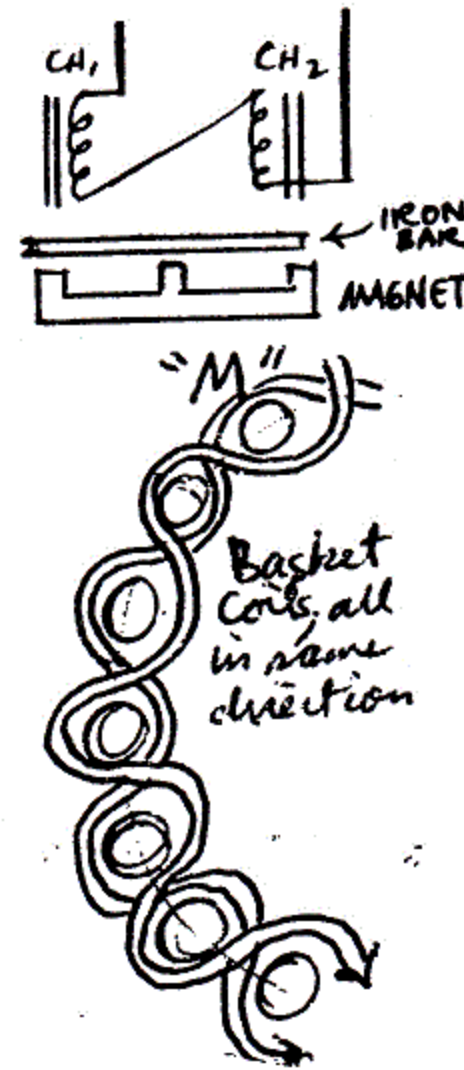
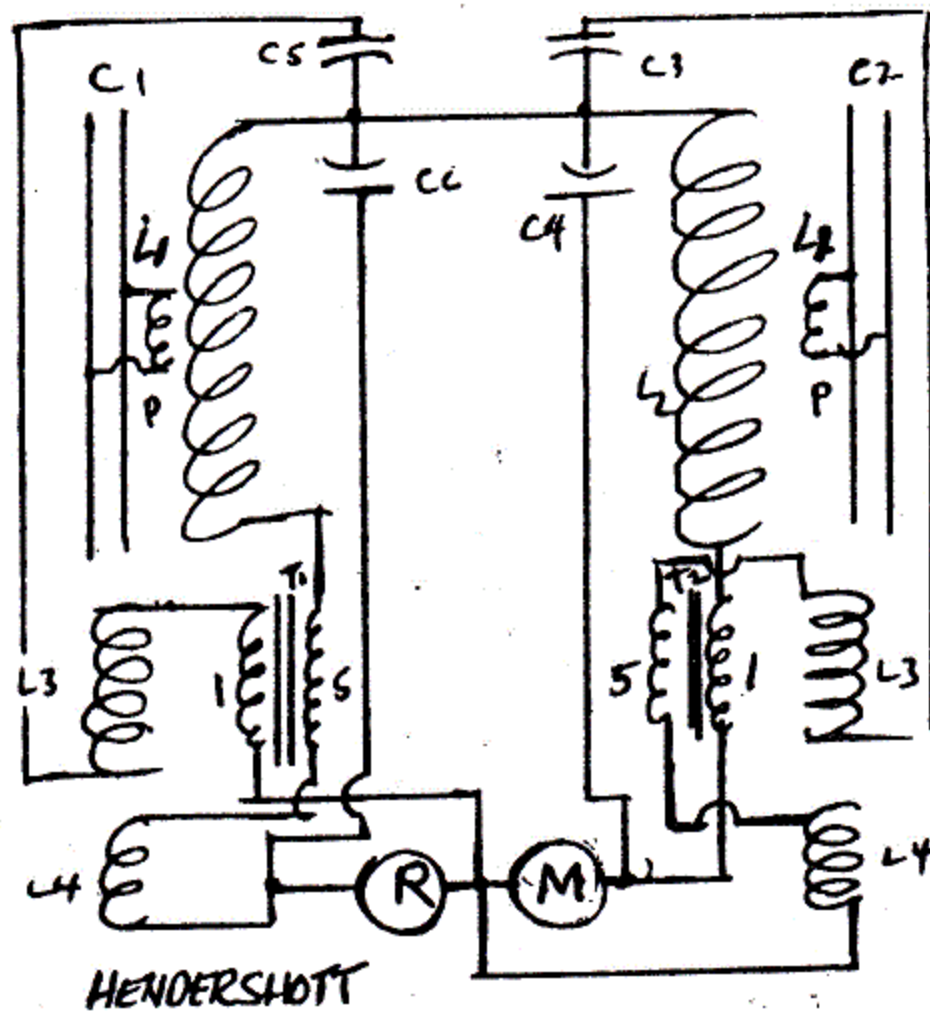
The result of the high frequencies is often termed a "warp" of space, where positive and negative both approach the observer at the same time. The net result is to push the positive high frequencies into a lower frequency, creating heat. That is, the position of the observer is more toward the negative than would a normal state of rest attain.

The electrical activity also throws the magnet out of equilibrium, and between that and the capacitor, external rhythms move to restore the observer to a position between neg. and pos. radiations which requires "least work." As a consequence, work is seen across the output in the form of light or rotation in the amount of 300 watts, This is simply a transformation of a large volume of external compensating force into a force across a small area, by means of stress on a dielectric which is timed by its receipt of Earth resonances, and the permanent magnet's response. In both cases, the materials involved are pre-stressed in a manner in which the forces binding their molecules can be considered separate from the "aura" or stress of space, or "least work" area to which their binding gives rise. Forces less stable can dance around in these areas, and interact transient with "space": a person jumping on the surface of a gravitational body will be "sprung back," which would be abnormal in unstressed space. If, on a teeter-totter, he propels a friend beyond attraction and into orbit or beyond, it will be because his buddy weighed less than he did. If he is himself going to be propelled, he'll have to wait for an outer-space transient.

Lower frequency of radio broadcast: 500 kc is the self-resonance of the basket-weave coil. 57 1/8 inch dowels in a 6 inch circle. L2, 64 turns #24. L3, L4, #20, 25 feet. Wrap in and out around the dowels in traditional radio basket.

In center of coils, TM 58 Pyramid cap. is wrapped around 5 1/4 in. dia. stainless steel cylinder, 3 inches deep. Kraft paper or wax paper insulates the cylinder. Wrap starts with non-terminal end of foil, ends with both terminals outside. Coils and cap. then sealed with melted parafin. Capacity should now be .0078 MFD.

Solenoid coils CH1 and CH2 used with magnet from radar magnetron, soft iron bar interposed, gap adjustable, as this determines ideal frequency for a given load. Transformers T1, T2 have 5 to 1 turn ratio. Cap. C3 etc., are 1/2 of dual Pyramid TM 58.



L1, the independent coil attached to the cylinder capacitors is #28 gauge wire. The bell coils are 110 volt, and the output goes to a 110 volt bulb.

L1 moves electrons from inner foil to outer during electrical activity in the coils. That is, the equivalent occurs in stress on the electrolyte. When activity in the other coils ceases L1 surges to relieve the dielectric

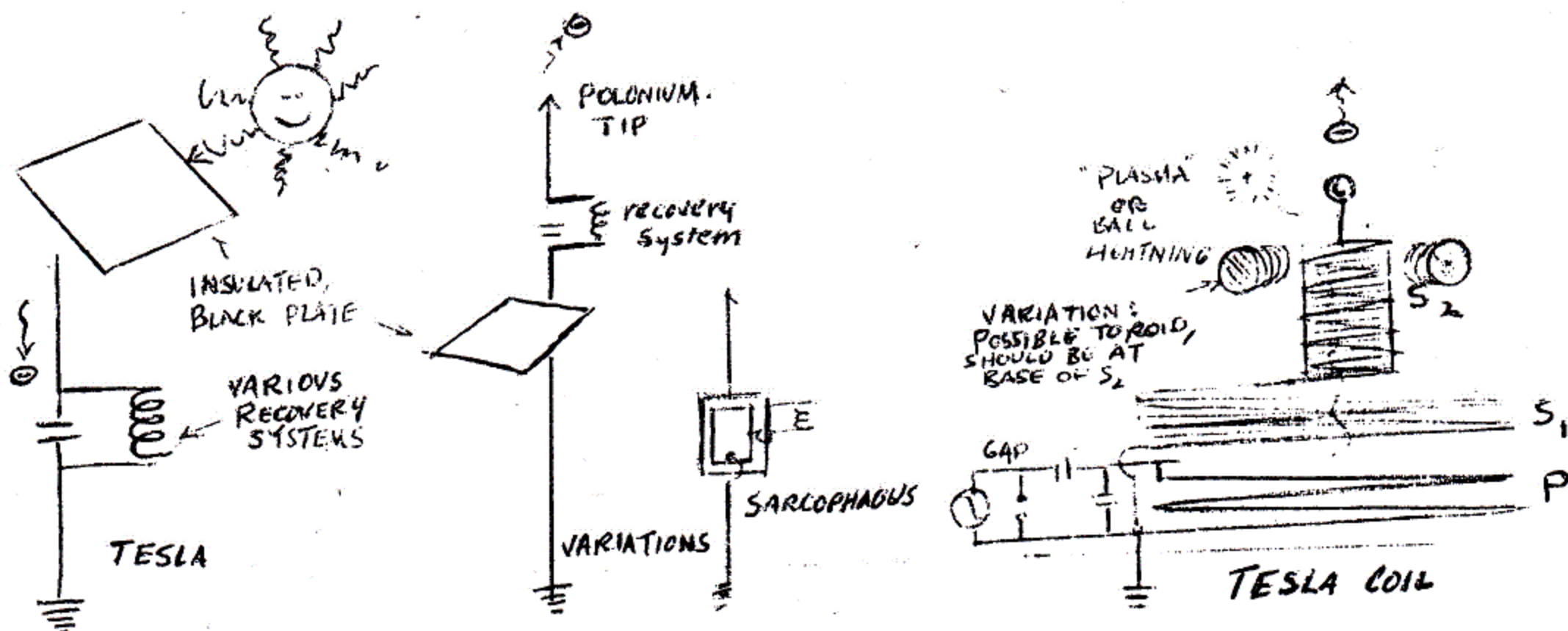
stress. This, however, induces the other coils to act.

They cause the energy conversion from the magnet to the light bulb. Outside energy has then entered the materials. This could attain a state of rest except for the stress on capacitors C1, C2.

L1 flows again to relieve the stress, and here we go again. Thus it is analogous to momentum on the Searl Disc, and corresponds to upward electron flow in the Schappeller sphere; the antenna-ground situation. Because the increments are so small, and the frequencies are so high, no magnetic field can be detected during the operation of the device. Successive coils absorb each other's magnetism through induction, but the significant force is Maxwell's displacement.

As each electromagnetic exchange reaches equilibrium, a "neutral center" is achieved in which external forces operate in a dual-magnetic or dual-electric, "non-Hertzian" manner. These points occur as octaves, and appear on the periodic chart of the elements as the noble gasses: Helium, Neon, Argon, Krypton, Radon. This octave set-up occurs because some basic stress is countered by itself. That neutral combination would be 2. To counter this, two complete sets of two are required: 4. To neutralize this: 8. Forward motion is countered by backward motion when the observer is the same velocity as the forward motion. Rotation is countered by reverse rotation when the observer is moving along with it. But, small is always overwhelmed by large, so the observer is in motion toward the small.

The trick here is loose enough wiring so that perfect resonance can be obtained with a variety of storm frequencies. 500 KHZ. This way, the Earth's role in setting the breakdown point of the dielectric is the same as with lightning. Hendershot started the device by holding an insulated wire and shorting across parts of the circuit. One can see the human role as a receiver of external vibrations in setting up the artificial gravity of the dielectric.



NIKOLA TESLA

Few people today are aware that Tesla was the father of 60-cycle house current, and the A.C. motor prior to 1890. Those who do investigate also find that he was using radio and electric illumination before even those credited with such inventions.

One could say that this genius was "ahead of his time." On the other hand, as is the case with technology and other magics; it's the rest of us who are behind. Any of us could spend a lifetime and still not catch up. Can we learn from past mistakes? Or can we even find out if there were any past mistakes?

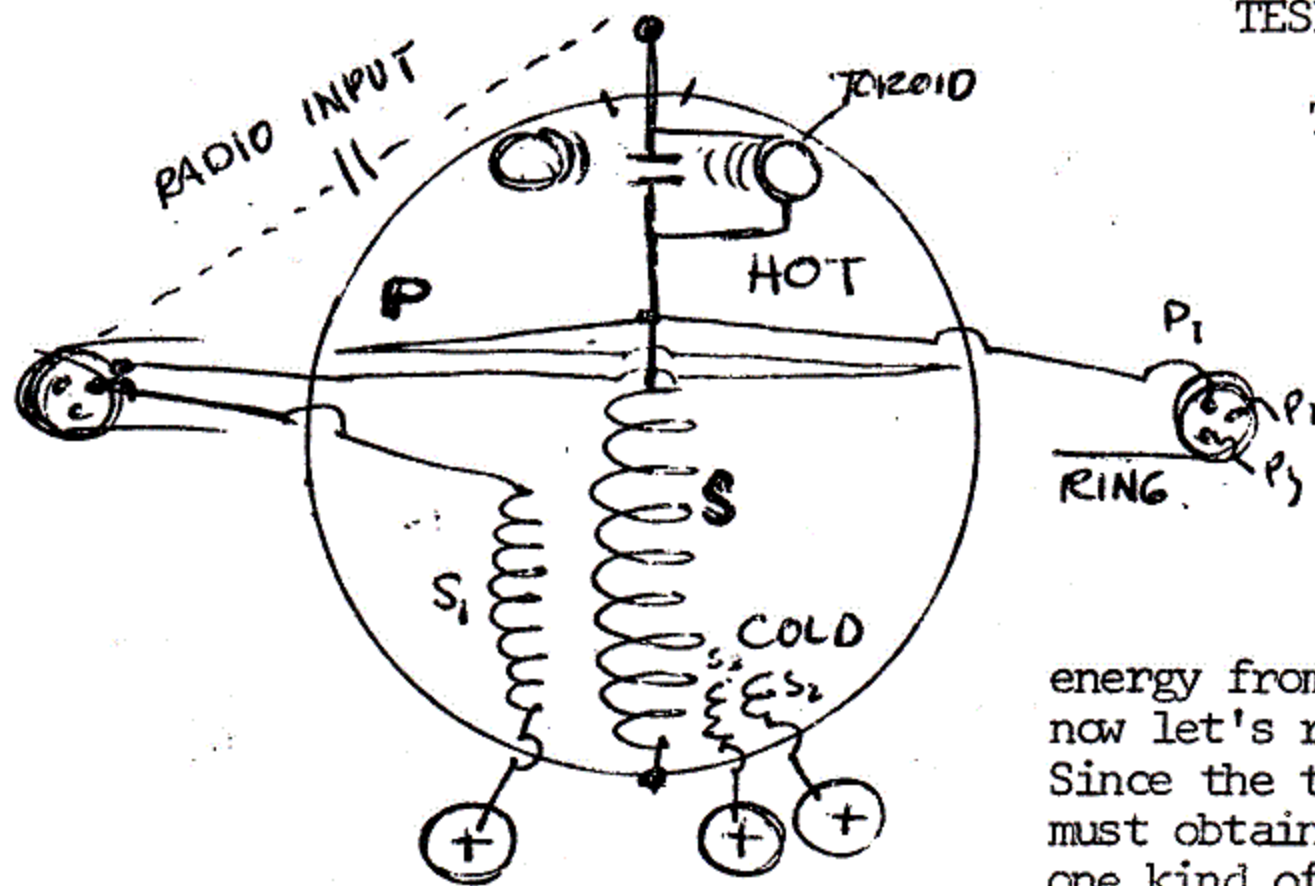
Tesla Research Center, Box 38, Merritt, B.C. V0K 2B0 Canada, and World Federation of Science and Engineering, 5842 McFadden, Unit J, Huntington Beach, California 92649; are offering the Tesla Power Broadcasting book with the hopes that the public might still have a chance to catch up. Health Research has the huge Nikola Tesla, Lectures, Patents & Articles.

Fortunate in obtaining U.S. Gov't financing, engineer Robert K. Golka has duplicated some of Tesla's 1899 apparatus toward the purpose of confining plasma for atomic fusion. Way back then, Tesla generated millions of volts producing ball lightning, which is a form of "plasma." Now, in an Air Force hangar, Golka is doing the same impossible thing some eighty years later. The device is the Tesla coil similar to the above, but without the toroid.

We don't know if Tesla used the toroid, or even what he had in mind as to just what was happening. The Power Broadcasting idea begins to hit upon the Universe Compression apparently by accident. The basic twelve cycles of Earth resonance were calculated by Tesla as the time it would take for electric waves to travel from one side of the Earth and back. Whether he was aware this was pumping more energy into the apparatus than was the generator powered by a waterfall at Colorado Springs, is not a matter of record. During the intervening 80 years, physicists merely concluded that Tesla's voltage figures were in error.

The primary on Golka's apparatus is about seventy foot diameter, and 1½ inches thick, two turns. The first primary is this diameter, and about 16 turns. The eight foot dia. inner secondary is about 100 turns. Golka hopes to go to even larger diameters. In fact, Tesla had a scheme for a primary around the equator

which could be used to move the Earth. This became the eight-inch Tesla sphere which is said to have levitated with the power apparatus on the ground broadcasting to it. Its geometry becomes apparent when we see that Golka's central secondary gets red hot at the base and cold at the top; the sphere is hot at the top and cold at the bottom. The three bottom spheres are connected to secondaries inside the equatorial ring. This is guesswork on my part: the outer equatorial ring perhaps being a negative electrode, and the central sphere being the "ground."



TESLA SPHERE

This is a totally hypothetical arrangement which should be classed under Frogsteinism.

A power broadcast from ground equipment would provide the input. We could go a step further and Schappellerize the rig so we simply draw energy from the surroundings, but for now let's rationalize this set-up. Since the top mast, in a.c. swings must obtain electrons, it glows with one kind of corona, and the periferal ring with another, but it is a shifting situation.

Placing the three ring primaries inside the metal casing adds up to a special situation: these primaries can't have an electromagnetic inductive effect on the secondaries. The effect they would have is explored by Hooper: a motional electric or dual-magnetic effect penetrates metals, and has a "space compression" effect on the center of the sphere. Also, the primaries in the ring have a mutual inductive effect on each other, which would cause one to be "working" while the other two are producing the "dual-magnetic" effect.

The hookup can be a bit different from this, with three toroids coming off the top (in this view the bottom, or end hooked to main sphere) of the main secondary, led out to the ring inner primaries, and then to the three smaller spheres. That sort of situation might fit the "Adamski" saucer.

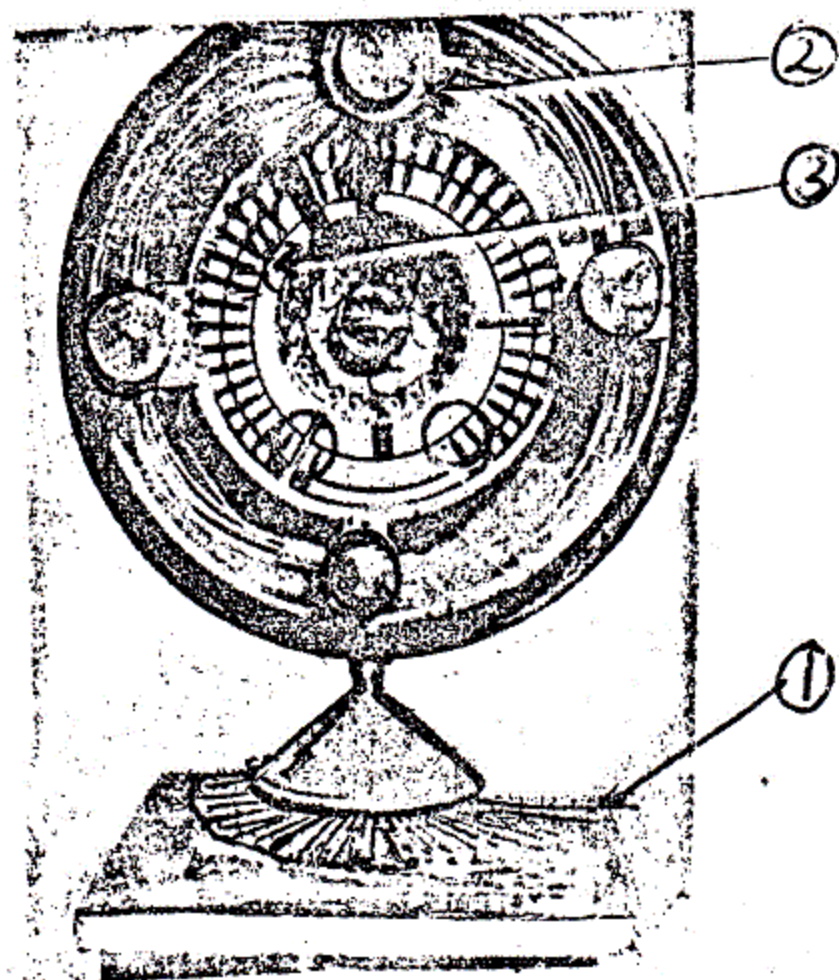
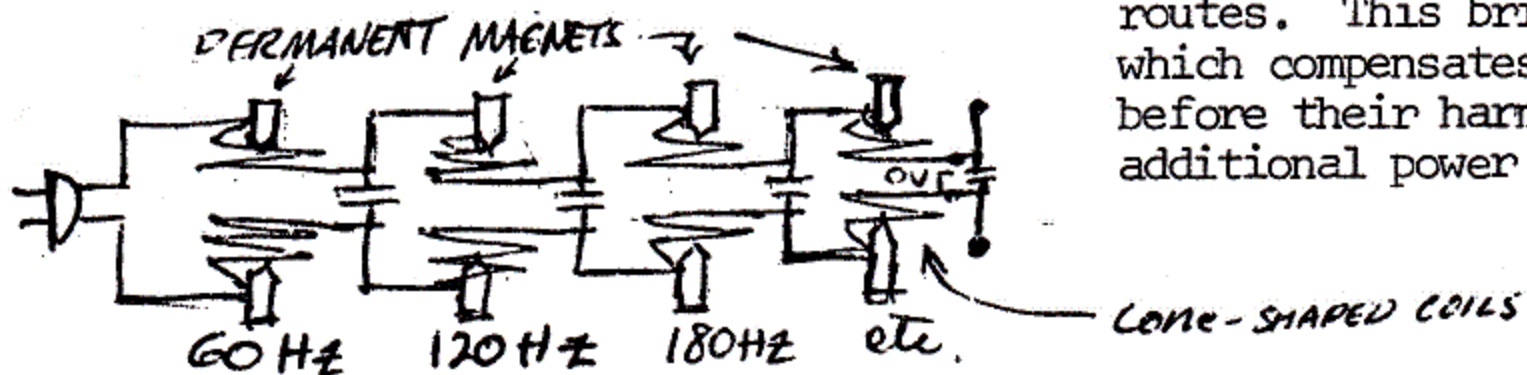
If we cross this idea with the Earth Energy oscillator, we would have a craft which would require some storage in batteries to initiate power production, and which could then be disconnected as power is drawn in from the surroundings.

Many more items are shown in Tesla Patents and Articles. Just one of these examples is the radiant energy device which predates solar energy gizmos. Various methods are described, even a ratchet system. Again, there is no indication whether the secretive Tesla was aware before his death of the neutral center aspect of capacitors. This is implied in many other situations where a dielectric and conductor are stacked, as in Reich's orgone box, and present-day linear accelerators. This speculation can even extend to the sarcophagus in the king's chamber of the Great Pyramid. At any rate, in oscillating situations such as Tesla's application of high frequency A.C., there is plenty of opportunity for natural environmental pulses to be caught on the "upswing" (or inswing) to intervene in the apparatus.

POWER MULTIPLIES IN OCTAVES

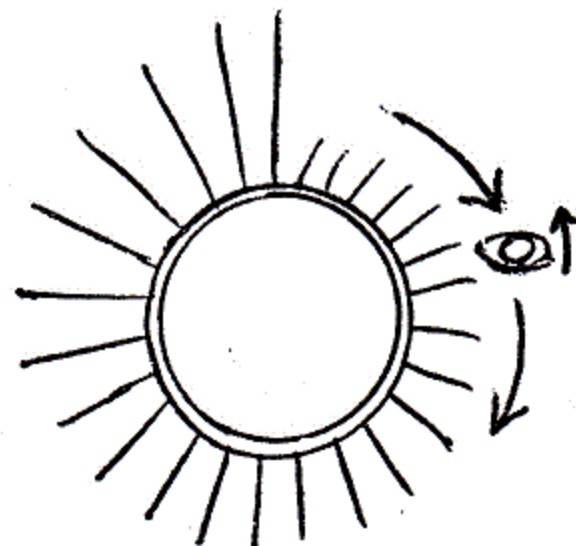
World Federation of Science & Engineering, 5842 McFadden, Unit "J", Huntington Beach, California 92649, loosely describes a method of increasing the effect of house current through controlled hysteresis.

Their verbal description leads to this notion: the creation of additional eddy sets up accidental "Phi" routes. This brings in the Universe which compensates for these routes before their harmonic decay. Thus, additional power is introduced which does not come from the wall socket.



KEELY

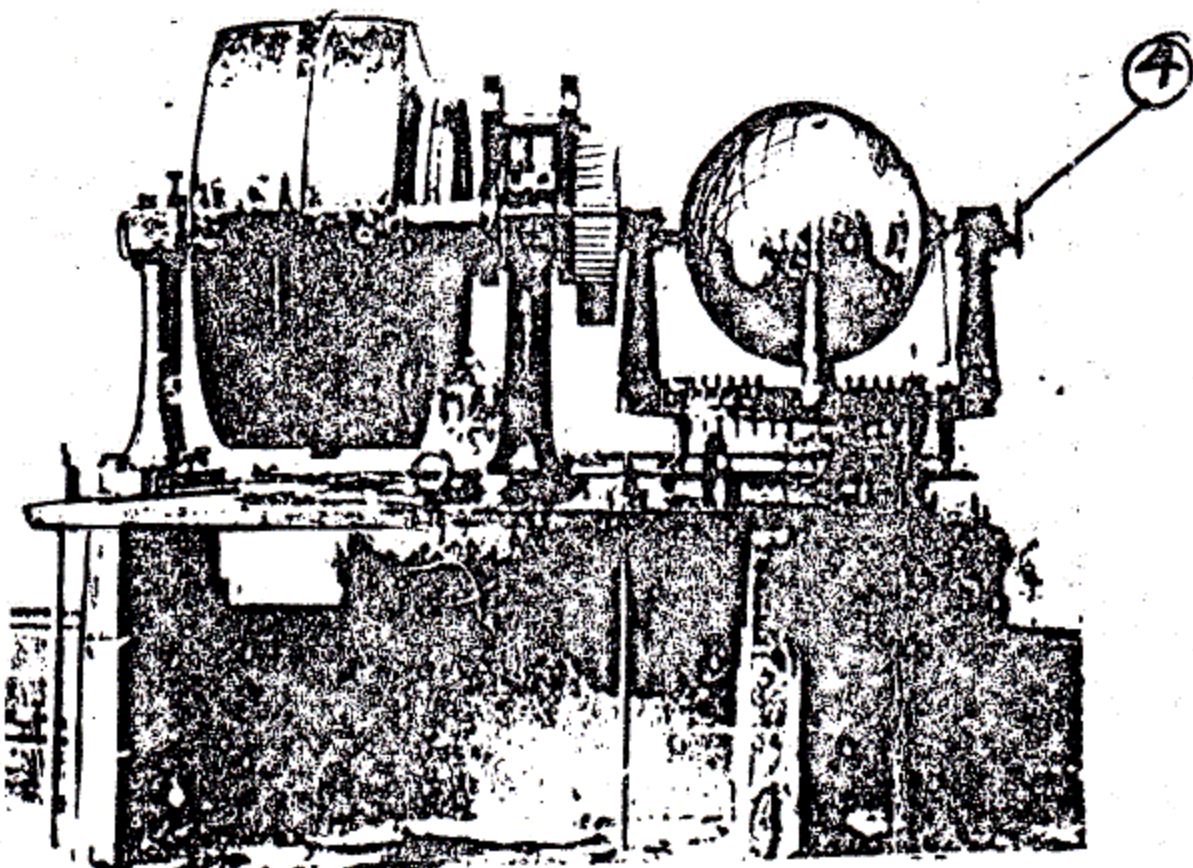
The full account is available from:
Markham House Press, Ltd.,
58 West St.,
Brighton BN1,
England.



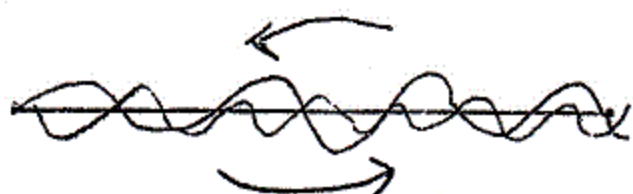
Most accounts of sound deal with octaves. I prefer to emphasize the Fibonacci series, or the related natural log. In the Compound Disintegrator, there are at least three of the aeriels shown above. The "ground" is #1. A number of resonating chambers are suspended from each other.

The coiled tube finally concentrates the pressure which can be used in a hydraulic manner.

Provisional engine coupled to the Globe motor. A spiral as shown above is attached at 4.



IF the spokes are in a Fibonacci or Phi series, then their associated waves can circle the ring without interfering with each other. Compared to the solar system's progress northward, the Observer appears to move toward the higher frequencies and away from the lower. Small spirals would correspond to a planet's polar axis, and the larger would be its equator.



Picturing an end-supported beam, its first harmonic breaks down to second, and so on, until the initial "pluck" is dissipated through the end supports. If the vibrations chosen are actually not harmonic with the length of the beam, much more work is taken up by the end supports. The beam vibrates sympathetically only with its harmonics. However, it can vibrate in accord with an arbitrary non-harmonic if the non-harmonic sets up its own temporary end-supports within the beam. As it travels from end-to-end, its decay into shorter lengths plus harmonics puts stress on the end supports in small quantities related to the beam harmonics in "Phi," or natural log quantities.

Considering this as a planetary sphere, we see why rotation occurs. The vibrational decay is between the pole and the equator as end supports. External noise enters the sphere from the axis, and from the equator. Noise harmonic with the structure puts little stress on its supports. Superimposed on this is non-harmonic noise which seeks either a longer or a shorter length of material. Rotation satisfies both these criteria, so the "least work" situation is a rotating sphere. The vibrations which require a shorter path to be harmonic correspond to a fixed point external to the equator toward which a given point on the equator moves. Those requiring a longer path, exit moving away from the fixed point. These two forces, of attraction and repulsion, do not work on each other because, again, they are not mutually harmonic.

