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Wilbert B. Smith:

Gravity Control / Binding Force / Caduceus Coil

Letters, Circuit Diagrams, etc.:

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Wilbert B. Smith

(1) Letter to Dr. William Hooper (July 6, 1959)

July 6, 1959

Dear Dr Hooper:

Your telegram was phoned to me just as I was getting ready to go on a field trip to determine the electrical conductivity of Lake Ontario. So I grabbed a handful of essays, put them in an envelope, and sent them off to you although I didn't have time to write. I hope there were sufficient copies. If not, I have a few more and you are welcome to them. You certainly may make of them whatever use you can of this material.

We have rebuilt our machine and are now about to look for some of the answers to some questions. This unit has about 14 ceramic magnets mounted in a groove cut in a 1/4-inch thick 6 -inch diameter disc. We haven't yet run it up to full-speed as we are very cautious after the other had exploded. We don't expect much from this machine except maybe answers to a couple of pointed questions.

Our major design effort now is looking towards **making a magnetic field move without having to move the magnets**. It should be possible since we found that the converse was true. Also, there are some rules concerning fields (which are not in the literature) which might be exploited to attain this end. We refer in particular to the rule that fields can and will remain as separate entities if such arrangement has a lower energy level than that of the corresponding field structure. Also, we found that magnetic fields move only at right angles to their vectorial directions and in strict correspondence with Maxwell's equations. They stubbornly refuse to move in their vectorial direction. Apparent motion in this direction is actually a folding in-or-out of the field, always at right angles.

We have drawn up quite a few designs to make the field move, but have discarded most of them either because the present technology was inadequate to do the job or there was too much uncertainty as to what actually would be going on. We have one design which looks promising -- namely notching a circular DC field with a $(1 - \cos \theta)$ function which is rotating and confining the whole in a shield so that the lower energy level is attained if the field structure rotates. We haven't tried it yet, and it will probably be Fall before we can test this principle. However, it looks promising.

With best regards,
W.B. Smith

(2) Letter to Dr. William Hooper (July 21, 1959)

July 21, 1959

Dear Dr Hooper,

I want to thank you for your kind interest in our gravity work and to give you an insight into our current thinking. I am enclosing a couple of sketches of our "gubbine" and what we think is going on around it.

We visualize the magnetic field to have somewhat the configuration of the red lines, with somewhat more field outside of the ring than inside it. There are discontinuities in the magnet structure due to the

fact that the individual vectors are square. But this seems to be an asset rather than a liability as it ensures that the field turns with the magnets, since a higher energy level will be required to bridge the gap between the [magnets? *illegible word*] if it did not turn.

Rotation of the magnet-carrying disc causes the field to acquire a velocity throughout its structure, with said velocity being directly proportional to the radius. The $v \times b$ will in all cases be at right angles to the velocity and the field vector and will be proportional to the magnetic field strength and the velocity. We hold that this condition will apply within the magnets and outside of them since the magnetic field exists there also.

Following the above reasoning, it is apparent that a virtual gravitron will form on the outer edge of the magnetic ring and another of opposite polarity on the inner edge. The outer gravitron will be somewhat stronger than the inner one. And the field configuration will be determined by the antecedents of the field (magnitude and direction of the magnetic and charge fields, reducing the gravitron field).

However, since the entire structure is immersed in the Earth's gravitational field (the antecedents of which may-or-may not be compatible with the locally-generated field), 2 complexes are possible -- within a field structure or a field aggregate. Experiment must give the answer.

We have considered the use of a conventional gravimeter, but we do not think that it would be as good as the precision balance. The sensing element in the gravimeter is several inches from the bottom of the instrument. And since a table of sorts is necessary, it would not be possible to get the sensing element within a foot of the magnets.

(3) Letter to Dr. William Hooper (November 10, 1959)

November 10, 1959

Dear Dr Hooper:

I am very slow in replying to your letter of Oct. 6, but I have really been quite busy. I am sorry that I can't seem to explain my views on gravitational polarization lucidly. The trouble is probably with me. I shall try to get something worked up to send you ,but I don't quite know where to start.

Our work here has been progressing slowly because of silly little mechanical troubles. We have built 5 commutators to switch the currents to produce a **rotating** field. And there has been a serious difficulty with each. We are now working on a rolling mercury design which looks promising.

We did try to use the rotating field from the ceramic magnets to drag around a field produced by a coil and current. But there seems to be a problem with the compatibility of the antecedents of the fields because the limits within which it will spin are apparently narrow, and we have not yet been able to determine their magnitude or the rules governing this action.

Because of the commutator difficulties, we have not yet been able to try the big rotating field. But we have it all built and if-and-when we get this last bug licked we should be able to look for a few answers.

Sincerely,

(4) Letter to Mr. Rideout (No date)

Mr Rideout,

I read your letter of October 23 with appreciation and some amusement. It is quite apparent that my comments on **time as a field function** did not ring a bell. I am well aware that regarding time as a variable places modern Science in the untenable position of trying to lift itself by its bootstraps. But I can only say that these are not my ideas but originates with *those* to whom our science resembles medieval superstition. I do not understand them fully and I have much to learn. But I have mastered a few basic principles, and of these I am sure. **[SS: "those" = ET ???]**

Time as a field function is NOT the same function as registered by our clocks, which record the changing entropy of a system. But rather it is the function which makes this happen.