The initial "plucks" are of different descriptions. Those harmonic with the entire system do not act to move it. Those harmonic with the strings on the frame, or harmonic with the spokes which are one-end supported circulate the associated rings and do not interfere. As isolated components, the various beams would absorb their harmonics from the surroundings and dissipate them in their supports. However, the non-harmonic supports set up routes as required in the interaction between equatorial and polar beams. In breaking up into second and third harmonics, the vibrations do not quite fit the supports.

SCHAPPELLER

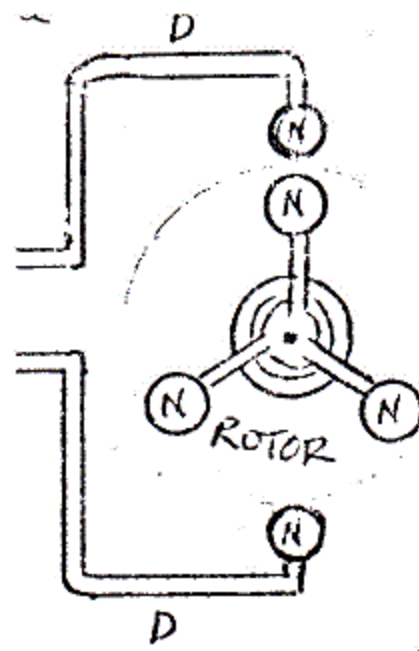
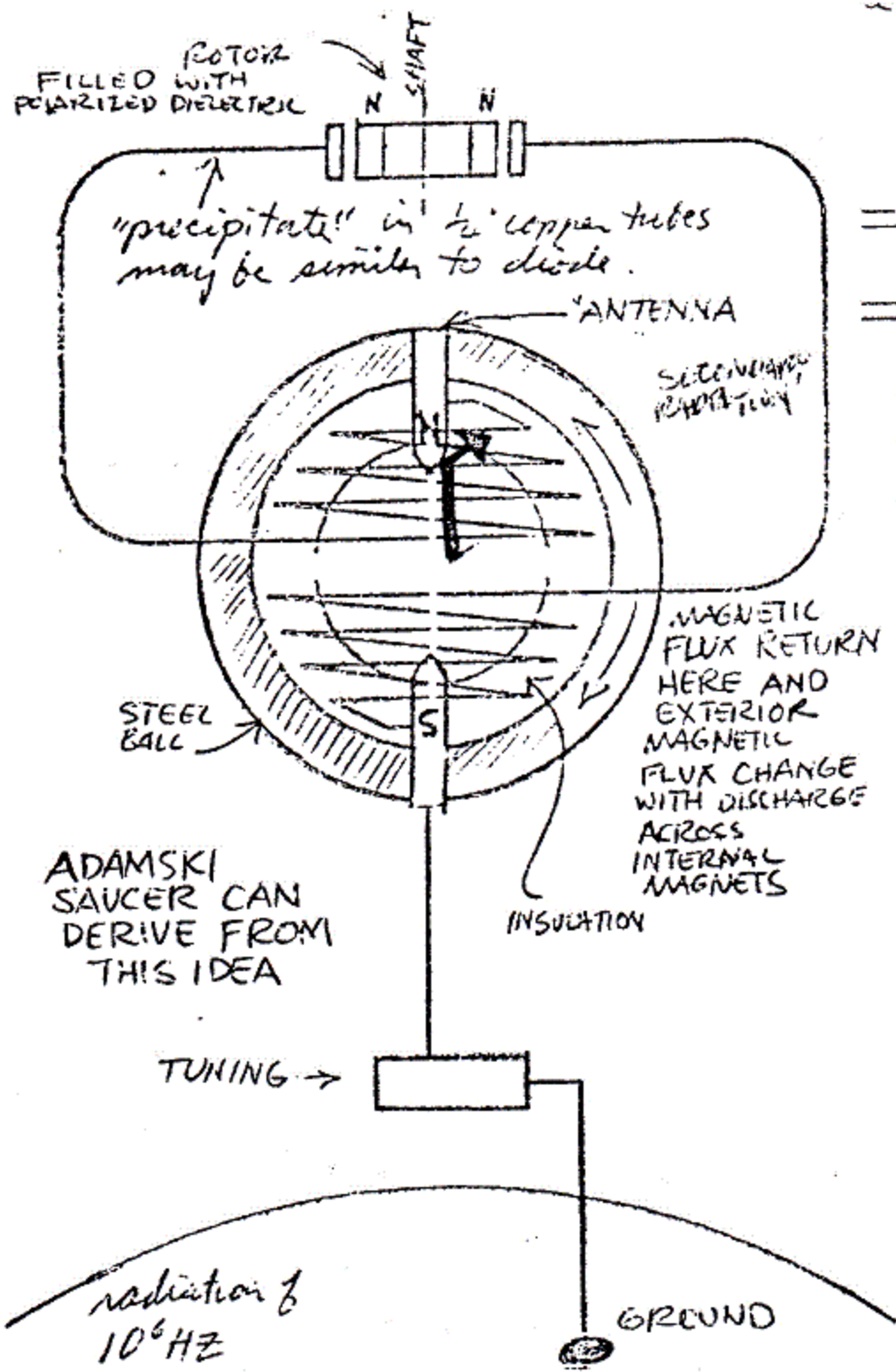
From a book of 1930, the device is described as a ten inch steel sphere with quarter inch copper tubing coils. These are filled with a material not named specifically, but which is said to have hardened under the influence of direct current and a magnetic field. With such polarization, it might be guessed to act like a dielectric in an electrolytic capacitor, and as a diode.

The same material is inside the rotor. The transfer of electrons upward, and the magnetic field of the sphere combine to turn the rotor. No direct conversion of this energy to electricity is described, but the rotor could be attached to a generator.

f

Principle: a neutral center, such as a magnetic gap places more stress on the air than usual. This area is larger in the air than in a piece of steel, so considerable outside force can act on it. Such a force can be dual-electric and dual-magnetic so as to cancel out its detection as either electricity or magnetism. Consequently, the air pulses, and its ability to carry current or to insulate changes. The pulse derives from the size of the Earth, and from its relation to other solar system bodies, and so on. Consequently, this is a complex pulse of one set of harmonics laid over another.

As a result, the static charge between the magnets piles up when the air insulates. When the external forces subside, the gap suddenly discharges. Because of that speed, the potential difference is overcompensated. If this is taken up by the



rest of the equipment, such as the discharge from one end of a toroid coil, an imbalance is set up again charging between the magnets, and held by stress due to the outside pulse, until released by the pulse.

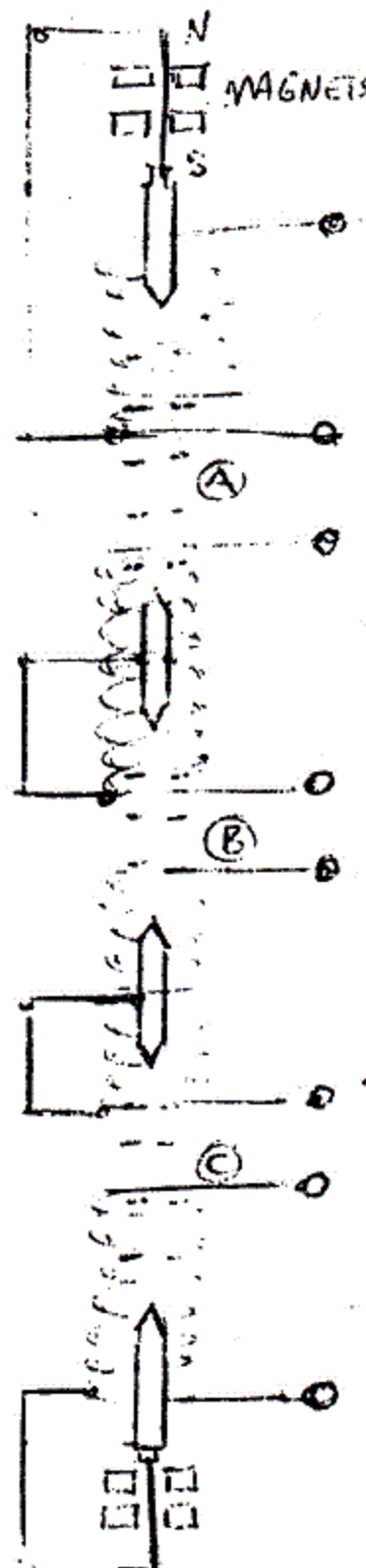
Apparently more of the external force can act if more neutral centers are provided. Also, the cupped hands of a person can increase the magnitude of the "avalanche."

Such an effect is considered as an accumulation of "the energy." The steel sphere likewise acts as accumulator, and so does the magnetic gap, and so do tapered coils. More "lines of force" than normal for a diffuse dielectric....sets up the geometry of a large area for outside forces to affect the lines of force, causing much more effect at the center. This can be considered as a positive central charge which, when increased to a certain magnitude can

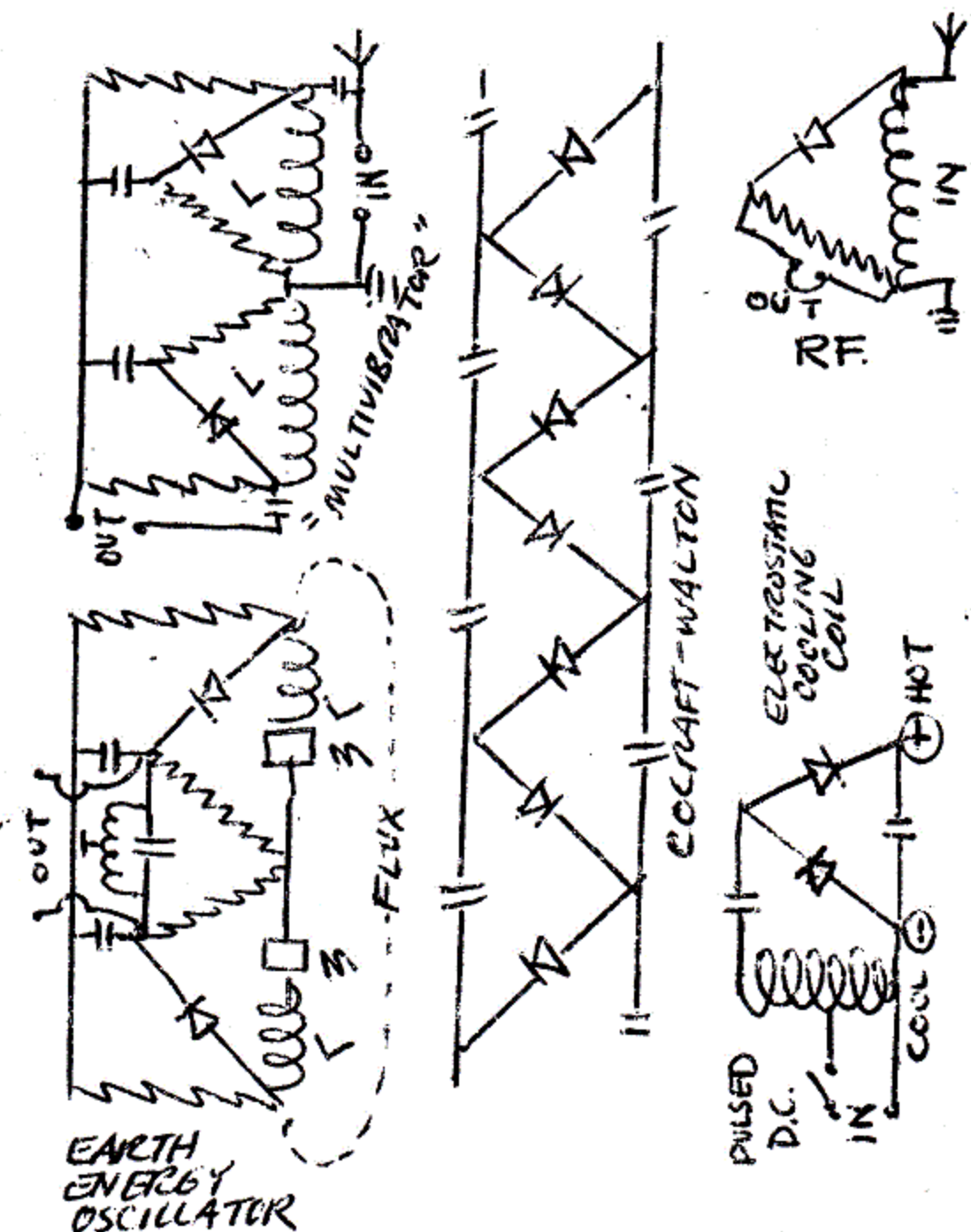
stabilize even if the negative forces bringing it in are removed.

According to Schappeller, the amount of this sustaining rotation of the device would be termed "glowing magnetism" and be located at the center of the sphere. Present-day terminology might be "plasma."

In the "Earth Energy Oscillator" pro-



VARIATIONS:

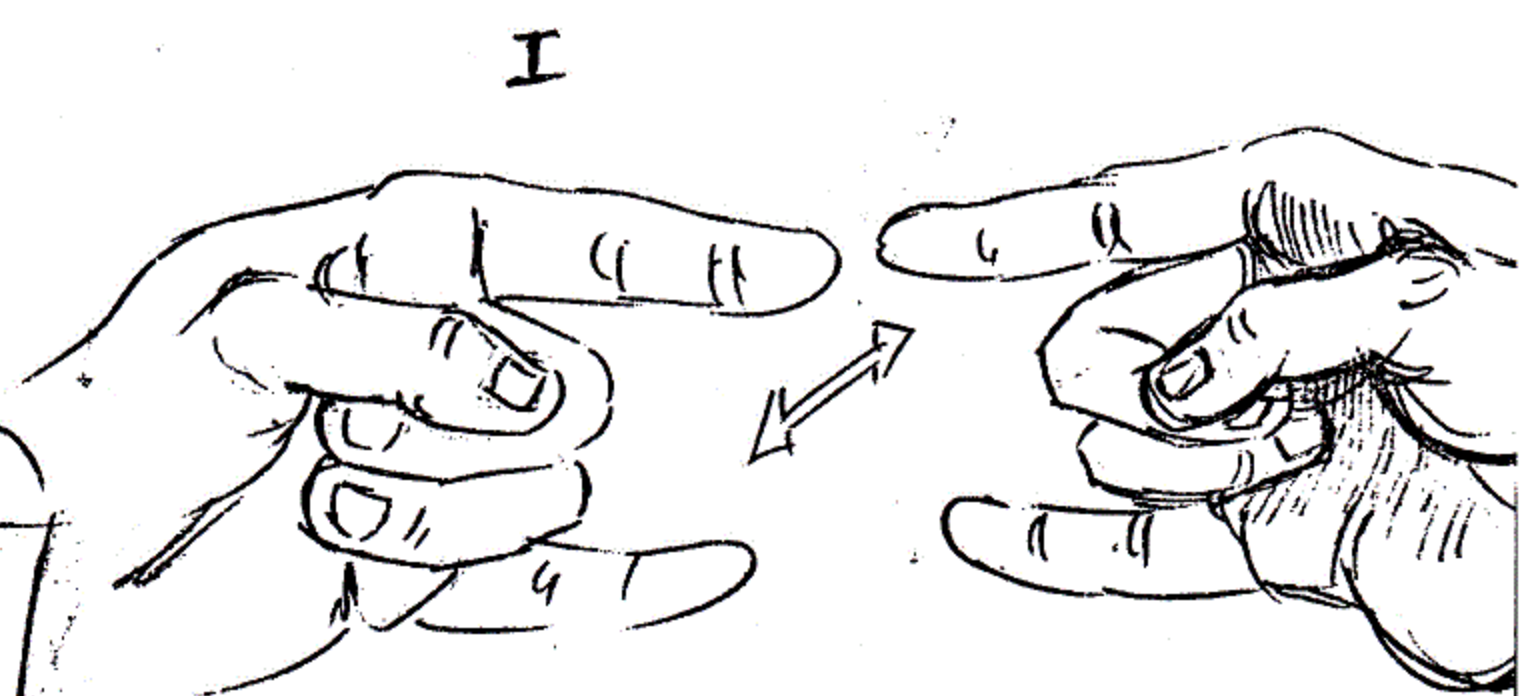
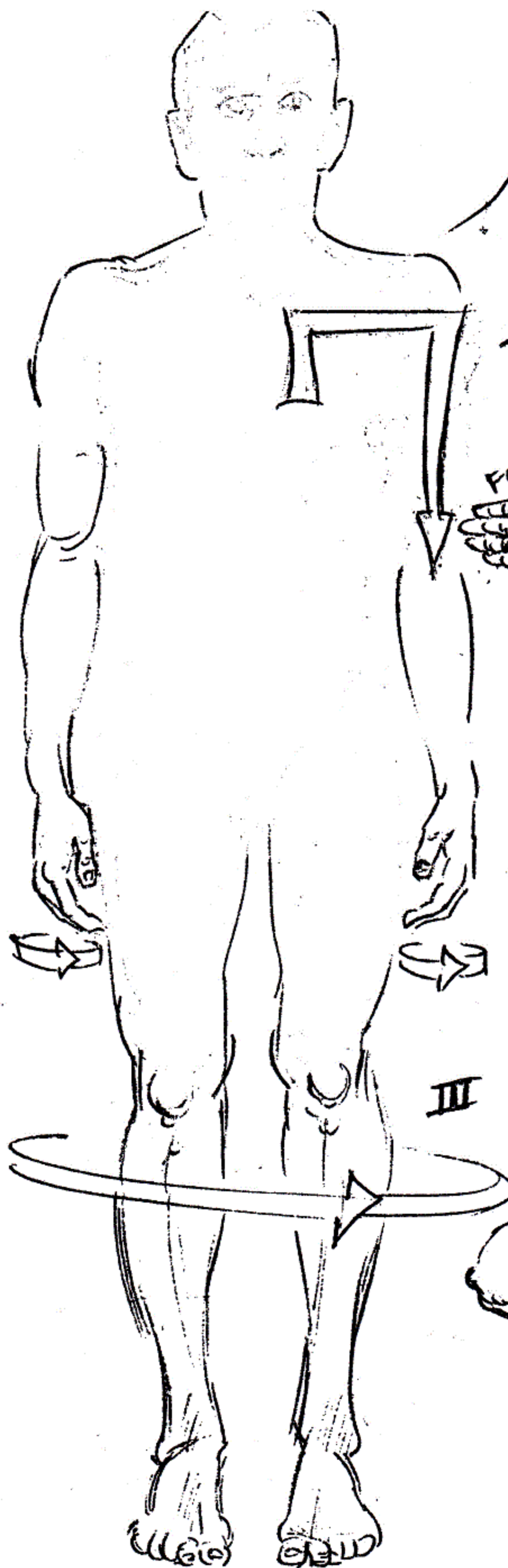


posed at the bottom of the (foregoing) page, the "T" toroid coil is in a positive part of the circuit. If this were wrapped around the neutral center, it would provide additional external stress pulse directed at the center. Also, if uninsulated at its circumference, could pick up electrons from the air. "Flux" in that diagram indicates that the coils shown directed away from each other should be aimed so the magnets face each other as in the Schappeller sphere. The column at the left shows stacking of magnets, steel washers, and coils to provide multiple "neutral centers." Cockraft-Walton accelerator, multivibrator, etc. are shown for a comparison of functions.

$F=ma-MA$ can also be applied: the slow forces would be the accumulation of electrostatic charge on the magnets. The fast force would be the transient discharge between them. Subtracting their difference, we find the Wattage produced by the equipment. This could be considered equivalent to the environmental forces acting on the "neutral center."

In the "Frogstein" interpretation, a + and a - matrix are present on both pole faces. On the positive face, the observer moves toward the positive energy and this situation is cold. On the negative, he moves away from the positive and this is hot. The exchange across the gap eventually restores equilibrium position for the observer, and all comes to rest. However, if in the rest of the equipment the exchange is converted to light or other electromagnetic signal, then the original ether stress persists. The harmonics of the gap were absorbed, but the non-harmonic Phi relations are still breaking down in smaller and smaller bits. The universe radius diminishes with these higher frequencies, so if the electro magnetics increase in frequency, or if speed of rotation increases, this is a consequence of + and - matrixes interacting over a smaller area. The amount of Phi power converted to electromagnetic or to rotation is a consequence of the average + and - matrix frequencies in the area. If high frequencies are developed by the device in a diffuse area, they are far from the circumference where high external frequencies are found naturally, such as this or that star, so much more effect occurs at the gap. The smaller universe area is at the same time the larger circumference. See the inversions in the Frogstein theory.

Whatever the school of interpretation, a situation is set up locally where energy radiated or turned into rotation is replaced by a resonant interaction with an external source. Even numbers, or harmonics, make for an "at rest" or neutral situation. Odd numbers indicate an imbalance or a state of motion with respect to an observer. A plucked string divides into even numbers, and its motion is the odd number. Planetary binding force is even number; gravity is the odd number.



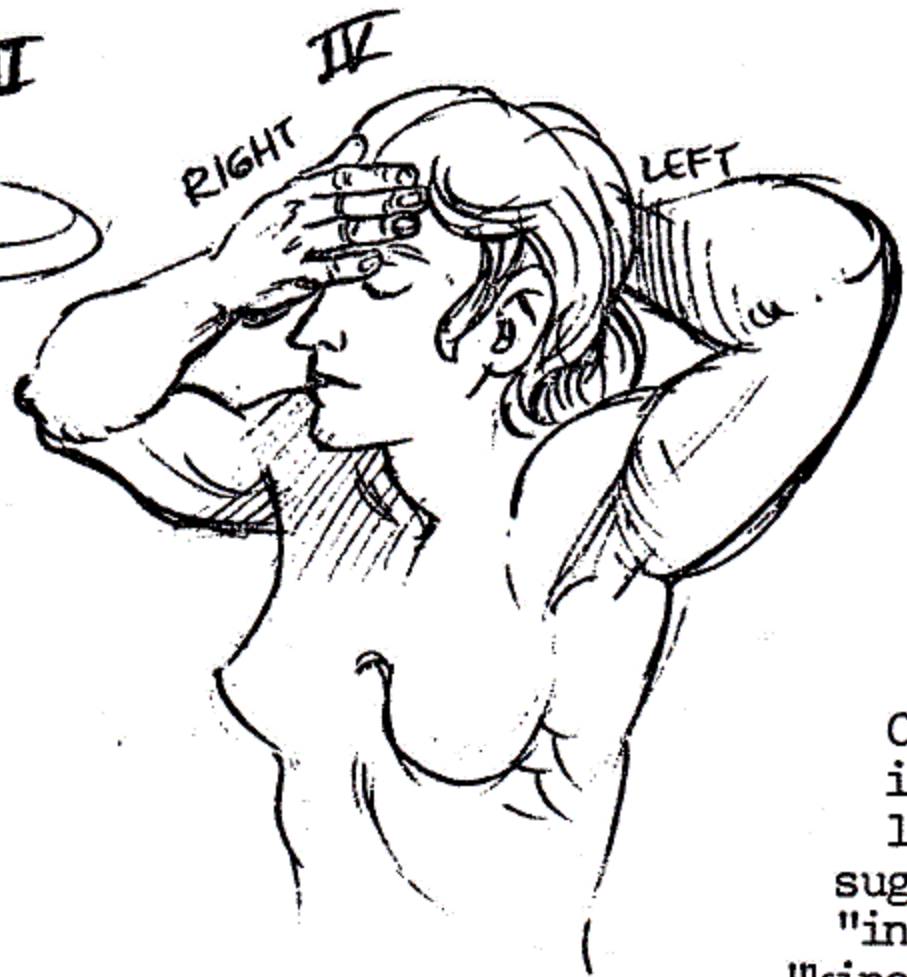
I. By holding one hand still, and the other fingertips 1/8 inch away, and moving the other, any energy which streams off the fingertips can be felt as a tickle in the fingers.

II. Energy can be drained by this method.

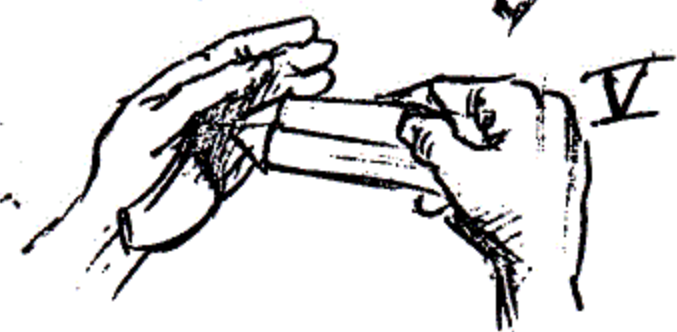
III. The polarity or "handedness" of the energy which shows why the hands oppose in figure one.

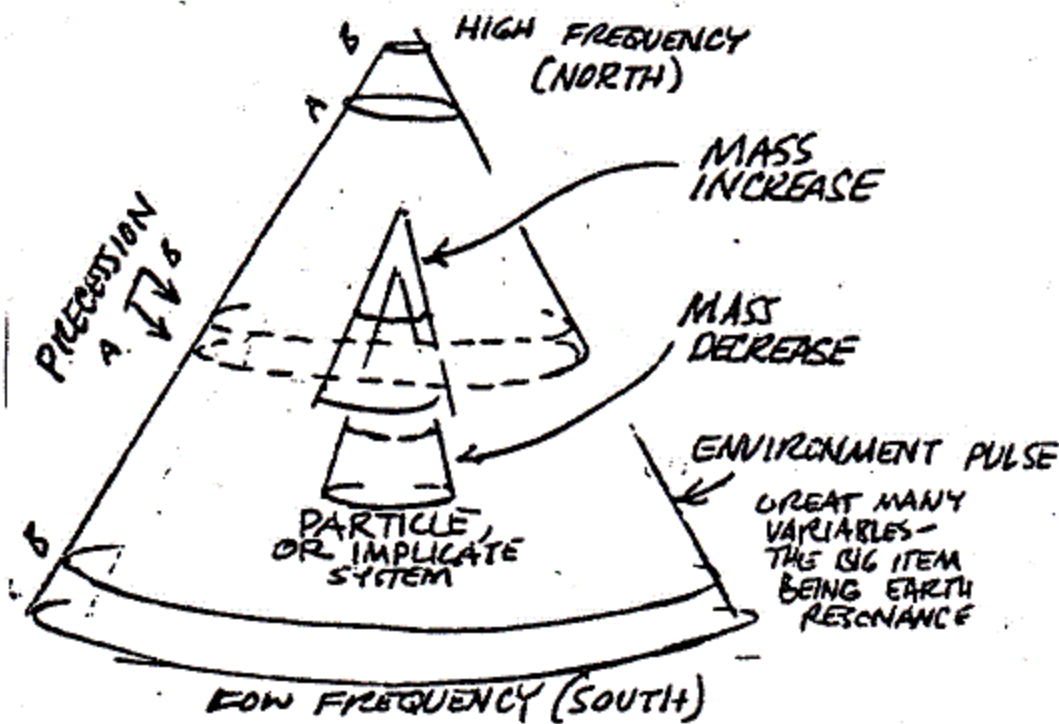
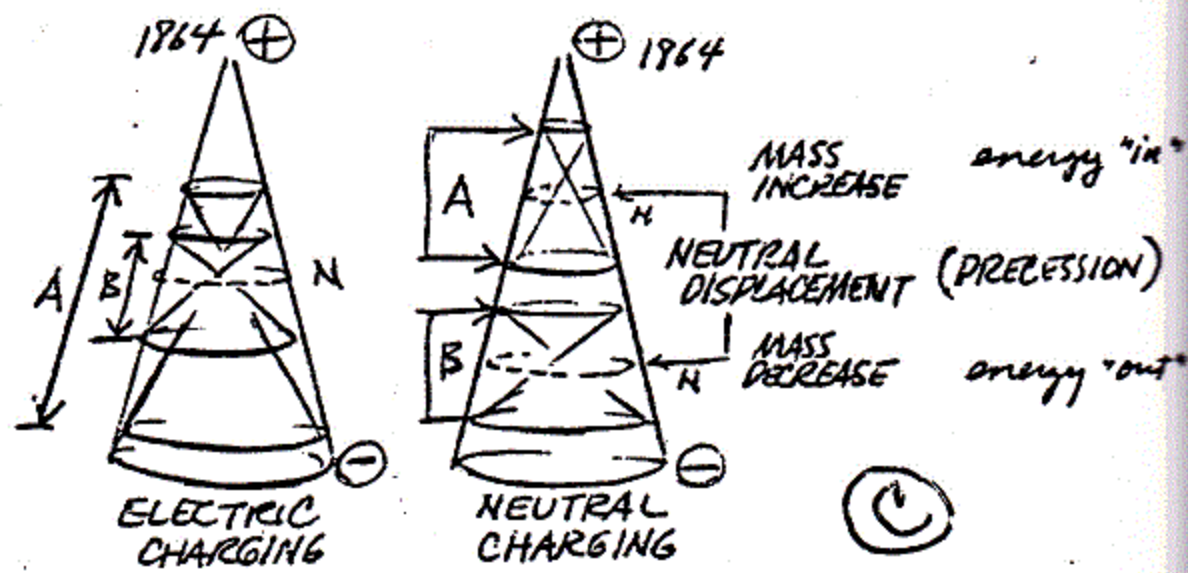
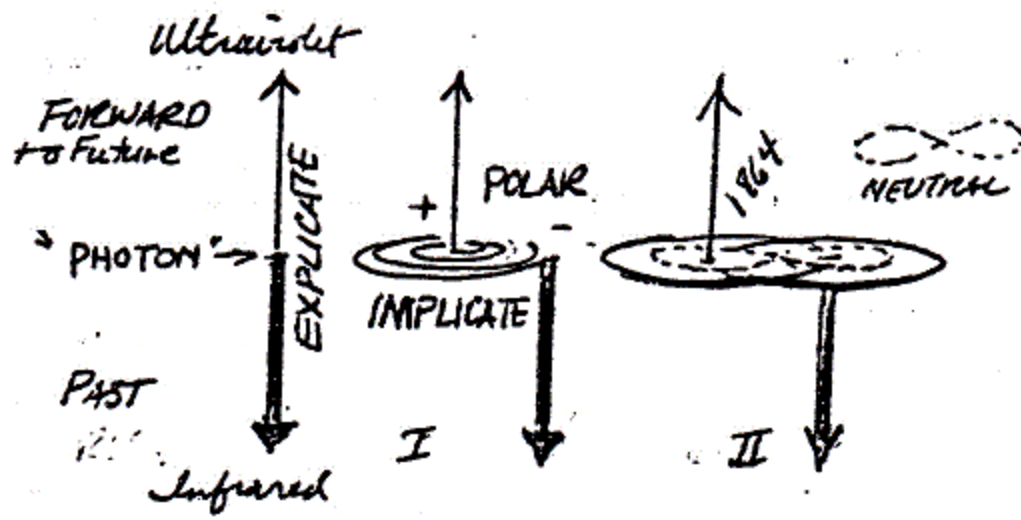
IV. The sensation in the head from this position is different from the hands in the opposite direction.

V. A two pound quartz crystal amplifies the energy. This has been known to J. G. Gallimore for a long time.



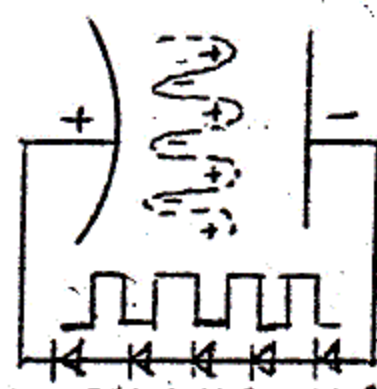
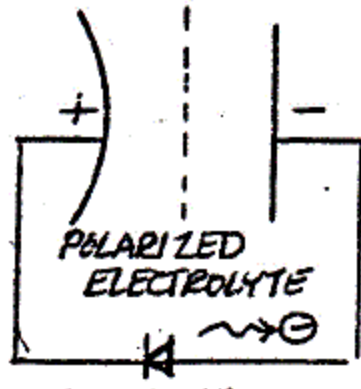
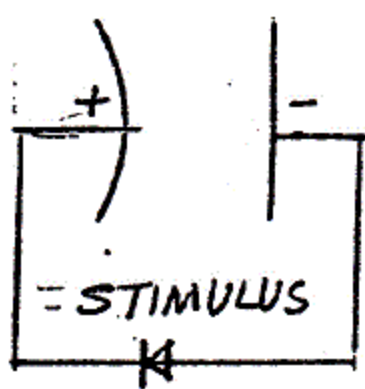
Nowadays, many of these demonstrations, and more are becoming widely known. Catchall rationalizations like: "auto-suggestion," "infrared albedo," "kinesthetic sensation," etc. are





A comparison of two types of capacitor charging. J. G. Callimore described a simple way to accomplish neutral charging: a 2 pound quartz crystal held in the right hand: the point directed at the capacitor.

"Feedback" between two magnet-coil assemblies accomplishes a similar very high frequency modulated by "Earth resonance" A steel container increases mass input.



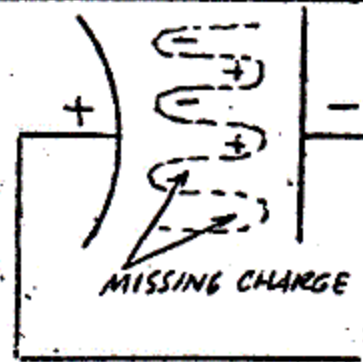
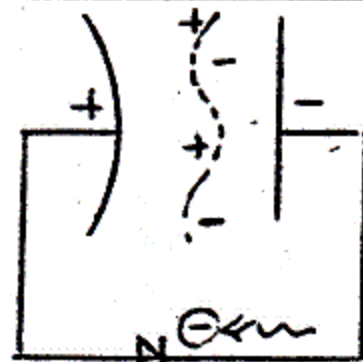
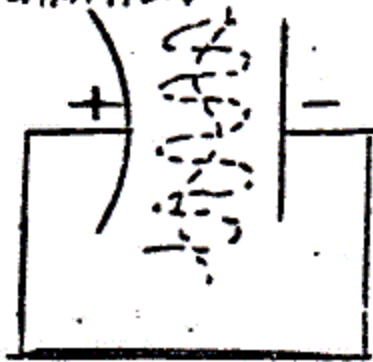
COPYRIGHT 1976 - John Bigelow Indianapolis, Ind

I. The charge is held for a while, being in increasing disorder.

TENSION

NEUTRAL CHARGE & DISCHARGE: ALPHA, 10 HZ - (excessive 10 HZ input hunts person; alpha state relaxes because it allows input to leave. One becomes one's environment)

RELAXATION



II. Variation in background neutral currents "jiggles" implicate charges to align with polarity of the dielectric - and capacitor discharges. (This is assumed to be eventually atrophic as the dielectric loses polarity + magnetic demagnetize)

A fundamental question becomes: "are neutral currents entropic? - does the Galaxy eventually cease its progression 'Northward'?"

Polarization might be considered anti-entropic; but implicate is apparent entropic. Since both are the same, the question is not resolved.

falling by the wayside.

The problem for all of us is what to do with this energy, not to mention our other gifts. In natural surroundings, in primitive society, such mysteries are usually not questioned, and perform their functions. In most human situations, however, this oneness with the environment is bottled off. Tensions mount to uses which are not constructive.

THE ENERGY "X" ITSELF

Advanced technology has always been associated with the psychic. Something new or clever is outside ordinary human experience and gets classified with all other outre.

Each device or effect is seen as something distinct and separate. The man who understands principles of operation of many things will tend less to mysticize, and see the connections between a particular gizmo and the general mechanisms of the universe.

However, the majority of people live in a never-never land where they don't want, and simply can't understand principles of operation.

Superficially, many of the items working via the Ubiquitous Energy appear fantastic. From mundane experience there is difficulty in having any faith in these things. They are indeed miraculous, but only as life is miraculous.

Some of the basic difficulty is built into the effects: euphoria. Such an emotion as induced by crystal growth (Gallimore), or the legendary alchemical egg process, is the "Alpha" ten cycle brain wave which suspends disbelief. This state of joyful acceptance of all things is helpful to the individual's sense of well-being, but doesn't help when he wants to switch to a critical state of mind.

Criticism and testing; the calculating side of the brain is the side which looks for proof, or for defense. We are not, though, as a majority, coldly calculating or logical: we will accept razzle dazzle and big explosions as proof. This is hardly detached, unemotional, objective. But for one thing, theatrics catch our fleeting and well-insulated attention.

I always found the electronics concentration on low voltages and subtle effects to be annoying. Then, after playing with ten thousand volt displays, and ionizing radiation and having my skin flake off, I see that the subtle effects have some virtues.

Although our tendency is to deny principles in the less spectacular effects for the foregoing reasons, principle is unquestioningly demonstrated in explosions. We might never open our heads enough to accept the principles, but there is no denying the bomb.

The problem of describing psychic effects is historic. If we make with the story of the superficial appearance, which can be understood by the majority of people, this tends to be sensationalist and doubtful; but technical description of the essential principles which tie together all natural phenomena; this becomes generally incomprehensible because of the specialized vocabulary. There is still no consensus on terminology....it just grows....

Unique status for "the energy": The approach taken by Gallimore, to study the energy, and not just separate, entrancing effects is direct. This is a balling together of a variety of fields of interest usually walled off from each other.

This conceptual device is necessary because of the semantic problem: One, the separate effects have separate names. Two, the separate energies have separate names derived from the separate effects. Three, these studies of the energies are connected by mathematics, although this still raises such problems as a generation or two thinking there is no ether just because it wasn't needed in the formulae. These separate studies have evolved from a primary art-magic-physics-religion to the present-day confusions, which are actually separate technologies masquerading as branches of science. Four, the inconsistencies from separate personalities who evolved this situation (leaders and followers and politicians) are ironed out by scientific philosophy. This dependable philosophy is actually engineering.

GALLIMORE'S UNIFIED FIELD THEORY

J. G. Gallimore's approach to his field of research is very direct. He will tend to describe a complicated process as simply putting a thought on an oscilloscope.

If the reader has already been poking in the psychic and electronic, or theoretical physics, it won't be too hard on him; but the rest of us will just have to get our breath back.

In the Handbook of Unusual Energies, there are specific diagrams for equipment so a person like me can run out to the electronics store, hook the stuff together, and experience. If two pound quartz crystals were easier to obtain, people could experience the energy from an object and not worry that it might be their imaginations.

Well, technology marches on despite our tendency to retard progress, and we will have to accept the miraculous. The devices are, among other things, enjoyable, and we're fortunate J.G. put aside his reservations about letting the knowledge out. The energy can be dangerous, but the Knowledge which is gained in experiencing it changes that condition.

For example, the author notes the state of mind which accompanies the growing of crystals. May everyone experience it.

Jerry Lyst wrote articles on the 1975 and the 1976 Radionics conferences. These were published in The Indianapolis Star, April 22 to 25, 1975, and June 23 to 25, 1976.

These conferences were organized by Gallimore, and brought together people from around the world who were interested in Radionics and related studies. I sat in a corner and discovered what this stuff had to do with flying saucers. "By golly," said I, "this has to do with a lot of things."

Ubiquitous energy having to do with everything relates crystals, magnets, people, and philodendrons. We can have our little joke about talking to plants, and leave it at that; but it is possible to find out the subject of discussion and actually have it.

Although "it" has to do with everything, it is still a specialized field of knowledge, when one realizes that Knowledge is specialized. The last Radionics Newsletter came from 1107 N. Drexel, Indianapolis.

Another periodical in the "energy" area is Pyramid Guide, El Cariso Publications, Box 176, Elsinore, California.

ACTIVATED WATER

When water, or colloid suspensions in water are subjected to ten cycle per second electric current, the water picks up more energy than is put in by the charging equipment.

Biological Transmutations, 1972, Beechman Press. The author, Louis Kervran also describes nuclear transformations which occur in plants. These creations of one element not present in the soil by transmutation of another element has long been a mystery.

Disturbing to many of us, is that this organic process, and the Zodiacal conditions resemble the legendary work of the ancient Alchemists. If we felt by intuition that the process was correct; here is sober present-day science in support of our romance.

The conditions for the activated water, and for the transmutations are not laboratory ideal. These processes cannot be isolated from the total environment, set off and sealed, and driven by big bang pyrotechnics, to thrill the crowd. The required conditions are the actual, subtle workings of nature; and demand that we take a perspective which incidentally exposes habits the human race is more given to ignore.

That people ignore their true natures is evident from diet, among other things. We tend to think we can eat all manner of substances and still retain perfect health. The extreme ignorance in this area typifies all the rest. It's a shock to a person to come to some of these realizations, and even in discovering the facts, we are likely to ignore them in favor of old habits.

Boron, Carbon, and Oxygen, plus Hydrogen are involved in the major biological transmutations. Back in the "Frogsteinian" investigations I found that the most numerous biological elements are HCNOPS (hydrogen, carbon, nitrogen, oxygen, phosphorus, and sulphur). Sodium and Potassium could be added as significant in the "pump" of cell metabolism. Now, with Kevran, we have some more illuminations, and find that Nuclear changes which we'd been told can happen only in particle accelerators, are actually taking place in us!

Another transmutation getting into the fun of magnetism, is the addition of hydrogen to magnesium to produce iron.

Kervran's book goes into more detail on the transmutations than this, and reading it will give some idea of the clever thought processes involved in the chemist's discoveries.

OCTAVE PERIODIC CHART OF THE ELEMENTS

The tendency to separate things on the superficial basis of appearances leads to a situation where the individual is a victim of a very confusing reality. We make a useful distinction between hardware and software, since they after all are separate; but carry over from the Victorian age, the appearance of mechanisms saying that atomic structure is not organic. Analogies can be constructed: working models in physical circuits, which respond like chemicals. The control significance is that some simple constructions can concentrate energy and frequency so nuclear transformations can take place similar to those accomplished by living organisms.

A bridge between the large and the small is suggested by Walter Russell's octave chart of 1926. Octaves appear in music, in radio, and so on. This means that large arrangements of low energy can have an effect on the much smaller size particles of high energy.

Orthodox science has to be slow in accepting such theories, so the conventional periodic chart has many gaps. Russell gave names to all the isotopes, whether known or not, thus predicting at least three elements since confirmed by science.

The first, second, and third octave of the artist's chart are not recognized as elements, but may be atomic particles. Marking the boundaries of the rest of the octaves are: Hydrogen, Carbon, Silicon, Cobalt, Rhodium, Lutecium. The full list of neutral elements are: Alphanon, Betanon, Gammanon, Helium, Neon, Argon, Krypton, Xenon, Niton.

The elements such as iron, copper, and zinc are relabeled isotopes by Russell. This of course will take a long time before it is acceptable to science, but the arrangements may be appealing to alchemists. The details of these insights are given in Atomic Suicide, 1957, University of Science and Philosophy, Swannanoa, Waynesboro, Virginia.

Two arrangements are depicted, the second a spiral form. One line across this spiral is the inert elements. At right angles to it are, from the outer edge: Lutecium, Cobalt, Carbon, Quentin, Tomion. From the center out: show progressions of decreasing or increasing electric charges, and contraction-expansion heat effects similar to Schappeller. For example, from Rhodium toward Xenon there is decreasing negative electric charge associated with decreasing heat from radiation and expansion. From Argon to Cobalt is increasing positive charge, and contraction heat. From Carbon to Neon, there is decreasing negative and cooling by expansion. Then increasing heat and increasing positive charge from Neon to Silicon.

Both differences from, and similarities to scientific mainstream can be noted. One comparison possible is between quantum chemistry and Russell's arrangement. Quantum predictions very far beyond the simple hydrogen atom become a severe problem. A simple analogue in electronics is impedance changing when two circuits are coupled by inductance. The primary circuit is affected by the load circuit, so that the combination is different from either circuit operating separately. When there are more than two circuits involved, the interdependence becomes complex.

Combinations such as Kervran's Boron, Carbon, Oxygen show up in the Potassium location in Russell's octaves. Aluminum and carbon in combination would also show up there. This can be carried out from data already established in nuclear laboratories, and Russell's chart should point out why some reaction takes place in one order, but not in another.

PSIONICS, BIOLOGICAL MONITORS, TRANSDUCERS

A portion of the brain is traditionally designated as devoted to psychic experience. This means dreams and other cross-associations and mysticisms. Actually, the entire organism is affected by the psychic.

The varieties of ways things are affected by the psychic is due to their material make-up. The simplest distinction is electrical resistance. A wire can contain along its length, a variable resistance. This will change the timing of impulses along the wire. This is also the dynamic impedance, another measure of the reaction of material to vibrating force. By changing the size and number of reacting units, a complex is tuned to certain spectrums of force.

The brain, especially, being a suspension of charged particles in fluid can react to a wide spectrum of influences, and form images according to the stimulus. Our five senses are formed of cell material primitively the same as the brain's cells,

but structurally tuned to limited spectrums. It follows that there exists a great deal we cannot see, hear, touch, smell, taste. However, our mind can react to things beyond this limited spectrum.

In the first place, the senses are transducers, resonating with a certain spectrum and changing this to the pulses understood by the brain. Beyond the senses, we can take lenses, amplifiers, other equipment and change spectrum beyond our senses to impulses for our senses.

Since the brain cells react primitively beyond the tuned senses, they can form images from environmental stress pulses. These are archetypes from our organic past, and are universally identified as specific entities. There is some haziness in this, but over a long period and over many individuals, the pattern emerges.

If we gather information from occultists, and combine and average out, a pretty good, almost reliable system emerges. This is very compelling for some minds, but as has been said: some flip out over a cookbook. Often seven planes of existence are mentioned, and we can imagine them separated as television channels, with the scanning beam at the lower end of the band, and the picture signal in the center, and the sound at the top. Thus we can also imagine that on looking toward the entities of less density, we will see their scanning beam first, which doesn't give us any information about their picture.

I've placed a lot of emphasis on staccato as opposed to continuity when talking about anti-gravity and other devices. Quantum theory has considerable virtue, and I will give my opinion of moving from one "plane" to another. Very simply, the voice signal of radio does not have high enough frequency to hop any distance off the antenna. It must modulate a higher frequency which can go jumping off the antenna.

Even more simply, the opening or closing of a telegraph key is not frequent enough to hop off the antenna. What is done, is to have an oscillator vibrating over several thousand times a second. A distant circuit tuned to respond to that signal will do so. However, there is yet no intelligible signal. Opening and closing the key in a specific order carries the message.

There is, further, the possibility of drowning out that signal with a stronger one from another station. Sharp keying, no matter what the tuning of the transmitter, has elements across the entire electromagnetic spectrum.

If we form a very strong magnetic stress, and in fact several crossing each other, and "key" them, we can experience the disappearance of people and objects. That is, our reception of their emanations is blotted out by the other signal. This is even more complex, because they, too, are being modulated by the pulsing field. In a complex overlapping of signals some regions will be very different in content from others, and will be a different spectrum to which another region cannot respond.

What I'm talking about occurs naturally, even though no magnetic field seems to be present. Two self-cancelling magnetic fields are still "there" but are a stress we describe differently. Pulsations of one sort or another are more acceptable as fact with the development of biological monitors which pick up a great variety of patterns.

In a loose comparison of levitation and simple radio, the ship is the voice or information signal, and the Earth is the antenna. The force lifting the ship is the "carrier." The ship is a much higher resolution of information than voice. In television, we can transmit a more superficial or less resolved data on the

"ship shape." Using holograms, we can step that sophistication up.

These sorts of ideas show a far-fetched concept in which we foresee the principles of teleportation and duplication. On a practical level, with easily built devices from available electronics parts, we can experience crude examples at work. Once the principles are grasped, perhaps we can advance them toward greater sophistication. Several radionics detectors, amplifiers, and transmitters are shown in Gallimore's book. Since the 1930's, humans have been used as part of the circuitry, and this gets us into a problem of objectivity. Unless the person working the machine has an understanding of radio, he can run up against the problem of taking readings from equipment which is non-functioning.

As the reader may already have grasped, the equipment is not necessary to an adept, because he is all the circuitry required. This puts the radionics in the problem area of all psychic phenomena. However, several items can be put into the circuitry to replace the human, so he can sit in the corner and radiate criticism while tuning the equipment so his opinion doesn't show up on it.

Many people want simply to acquire the equipment and then go into helping people medically. It would be better if they could take just a couple of weeks and build several simple radio transmitters and receivers in accord with standard technology. It really doesn't take long, and then they can rest assured the equipment can be checked objectively.

In the matter of transmitters and amplifiers, in UHF the principles of construction approximate radionic requirements. A cavity resonator is both amplifier and transmitter. If the Orgone box is considered in the light of this widely established technology, the experimenter can conceive extremely powerful equipment which leaves no doubt as to its functioning. By working with some radar, etc., the builder will learn caution.

While the higher frequency of radar, etc., are tuned to a specific part of the spectrum, the equipment we are conceiving for our uses is "multiband"...it travels the entire spectrum, let us say, from sound to centimeter wave, to nano wave. When the series of inductances and spark gaps of the multiwave oscillator are keyed harshly, they penetrate widely in the electromagnetic spectrum.

Asymmetrical crystals exhibit more piezoelectric effect from given stress than symmetrical

Quartz, Zinc Sulfide, Rochelle salt, tourmaline,
 Ceramics: barium titanate, lead titanate-zirconate
 Sodium potassium niobate
 Lithium tantalate, lithium niobate

Slicing up Nature: (X) plate is used for expansion or contraction in the thickness direction.

(Y) expands and contracts in length direction when electric field is in X direction.

(Z) for low temperature variation, high "Q" on resonant frequency. The shear force is evident on the surface when field is applied in thickness direction.

Frequency control: 8 MHz, .008 inch thickness, driving circuit oscillates at exact frequency. Stability is .001% Possible range of use is 1 KHz to 100 MHz

Filter networks: width of frequency pass band is usually .4% of resonant frequency.

Light modulation: large number of channels can be transmitted over coherent laser beams. Potassium dihydrogen phosphate. Cubic crystals: light direction and applied field are at right angles to each other. Copper chloride, zinc sulfide, lithium niobate, lithium tantalate.

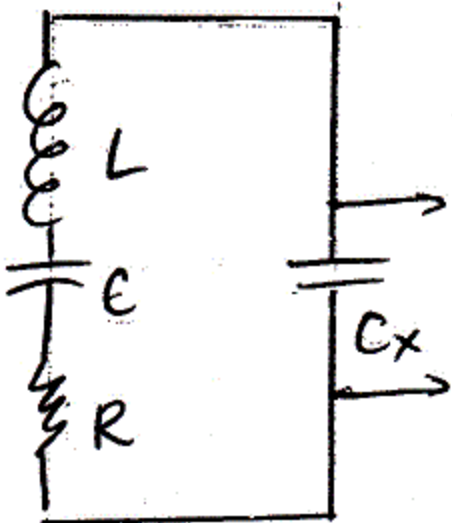
RESONANT APPLICATIONS.

Equivalent circuit. 450 KHz, L would be several Henrys, and C only hundredths of picofarad. C_x represents capacitance of crystal + holder plates. Shows how crystal acts, without a crystal.

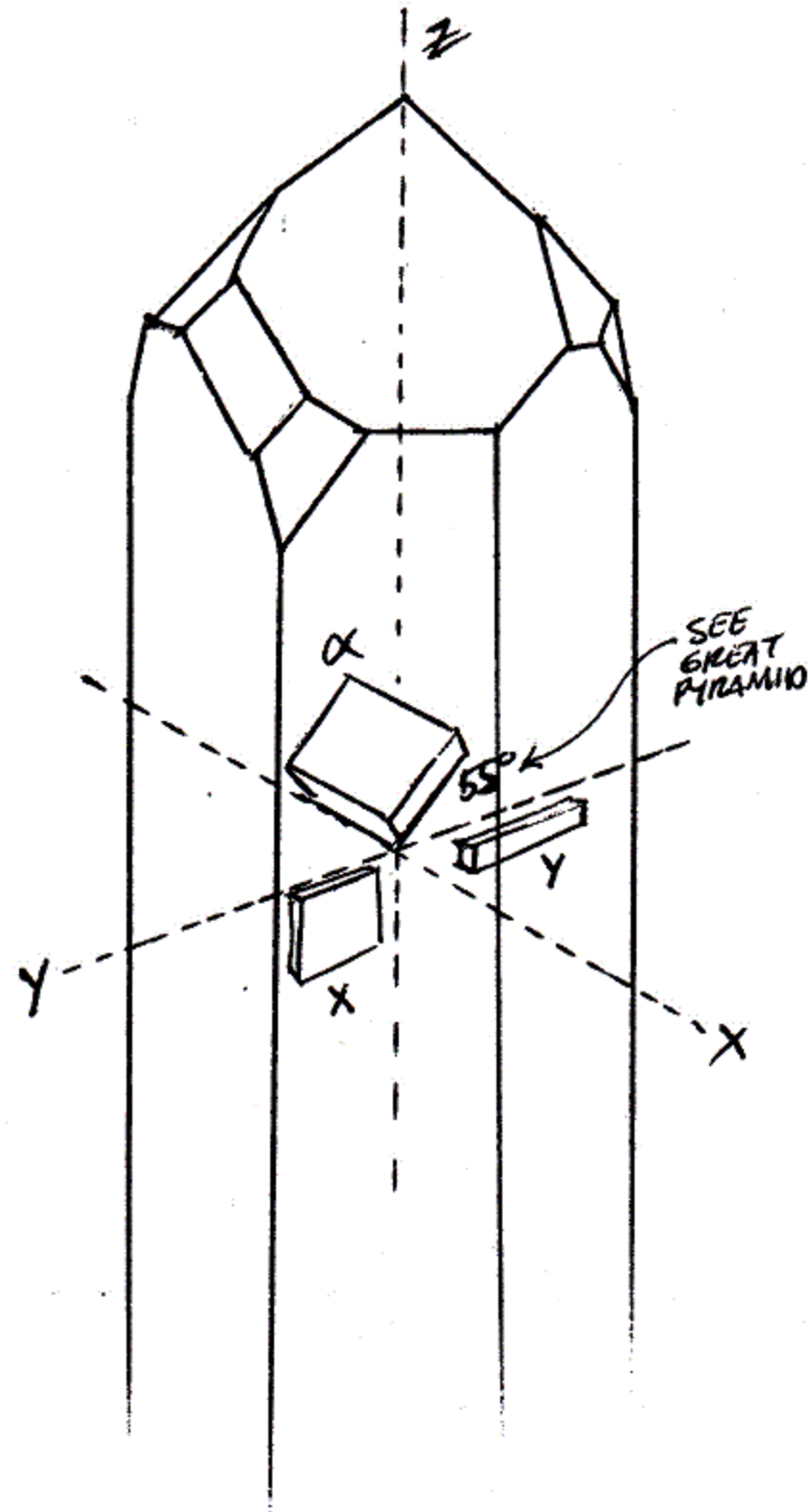
Series-resonant freq. circuit impedance = R as long as C_x reactance is high (simple resonator)

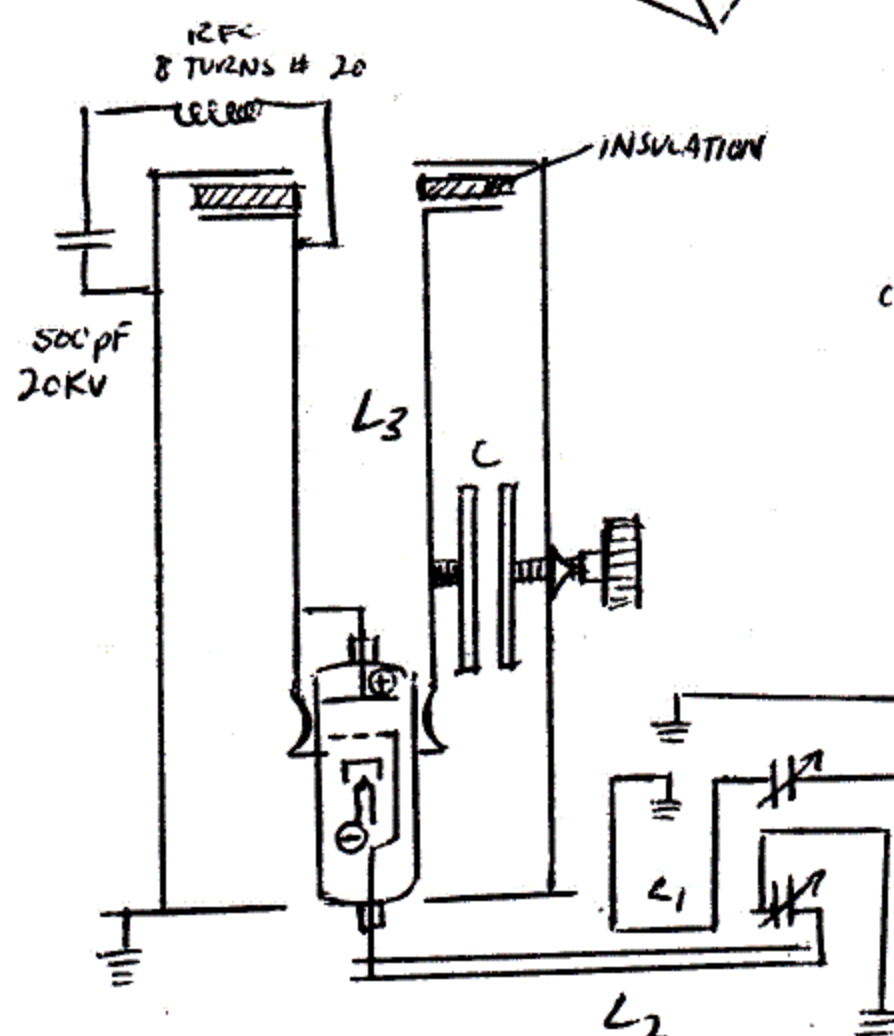
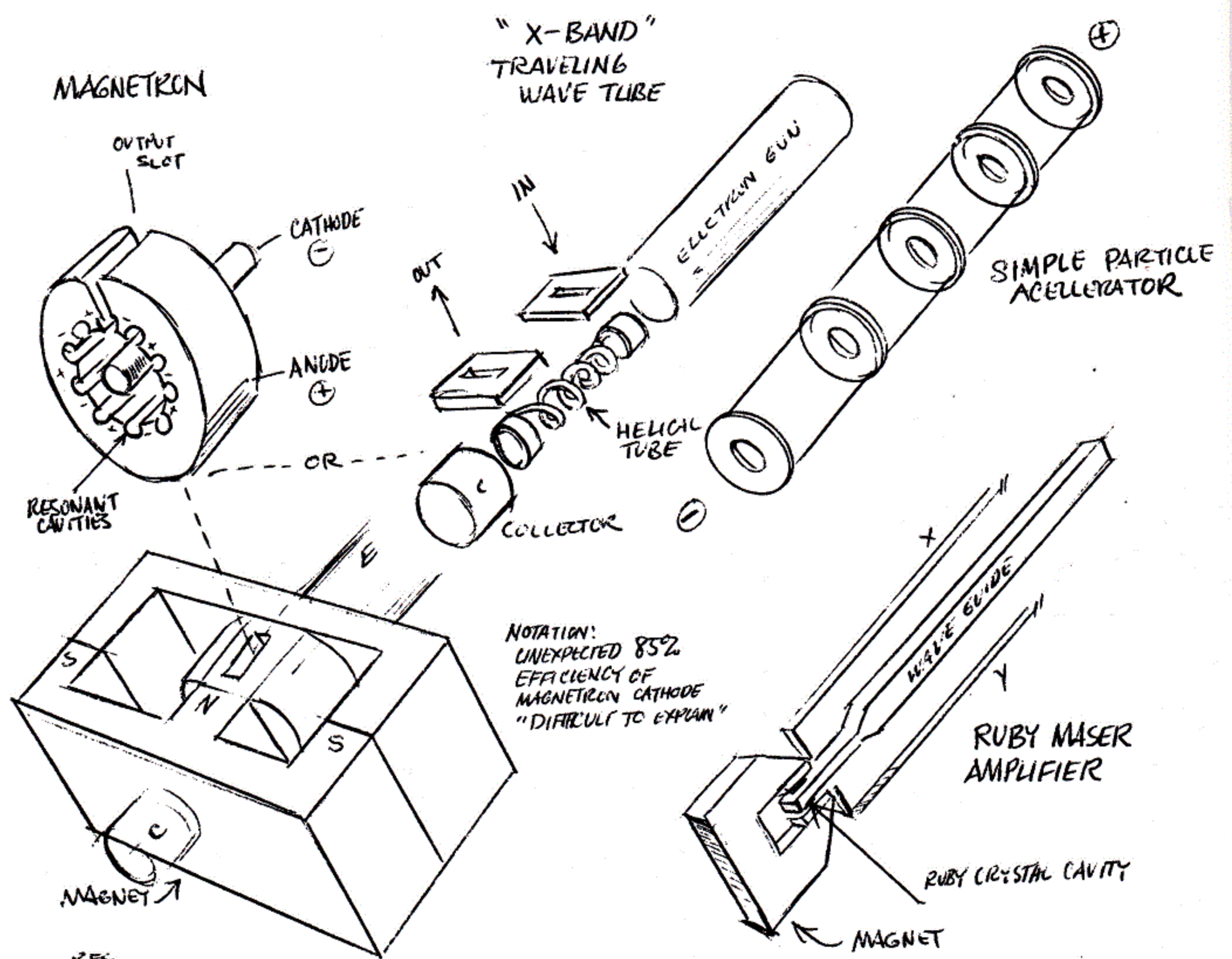
Parallel-resonant freq. L and capacitance of C, C_x in series. (control of oscillator circuits)

Separation between these two resonant frequencies depends on ratio of C to C_x

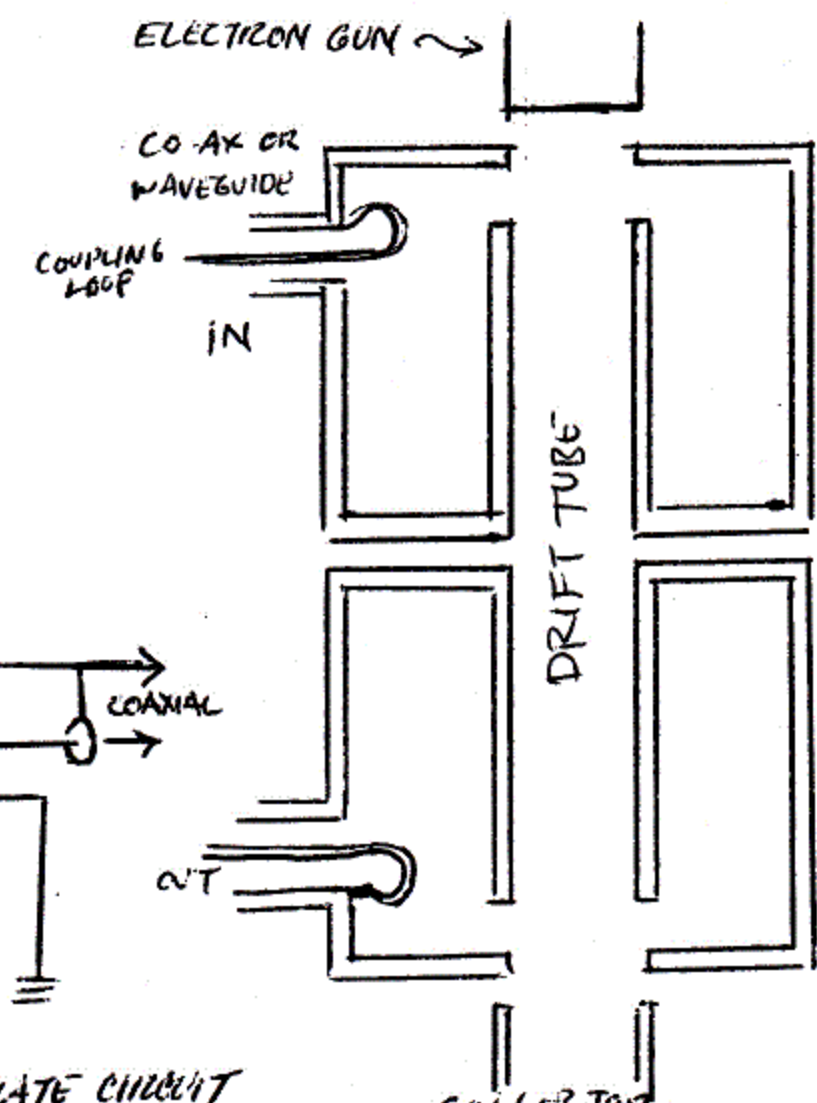


ATTENUATION: When a crystal passes a great number of frequencies, the result of individual attenuation of each harmonic must be added to the attenuation of the other harmonics. This sum of all background radiation is emitted from the tip of the intact crystal as a very high frequency beam.