There is only ONE reality in our Universe and that is the concept of SPIN. And from this derives **12 dimensions**. 12 dimensions are necessary and sufficient to express our Universe in its entirety.

Dimensions must include (as well as their vector direction) the component of reality in that direction. For without the reality, there would be no dimension.

Dimensions are arranged in 4 fabrics of 3 each, linked by a "quadrature concept". This is the structure that Relativity strives for by introducing the [square root of (-2)] between the space and time axis.

The concept of "force" is a fiction which we invented to stultify our thinking. It is merely a cover-up for our lack of understanding of the interaction of reality. **[StealthSkater note: He may be referring to Michael Faradays introduction of a "field". It has been the quest of modern physics to discover the field equations for all 4 known forces in our Universe. They can be grouped into General Relativity and Quantum Mechanics. In the quest to unify these 2 regimes (the micro and the Macro), superstring theory (10/11 dimensions) has emerged. M-brane and F-theories (11/12 dimensions) unites the various variants of superstring theory. For more info, refer to [doc](#) [pdf](#) [URL](#) . Perhaps more promising is Matti Pitkanen's Topological GeometroDynamics which also combines Consciousness with GR and QM => [doc](#) [pdf](#) [URL](#)]**

The foregoing will probably sound most sacrilegious to the ears of orthodoxy, but I don't mind in the least if these ideas are not immediately subscribed to. Science has a long and lurid history of reluctance to accept ideas which subsequently proved to be of great value.

We are progressing quite well in our gravity research and ran our unit for the first time on October 26. The effect was measured on a precision chemical balance when a brass weight increased from 24.4623 grams to 24.4628 grams when active material (a cubic inch of Aluminum) was 10 inches directly under the weight. Needless to say, we have much yet to do and as soon as we have some relationships established we will prepare a suitable paper, a copy of which I will send you if you are interested.

Meanwhile, don't be upset about the above unorthodox ideas. They either click or don't click, and I am quite satisfied that we will come to them sooner-or-later.

Best regards,

Wilbur B. Smith

(5) Letter to George Williamson (November 25, 1955)

November 25, 1955

Dear George [Williamson],

I am glad that the coil arrived okay. But I am sorry that I can tell you very little about it. All I know is how to build it and that it worked. Apparently the hole down the center of the core is necessary for its proper functioning, as is an adequate power input. It will take a kilowatt comfortably without heating at all. We know that it will work on 100 watts, but it won't work for us on 30 watts. It just gets hot on the lower power! I don't know what the lower cutoff power is, nor do I know what the "*boys topside*" told me ("Play with it and learn"). **[SS: "*boys*" = ET ???]**

Don Steadman built a simplified gravimeter which I have installed on a solid footing at home. It is quite interesting as there have been a couple of **time field surges** during the last month. Also when the Russians let off the Big Blast, there was a **gravity wave** which was so strong that it broke the quartz spring in the instrument! If the Yanks set off some bigger ones, I fear for the consequences. People just don't know about these things. In the words of Jesus, "*Father forgive them, for they know not what they do*"... **[StealthSkater note: probably unrelated, but I could not help but think of the Montauk Project's Preston Nichols' accounts of his experiences with his home Delta-T antenna and time/memory restorations.]**

I understand that plans are under way for a number of trips to pick up Earth people for visits top-side during this coming few months. You might check with any of your contacts to see if they are involved. **[StealthSkater note: OK, now it's obvious he is referring to *aliens*. I had heretofore thought that his information was coming from the U.S. But it now appears that he is more of a "first team" player. I wonder if he had any direct communication with the "*boys*" like Nikola Tesla claimed?]**

As ever,

Wilbur B. Smith

(6) Letter to Mr. Middleton (January 2, 1955)

January 2, 1955

Dear Mr Middleton,

Many thanks for your Dec. 4 letter...

In attempting to establish communication with the saucers, I can offer very little except to use frequencies which will penetrate the ionosphere. We have used the call "M4 AFFA" at frequencies

around 20 Megacycles. In this business, we are all in the kindergarten and all I can say is to try anything-and-everything until something works.

We were told about **a system which uses a radio transmitter as an energy source but a special antenna converter, which radiates doughnut-shaped waves which are not time functions.** We built a couple and find they have the most extraordinary properties. If you wish, you could build a unit and try to establish a circuit to our group here in Ottawa. Following are the construction instructions. **[StealthSkater note: I must have missed the part on what exactly are "time functions". Could the other be similar to Tom Beardern's scalar interferometry waves?]**

One ferrite core (material with the highest permeability and dielectric constant) about 8 inches to a foot long and about 1-inch in diameter. About 20 feet of plastic insulated #14 electric house wire. Starting at the center of the wire and at one end of the core, wind on the wire as closely as possible with the first turn under and then over so that the winding will be exactly symmetrical. It will start at one end of the core and finish at the other end. It will resemble a solenoid with a bifilar winding. It is important that the winding be exactly symmetrical. **[StealthSkater note: is this winding that of a Caduceus coil?]**

When connected to a transmitter, treat it as any normal antenna for loading and tuning. There will be a few points of magnetic domain resonance which will be loss-y. But anywhere else, the device will generate the required waves. It will not matter whether-or-not the antenna converter is shielded as the doughnut waves go through anything. **The most remarkable property of this system is that the waves can be directly MENTALLY...** **[StealthSkater note: boy! Talk about an abrupt ending just when the punch line was being delivered!]**

Yours truly,

Wilbur Smith

(7) Letter to Editor (John Campbell), *Analog Magazine* (1971 ?)