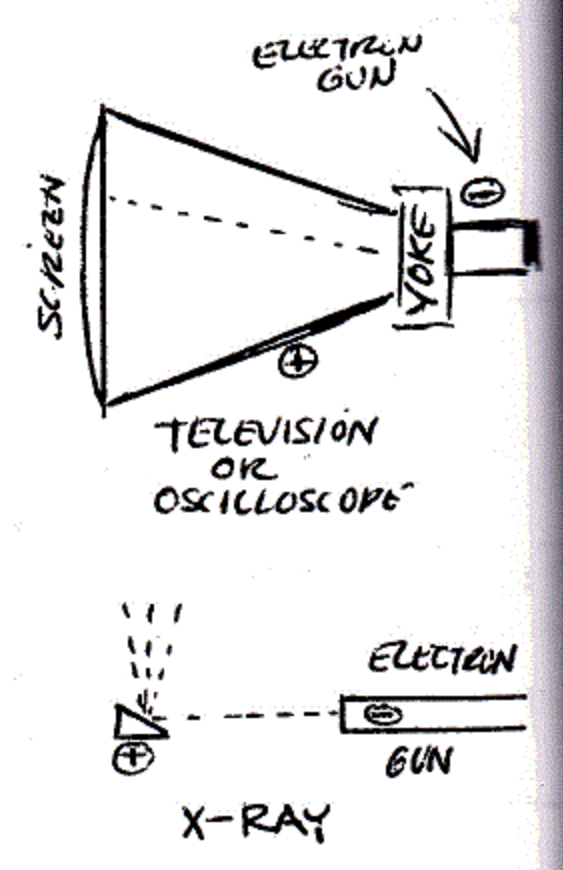


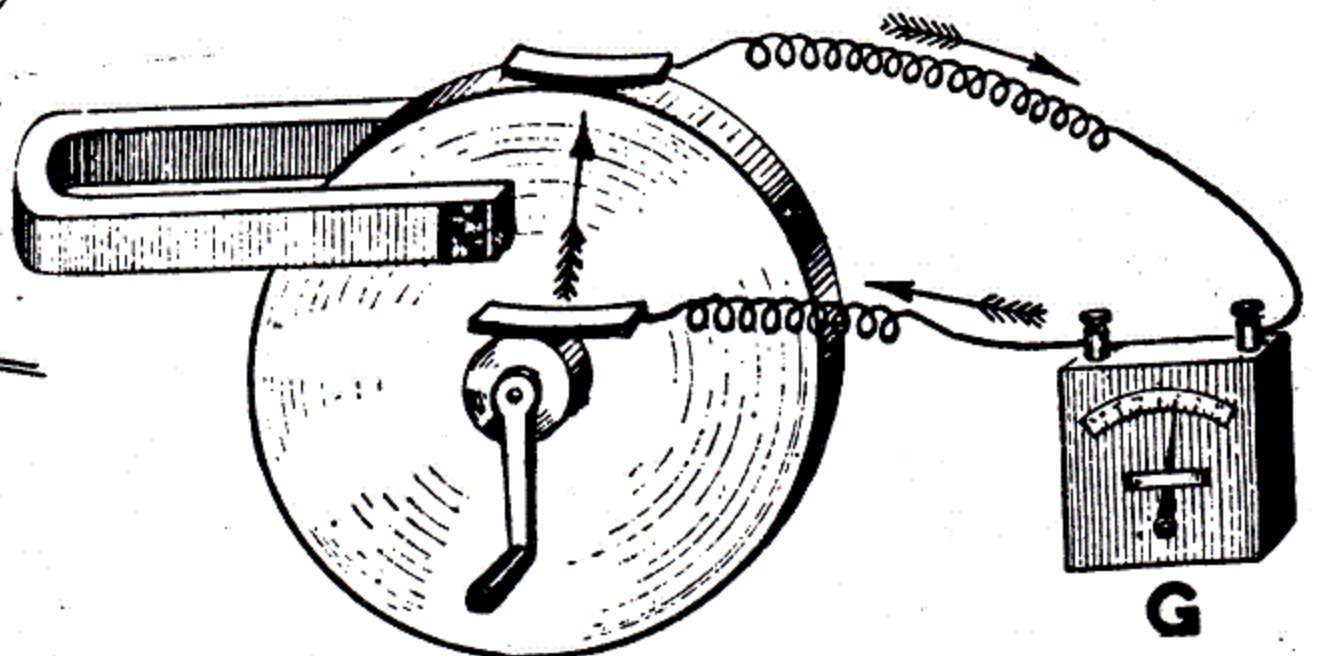
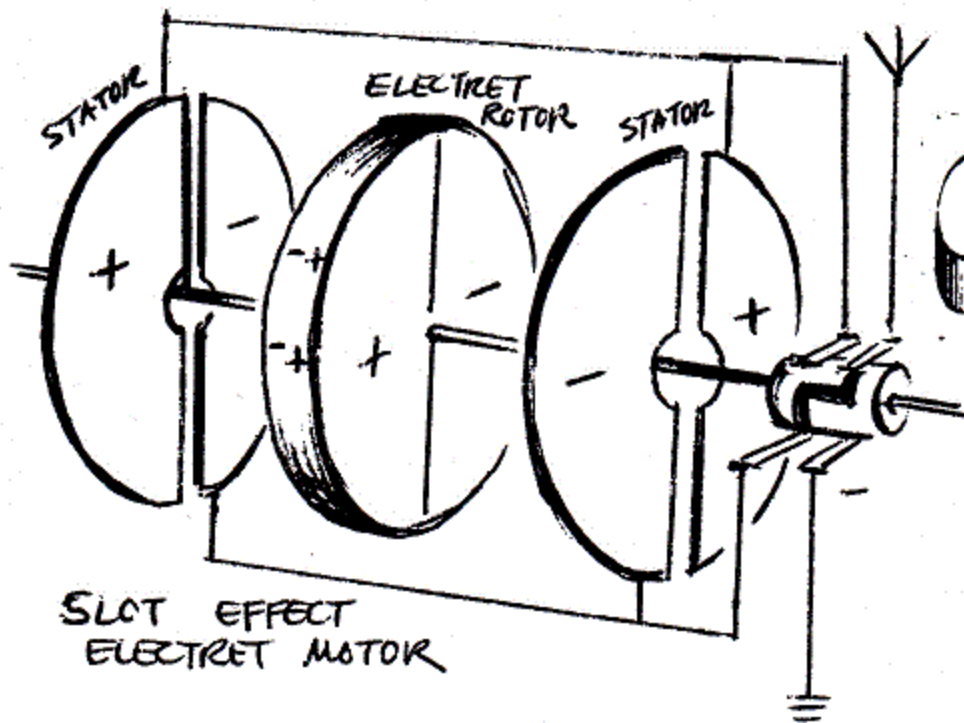
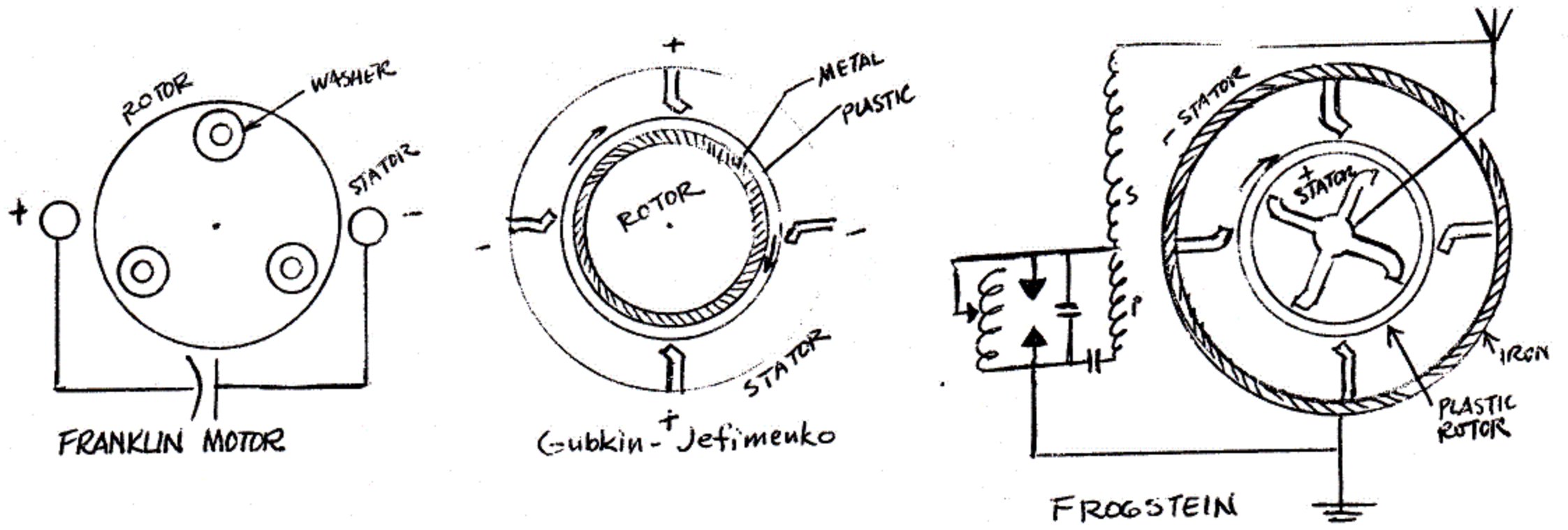


430 MHz AMPLIFIER, COAXIAL PLATE CIRCUIT
L3, TUBE INDUCTANCE
L2, STRIP LINE INDUCTANCE

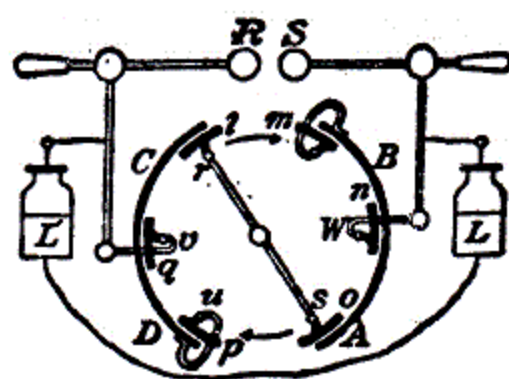
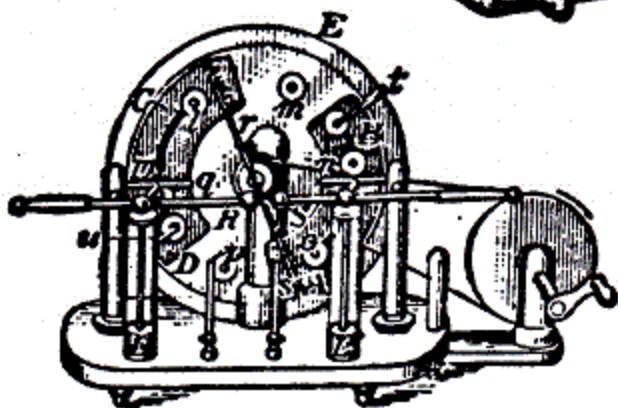
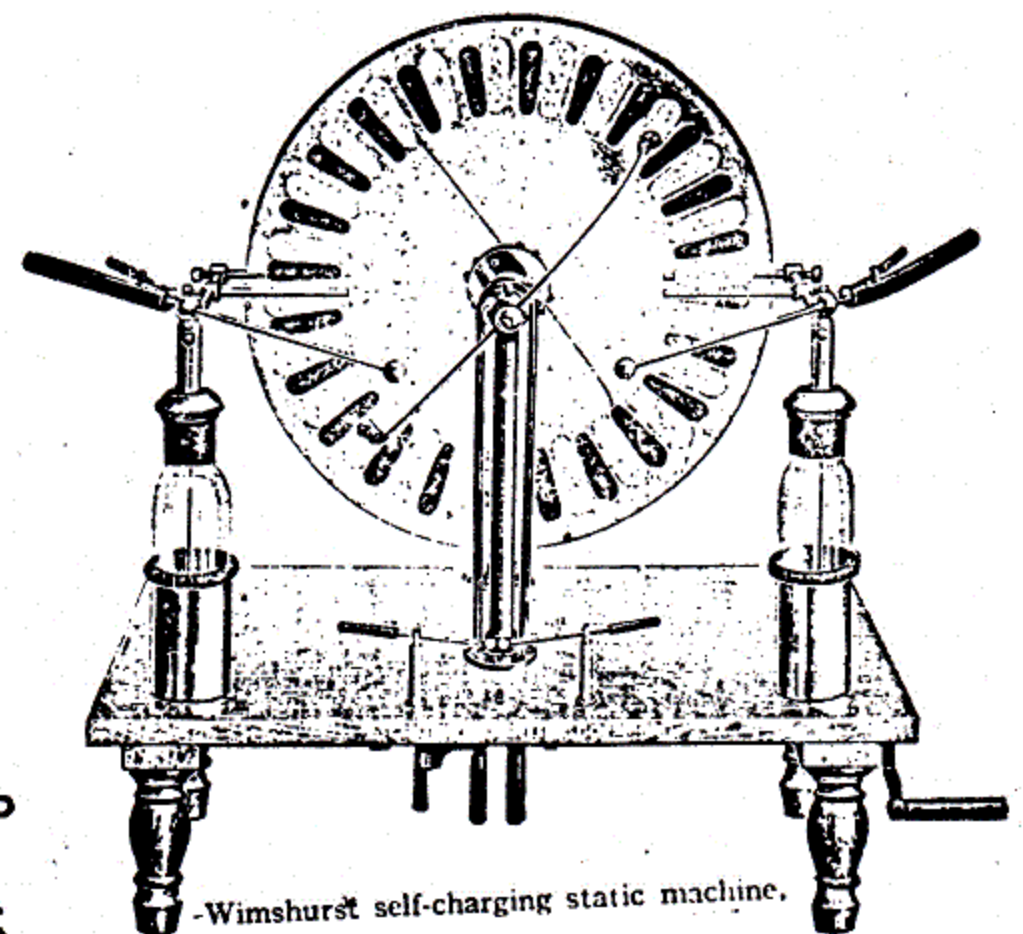
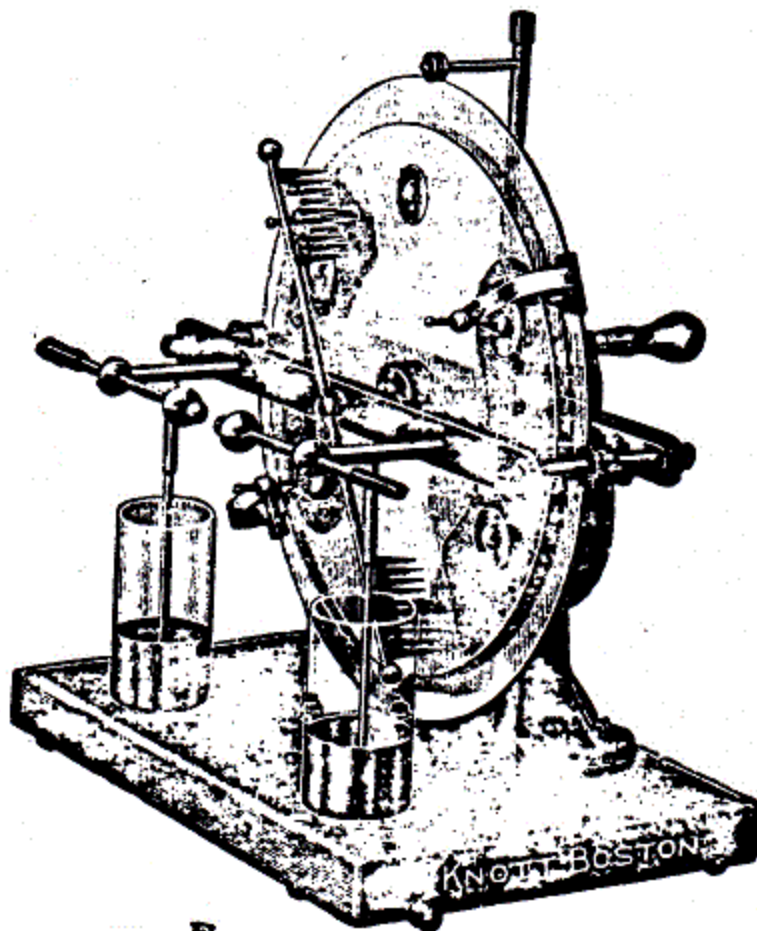


2-CAVITY KLYSTRON AMPLIFIER





-Faraday's dynamo which embodies his discovery in 1831 of *electromagnetic induction*, the principle upon which all dynamos work, as well as induction coils, transformers, and other electrical apparatus.

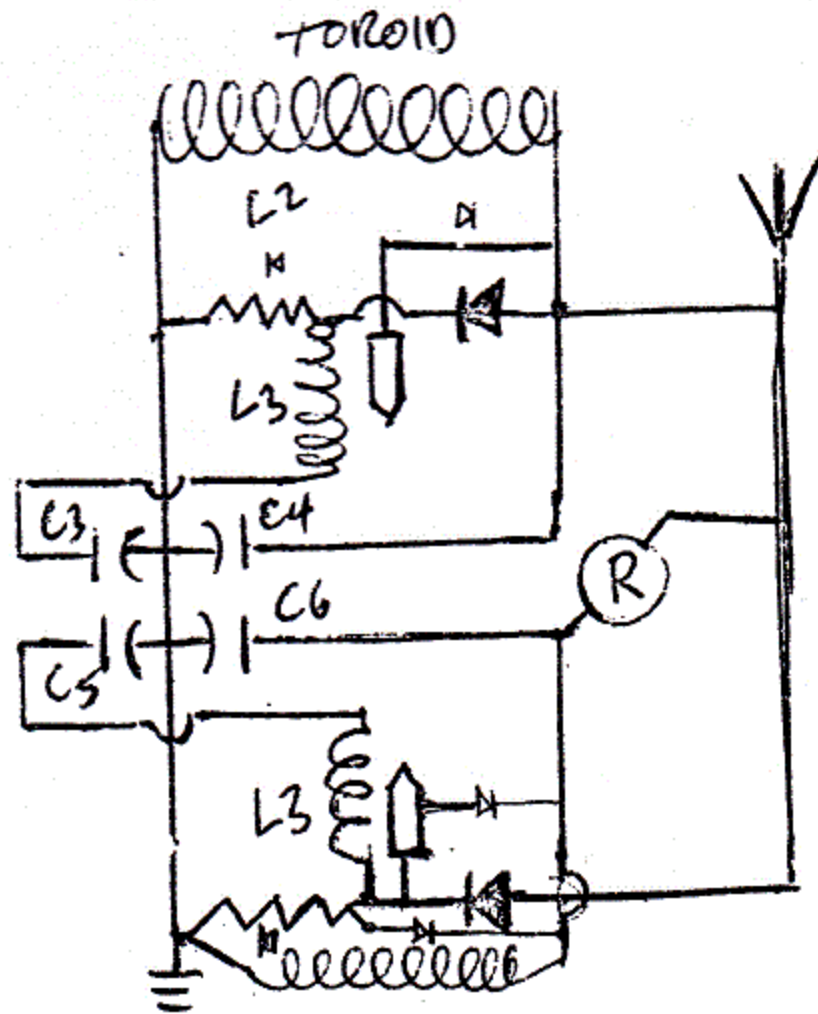


-The Toepfer-Holtz electric machine.

-Principle of Toepfer-Holtz

-Wimshurst self-charging static machine.

STANDARD TECHNOLOGY



These parts are keyed to compare with the Hendershot diagram. Visually, we can see that L_2 is a radio frequency choke, and that audio from broadcast can be picked up across the two resistors. The L_3 and C_3 will not interfere with reception, but the C_4 and antenna will tend to suppress radio. C_6 will probably not interfere, because it may be a large enough resistance.

Most of this can be determined as to exact function by applying thoroughly well known radio technology.

L , C , and R relations are similar to a wafer of quartz crystal. However, what about the magnets? Do they function like the complete crystal, and not just a slice of it?

Surprisingly, the answer to this may have already existed in applied technology for more than forty years. There are at least three items which are always referred to as Mysteries in standard textbooks: toroid transformers, spark gaps, and radar magnetrons.

ELECTROSTATICS AND LIGHTNING

The mystery of the spark gap: in lightning, more energy develops than was present in the original potential difference between cloud and ground. This has been stated again and again for forty years: the Schappeller data explained this before then. Hydrogen and oxygen energies are present in large quantities in lightning. In our laboratories, for the Van De Graff generator to accumulate a large electrostatic charge: the air must be dry. Recent work with hydrogen fuel technology is discovering what happens.

Ben Franklin invented a little motor to take advantage of atmospheric electricity, although the power developed is very weak. Capacitors can store 10% of their charge gained from atmospheric effects, and this could run a motor.

Wimshurst and Toepler Holtz generators of electrostatics can run Franklin motors, but themselves have to be cranked by conventional means. The Wimshurst uses counter-rotating discs, so the single disc Toepler-Holtz is less confusing to describe. Its action can be seen in the diagram. To initially charge the fields, the friction between the disc and brushes is sufficient.

Essentially, the two fields on either side repel the charge from the disc: positive for one, and negative for the other. The repelled charges are transferred to the disc again in a region of opposite charge, which attracts them. When the segments on the disc move to a region of neutral charge, they are forced into the capacitor holding the same charge.

This little trickery is analogous to the Cockcroft-Walton set-up where diodes are used to force the one-way movement of charge.

This electrostatic generator was invented late in the history of particle accelerators. It takes advantage of the old industrial problem of static from moving belts. In this case, the two pulleys have different dielectric constants so charge travels one way. The advantage of this belt generator is that its charge spray is continuous instead of pulsed like the above accumulators.

ELECTRET MOTORS

Scientific American, October, 1974. About 100 volts per 60 feet of antenna, suspended by balloon. 300 feet #28 stranded, plastic insulation. Limiting the corona motor is required minimum potential of 2Kv. The plastic cylinder does 12,000 rmp at 10 Kv. 50% efficient.

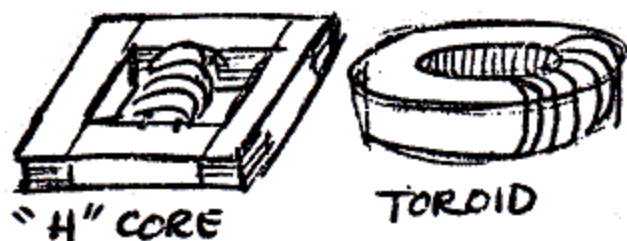
Less voltage is required by the electret motors. 45% carnauba wax, 45% water-white rosin, 10% white beeswax, Halowax can be subbed for rosin. Ingredients cool in mold, subjected to several thousand volt field. Electret reacts to static charges just as though it were a charged electrode. Stator plates are metal.

Some Egyptian amulets were of resin like amber coated with wax. Possibly these were electrets. If allowed to harden in a container which amplifies the same currents affecting crystal growth, they can react to body radiations, and induce pleasing states of mind. The awareness of these energies is evident in Egyptian poses.

INDUCTION

In 1831, Faraday set up the disc shown in the same institute where Laithwaite now teaches. An advance in this concept was put together by Tesla later that century. If the magnets continue over the entire surface of the disc, and spirals are cut in it, and a mercury trough at the edge, or conductive belt returns current to the center, the exciting magnets can be turned off so they are just non-magnetic steel. In this condition, the current moving outward on the disc is made to turn the corner by the spirals, and become the exciting current. The generator is depicted in "Nikola Tesla: Lectures, Patents & Articles" (Pub. by Health Research).

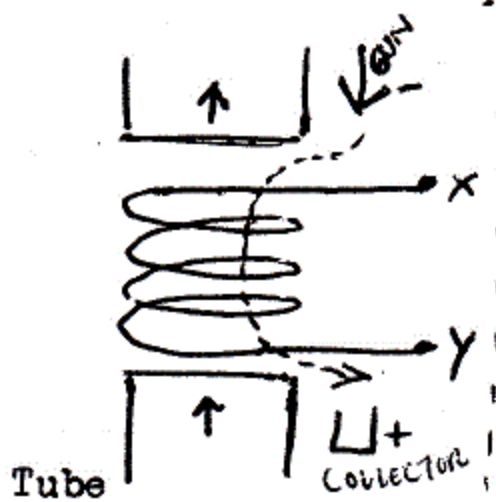
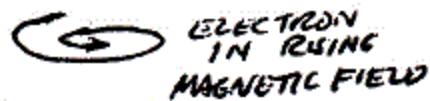
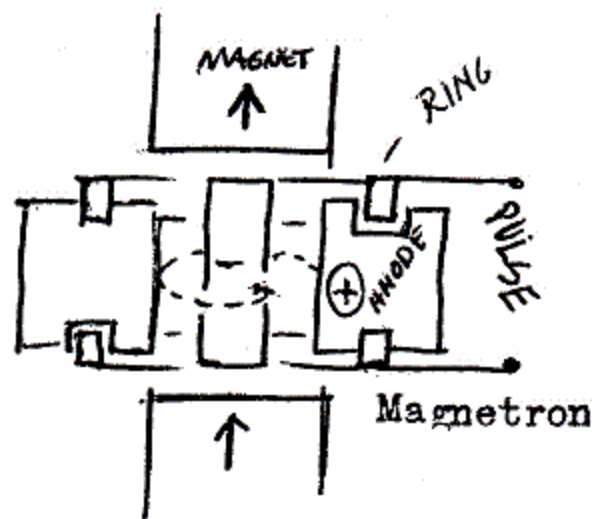
Transformers



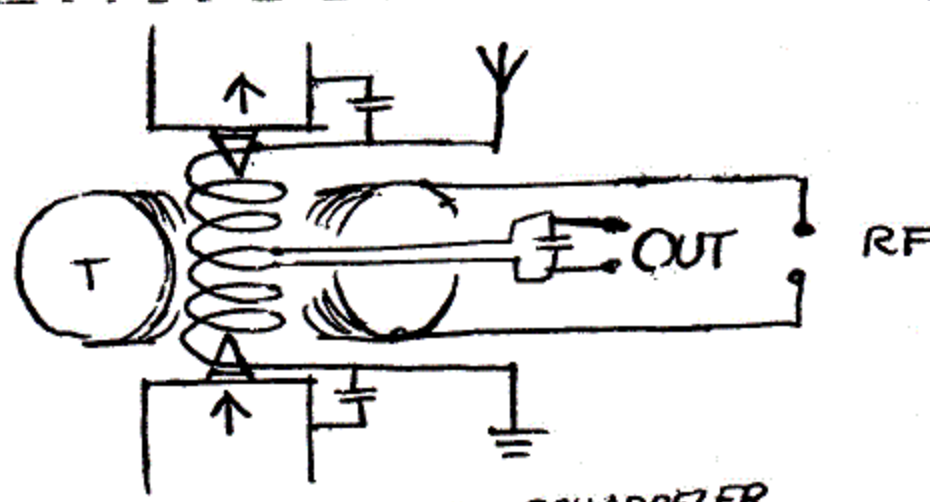
The common transformer uses a primary coil for input, and a secondary coil for output. In most applications nowadays, the H core is used because of convenience in manufacture. The steel laminations fit together tongue and groove, and the pre-wound coil slips in easily. Manufacture of the toroid, however, requires the wire to be wound around a shuttle small enough to fit through the hole in the doughnut. Toroids are used in high frequency radio to prevent flux linkage between adjacent coils.