Analog Magazine (Letters to the Editor)[1971 ?] ~

...The coil is said to be a single winding of insulated copper wire, about #16 or #18 gauge, wound on a ferrite core of 1" to 1-1/2" diameter and about 9" long. The coil is caduceus wound -- that is, one begins the winding in the middle of the wire's length, winding the wire in opposite directions around the core and crossing the wires on the same opposite diameter points each time around.

The coil is said to be an energy sink. That is, current fed into it just disappears, causing no radiation, even of heat. When operating and placed near a grid dip meter, the coil is said to show a large number of **resonance** points across the spectrum from 200 to 2.0 MC. This coil is further said to have zero impedance. Further, 2-or-more coils can not be coupled together.

(8) Transcript of a Presentation by W. Smith (Date unknown)

Transcript of a Presentation by W. B. Smith (Date & Publication unknown)

... According to the Theory of Relativity, if I climb into a spacecraft and I set out from the Earth at a velocity very nearly the velocity of light and go out to Alpha Proxima, and then I turn around and comeback, people on Earth say that I've been gone something like 10 years. According to my clock, I've only been gone a year.

Now that is a result, apparently, of **time dilation** in the Theory of Relativity in that the spacecraft in which I travel was moving relative to the Earth at a velocity nearly equal to the velocity of light. The paradox arises when you consider that relative to the spacecraft, the Earth was traveling away at exactly the same velocity. Therefore, to the people on the spacecraft who are relatively stationary, 10 years should have passed. And by the time the earth comes back to them, it should have only been away a year.

So you can see right away that the very premise upon which the Theory of Relativity is predicated -- namely that if A is relative to B, then B must be relative to A -- leads you to an impossible paradox. This paradox is resolved completely if you recognize the variable nature of time. And as you move round from one part of the Universe to another, you'll encounter all sorts of values of time in certain given intervals. We become slaves to the clock to the extent that we believe that the intervals ticked out by the clock are time itself. So we find it very difficult to readjust. Now I don't propose to say any more about this particular aspect, but I would like to say something on the subject of the crafts themselves.

We asked them how *they* were supported. And *they* said that they were supported on the Earth's gravitational field. Further studies on our own (with occasional references to these people from elsewhere) and we figured out that we were able to go into the laboratory and conduct a series of experiments **which proved beyond doubt that this is true.**

Our laboratory experiments have allowed us to make about a 1% change in the weight of objects -- we can make them about 1% heavier or 1% lighter. Now that is a long way from holding a spacecraft up because we have to go over 100% to do that. But the fact that we can do it -- the fact that the principles which these *people* from outside gave us and guided us to finding out for ourselves are valid -- certainly indicate that (1) these *people* are what they say they are, and (2) that *their* technology is what *they* say it is -- that it is superior to ours and that ours is inadequate in many respects. [Quite a lengthy description on the blackboard followed at this point.]

Now we understand that these bells (Mr. Smith is referring to the bell-shaped spacecraft said to come from Venus, which have been photographed by Adamski and others) operate on this principle. Underneath the bells are 3 things that people have referred to as "landing gear". But they are not landing gear at all. They are spheres within which **a charged sphere is rotating**. It is spinning on **magnetic bearings**.

A magnetic bearing is something else the *people* from outside gave us the design of. It is very simple in section. This is the North pole and this is South. And in it *they* have a thing that looks like this with a South and this is a North [Here obviously Mr Smith is again demonstrating on the blackboard]. They are simply ferrite bearings permanently magnetized. We built them ourselves and checked them in the lab, and they worked perfectly. They are very simple things. The spheres carry an

electric charge, and they spin on this type of bearings down inside these big balls. We are told that the tilt is simply produced by rotating the sphere a little bit, which bends the field. The process is much more complicated than would appear from what I am telling you. But these are the first steps and the end results even though there are other steps in between.

Now one other thing I would like to mention. As far as I know, our group in Ottawa is the only group that has actually taken the information which was given to us by the *people* from outside and translated it into hardware that works. Much information has been given to us through various channels. But people just talk about it. They don't **do** anything about it. I think that is deplorable. I think that when they give us information, the least we can do is to show our good faith by trying at least to convert that information into hardware. **[StealthSkater note: in other words, a lot of armchair theoreticians but not enough hands-on Edison-like experimenters]**

We have built 2 items of hardware based on *their* instructions, which I'm rather proud of. One of these pieces of hardware is a coil. It has a ferrite core and a **trick winding** on it. To look at it, it looks rather like an oddly-wound inductor. When measured on a radio frequency bridge, however, it shows very peculiar properties. There are certain frequencies at which it is impossible to balance the RF bridge. And that is a direct contradiction to what any electrical engineer will tell you should happen with a coil wound on a ferrite core.