W. J. Hooper, New Horizons in Magnetic and Gravitational Field Theory, available from Electrodynamics Gravity, Inc., 543 Broad Blvd., Cuyahoga Fls, Ohio: by the methods explained precisely by Dr. Hooper, electromagnetic induction of current can be accomplished with no detectable magnetic flux...The force is not electrostatic, not magnetic, and is immune to shielding. He cites the mystery which has existed since the 1800's: that wires placed in regions around the toroid, where by superposition of fields, the magnetic flux is zero, electromagnetic induction still takes place by means of the "virtual flux." We tend to ignore such curiosities because we haven't found a use for them. There are a number of Hooper patents in the U.S. Pat. Ofc., some illustrating principles of Earth energy, etc.

INDUCTANCE, CAPACITANCE, RESISTANCE

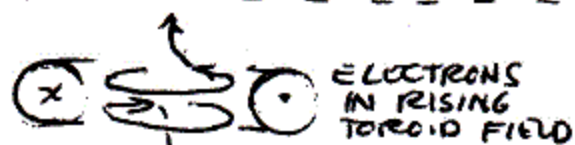


STANDARD



TOROID ADDED TO SCHAPPELER

HYPOTHETICAL - FROBSTEIN?



HYPOTHETICAL

I'll be listing the arguments for a "new vector" later in the physics section. At this point, I don't understand it, and can put what I think under "hypothetical!"

The two standard tech. examples above also apply to the laser and maser. Toroid magnetic fields which

they are using appear to be a matter of accident rather than design. In the magnetron, conducting rings are attached to one tooth of the anode, and insulated from the alternate tooth. As the pulse is added, we have some electrons traveling from one ring to the other. Also, in the traveling wave tube, electrons from gun to collector also give the toroid field.

As I can only guess, the neutral field (dual magnetic) acts like Ecklin's steel door. This puts tradition in the position of saying: "Oh, that energy from radar and crystal masers you occultists have said we've overlooked? Why, we knew about it all the time." From Hooper, the two metal plates are located outside the toroid, and the electrons want to move away from the toroid, and get to the outer plate. Inside a rising toroid field: should they be assigned a new vector, or are they just scrambling out of there for self-preservation?

In order to get the Cohesion, Coherence, Phasing, Interference, etc. set up properly it is well to study wave theory. Impractical equipment from the electronics store, we should at least know about L (Inductance), C (Capacitance), R (Resistance).

Resistance $\rho = \frac{R}{L} (6.02 \times 10^6)$ cgs system for resistance in a wire. ρ (rho) for resistance per mil foot, L length of wire.

$\rho = \frac{R}{L} (6.02 \times 10^8)$ MKS system for resistance in a wire. R is in micro-ohms.
Essentially, the longer + thinner, the more resistance. Volume resistance must be obtained from an engineering chart.
With resistors, they are color-coded to standard charts of resistance (except VR pots)
 $I = \frac{E}{R}$ Current equals voltage divided by resistance. (Volts or current must be known)
Both series and series-parallel arrangements can be reduced to formulas.

Capacitance $\frac{1}{C}$ The area of one plate, and the distance between them determine Capacitance. In the electronics store this is usually marked in μF (microfarads) or pF picofarads.

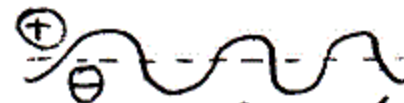

Inductance \lllll has to do with coils with or without an iron core. In the store, different choke coils have this marked on the package - lose the package, and you'll have to have special equipment. Usually Henrys of inductance. Formulas for inductance require that the length of the coil be longer than the diameter, and these have two categories: iron core or air core, we want to use high Q coils, so we can ignore that figuring pretty much.

Inductance, Capacitance, Resistance

These three work together in the circuits, and have been working in our TV's, Hi Fi's and so forth for a long time, and are well documented. Most people ignore them. Some people make a living off them.

Current lags behind voltage, and this is very important in inductance: $emf = E - L \frac{di}{dt}$
Customers lag behind in knowledge, and this is very important in economics.

RECTIFYING DIODES

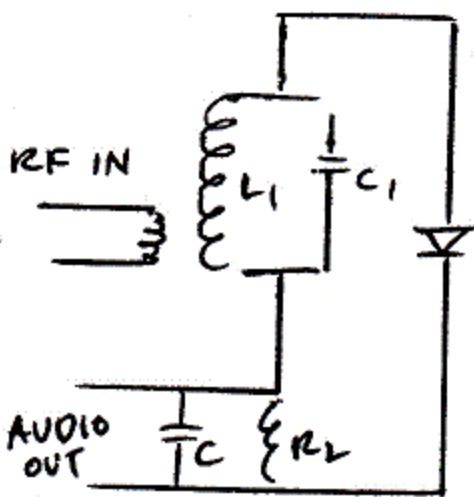
In a sine wave signal:  the current is too steady to be heard through earphones. In house current, for example, the "hum" is heard only through various interruptors like lengths of wire, adjacent to metal, which partially rectify the 60 cycles. A circuit with a diode, however, will rectify obviously: . What is heard is the difference between current and non-current. There are a great many methods of partial rectification: coils, capacitors, resistors in combination - also a wire in contact with a pool of mercury - or anode-cathode vacuum tubes, etc. Result: to allow current to flow only one way; to cease flow in the other direction. So: a detector like an earphone can turn difference between current and non-current into sound.



There are many different specs for diodes, but typically, electrons move only in direction shown.

APPLICATION OF DIODES IN COMMON RADIO DETECTORS:

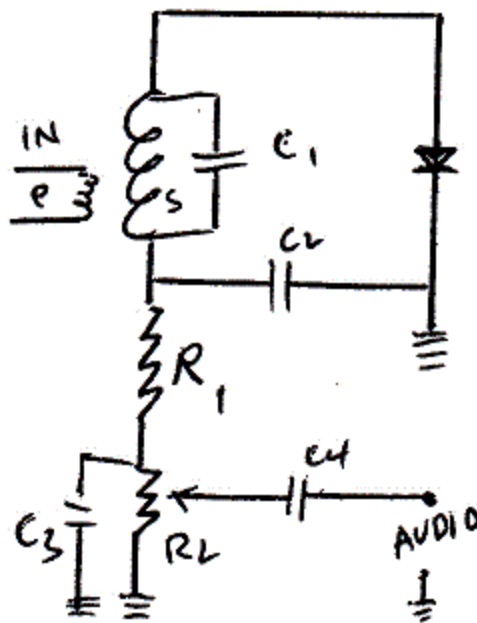
Radio broadcast has signal information placed on a stronger carrier wave. Various filter arrangements separate carrier wave from signal information.



$C = 250 \text{ pF}$

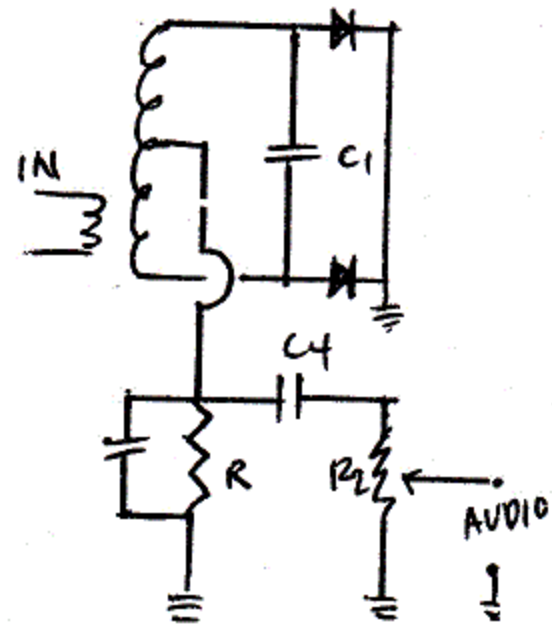
L_1 & C_1 are suited to signal frequency.

Half wave diode detector.



RF filtering to prevent RF voltage from overloading succeeding amplifier stages.

$C_2, C_3 = 100 \text{ pF}$
 $R_1, 5 \text{ K}\Omega$
 $R_2, 250 \text{ K}\Omega$
 $C_4, .1 \text{ MF}$



Full wave diode detector, makes RF filtering easier with less attenuation of hf audio.

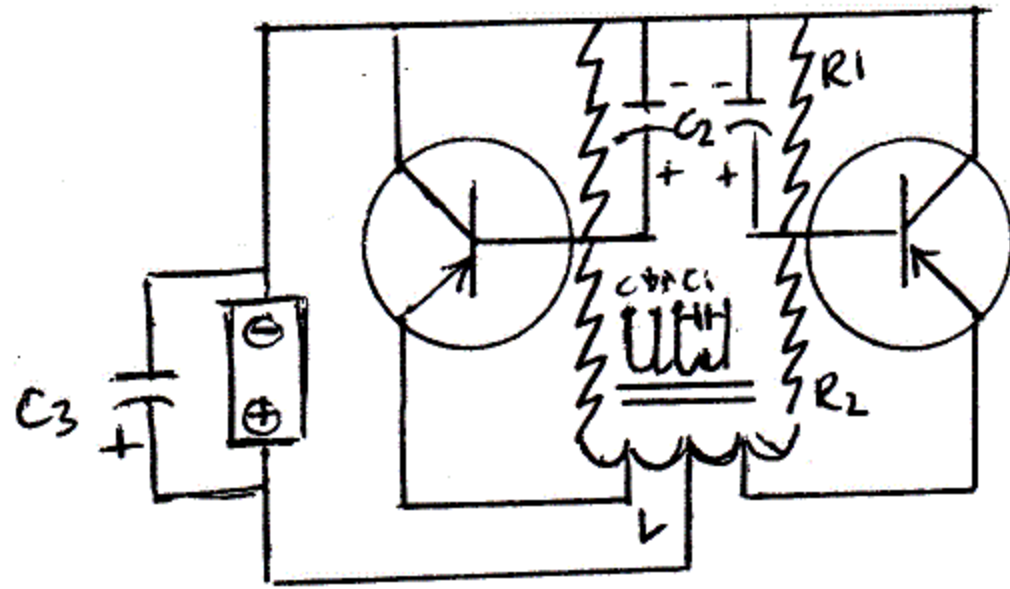


In the above, the sine wave to be detected is the classical Maxwellian or Hertzian wave, where the magnetic and electric are at 90° . The electric, for example, reverses polarity. To detect this, we rectified it to obtain an interrupted signal, which we can hear in earphone.

Earth Energy would require one step before A.C. : ① Separation of Density pulse into a Hertzian A.C. That is, "Dual Hertzian Multiwave" converted to A.C. ② Separation of A.C. to D.C. audio. By the opposite maneuver, a signal open to our senses can be converted to the Non-Hertzian, and sent instantaneously.

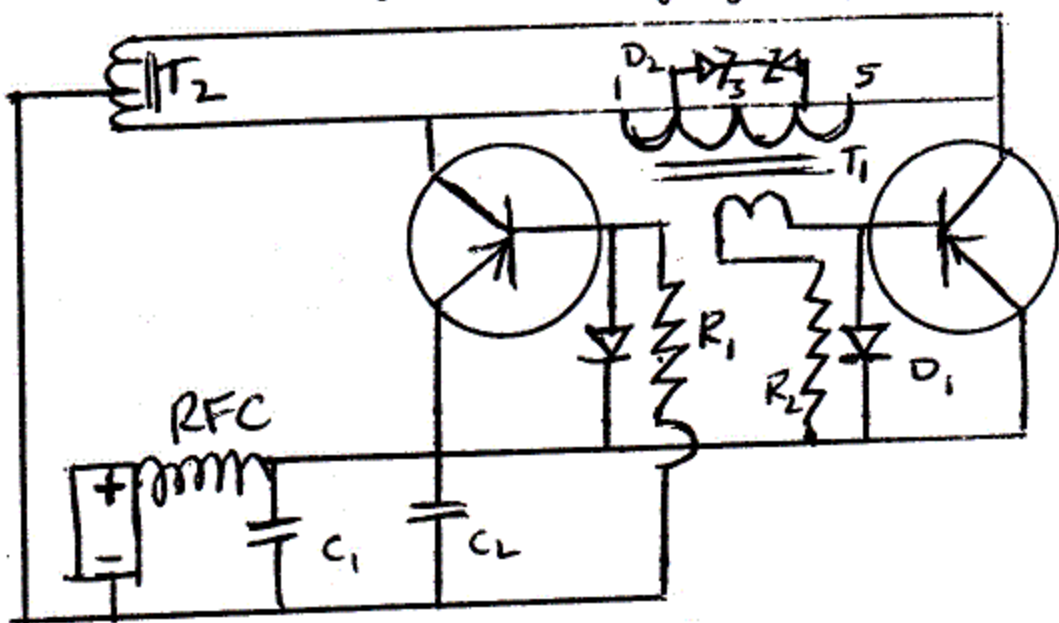
Standard Technology Multivibrators

USING 12 volt batteries DC TO AC INVERTER



- C_1 at A.C. output, 1 μ F, 600V. electrolytic
output taps: 110, 115, 125
- C_2 electrolytic, 2 μ F 50V
or ceramic
- C_3 electrolytic 250 μ F, 25V
- R_1 200 Ω , 20 watt
- R_2 5 Ω , 5 watt
- TRANSISTORS: 2N278 (or 2N678)
2N1146, or 2N1173

Frequency of AC involved will not operate AC motors although it is about 60Hz, it is square wave. Inductance of transformer determines frequency, and so does output load. For higher frequencies:



DC TO DC

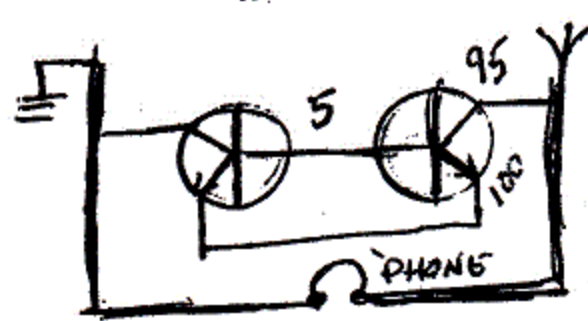
- T_1 feedback transformer
1000 Hz, Osborne 6784
- T_2 Hipersil 1000 Hz
Osborne 21555
- D_1 3 amp silicon diode
(GE A15F)
- D_2 18 volt, 1 watt Zener
Motorola 1N4746

- R_1 220 Ω 2 watt
- R_2 2 Ω 25 watt
- C_1 .005 μ F C_2 1000 μ F 25V

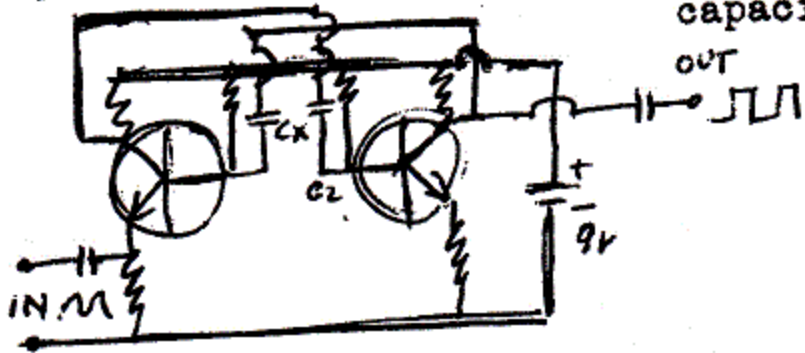
Transistors are Deleco 2N1523

Leads off of T_2 are fed to full wave diode bridges using 1000 PRV silicon diodes; and various capacitors. Voltages are 160, 250, 825. The full description is in "The Radio Amateur's Handbook," 1974, The American Radio Relay League. More recent text now available: Newington, Connecticut, U.S.A. 06111

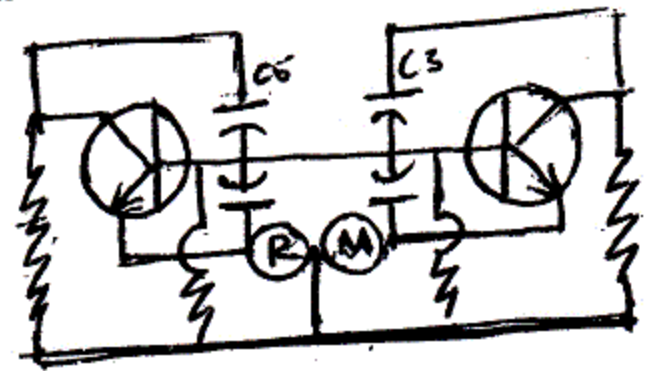
Brad Pillow finds various arrangements of transistors can power a loudspeaker, using a forty foot antenna. The numbers refer to the % of current passed by different parts of the transistor.



Below, a standard transistor multivibrator. Pulse repetition frequency can be varied from 235 to 2000 by substituting capacitance values from .01 to .0005 μ F for C_x .



Hypothetical transistor Hendershot:



SIMPLIFIED RADIO & TV

This is an extremely "short course" in radio principles, but gives an ~~notation~~ of the goal of predicting just what a circuit will do in its handling of different frequencies. The circuit given on the page with the quartz crystal is an analog of the crystal's resonant function.

High "Q" is desirable, that is, very little energy is required to sustain oscillation. Basket-weave coils, and mobius coils, and the Smith coil or Cadysus do not impede an A.C. current as would a tight wound conventional coil. With high Quality, a coil can easily respond to weak background variations. Perfect resonance; a match between coil and capacitor usually applies to filter networks where only specific frequencies are admitted or suppressed.

The multivibrator can be looked at as two equivalent circuits, and in J.G. Gallimore's design, it is attenuating a great number of frequencies; producing the energy which comes off a crystal point, and impacting this against a capacitor. This is an analogue of his two-crystal device.

The combination of Inductance, Capacitance, and Resistance give varying values of Impedance. In the general view, this is the Ratio of pressure to volume displaced on a surface between two mediums. Materials have differing reactions to pressure, and the varying dielectric constants are looked at as reactions to electrical pressure. Impedance is analogous to actual electric resistance to D.C., but involves alternating current. D.C. resistance is actually impedance, but is such a high frequency, that general electrical applications overlook it. Radionics applications make use of it, and this is why some electrical engineers, or people with a general understanding of trade school electronics get the impression that radionic circuits don't make any sense.

$\frac{\mu\text{m-}t}{R \text{ } \epsilon}$ Time constant, $T = RC$ Time in seconds equals Farads Capacity times Ohms Resistance (Ω)

$\frac{\mu\text{m-}e}{R \text{ } \epsilon}$ Time constant, $T = \frac{L}{R}$ Time in seconds equals Henrys of Resistance \div Ohms Resistance (Ω)

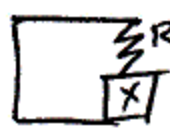
Alternating current Reactance - ① first quarter cycle - current is charging capacitor ② second quarter cycle, capacitor loses charge ③ and ④ same as 1+2, except the current has reversed.

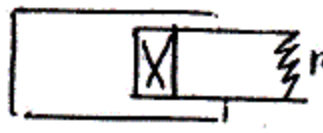
Capacitive Reactance - capacitance and frequency lumped together are like Resistance.
 $X_c = \frac{1}{2\pi fC}$ X_c Capacitive Reactance in Ohms (Ω) equals one divided by 2π , frequency in cycles per second, times Farads.

Inductive Reactance - this is back electromotive force generated by inductance (L) and is proportional to frequency. $X_L = 2\pi fL$ Ohms of Reactance equals 2π frequency, \times Henrys.

Reactance alone, is: $I = \frac{E}{X}$ Amps = $\frac{\text{Volts}}{\text{Ohms Reactance}}$

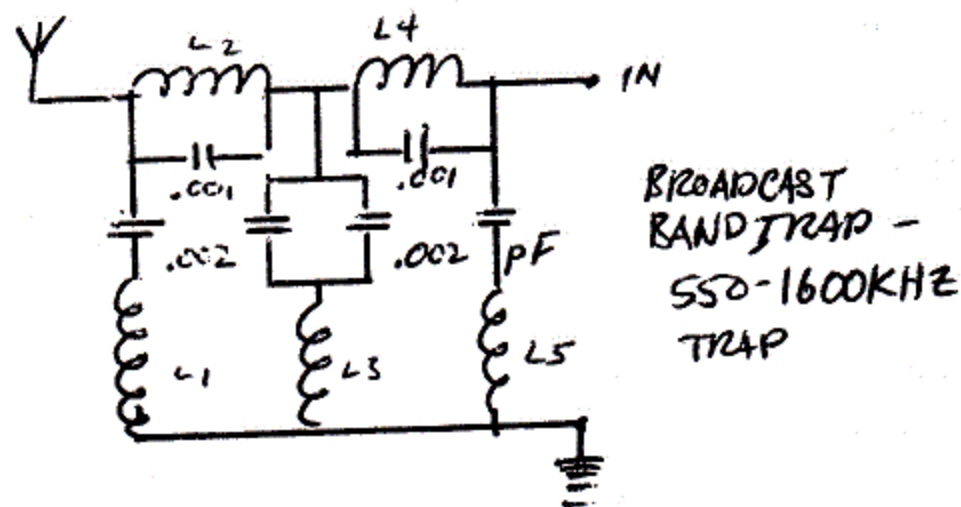
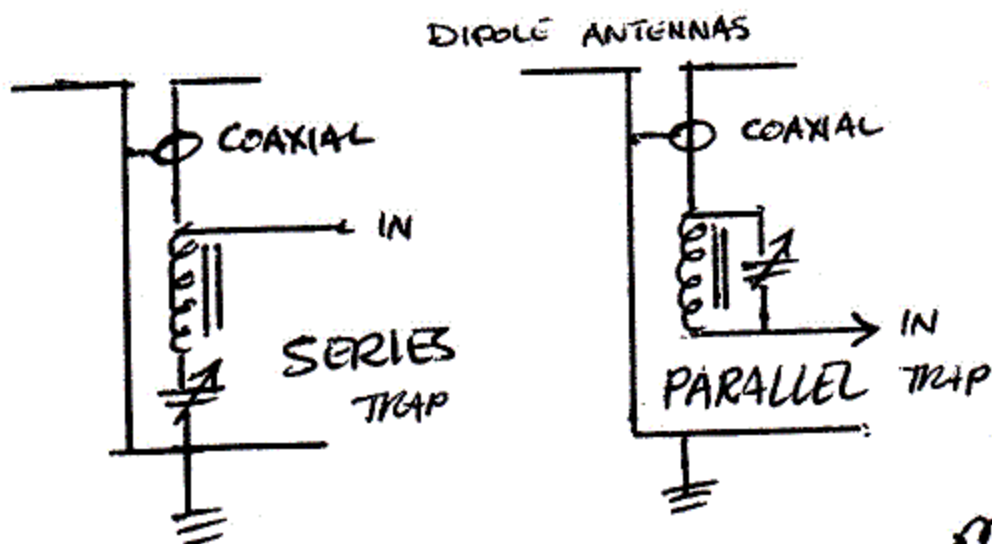
Impedance (Z) is the combination of Reactance and Resistance.

 $Z = \sqrt{R^2 + X^2}$ Impedance is the square root of Ohms Resistance squared times Ohms Reactance squared.

 PARALLEL CIRCUIT. $Z = \frac{RX}{\sqrt{R^2 + X^2}}$

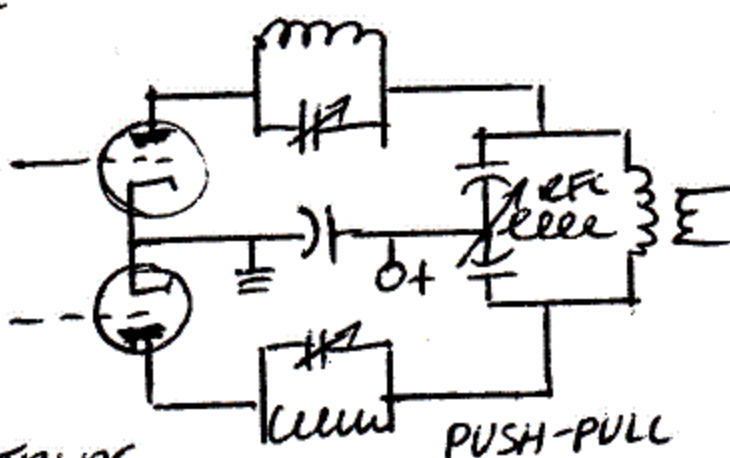
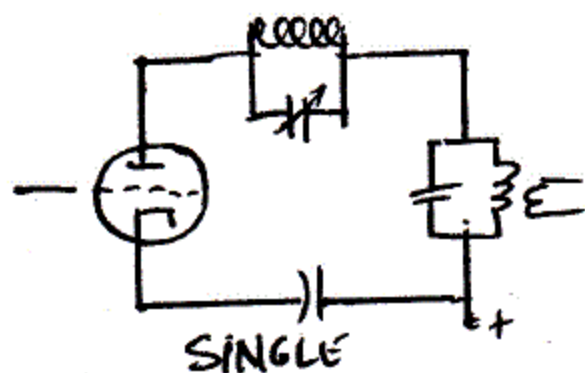
Non-uniform behavior for fundamentals and harmonics is important to understand in the practical construction of free-energy devices. Circuit Impedance is different for each harmonic component in an attenuating complex wave, because Reactance depends on frequency. And, we have seen that even materials designated as resistances do in fact have reactance at the high frequencies.

ANTENNAS



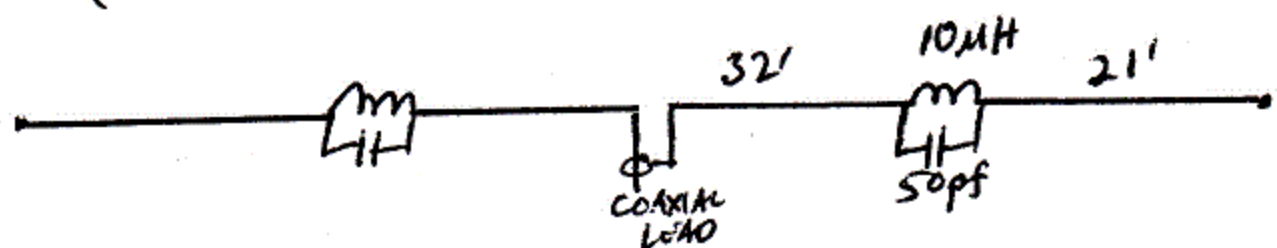
BROADCAST BAND TRAP -
550-1600KHZ TRAP

L1, L5 10μH
L2, L4 33μH
L3 - 4.7μH
coils are ready made at electronics store
Ceramic capacitors



HARMONIC TRAPS

(L & C resonate at the frequency of the harmonic & be suppressed.)



This intriguing use of traps resonant to 7.1 MHz tunes out the longer ears of the antenna when equipment is tuned to shorter than 7 MHz.

The additional advantage is, the overall length is 106 feet, responding like almost 300 feet.

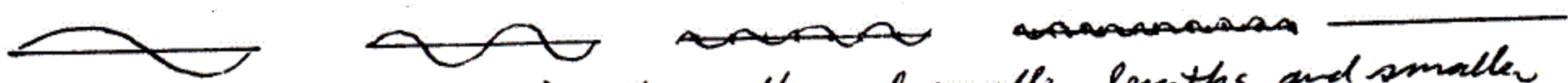
TRAPS - suppress the particular band to which they are tuned - "filter networks" act differently.

BANDPASS FILTERS - attenuate all but the particular band they select to pass,

- low pass - permit all below cut off to pass
- high pass - permit all above cut off to pass.

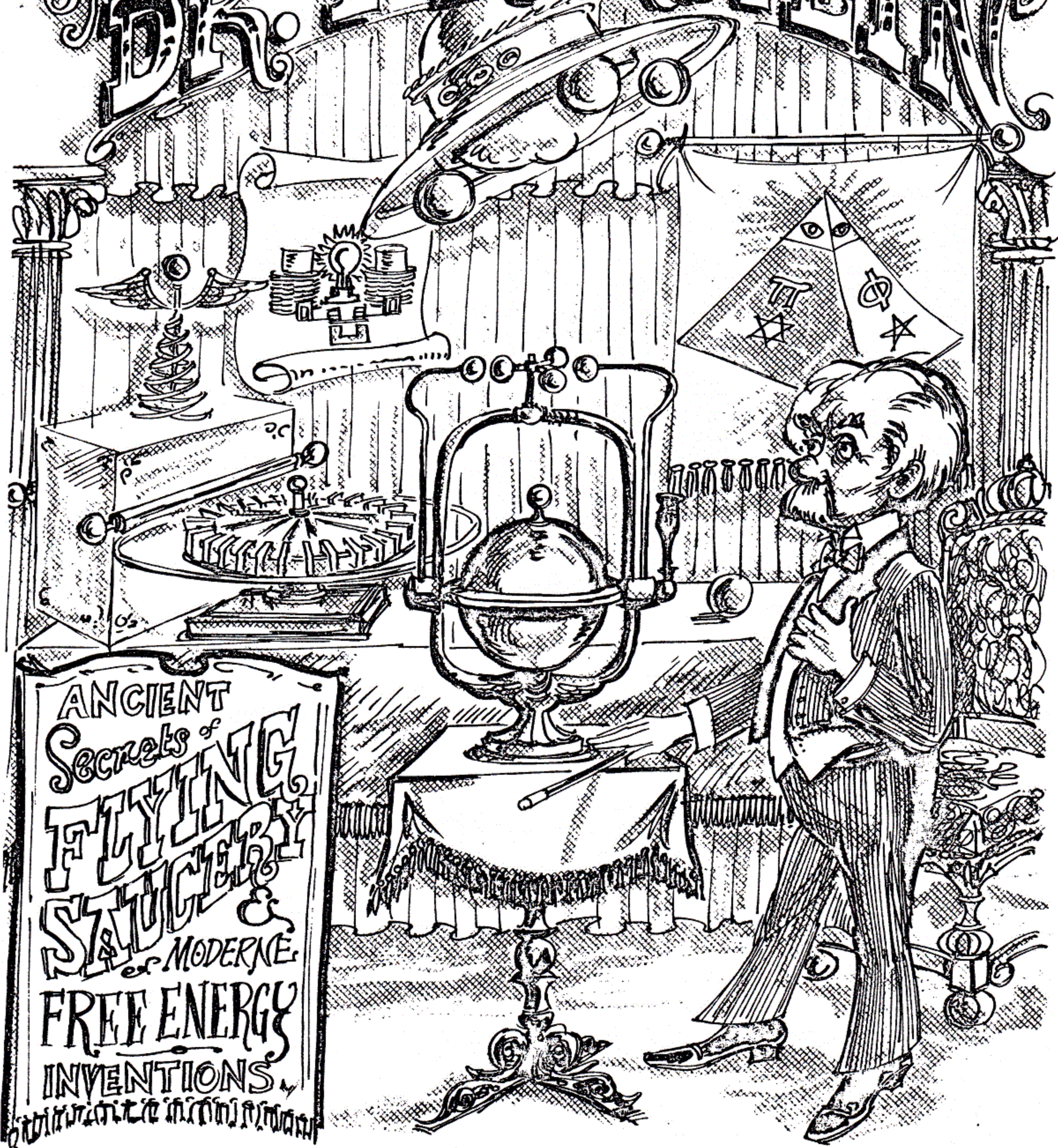
These considerations are helpful in determining the functions of different parts of free energy devices as to which highs or lows of frequency they are passing or suppressing.