The other item that I'm rather proud of resulted from a series of questions that we asked regarding accidental destruction or damage to our aircraft by flying into the vicinity of flying saucers. And we were informed that although a few of our aircraft had come to an unfortunate end by what *they* considered the colossal stupidity of our pilots in flying into a region where the aircraft was bound to get into trouble, *they* said that *they* are now taking corrective measures. Whenever *they* see one of our aircraft about to commit suicide, *they* just get out of the way and give him a wide berth. But I asked if an aircraft was damaged or destroyed, what happened? *They* said the field surrounds the saucers in order to hold them up. In order to produce the gravity differentials, **time field differentials** are necessary to operate the ships. These sometimes produced field combinations which reduced the strength of materials to the point where they were no longer strong enough to carry the loads that the materials were expected to carry. Now as we know, aircraft -- particularly the military type aircraft -- are built with a rather small factor of safety. And if they fly into a region of reduced binding, the material is no longer strong enough to carry the load and the craft simply comes apart. **[StealthSkater note: is this what Professor Hermann Oberth was referring to when he said the UFOs acted more like "time machines" than aeronautical craft? See (a) [doc](#) [pdf](#) [URL-doc](#) [URL-pdf](#) and (b) [doc](#) [pdf](#) [URL-doc](#) [URL-pdf](#)]**

Now we asked a series of questions about was it possible for our craft to detect these regions so that we would not fly into them? And *they* said that it certainly was, and *they* would do this very thing. *They* also told us that we ourselves were creating regions which were much more dangerous than the regions that *they* established in their vicinity because we could detect the presence of *their* craft and give them a wide berth, but we could not detect without instruments the presence of these vortices which we ourselves had produced. *They* gave us the design of the instrument (see *Flying Saucer Review*, March-April 1951) which was fundamentally this:

They said to select 2 materials -- one stronger than the other -- and to arrange so that these material pulled against each other in such a manner that the weaker material was very near its breaking point and the strong material was a long way from its breaking point. On that basis, we devised instruments. And we built a number of them in the shop and sent them around to various people that we know did quite a lot of traveling. We asked them if they would investigate the regions the regions through which aircraft

must have passed just prior to breaking up in mid-air (and we have, unfortunately, large reports of our airplanes having done just this).

One of these unexplained crashes occurred at a place called Esandon, which is about 20 miles southwest of Quebec City. We investigated the region through which this BOAC aircraft must have passed just prior to its crash and sure enough -- big as life and twice as natural -- we found a very large and **very strong vortex**. Our instruments showed it beyond a doubt. It was about a thousand feet in diameter and roughly circular, with a rather sharp line of demarcation at the edge of it. **[StealthSkater note: I wonder if this could serve as a UFO proximity detector?]**

You will recall also that about 2-or-3 years ago (possibly a little longer), a jet aircraft crashed into a nunnery at Orleans (just out from Ottawa), killing a number of people and doing a great deal of damage. In fact, the jet engine was finally dug out of the ground about 30 feet below the foundations of this convent. Once again we found a very strong vortex of reduced binding. We had a number of reports come in from people in the field who found exactly the same thing.

I wrote a very stiff memorandum to the appropriate people in my own department, pointing out some of these facts. I did not state where we got the information but simply stated that we had instruments which showed the existence of these regions of reduced binding, and suggested that something be done about. The letter wound up in the "crank" file. I'm afraid that is the fate of most of these things -- they wind up in the "crank" file. However, that does not in any way change the fact that these regions of reduced binding exist. *People* from outside told us that *they* existed. *They* gave us the design of instruments. We built the instruments and we have confirmed the fact.

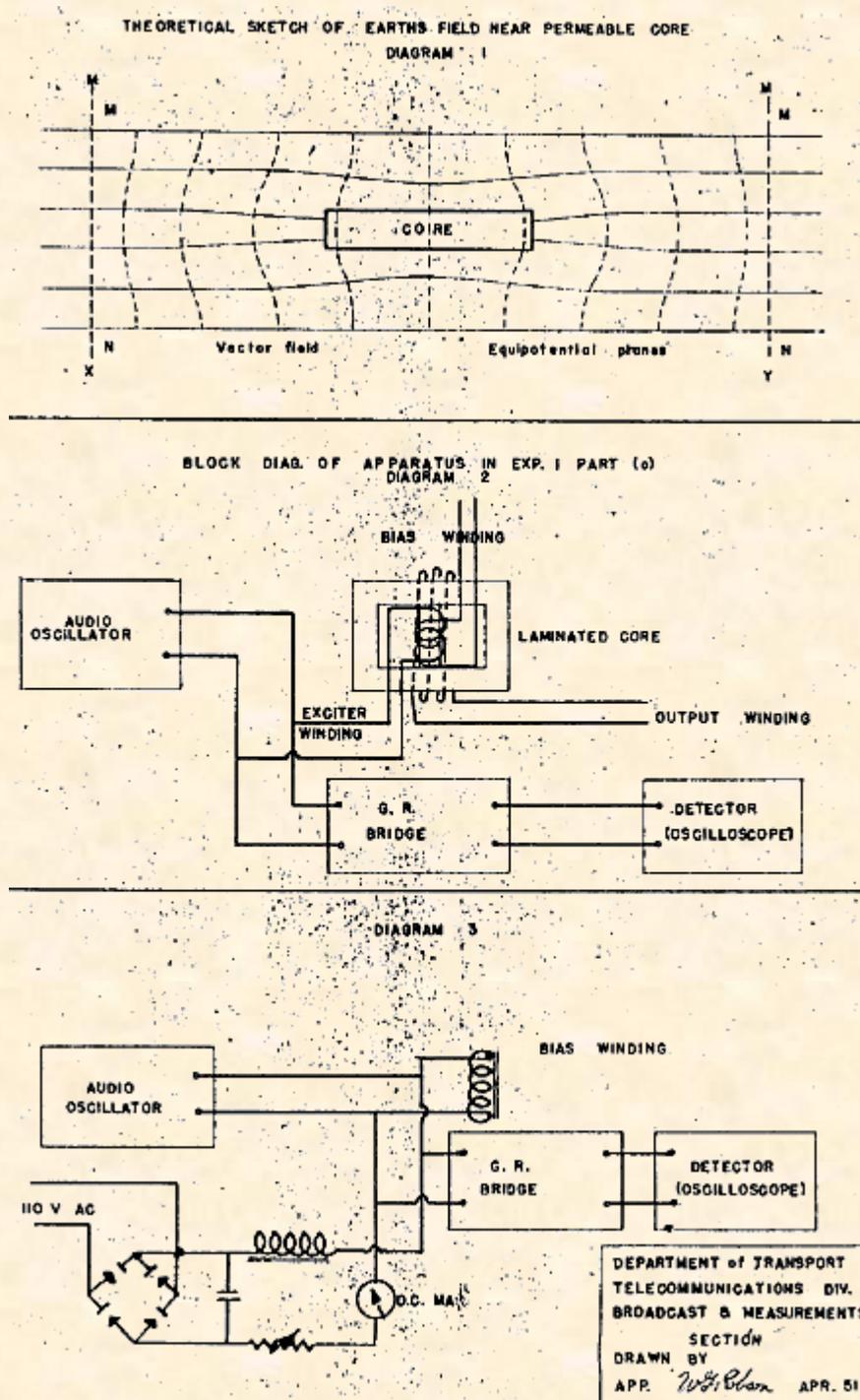
Question: Could you explain why they have curtailed the explosions of nuclear bombs?

I can only guess at why the nuclear explosions have been curtailed. I saw a picture (which I know was never released to the public) showing a very large explosion in the Bikini series. This picture showed the enormous fireball which I think must have been well over a hundred miles in diameter. And shooting out from it were what looked like solar prominences. In other words, they were great tongues of activity of some kind. Now these tongues looked to me (from the scale of this picture) to be around 25-50 miles. They were quite comparable in size to the fireball. Now, my guess is that these tongues or prominences were in fact chain reactions... [&c...] **[StealthSkater note: what a time for another impromptu ending! Just when we were getting clues to the UFO-nuke link. Damn!!]**

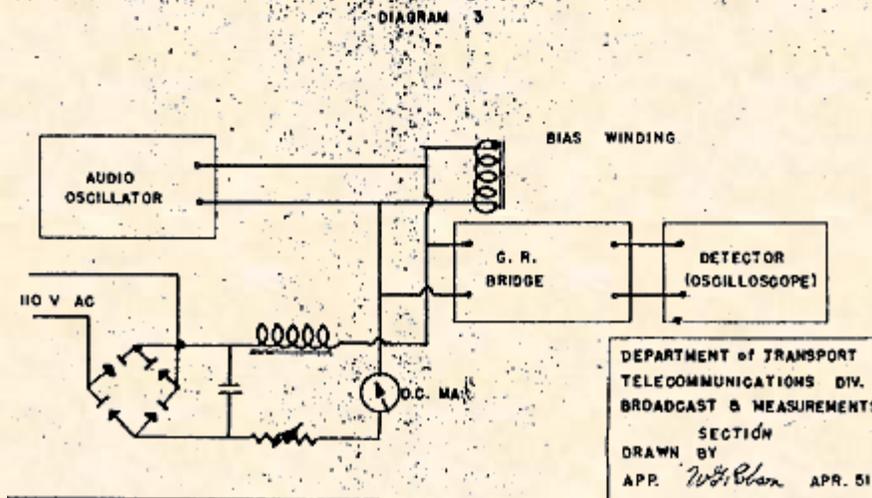
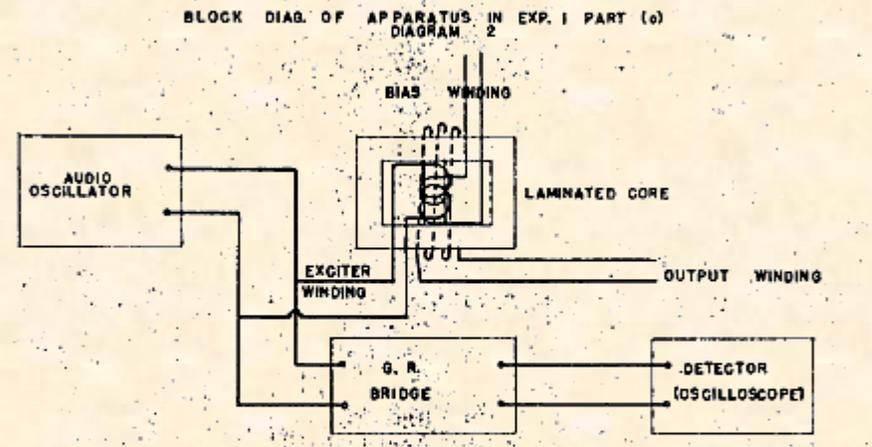
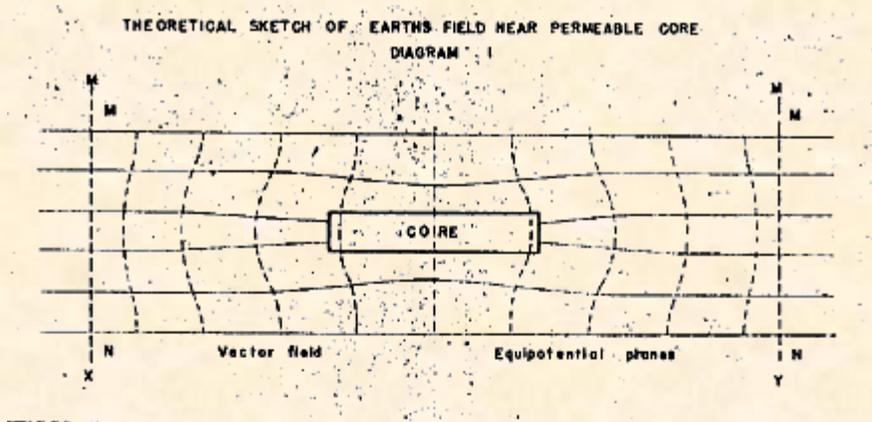
(9) Electronic Circuits & Test Results