ATTENUATION - a diminution of force or intensity. When a string is plucked,



it divides into harmonics of smaller and smaller lengths and smaller amplitudes. In free energy devices, this higher frequency impacts against the dielectric. Above 30 MHz, energy is lost to the dielectric. However, there are methods to recover this accumulated energy at frequencies lower than those putting the attenuated energy in. The equipment responds to multivave, and ears of these attenuate into the dielectric. The "in" waves are fully blocked at a certain point. If this is resonant with "planet pulse" the dielectric releases all charge then.

THE COSMIC * ENERGIES OF DR. FAROOSTEEN





THE PROFESSOR
ANGSTROM ELDRITCH
FROGSTEIN

1864...or was it
1843?

The confusion over dates is not only due to the Frogstein Time Pillar, but to the relation between the hydrogen nucleus and the electron. Generally, it is believed that the Time Pillar of Talbott Village disappeared in 1864 rather than 1843, but this leads to problems in the nuclear mass.

Much mathematical difficulty is overcome in Frogstein theory by disposing of "Pi" with the little hangy-over part, and just using three. "Phi" still presents a problem because it just isn't right to make it an integer. To resolve this dual

of Pi and Phi incorporated by the Atlanteans into the Great Pyramid of Giza, and properly set out in papyrus in the Library at Alexandria, Frogstein is supposed to have carted his Time Pillar over the Virginia border, visited the library, fortuitously upsetting the above kerosene lantern and burning the library to the ground. He then incited a religious denomination to tear the limestone facing off the pyramid in order to round off "Pi."

That failing, he attempted to trisect an Angel due to a misspelling in a Chaldean Ephemeris: and this led him to the metaphysical problem of subdividing and selling the lots of heads of pins.

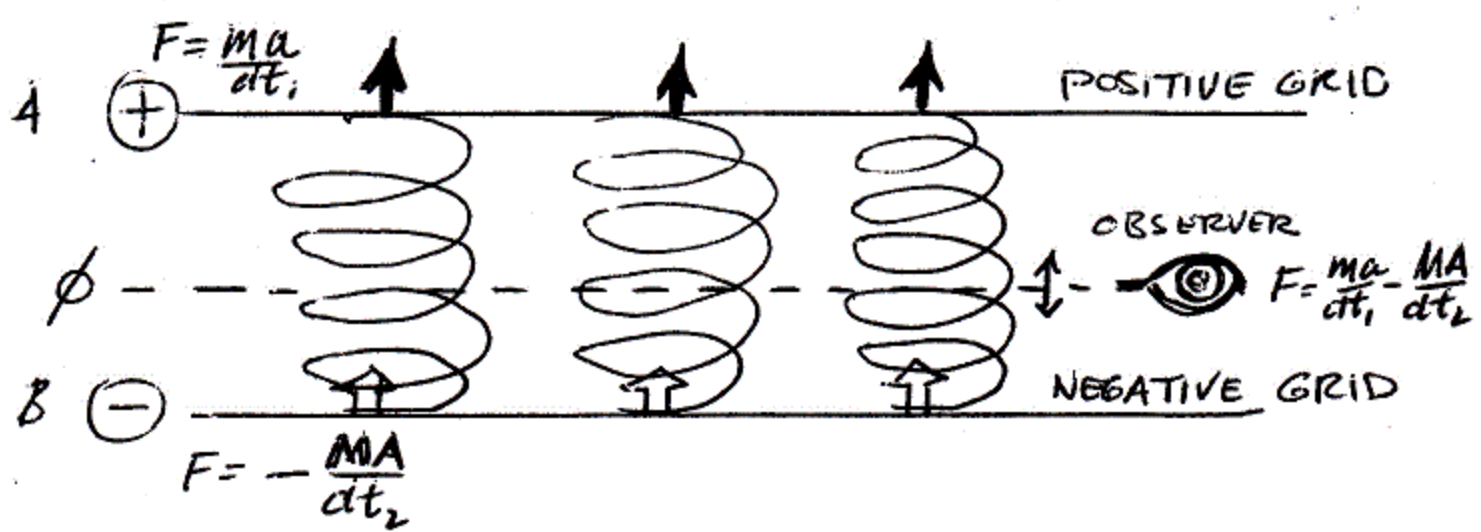
Also in the photo is the fabulous Wimshurst machine, and a Faraday type generator of horseshoe-type magnets; a convenient measure of horsepower. Grasped in the hand of the infamous (Von) Frogstein is the Levitating Sphere. Many of these were lost during the experiments in the Indiana Barn With the Perforated Roof.

There is additional historical confusion because of the many Frogsteinian exploits attributed to others, or theirs attributed to him; across a full spectrum of natural philosophy, tharmaturgy, and charlatanism of: Magister Habit Non-Scientum.

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Frogstein

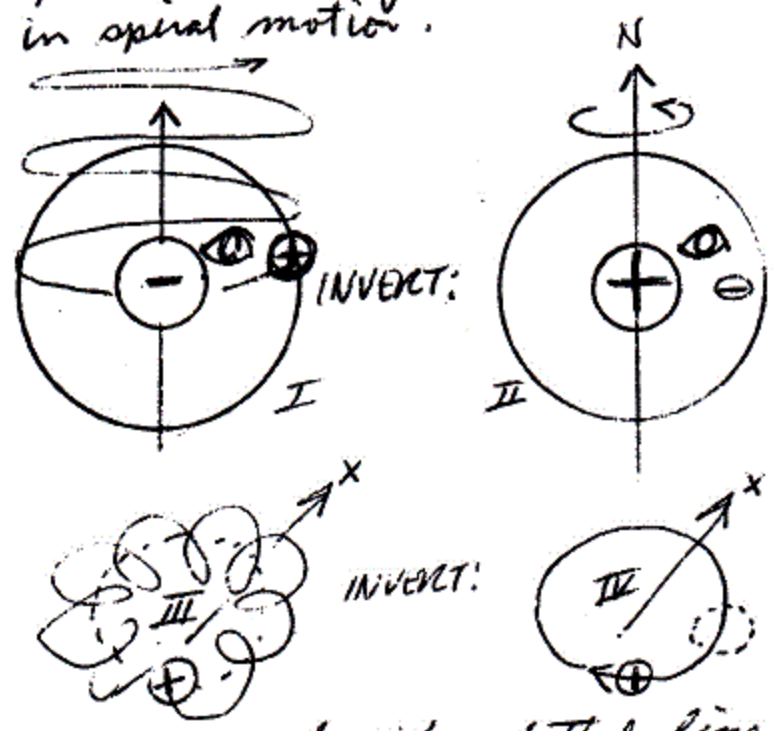
TOROID:
MOBIUS, KLINE BOTTLE,
CADYSEUS, CHAPERONE WRAP, &
OTHER INVERSIONS.



In the Bohr model of the atom, we see the electron as orbiting the nucleus. However, in order to visualize velocity, we could suppose a model where the positive particles travel in space toward the constellation Hercules. And, in such a case, all positive particles move in a spiral; with the electrons trying to catch up. Consequently, the nuclei would orbit around the electrons.

Yet, to the observer, who is swept along with this race; the opposite appears to be true. Because of his place in the scheme of things he assumes the nucleus to be more massive. This inversion can be carried to an Earth model, where the center of the Earth is actually, the exterior. The only advantage I can see to this at present, is that in the velocity model of gravity, we take care of the conceptual problem of all the forces smashing together at the center. Einstein called such a velocity model "world lines".

The above conceptualizing can be made stationary using positive and negative grids related by the Fibonacci series, but the \oplus grid must be assumed to be in spiral motion.



In a model of Earth magnetism, the velocity of the positive core is spent in a spiral motion. For the observer, the situation is inverted; he sees the Earth as rotating. In addition, he perceives magnetic fields.

In broadcasted energy, the magnetic line is extended in various ways, but if closed in a loop, tends to suppress electromagnetic broadcast.

This situation is shown in figures III and IV. Progress of the nucleus through space is neutralized in its usual direction, but continues along the new route "X". The electron path is shown by the dotted line.

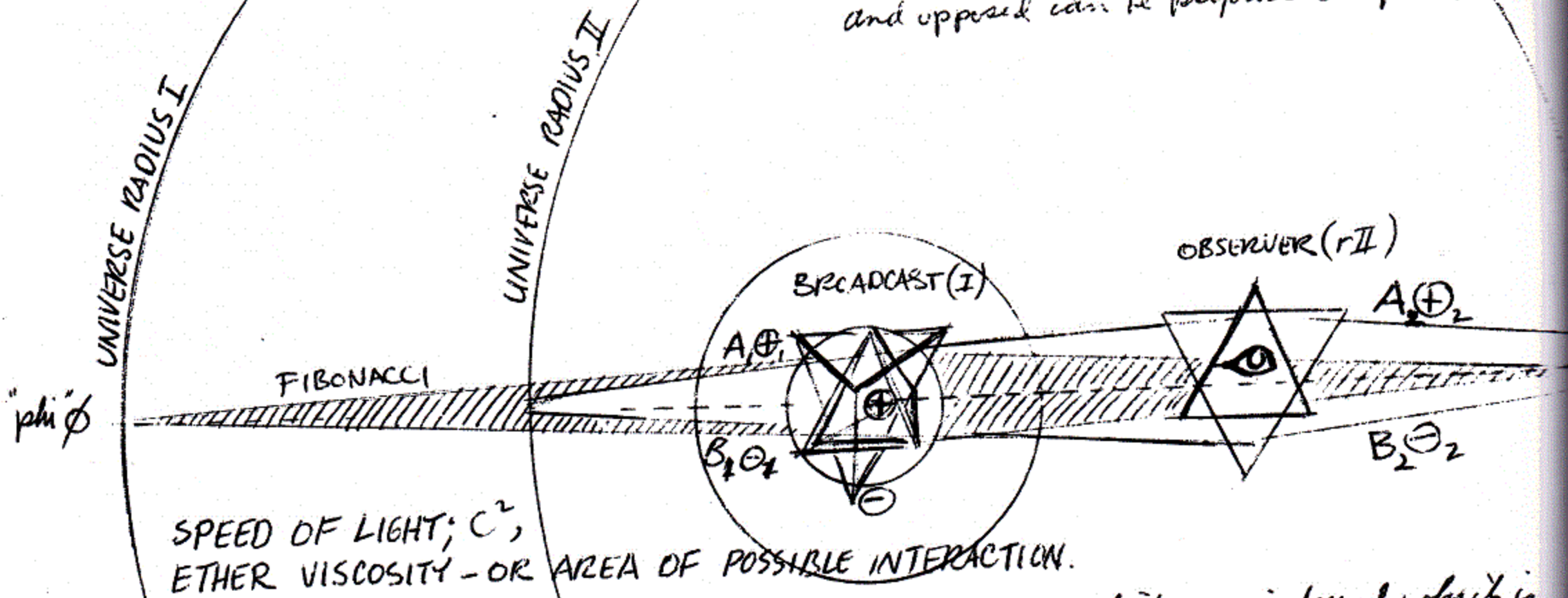
"A" and "B" grids in such a situation, when additional force is pumped in, produce a "phi" relation which is not recognized by the observer as being electromagnetic. Nevertheless, a stress is produced which does work (W) on the materials involved.

If the "phi" grids elaboration is to be carried out consistently in this, these toroid grids exert stress on the external grids between which the observer draws his conclusions; but in a direction which he can't recognize as the time-varying, reciprocal signal of electromagnetic.

External electromagnetic is received, however, apparently along the "X" direction world line in which the bulk of the material rides. One practical use is the conversion of external "gravity pulse" into dielectric or magnetic stress in timing an "anti-gravity" device, or in timing a pulse method of accumulating plasma.

PROGSTEIN

Reciprocal exchanges of A and B grids is reciprocal as electromagnetic radiation, or as light.
 Non-reciprocal is various densities of matter and opposed can be psychic or gravitational.



By dropping dotted lines to center of tetrahedron, a distance is found which is not harmonic with the sides of the Tetrahedron. From these dotted lines, a distance twice their length therefore harmonic with them forms the \ominus negative charge for the larger tetrahedron.

The area described by Universe Radius I is the area which is covered by grid $A_1 \oplus$ positive and grid $B_1 \ominus$ negative required for them to interact. That is: a sum of non-harmonic interactions on a viscous medium which is equal to their interaction ^{as} if they were harmonic.

From this line of reasoning the observer is similar in description, and his area of \oplus_2 and \ominus_2 interaction is Universe Radius II.

Reciprocating exchanges between $A_1 \oplus$ and $B_1 \ominus$ bring about a corresponding signal in $A_2 \oplus$ and $B_2 \ominus$, as long as the observer is within the universe radius I of the broadcasting particle (basic signal is spiral motion of \oplus and \ominus follows.)

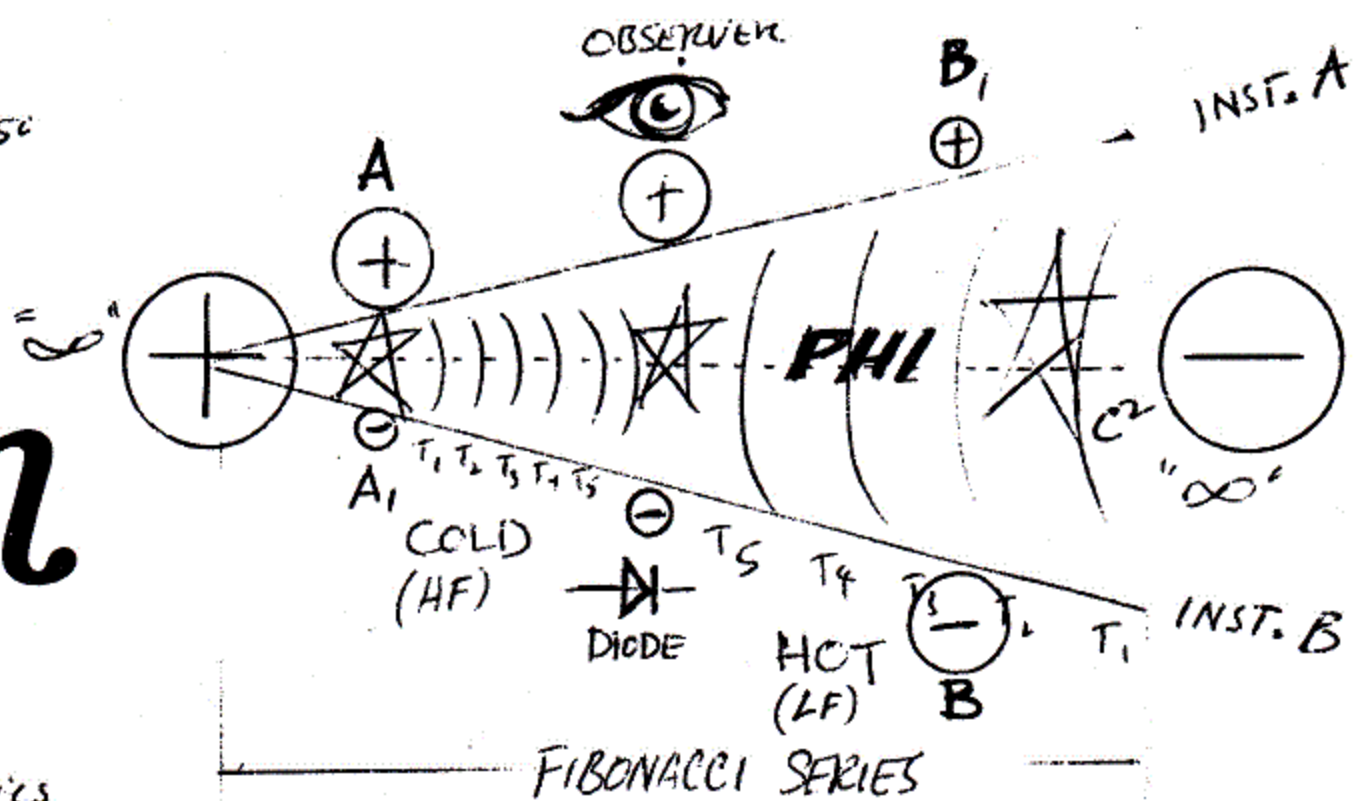
GRAVITATIONAL PULL - If the velocity of $A_1 \oplus$ is predominant, the observer moves in that direction. In such a case, the spiral motion of $A_1 \oplus$ originates the \oplus grid on which \oplus_2 is harmonic. The observer sees a spinning particle. The observer, like the electron, tries to "keep up" with the $A_1 \oplus$ and to out-distance the \ominus grid. On the other hand, if the observer can increase \oplus momentum while decreasing \ominus he increases the radius of his orbit around the broadcasting particle. Because nuclear velocity is 1864 times that of negative, the \oplus charge counts that much more in increasing ether stress along plane "phi" ϕ . As ether stress increases, the required universe radius decreases, until the body in question "collapses," or disappears, but its effect on external \oplus - \ominus grids is very strong. Larger \oplus bodies can contribute charge to a smaller body, but this stepped process is sometimes called "anti-entropic".

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Frogstein

SPEED OF LIGHT WAVES
 AND INSTANTANEOUS WAVES

(as technology advances, physics
 seeks a "new vector")



Whether atom A and B, and Observer remain stationary, or are in relative motion, the relations remain the same.

What might appear paradoxical is the direction of the diode: its positive end is aimed at a predominance of minus. This could be rationalized by showing the rest of the electric circuit required to bring about the charged situation.

THE OBSERVER can perceive only the results along the C^2 or "Phi" axis. Thus, he cannot perceive line A or line B, although he is made from these two grids. He can detect the difference between AA, signal, and BB, signal as a difference in their timing.

The AA, signal is perceived as high frequency, short wave, cold radiation. This is the same as moving toward AA, Ultraviolet

The BB, signal is perceived as low frequency, long wave, hot radiation. This is the same as moving away from BB, Infrared.

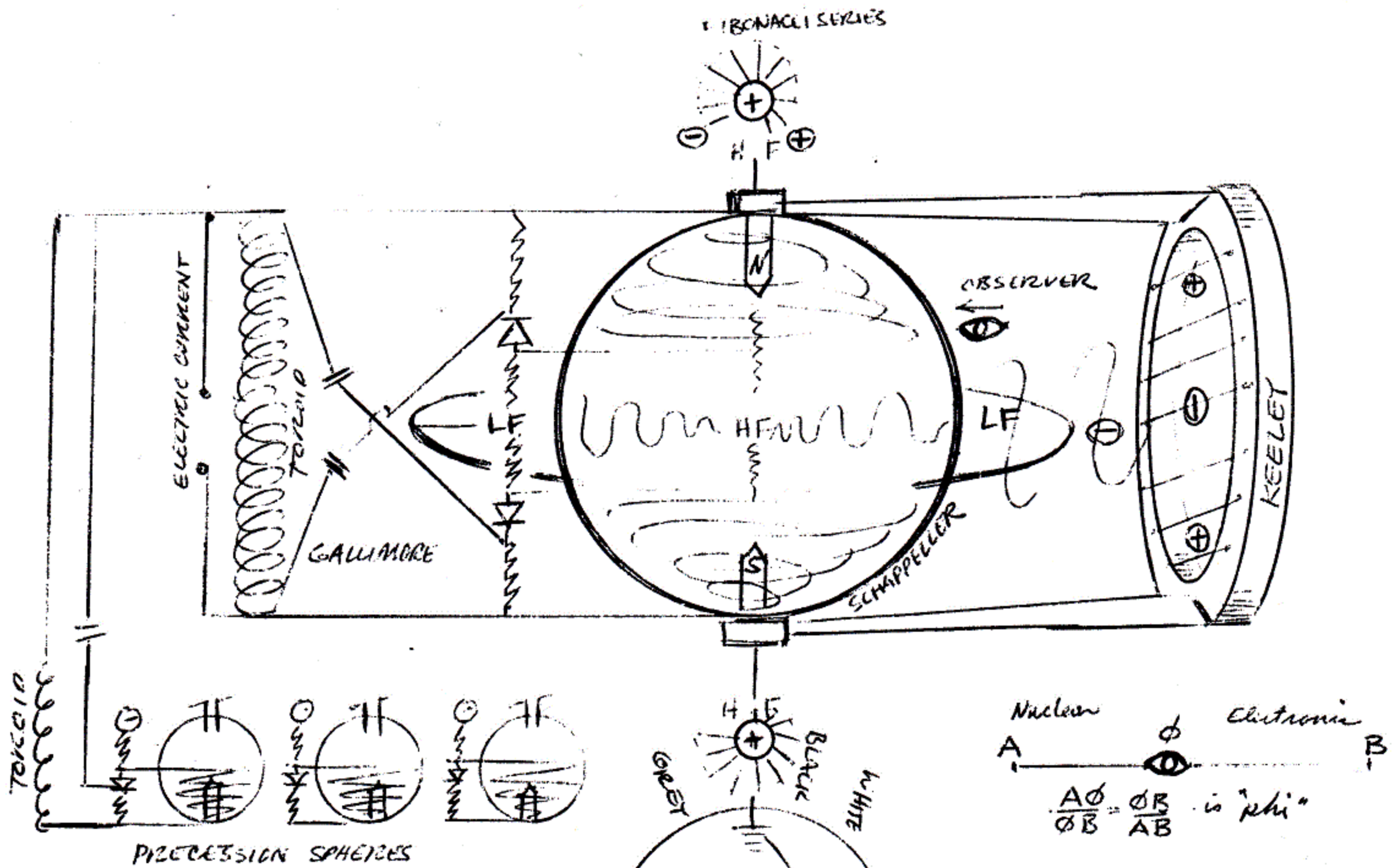
DIODE - on the hot side, the electrons are moved away from the nucleus so this is the same as the observer moving away - as the effect of the nucleus is 1864 times greater than the electron.

On the cold side, the electrons are moved toward the nucleus, so the observer also moves toward the nucleus.

C^2 SPEED OF LIGHT PROPAGATION - The AA, situation and the BB, situation are associated with a particular wavelength and frequency at their point of origin. For this relation to propagate through space the phi relation must remain intact or it will not be detected by the observer as light or as electromagnetic radiation. What is accepted as signal by the observer is a variation in grid A which corresponds to a variation in grid B.

INSTANTANEOUS PROPAGATION - grid A and grid B are not harmonic, but are related by 'phi'. Their own components, however, are harmonic. Stress on the individual grid is instantaneously transmitted to all other parts of the grid (actually there is a limit here, but is of universe radius). The observer is composed of both grids, so will disregard this "local" psychic stress as personal, and will regard only the above C^2 as valid external signal. Chance coordinated stresses are not of sufficient duration to be recognized as repetitive electromagnetic. (Jungian collective unconscious - displays of light)

Reason for choice of "Phi" ($\phi^2 = 2.618$) of Fibonacci series and Golden Section. The ratio "looks good" in design, appears in "aesthetic forms". Such Golden Section theory lound up Norman Rockwell for a while. (And, Disney made a film of it.) $\phi^2 = 2.618$ $\phi = .618$ $1 + \phi = 1.618$ Thompkins book on Great Pyramid says π and ϕ are in the Royal Aprons. Also, sarcophagus is shown as made of Golden Section rectangles. [In Fraustein theory, ϕ is chosen as the "most typical" non-harmonic, but such non-harmonics as "e" .718 & the natural log base are implied].



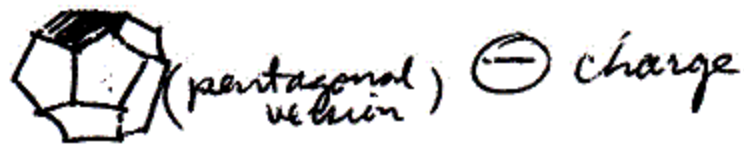
Having a sphere revolve could be similar to having an electron orbit a nucleus, and so for the same reason:

This particular reason doesn't answer a fundamental question, but it does show a fundamental relation: while the observer appears to be stationary, he would be moving toward the center. Here, short waves come in at the poles, and move toward the equator. The waves appear to move outward, and matter appears to move inward. Who pulls? The wave or the matter? Which is the case, the inward or outward pressure and rotation occur. The rotation tends to relax the inward pressure on the matter, (and to relax the radiation?)

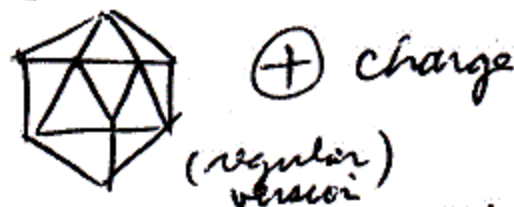
The Keeley method, using sound, has the same ground and central relation, comparable to a short wave (+) and a long wave (-).

FROGSTEIN GRIMOIRE

Dodecahedron - solid having 12 planes



Icosahedron - a polyhedron having 20 faces



Ether - tempic field, ozone, odic force, - an "imponderable fluid" - which can be represented by the constant, the speed of light. - a Universe volume constant

Second - a useful time interval.


Distance - length


Harmonic - things related by being of equal length, or divisible into each other by whole numbers.


Pi - π . 3.14159. 2π gives division of a circle into radians

Phi - ϕ 1.618 $\phi^2 = 2.618$ a number represented in the Great Pyramid of Giza along with Pi, and assumed to be so represented because it explains the mysteries of the cosmos. Similar to the natural log base "e" 2.71828

Fibonacci series - the relation of all non-harmonics. The ϕ proportion or Golden Section; 1.618

Hexagon -  a rigid structure, because the sides are harmonic with the spokes joining at the center. A \oplus charge

Pentagon -  a flexible structure because the sides are not harmonic with the spokes joining at the center. The sides are related to the spokes by ϕ .

Earth grid -  **HIGH FREQUENCY**
 Icosahedron superimposed over dodecahedron so the equilateral triangle corners meet in the centers of the pentagons. The triangle stress points are the North and South poles, and of the remaining 10, 5 are in the southern hemisphere, and 5 above, marking points of extremely energetic storms. Shown in heavy lines, the icosahedron represents the \oplus positive or nuclear direction of energy - the interior struts harmonic with the external sides meet at the center. This part of the grid has maximum tempic interaction, so all force is directed toward the center (gravity)

LOW FREQUENCY
 The pentagonal Dodecahedron's sides are not harmonic with the positive, so there is no direct interaction. Rather, the interaction is via the Fibonacci series in the ether, cohesiveness involving the Universe volume. Since the dodecahedron has no center struts harmonic with the exterior sides, it has no rigid center, but is held in place halfway between the equilateral triangle, since this negative has the greater tempic interaction.
 (stress on a dielectric is sauchin stress)

Kashin transmission:

The C^2 speed of light constant derives from the cohesiveness of the ether, and the fact that the \oplus and \ominus combinations which produce radiation are in the constant phi proportion. Transmission \oplus or \ominus separately is instantaneous from universe center.

Although tetrahedron is rigid, its sides are not harmonic with lines to center, so it is \ominus charged

A FEW SELECTIONS FROM PHYSICS

As in any other field of human endeavor, the conservative element will predominate, because they are the people interested in preserving things. Without conservatism, there would be no progress; and that's not a paradox.

That science as a whole is a reliable source of information is due to the people who go to the effort of keeping orderly records. This library science is pretty recent when compared to the Occultists who try to maintain a tradition intact.

Innovators like Faraday had sense enough to keep their theories to themselves for decades, while at the same time keeping orderly records. When these ideas finally became fashion, they fell into the hands of people who decided to get rid of the older records, throwing out babies with bathwater. This also occurred with Einstein's ideas, etc., etc.

Identifying who is in what camp of radical or conservative is a temporal game. The ancient science, if it could be dredged up intact in a form which we could translate into direct experience, just might surprise us by encompassing all our little factions.

I'll try to tack on some of the material from the Sanskrit.

Moray B. King

The 1976 Radionics Conference in Washington, D.C. turned up King's paper and I glommed on to it. He shows modern physics divided into two camps: 1. Stastical entropy, the possibility of aligning random, independent elements approaches zero as the number of independent elements increases. 2. There is no proof in physics that shows local connectivity is impossible.

The effect of the first kind of thinking is visible all around us, and is a kind of conservatism needed to counteract the tremendous pressure of kooks. In support of us kooks, King mentions several experiments which cannot be explained by the first sort of thinking. S. L. Adler, *Phy. Rev. D* 10, No. 11, 3714 (74) "Some Simple Vacuum Polarization Phenomenology." C. F. Brush, *Am. Phil. Soc.*, Vol. 67, 105 1928: Aluminum silicate falls slower than other materials. Hooper: *New Horizons in Electric, Magnetic and Gravitation*, address elsewhere in this publication. Kozyrev, "Possibility of Experimental Study of the Properties of Time," Sept. 67, JPRS 45238, U.S. Dept. Commerce, National Technical Information Service, Springfield, Virginia 22151. DePalma, "A Simple Experimental Test for the Inertial Field of a Rotating Mechanical Object" - *Journal of the British-American Scientific Research Association*, Vol. VI, No. 11, June 1976.

In addition to these is the Townsend Brown experiments, shown in greater detail in King's paper than in this volume.

One of King's drawings shows "plasma vortex," or helicon through the dielectric. This same motion, typical of stones dropped in water is cited by Schappeler and others.

King lists these hypotheses: one means of accelerating is ion propulsion. Along with this, avalanche breakdown in a dielectric is associated with: plasma formation, abrupt change in polarization, abrupt change in permittivity. Rapid modulation of permittivity is a transducer between electromagnetism and any of the following: zero-point vacuum energy, high frequency gravity radiation, high frequency permittivity waves external, extra-dimensional components of electromagnetism, neutrino flux, ether flux. Final hypothesis: a resonant field is produced

so there is a coherence of vacuum energy fluctuations, and this interacts with the naturally occurring space-time curvature.

We have noted, in abrupt sparking, the full radio spectrum is invaded. The vocabulary of science can represent the occurrence in full detail, eventually. Whether this will be done depends, among other things, on whether we decide we have a use for this technology.