Figures:

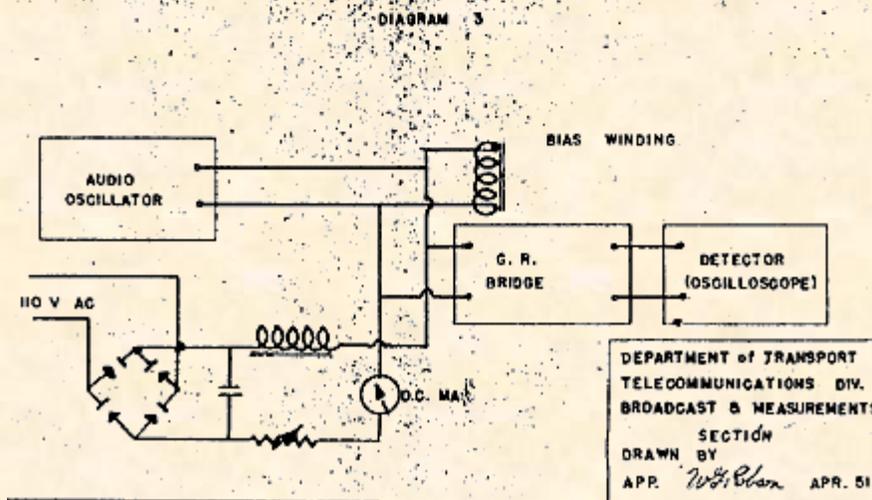
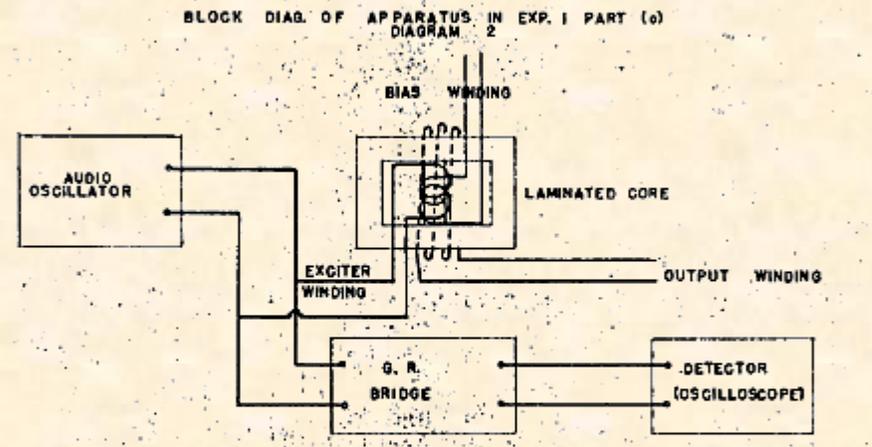
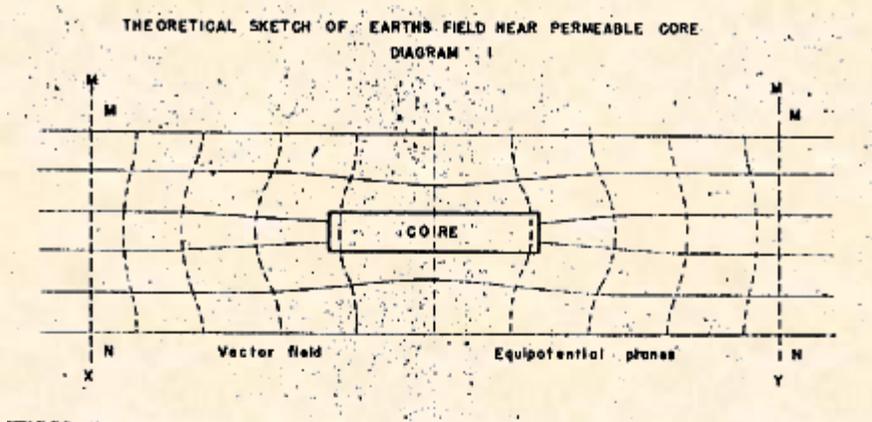
1. Sketch of iron core magnetic field