Don Reed

Has devoted his energies and physics background to dredging up data on this subject matter. He has been occasionally surprised by the age of some of this material, and its apparent sources.

I. From psychic sources and from Wilbur Smith's group: experiments (Ottawa UFO Club). 1. When man first uses Odic power, method of release similar to atom splitting; dangerous, and loss of life. 2. The sun charges Earth with Odic force by day, and Earth releases it at night. Also implied by T. Brown's sider-eal radiation changes. 3. Atomic & hydrogen explosions cause Odic vortex suction pockets causing disintegration of matter. Related to binding force meter of Smith group. 4. Water is related to Odic force, can be electrically decomposed as well as used in psychic experiments. Atlanteans were supposed to have apparatus for converting controlled lightning into water; precipitated from ether. Added to this is Tesla 1899 experiments, and Schappeller text. 5. Inter-galactic flight is not regular motion, but is attunement of ship field to cosmic electromagnetic force; light year distances accomplished in minutes. 6. Crystals and metals are parts of Odic force generator. A. Gold has affinity for Odic energy, acts as suction device if other conditions are suitable. B. Silicon conducts Odic energy, can be used to construct indestructible metal. Born out by layer of silicon next to iron core of second generation stars, nuclear lab experiments, and Kervran. C. Copper is more sensitive to higher psychic vibes than most other metals (devices by World Federation, Lakhovsky, and others promoting plant growth). See Scientific American on metal and organic "sandwiches" superconductors at room temperature. D. Odic energy for healing is generated by rotating or vibrating a crystal. a. Ruby-heart b. pearl - colds. This is BHATTACHAVRA of India: cosmic ray therapy. 7. Teleportation, time travel, psychic effects are produced by electrostatic and magnetic fields. A.U.M. tape, Puharich experiments, Van Tassel "Integratron," Lakhovsky's multi-wave oscillator. (Compare to accellerator tube which has rings at greater and greater distances).

II. Vocabulary of Ottawa UFO group in explaining some effects: 1. Gravitation is an electrical polarization caused by the non-cancellable "skew" electric field of elementary particles. The skew field causes a local space-time distortion. Relates to Einstein conclusion that gravity curves space and time. The tempic gradient is dynamic. 2. Dynamic tempic gradient can be artificially produced by longitudinal magnetic gradient (magnetic current involving a toroidal field) (is this Hooper;s motional electric?). 3. Dynamic tempic gradient causes entry into our particular 3D space-time.

III. From Arthur Young: Universe is toroidal, and so are elementary particles. A Unified Field theory must concentrate on basic absolutes like spin or angular momentum (implicate order?) Velocity of light is not absolute, being a relative intensity of the tempic field which defines the limits of our physical reality.

All planets of our solar system are populated, but at a different tempic intensity. Device to detect this could be a camera with three requirements for response: 1, heat or emotional energy. 2. electric fields, 3. moisture (hydrogen

and oxygen energies). Reed is looking for data from and for photo buffs in this psychic photo direction. Since we assume silver bromide responsive to specific spectrum, perhaps other materials...or else transducing equipment. Kirlian places spark gap phenomena in neighborhood, thus transducing. Perhaps there are better methods of opening the spectrum.

Math formulations relating electricity & magnetism to gravity:

(I don't show Reed's complete paper, just the final expression to show his conclusions).

$$K = -\frac{EM}{c^2} \frac{\partial}{\partial t} \int_V (\vec{E} \times \vec{H}) \delta T + \int_S (\epsilon \vec{E} \vec{E} + M \vec{H} \vec{H}) \cdot \delta \vec{\tau} - \frac{1}{2} \int_V (E^2 + M^2) \delta \vec{\tau}$$

Assuming free space conditions: $E=M-1$. Miles Hayes argument - why this shows mechanical force. Through the general nonlinear differential equation $D\psi = \frac{1}{2} \psi^2$ the expression $\vec{E} \vec{E}$ is also mechanical momentum. The first integral on the right represents time dependent term of inertia. The remaining integrals must therefore represent the space dependent term of gravity. The whole expression for K reduces to the first term when the surface integrals vanish at the boundary of the field. This leaves $K = \frac{1}{c} \frac{\partial}{\partial t} \int (\vec{E} \times \vec{H}) dt = \frac{1}{c} \frac{d}{dt} (M\vec{V})$ Newton's second law.

Further investigation into the K formula: last two integrals by their nature can be interpreted arising from STRESS acting on the surface bounding stress is a tensor quantity, so must be gravity per Einstein, but not necessarily by complex abstracted analysis. Wilhelm Laun also says gravity is a tensor. Hays and Laun agree that the electric and magnetic field vectors of gravity cannot be recognized individually. Gravity is therefore not a fundamental force, but a derived force, from the sum of \vec{E} & \vec{H} factors.

A Correlation of Searches For A "New Vector"

I. The question of practical generation of Odic force field from conventional electromagnetic technology.

A. TNS- a tempic (Odic) field should result when an electric field operates on a magnetic field. Increase the tempic field on one side, and decrease it on the other, so the motion closes into a loop. When a magnetic field produced by a moving electric field is moved longitudinally, a tempic field results.

B. PPSM- Schappeller says the only way to produce a true electric generator is to produce an electrodynamic field in which the electric field is stationary (static) while at the same time a magnetic current is produced (glowing magnetism).

C. Antrim (speaking through Mark Norman) Huge copper coils conduct the electronic (Odic) forces from our atmosphere. This arrangement sets up a counter current of magnetism which increases or intensifies the Odic force by an interplay of light energies acting upon sensitized plates providing gyroscopic action. "Electromagnetic gyroscope."

4. TNS- (The New Science) - Electric field must be folded back on itself to have required divergence. This establishes condition where magnetic field is entirely closed on itself about a tempic field core, with electric field interlaced with alternating polarity. Looks like a string of doughnuts of alternating magnetic direction stuck together with electrostatic icing of alternating polarity. All are threaded on a string of increased tempic field and placed inside a tube of decreased tempic field.

II. Artificial gravity

A. TNS - Gravity is a dynamic field function and is the product of gravitational (electric) field divergence and the square of the polarization (electric) induced in the attracted piece of matter. Gravitational field-the skew electric

field, or induction from the motional magnetic field. To control gravity one must alter the divergence instead of the local polarization, since changing divergence will alter both magnitude and direction of force. Polarization, however, is math positive, definite (square function) therefore cannot be negative.

b. Laun-gravity field operates like the electric or magnetic, but is not a blending of both, but is a required proper force effect identical in sense to Lorentz force, but is not identical to the standard electrostatic attraction force.

III. The triune field fabric of physical reality.

- A. TNS a. tempic field (mean parameter of change) a scalar (has direction only in relation to gradient) has least constraints. b. electric field (quadrature performed on tempic field yields divergence parameter whose field is the electric) a vector and a scalar characterizes it - more constraints than tempic. c. magnetic field (quadrature operates on electric field through tempic to yield "curl") a vector and scalar characterizes it - the most constraints of all three fields.
- B. TNS - the ultimate physical particle is a toroid with components of all three fields in all directions.
- C. USP. Ultimate physical unit is a vortex ring with triply orthogonal field structure.
- D. Gallimore, UFO, physical field structure of three mutually orthogonal field vectors: electric, magnetic, and "X" force.

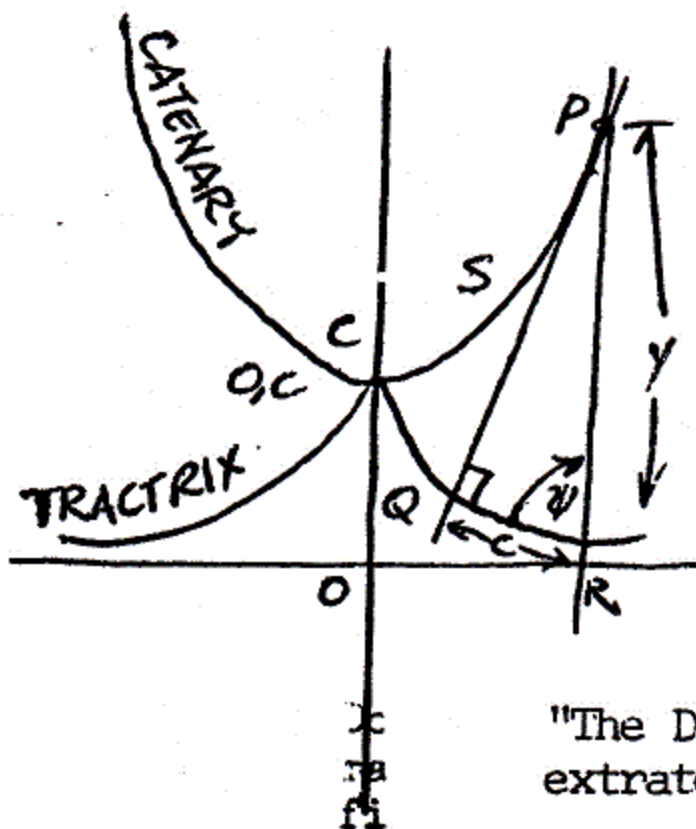
(Reed mentions that more correlations can be cited. I think it would be helpful for the rest of us if researchers could boil down the things this way - then if we partly understand one item, the rest will clarify it, and it make the rest clearer).

Current Murl Smith address (July, 1976) 810 Canterbury #507, Ottawa, Canada K1G 3A8. "New Science" currently \$2.50.

An approximation, and perhaps equality relating of fine structure, pi, and Naperian log base

$$\alpha \cong 16 \pi e \quad (\alpha \text{ fine structure, } \pi 3.14, \text{ etc., } e \text{ Naperian base log})$$

Question: can ϕ also be related to these? Note that e is not universally orthogonal, whereas the other two are. In an indirect way e is related to gravity because the equation describing the shape of a flexible chain hanging due to gravity is $y = c \cosh(x/c) = c(e^{x/c} + e^{-x/c})/2$ Is there a geometric relation to gravity described by the catenary equation?



$$y = c \cosh(x/c) = c(e^{x/c} + e^{-x/c})/2$$

$$CO = RQ \quad CP = PQ \quad PQ \perp RQ$$

$$Y = c \cosh(x/c) \quad S = c \tan \psi$$

$$Y^2 = S^2 + C^2$$

Note that when tractrix is revolved around the X axis, it becomes a 3D pseudosphere.

"The Document" (TD) paper on gravity, allegedly received from extraterrestrial informant: gravity is an oscillating electro-

static, not Maxwell-Gauss, but its specific nuclear mechanism has been difficult to pinpoint. Correlates with Searl, Hooper, T. Brown: gravity polarization needs potential of 10^8 to 10^9 volts, well over flashover of terrestrial dielectrics; plus oscillating field vector. TD claims this is nuclear 10^{24} Hz. Macro: 10 Hz which is sonic.

Wilhelm L. Laun: origin of gravity force may be in the elementary particle; a combined tensor force, electrodynamic. Localized gravity field requires high potential, high frequency not fitting Maxwell's equations. Artificial gravity vortice might attain required frequency by rotation: $V = 2(\pi r^2)\omega$ A centrally directed vector potential, rotating or gyrating. World Federation describes "bubble" hence, gyration.

Wallace: mutually orthogonal flywheels, prevention of precession of inner due to torque of outer. (Wallace patents: Dec. 14, 1971 - # 3,626,605).

Tesla drive, and Dean device, using gyration. Seike "Ultra Relativity," chapter 8, conventional electric technology must be modified to produce the field.

Extra-terrestrial sources.

In many cases, as in the Laithwaite device, the original inventor describes his conception as coming from "Out There." In one way of considering this, the state of mind which is creative is not the same state of mind which copes with everyday reality.

Ether-stress-flex is intuitively the speed of light or tempic field intensity. α is the fine structure constant; the ratio of the velocity of light to the velocity of the electron in the first orbit of the Bohr hydrogen atom. Circular to linear ratio implies orthogonality. Further connection of orthogonality to Maxwell, to hydrodynamics, to relativity is a logical progression, but arrived at intuitively.

To separate objective mentality from intuitions: A. a novel thought is perceived which does not reconcile with the objective processes and memory bank. This bolt from the blue must usually be rejected. This process of rejection must be changed from automatic to conscious. B. The intuition carries a delicate but perceptible sensation of its ultimate rightness. If one can become aware of this feeling, it keys criterion for recognizing thought impressions from higher consciousness faculties. C. If the intuition can then be recorded by some mechanical means, it can later be tested and re-tested rather than forgotten.

All human social systems tend to solidify thought due to the necessity of keeping people in check. At least since the fourth century a.d., this has worked toward the destruction of the true occult Atlantean and Egyptian teachings concerning the intuition and "the god" within one's being. Human social, political, economic, scientific, religious institutions tend toward structures not in accord with Cosmic principles. "Celestial" events in the 1970's will support changes the individual begins now to intuit, and in the 1980's, many of our false monoliths will dissolve.

Reed: The Main Issue

Formulating a correct understanding of the relation between mass and charge. If an electric charge in an electric field acts to avoid energy radiation, it will move to produce a distorted field. The ambient field producing acceleration prevents radiation. From this non-radiation of the accelerated charge comes inertia. This can be applied as well to the macroscopic world of so-called electrically neutral matter.

From this and Harold Aspden, and the cardinal points of TD one can derive Einstein's Special Relativity conclusions without Lorentz-Fitzgerald contractions, simultaneity, or constant light velocity. One uses Energy, Velocity, and Charge instead of Space, Time, Mass.

New Zealand Researchers

R. Ashley Falk, and the Virmanas: has such items as Vymaanika Shaastra Academy of Sanskrit Research data on construction of ancient aircrafts. One manuscript is "Aeronautics" by Maharshi Bharadwaja. Roofhopper Enterprises, P.O. Box 19-217, Avondale, New Zealand (Auckland 7).

"How to Build A Saucer" by Y. N. Ibn A'haron, B.D. The Chaldean saucer was flexible, had two cabins on top. Three spheres vibrate on the underside of this marvid. A copper coil is wound around the main sphere. For forward flight, the graphite rod touches the two rear spheres. The coil is likewise attached to an insulated wheel. A turn of this changes the number of coil turns around the main sphere, and the degree of contact between rod and spheres. A crystal indicates the necessary position of the wheel.

C. B. Wynniatt sent me a great file of information. The antigravity history has been mysterious, because so many obvious principles are suppressed. This is descriptive of human character, and the human situation on so many counts, that it becomes too revealing for many, and is dismissed as sinister. In an age touted as "enlightened," there are too many tragedies, and we tend to view this investigation as uncovering far too much of the question "why are we here?" Wynniatt has written to many people in attempts to compile these fragments, and among other things, has about 4,000 pages of T.J.J. See. There is quite a volume of work, widely ignored, which explains the anti-gravity effect or rotation in the ether. Such information has been around for a while, and yet here we are still "born yesterday."

Wynniatt's summary of See's Theories

Gravitational, magnetic, electrostatic, and mesonic force fields are explained as longitudinal (compression) waves in the ether, of widely differing wave length. In order of descending wave length, they are roughly of the same magnitude as the distances over which they operate. Light, heat, radio, etc., are transverse (shear) waves in the ether.

Longitudinal ether waves emanating from bodies couple so as to produce an ether vacuum between the bodies, and ether pressure outside. This pushes the bodies together for attraction. The greater the field, the less the density of the ether. In the extreme case this becomes so rarified as to prevent the passage of further ether waves. The relativity idea may possibly be reconciled with the notion of an ether if the apparent increase of mass of a body with velocity is rationalized by increasing drag resistance by a viscous ether.

See's theory explains the anti-gravity effect of rotation as found by Laithwaite and others: If a massive body is rotated at critical speed, the associated ether is set in motion, producing an ether vacuum, preventing the transmission of gravitational force. This theory explains the role of intense electrostatic and magnetic fields causing anti-gravity "shielding" as in Tesla, Brown, and Searl devices.

Ether-rotation theory is in Uri Geller biography by Andrija Puharich. In a note to Prof. J. G. Taylor, Univ. of London, King's College, Wynniatt was anti-Einsteinian, inadvertently discovering that Taylor was a specialist in relativity,

and has published several books on the subject. Also, Taylor worked at the Institute for Advanced Studies, not agreeing with Wynniatt that the Institute is biased toward relativity. So goes coincidence and scholastic arguments.

WAVE-THEORY!
DISCOVERY OF THE CAUSE OF GRAVITATION!
BOOK VIII.
A NEW AND ABSOLUTE PROOF OF THE WAVE-THEORY OF
GRAVITATION, DRAWN CHIEFLY FROM THE NATURE
OF THE ARCHIMEDEAN NUMBER
 $\pi = 3,141,592,653,689,793 \dots \infty,$
DEFINITELY SHOWN TO BE AN INFINITE OSCILLATING SERIES, NUMERICAL
WAVES, CORRESPONDING TO DYNAMICAL IMPULSES, PHYSICAL WAVES
IN THE AETHER, AS POSTULATED BY HUYGHENS AND NEWTON
(1673-1687), FOR THE CURVILINEAR MOTIONS OF THE STARS
OBSERVED IN THE IMMENSITY OF SPACE.

PART I: RESEARCHES ON THE NATURE OF INFINITE SERIES, (pp. 18-73):

The remarkable Discovery that π is an Infinite Oscillating Series, yielding a new Theory of Curvilinear Motion;

Illustrated by:

$\varepsilon = 2,718,281,828,46 \dots \infty$, a non-oscillating Series, (p. 39).

$\pi = 3,141,592,653,689,793 \dots \infty$, an oscillating Series of numerical Waves, (p. 44); the latter corresponding to the Dynamical Waves of the Physical Universe. (pp. 45-73).

"Although he was very competent, technically, his work was reputed to be characterized by a lack of self-disciplined self-examination, and he had a tremendous, bombastic egotism (which led to his publishing a huge tome called, "The Works of T. J. J. See"), and which, when, as a graduate student, I met him, instantly dominated the room, aided by his well-over six feet of raw-boned physique, booming voice, and impeccable dress. Because of these characteristics, most astronomers of the thirties, held his work to have little merit, and he was, unknown to him, somewhat of a laughing stock. This paragraph is, of course, off the record."

The above is a first-hand report, the author of which would probably rather remain unquoted, but it supports the attitude of the scientific world since the 1930's. We can understand how such an immense scope of work would be ignored, and physics more directly associated with the bomb would be more popular. Historical conditions shape theory.

Cayce Readings

People seriously working with the psychic, trying to get substantiation via scientific method might agree we're going the long way around the horn in using psychic sources as examples of support for physical theories. Here tis, anyhow: T. J. J. See was named in an Edgar Cayce reading as the scientist with a sound theory to the solution of the riddle of gravitation.

(That it is still referred to as a riddle is a political situation. How far those boundaries extend, we can only guess. Nevertheless, those who seek, find. Those who don't seek, but merely follow are in the majority. Following is tough enough).

Anyway, that insight is in an article in the April '76 Psychic Observer. Rolf Schaffranke presents a concise overview of the anti-gravity situation, aside from its having been a dangerous and touchy subject for many years.

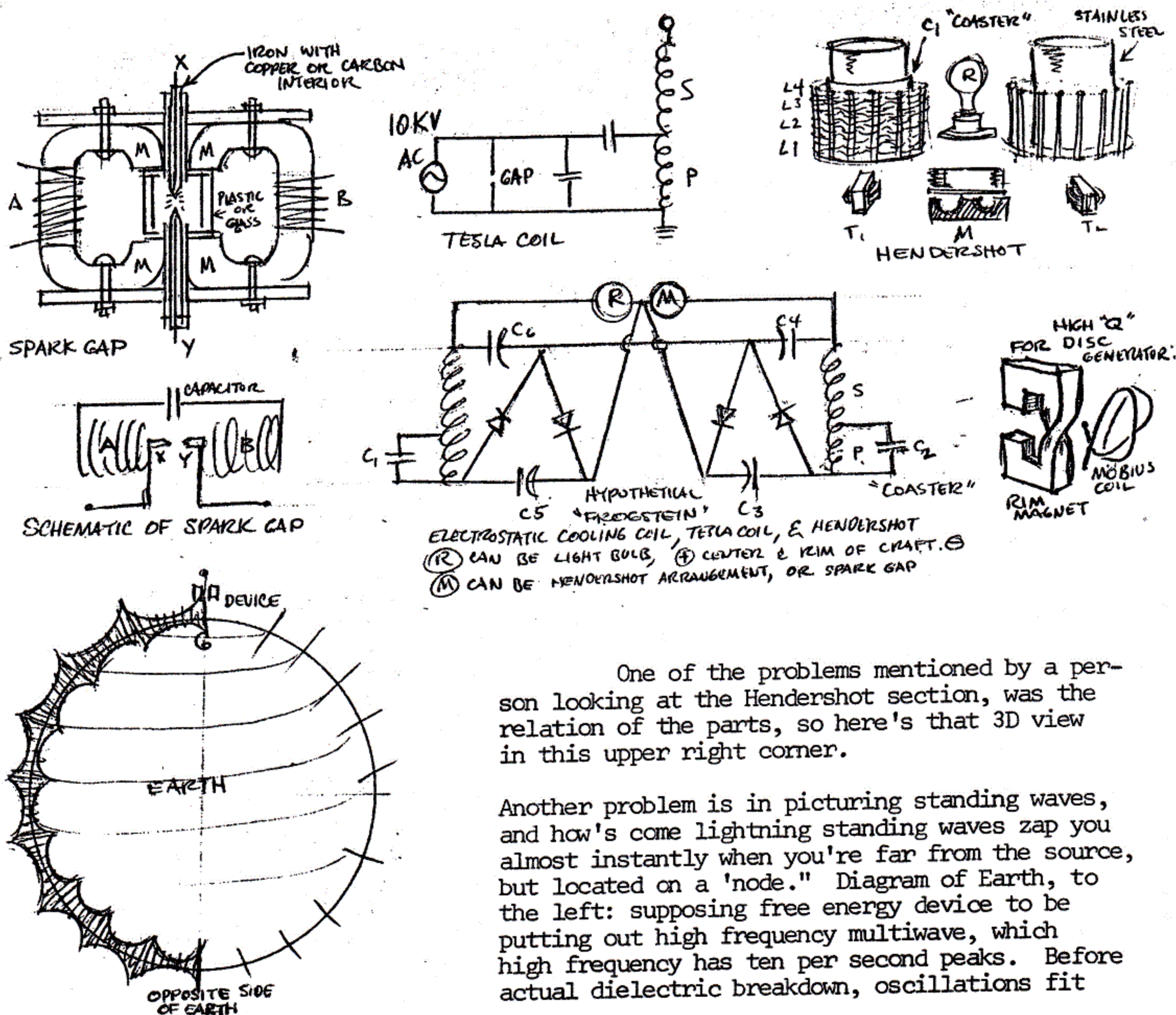
Searl

C. B. Wynniatt corresponded with Searl, and received a list of the problems to be encountered in trying to develop the new technology with private finance.

	Costs	1968	1976
Starship Ezekiel demonstration craft		£ 10,00	£ 100,000
Home (no fuel) domestic power plant demonstrator		£ 3,000	£ 9,000
Home power plant production line model		£ 100 ea.	£ 250 ea.

Many have advice, but few have commitment. Searl judges from these rising costs that future development will be even slower. "The people of the Earth badly want this technology, yet are so blind they cannot see the TRUTH before them."

Correspondents are requested to include return postage, and I'll say it would be well to add some the way rates are jumping.



One of the problems mentioned by a person looking at the Hendershot section, was the relation of the parts, so here's that 3D view in this upper right corner.

Another problem is in picturing standing waves, and how's come lightning standing waves zap you almost instantly when you're far from the source, but located on a 'node.' Diagram of Earth, to the left: supposing free energy device to be putting out high frequency multiwave, which high frequency has ten per second peaks. Before actual dielectric breakdown, oscillations fit

the peaks of standing waves. At breakdown, all peaks of standing waves jump at once. No? Oh well, next edition....

We adapt our ideas to available materials....I've got some Alnico U-shaped magnets, and intend to add them to spark gap in my display Tesla Coil. Device in Tesla Patents and Articles is designed for rapid break of the spark. There, the electrodes run at right angles to field. X,Y shown here is parallel to the field. I'm supposing here, that the A and B coils will alternately break the gap. To narrow the flux gap as much as possible, steel tubes will be used, and these insulated from the magnets.

I've been drawing a lot of hypothetical Frogstein Hendershots - here's another one. Requirements: 1. Initial static and magnetic stress. 2. dielectric breakdown and coil displacement stress should be simultaneous. This must be a harmonic of Earth frequency 10 cycles, standing waves 3. A system of "coasting" must store that stress to initiate next cycle.

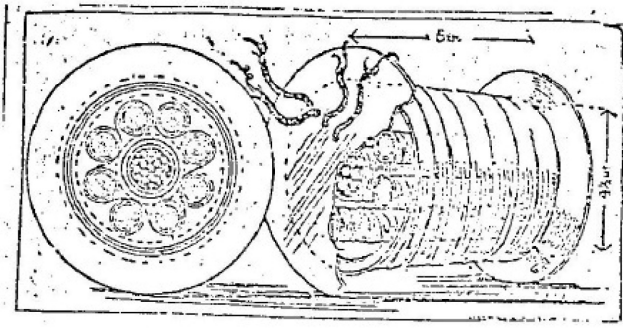
World Federation of Science & Engineering: September, 1976

A great deal of care went into the direct transcription of notes from 1938 describing a set-up used for rejuvenation. People already working with radionic energies and water, and those who have read T. Brown's work, or who have done radiesthesia will have insight into the workings of the apparatus. The clearest possible job has been done by a mechanical engineer in amplifying the charts and drawings. He has refrained from personal interpretations, so the reader can make his own analysis. The energies are refined to planet divisions. The 1938 source was a psychic, and the notes have remained unpublished until this time.

FINIS

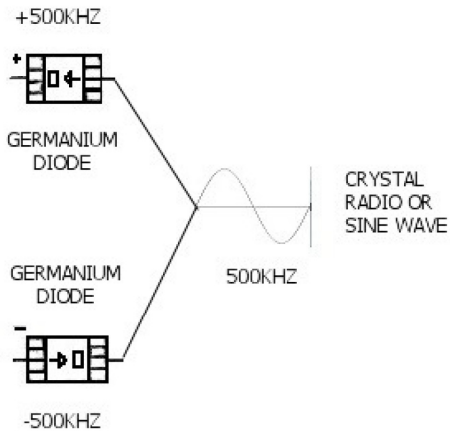
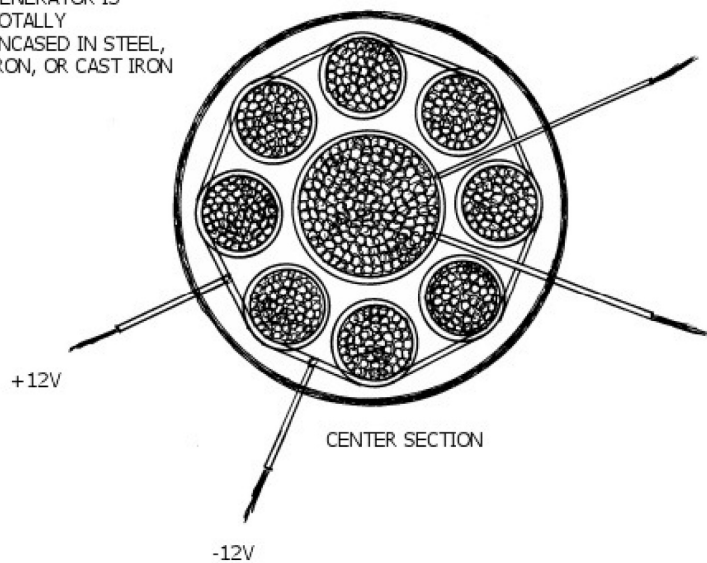
Excerpt from the book "Magnetic Current" By ED Leedskalnin

When you were making the small magnets with a single copper wire you wasted too many North and South Pole individual magnets. You only got in the steel wire very small part of the magnets that came out of the copper wire. You are still wasting the North and South Pole magnets. You do not get one half of the magnets in the steel or iron bar from those which are in the coil. **To get more magnets out of a coil put the coil in steel or iron tube, then the tube outside the coil will be a magnet the same as the coil's core, but the magnet poles will be opposite. It means at the same coil end if the core end is North Pole the tube end will be South Pole. In this way you will get almost again as much magnet out of the coil and in the core and tube.**



The Hubbard coil from the Seattle Post Intelligencer of 27 Sept. 1928. The dimensions are 6 in. long and $4\frac{1}{2}$ in. diameter.

GENERATOR IS
TOTALLY
ENCASED IN STEEL,
IRON, OR CAST IRON



In basic, the Hubbard Coil is a large elector magnet generator of high frequency with no moving parts. You have 9 coils, the center coil has a diameter of 49mm, the eight outer coils surrounding the center coil have a diameter of 30mm. The key is the coil length. All the coils have the same length 146.05mm (5.75 inches). A magnet field has a "frequency" and all magnetic fields are "identical" in the "same" frequency (5.75 wavelength). All the coils are wrapped on thin steel, iron, or cast iron rods with copper insulated wire. The eight outer coils surrounding the center coil are wired in a series. Then solder two wires coming off one of the eight coils. Pick one coil, solder one wire at the top and bottom of that coil. You want the coils to be totally encase in steel, iron, or cast iron. So first want your coils sitting on a steel, iron, or cast iron plate. Then you want to have steel, iron, or cast iron cylinder to go around the outer eight coils. The outer cylinder should have at least a 3mm gap to all the eight outer coils. Once you have the cylinder in place. Top off the cylinder with another steel, iron, or cast iron plate. But make sure you have 4 holes for the two wire coming off the center coil and the two wires coming off of one of the eight outer coils. Also make sure you have something that fastens the two plate together with the cylinder and coils sandwiched in between. Now take the two wires coming off one of the eight outer coils. Now take a 12V battery. Tap one wire with +12V and the other wire with the -12V. This sets up your electromagnet with alternating north poles and south poles on all the eight coils. To start the generator, take a crystal radio at (500khz) or some other sine wave at (500khz) polarized with two germanium diodes. Meaning one diode is plus and the other diode in flipped around to be negative. Take the two wires coming off the center coil. Tap one wire with the +500khz and the other wire with the -500khz for a fraction of a second. Now the center coil should be flowing with electricity.

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SOME YEARS AGO YOU WENT TO SCHOOL

Did You Learn —

- How to control your emotions?
- How to eliminate feelings of inferiority?
- How to attain reasonable desires?

Did You Learn —

- Wisdom is not knowledge of isolated facts?
- That man is physical, mental and spiritual?
- That to have peace of mind these three
must work intelligently together?
- That to live according to PRINCIPLE
means health, happiness and success?