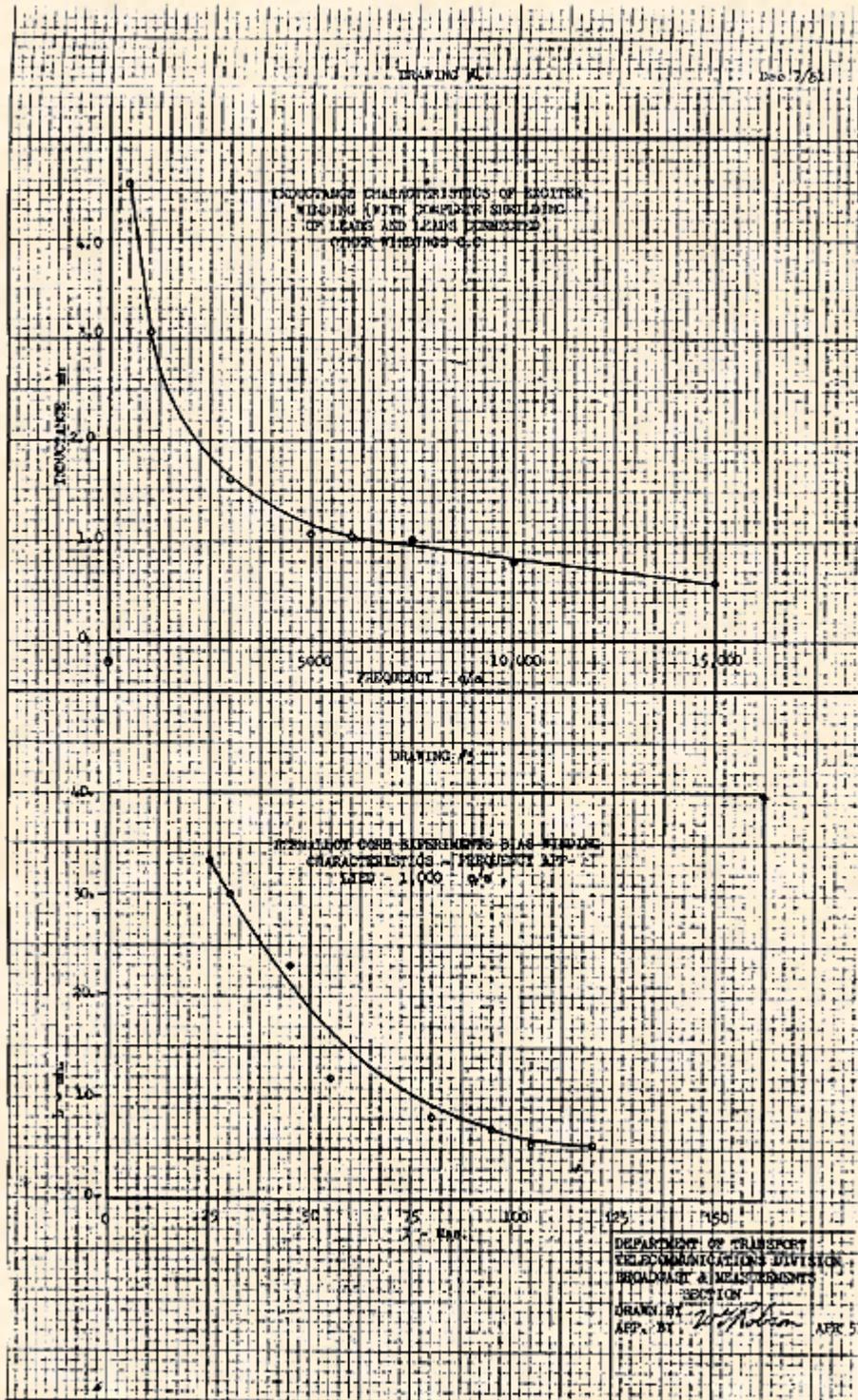
2. Apparatus of experiment 1 (a)