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ment, write*

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1230 N. Cascade Avenue
Colorado Springs, Colorado

land "light" showed a tendency to recede when approached at a certain distance.

You may recall a letter of mine in the May-June, 1951 issue of FATE, relating to a theory on this repulsive action of flying saucers when approached by airplanes. I stated then it seemed more likely an electrostatic principle was used rather than repulsive radar, as advanced by Mr. Raymond Palmer in an article in the January, 1951 issue of FATE.

An electrostatic or "capacitive" repulsive system would be much simpler and less bulky than something utilizing repulse radar. Capacitive-operated relays are inexpensive and known in the electronics industry. — *George Wetzel, Dundalk, Md.*

Light at Two O'clock

On December 2, 1952, while driving west of Denver, Colo., on West Colfax, at about 3:42 p.m., my son, Gerald, asked if I could see anything in the sky. I asked, "Where?" He said, "At about two o'clock."

Looking in that direction I saw a very vivid, large, round, silver-blue light. No clouds were in the sky.

The light did not appear to be above Golden, but further west and very much above the mountains. Gerald made note of the

THE SECRET OF THE HENDERSHOT MOTOR

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Price \$3.75

PREFACE

The Hendershot Motor was the first motor of its kind to run without any EXTERNAL source of energy, but ran on the current produced by the Earth's Magnetic Lines of Force, and we wish in these pages of drawings and explanations to show you, that you can build this motor, and many other versions of it, such as a motor run as a Full-wave rectifier, which in essence the Hendershot Motor really is; A RECTIFIER OF THE EARTH'S MAGNETIC LINES OF FORCE, consisting of: an armature of a two-current type equipped with a commutator, is rotated in the Earth's field. These coils are placed where magnetic disturbances are at a minimum. Around the coils is an electromotive permanent circular magnet around which is wound, coils running in a direction opposite those of the coils of the armature, causing the magnetic lines of force to "touch" therefore causing the armature to rotate in the direction opposite to that of the Earth's rotation. Induction is therefore set up between the armature and coil wound around the Magnetic Ring, sending the induced current to a field and armature as that of a conventional type electric motor i.e. the armature of the motor being the same as that of the two-current armature, i.e., they are both mounted in tandem on the same shaft. The Permanent Magnetic ring is used to sensitise the area of the coil's induction for gravitational currents. Coils are wound and connected to produce a closed circuit.

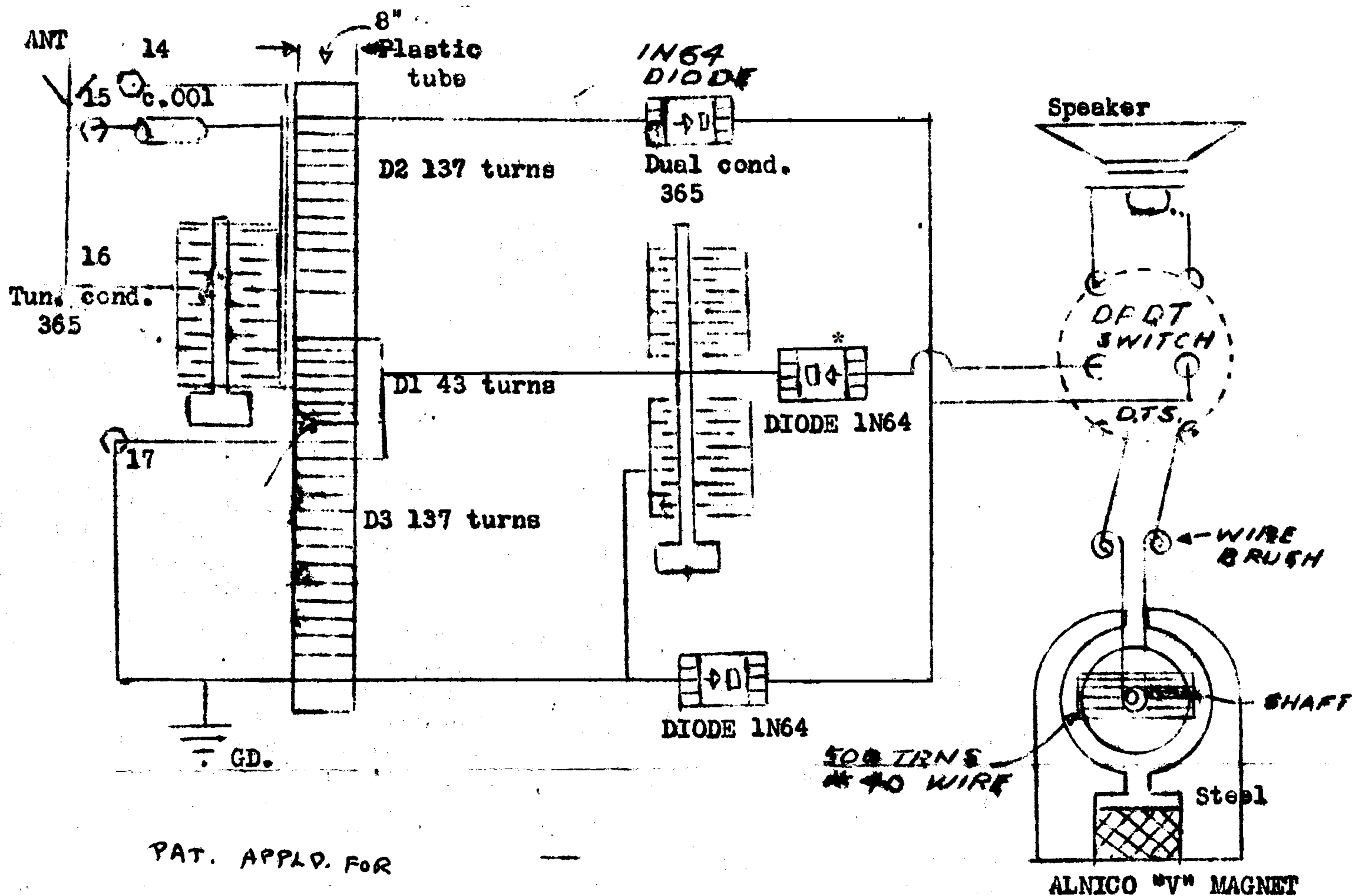
The principle of the Hendershot Motor having been derived from the Earth Inductor Compass, the principle working on the fact that the shifting of the field from East to West caused the rotary motion, the same force being the one that pulls the compass needle. With a premagnetic core, he set up a field that indicated true N.

The principle also having been derived from the aircraft Earth Inductor Compass, 8.3., by cutting the same line of magnetic force N & S he indicated true N, and by cutting the magnetic fields E & W he developed a rotary motion. The winding of the magnet in the motor was so that it would rotate in the opposite direction of the Earth's rotation. The motor was stopped by breaking the magnetic field on the windings.

A. D' ANGELO, a priest, from Spain: ION Energy; Made use of inter-atomic energy to generate many times the power it receives originally from an electric battery. It started to develop energy from an electric battery and this impulse originally started by the battery started a generator which generated many times its power through the electricity produced by the inter-atomic energy of the ION.

VERSION #2 OF THE HENDERSHOT MOTOR

The self-energized motor is made to operate by sending the rectified energy of the Magnetic Lines of Force through many turns of copper wire rotating in a powerful magnetic field between the soft iron armature and the two steel poles within which field is inserted a piece of Alnico V permanent Magnet. (Cont'd next page)



Alnico V has an external energy of 5,000,000 and is the best type for use in this kind of motor.

The pick-up circuit used in this Magnetic Motor is sensitive and selective and is unusually unique in that it uses two diode rectifiers no's. IN64 in a push-pull idea. The efficiency is further enhanced by tuning the antenna coil as both halves of the secondary. The D. C. output will astonish the greatest electrical engineers in the world.

Two IN64 Geranium Diode Rectifiers are used. The primary coil D1 is wound between the two D2 & D3 of the secondary coil. The main tuning capacitor is a dual 365 MUF. The primary coil is tuned separately by means of a single 365 MUF variable gap. For RADIO frequencies of lower than 850 KC, a fixed .001 MUF by-pass is used, and connected in parallel with the primary trimmer by plugging the ant. #15 and short #15 & #16 together.

The coil is wound in three sections on a piece of plastic 8" tube, 3" long, and the coil turnings being closely wound. D2 & D3 having 137 turns each, and D1 having 43 turns of #32 enameled copper wire each. The inner ends of D2 & D3 connected together and to the rotors of the main tuning condenser. Coils to be spaced 1/8" apart.

The Geranium Diode rectifiers IN64 are connected with their own leads between the stator lugs of the tuning condenser and one of the speaker jacks E1. (Cont'd next page)

*

The Geranium Diode rectifiers polarity circuit is to be carefully observed on the schematic drawing.

* * * * *

OPPORTUNITY FOR AN INCOME FROM
ROYALTIES

If your design around these principles of our Magnetic Motor are one of those accepted for manufacture and sale, you will receive from UTILITY ENGINES a patent contract to receive a royalty of 5 per cent of all manufacturers sales of the model designed by you.

YOUR DESIGNS AND MODELS MUST MEET THE FOLLOWING REQUIREMENTS IN ORDER TO QUALIFY FOR A ROYALTY CONTRACT.

- (a) It must a a new idea, workable, and have more power for practical applications.
- (b) Designs & models must be complete, and if disclosed to other outside sources, will not be considered. Your design must be patentable in the United States.
- (c) It must be practical and inexpensive to manufacture.

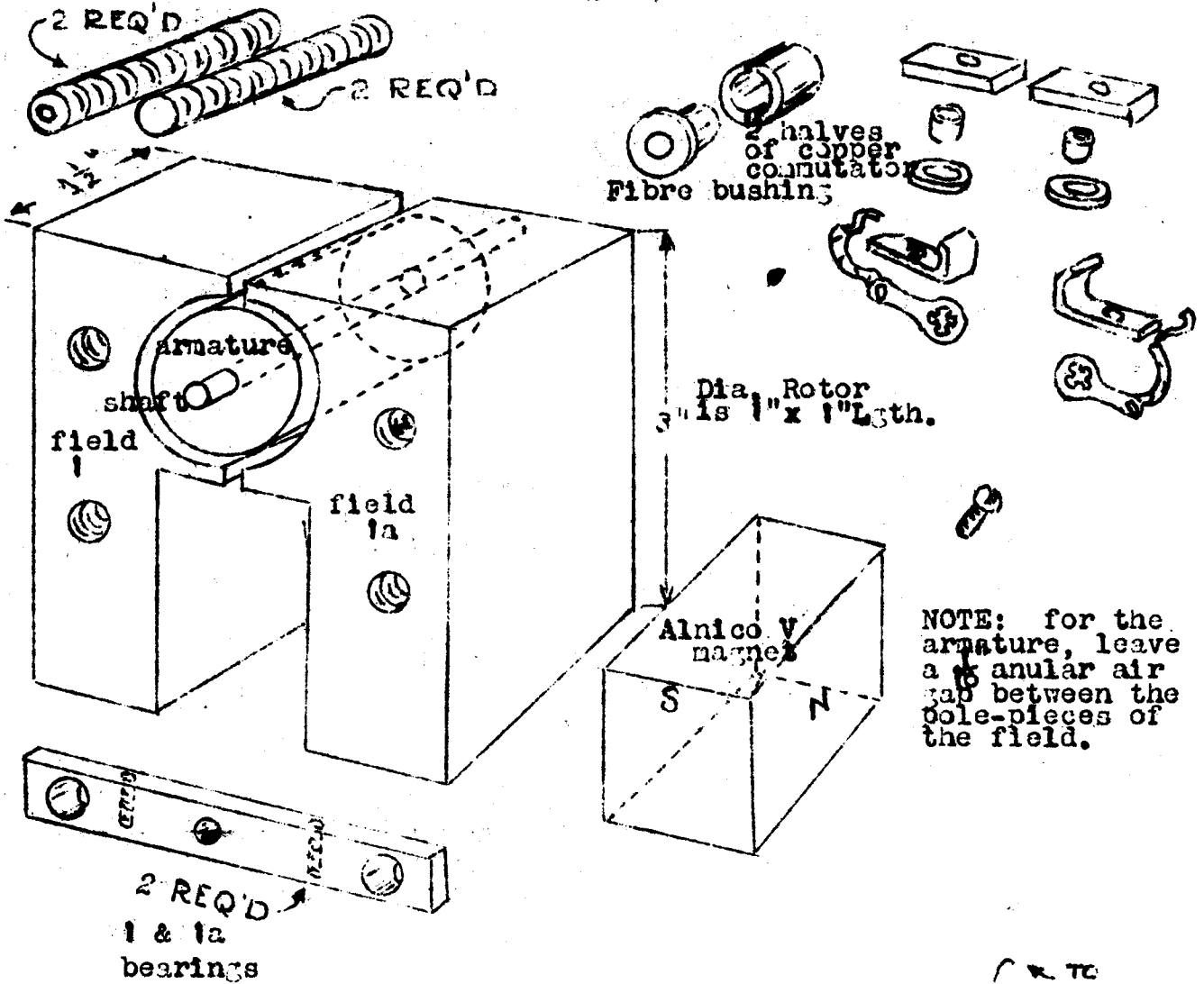
IF YOU HAVE ANY DIFFICULTY IN ACQUIRING ANY OF THE NEEDED MATERIALS & SUNDRIES? PLEASE WRITE TO US AND WE WILL TELL YOU WHERE THEY ARE AVAILABLE. IF THERE ARE ANY OPERATING DIFFICULTIES WHEN YOU HAVE BUILT YOUR MOTOR WE SHALL BE HAPPY TO RENDER ANY HELPFUL HINTS. YOURS FOR MORE AND BETTER SCIENTIFIC RESEARCH,

UTILITY ENGINES

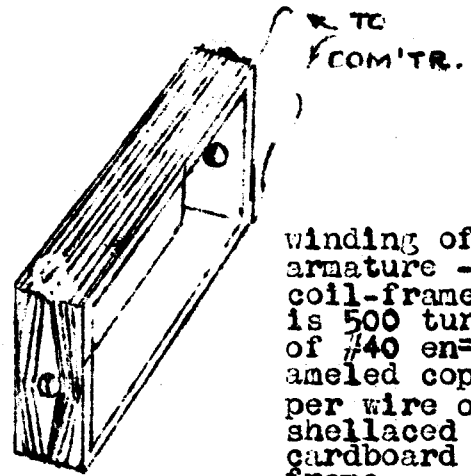
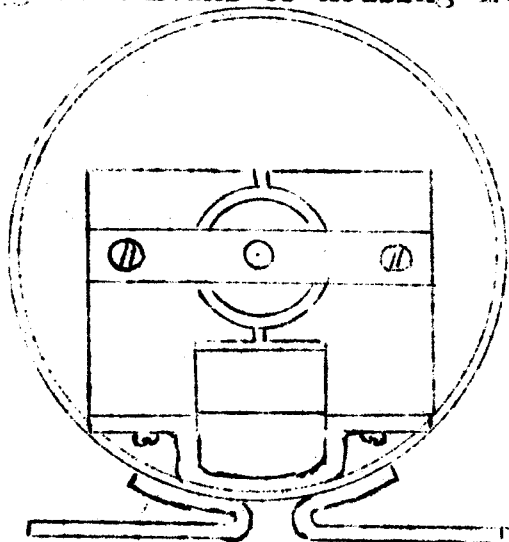
Lester Hendershot tried hard and was successful with his motor. Are you a "doubting Thomas"? There were many "doubting Thomases" until the HYDROGEN BOMB was discovered. Twenty years ago did you think you would be watching the inauguration of President Eisenhower in your own living-room? It could also be a fact that this magnetic motor principle is also related to the principle of the FLYING SAUCERS - who knows, but we aim to find out, or are you too a "DOUBTING THOMAS".

SUNDRIES

magnetic rings _____ \$15.00
Rotors _____ \$10.00



Suggested means of housing unit.



DRAWING 1
UTILITY ENGINES

PRINCIPLES OF THE HENDERSHOT MOTOR.

(EARTH)

The Inductor Compass was used by Col. Chas. Lindberg on his famous flight to Paris, France. The first of these instruments was built by the Pioneer Instrument Company.

It was from one of these instruments that Lester Hendershot built his first successful motor that ran without any outside source of energy.

The Hendershot motor is in essence a FULL-WAVE RECTIFIER, and therefore many versions may be designed and built around this, the ORIGINAL principle.

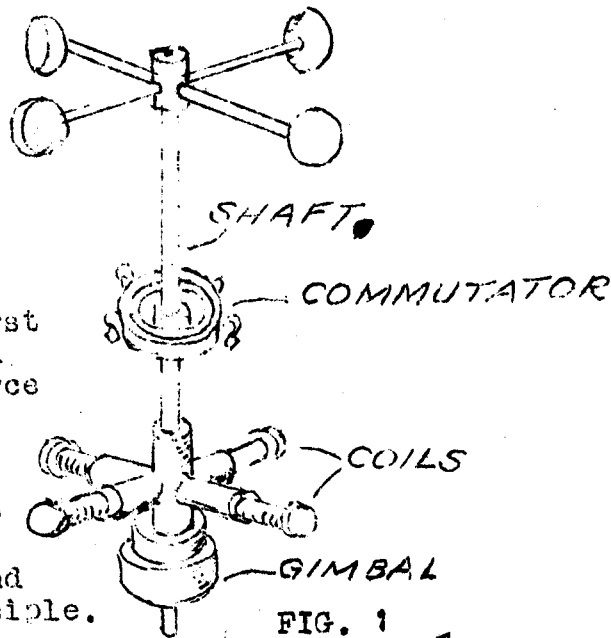


FIG. 1

This is the kind of Earth Inductor Compass Col. Chas. Lindberg used on his Trans-Atlantic flight in '27.

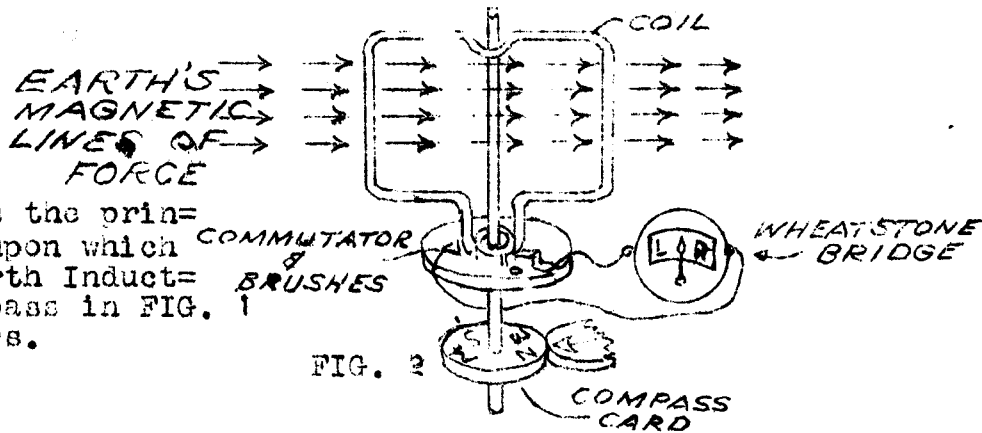


FIG. 2

This is the principle upon which the Earth Inductor or Compass in FIG. 1 operates.

Permanent Magnetic ring is used to sensitize area of coils induction for gravitational currents. Coils are wound and connected to produce a closed circuit.

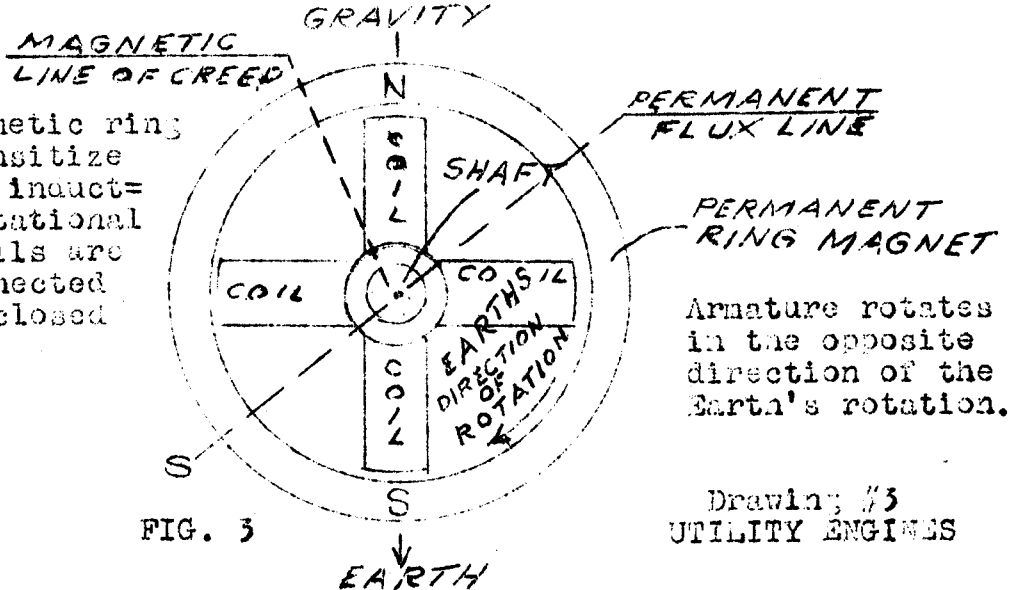


FIG. 3

Drawing #3
UTILITY ENGINES

THE EARTH INDUCTOR COMPASS & ROTOR
OF THE HENDERSHOT MOTOR.

Use is made of both the earth inductor and the dip circle for the determination of magnetic dip.

Current is generated by the rotation in the earth's horizontal field of a cross-shaped armature rotating on a vertical axis. The vertical position of this axis is preserved by a stationary means.

A four-segment commutator and four collecting brushes, spaced at 90 deg., take off current from the armature. The electromotive forces at the two pairs of brushes are the correct designation of the polar axis. The setting of the brushes is so made that when the N-S axis is in a line making an angle 0 with the Magnetic Meridian.

As is the case of an ordinary card compass, or other magnetic bar type compasses, there is no tendency for the needle of the compass to resonate in harmony of any direction of the fields of the magnetic poles of the earth. There are magnetic lines of force which cross one another near the magnetic poles, therefore creating false resonances causing compasses to record accordingly. The greatest and most direct force of the dip needle is sharpest at the magnetic equator where the angle=0 and the horizontal is at its greatest degree.

THE EARTH IS A TREMEUDOUS GENERATOR with lines of force represented as COIL WINDINGS. Telescopically the count of the magnetic lines of force are 1,257 per sq. Cm. in one direction, and 1,850 per sq. Cm. in the other, though do not contact each other if undirected. These lines of force are known as Eddy Currents. The lesser number of the Magnetic lines of force run at right angles to the poles, and the greater number revolve around the earth laterally.

The Earth-Inductor Indicator is used to indicate these lines of force. Use is made of both the Earth-Inductor and the dip needle (dip circle) for the determination of Magnetic dip. Current is generated by the rotation in the Earth's horizontal field of a cross-shaped armature rotating on a vertical axis. A four-segment commutator and four collecting brushes are the correct designation of the polar axis. The setting of the brushes is so made that when the N-S axis is in a line making an angle 0 with the Magnetic Meridian:

$$\frac{\sin \theta}{m} \cos \theta \neq \frac{\cos \theta}{n} \sin \theta = 0 \quad (\text{resonance})$$

The armature is on each arm with 500 turns of #20 magnetic wire, and arms are connected in series as a closed coil winding. In order to minimize as much friction as is possible, brushes are made of carbon.

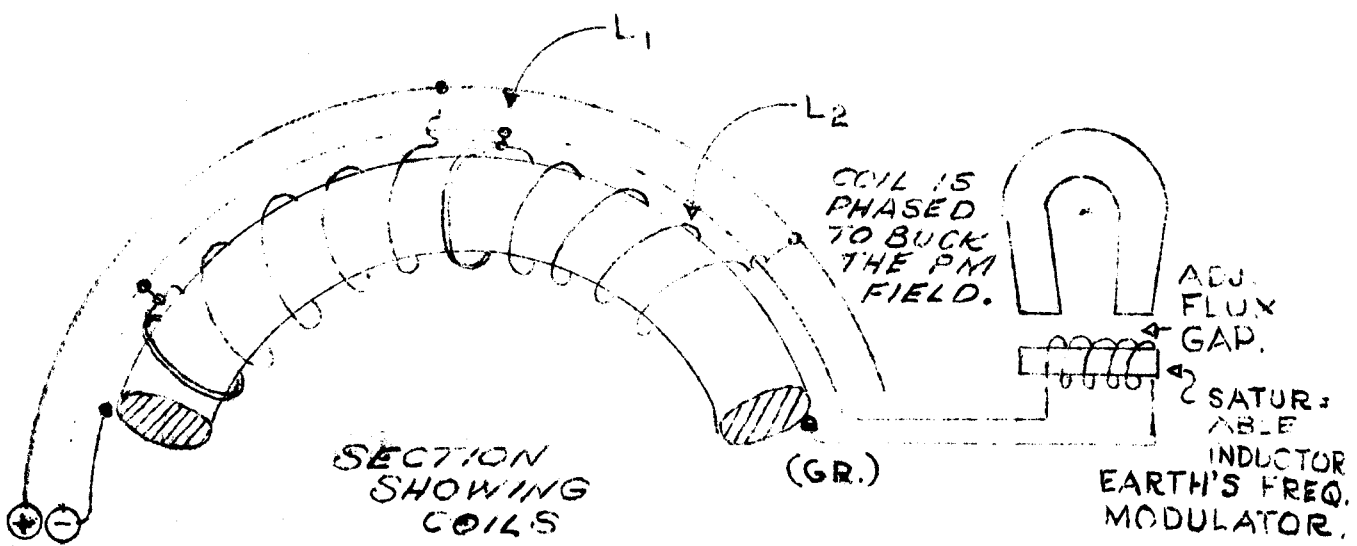
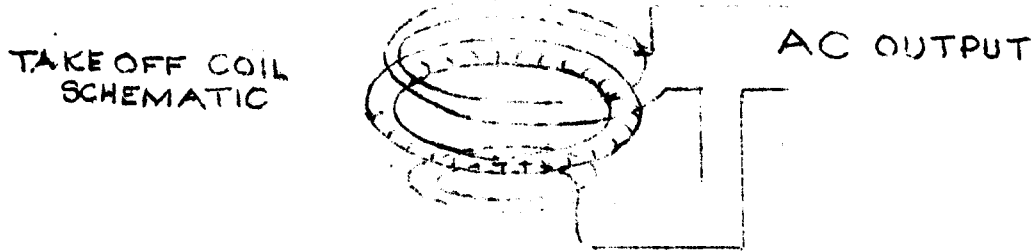
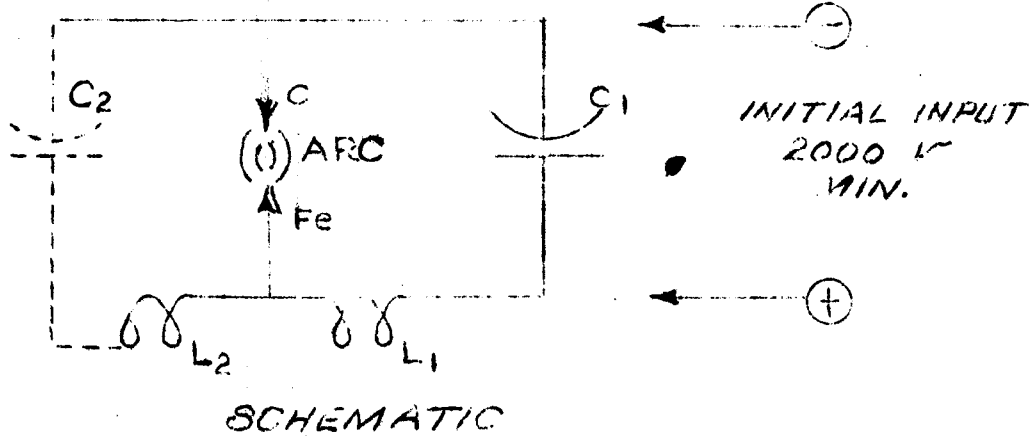
HENDERSHOT REVERSED THE ORDER OF HARMONIC RESONANCE and wound EIGHT coils instead of four. One set of four to resonate with the longitudinal lines of Magnetic force, and four coils to resonate with the latitudinal lines of force, and did not wind these coils to harmonize, but to create a disharmony to cause a repelling action at the poles, using iron-copper cores within the coils about the axis as a delayed-action phase in motion between the poles, thus causing a complete and continued rotation of the armature. The "ring" used by Hendershot was energized and used merely as a 'take-off' of energized current by the armature.

The current from the whole Earth is 100 Amperes constant, and the current from a sq. Cm. of the Earth's surface is 2 times 10^{-10} Amperes.

THE MAXWELL LAW) Electric and Magnetic fields, if changing in time generate each other and by their COMBINED action, PROPAGATE ENERGY as waves out into space (Magnetic Lines of Force) with the velocity of light (186,000 mi. per sec.) Lines of MF at 282,000 mi. per sec.

STATOR

Wiring Diagram Exclusive of Take off Coils.



(-) } INPUT
 (+) }
 Fe Electrode of Arc
 C " " "

UTILITY ENGINES.

4. John Keely

From the book Keely and His Discoveries Aerial Navigation

The suspension and propelling of an atmospheric navigator of any number of tons weight can be successfully accomplished by this exciting the molecular mass of the metal it is constructed of; and the vibratory neutral negative attraction evolved, will bring it into perfect control, commercially, by keeping it in sympathy with the earth's triune polar stream. There is enough of this latent power locked up in the embrace of the iron ore, that is contained in our planet, which, if liberated and applied to proper vibratory machinery, would furnish force enough to run the commercial power of the world: leaving millions of times more to draw upon, as the needs increase. **The velocity of the vibration governing the flow of the magnetic stream, comes under the head of the first inter-atomic, and ranges from 300,000 to 780,000 vibrations per second;** the first order above odour permeating the molecules, of the glass plate of the compass (with the same facility that atmospheric air would go through an ordinary sieve through which it passes), to arouse sympathetically in the needle the concordant condition that harmonizes with its own. The course of this sympathetic flow is governed by the full harmonic chord; and, consequently, moves in straight lines; thus transmitting its sympathy free of molecular interferences.

(1976) "That science as a whole is a reliable source of information is due to the people who go to the effort of keeping orderly records...." John Bigelow has encompassed many theories originally developed over one hundred years ago by such scientists as Tesla, Keely and Frogstein and expanded upon them, explaining in simple terms such phenomena as Energy X, Activated Water, Anti-Gravity Devices, Free Energy, Fuel-less Propulsion & Power Systems.

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