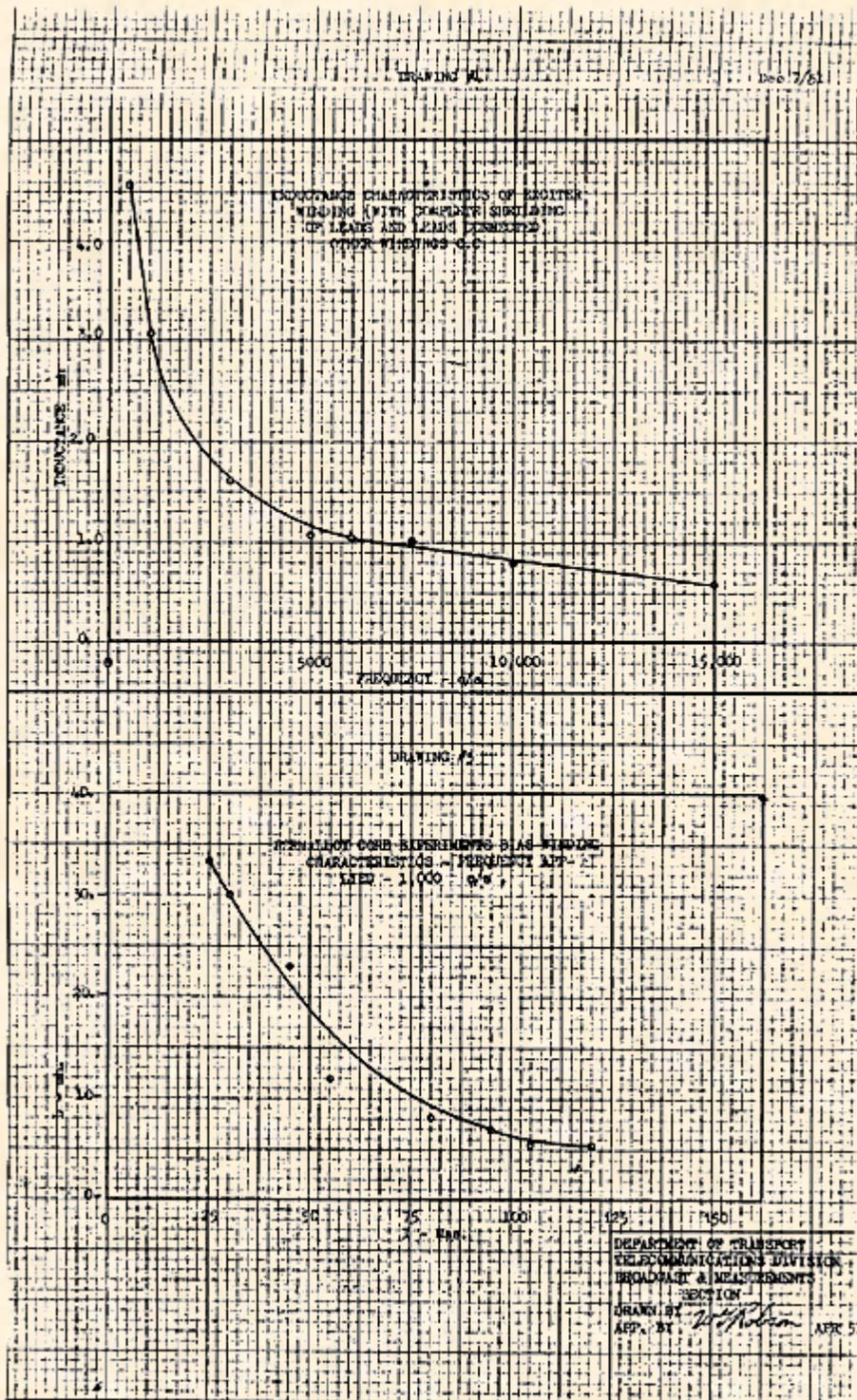
3. Apparatus of experiment 1 (b)



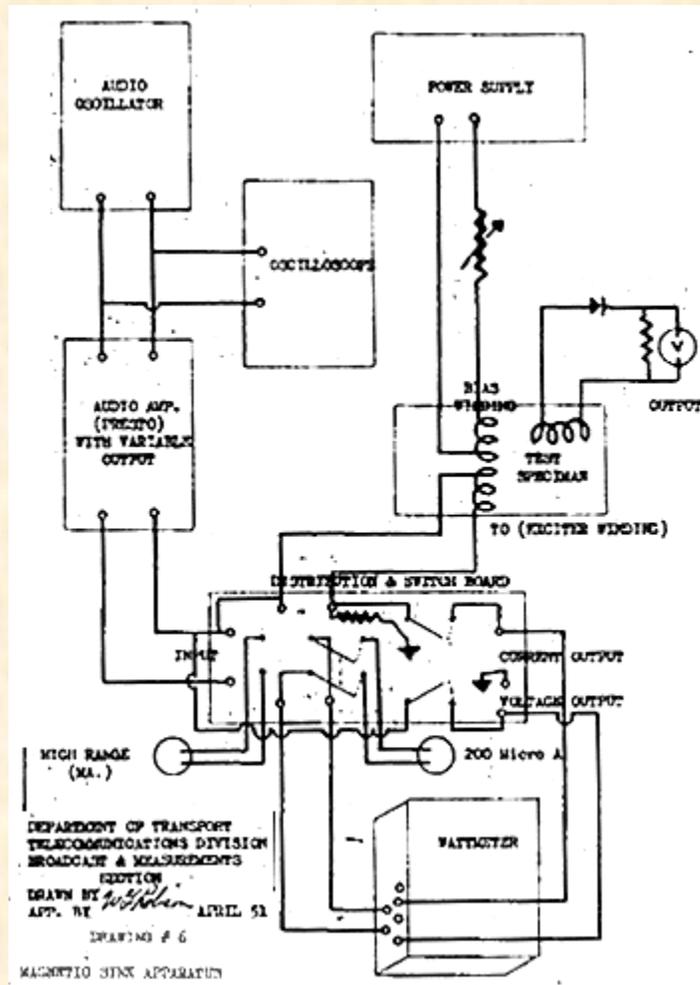
4. Graph of experiment 1 (a), excitor winding



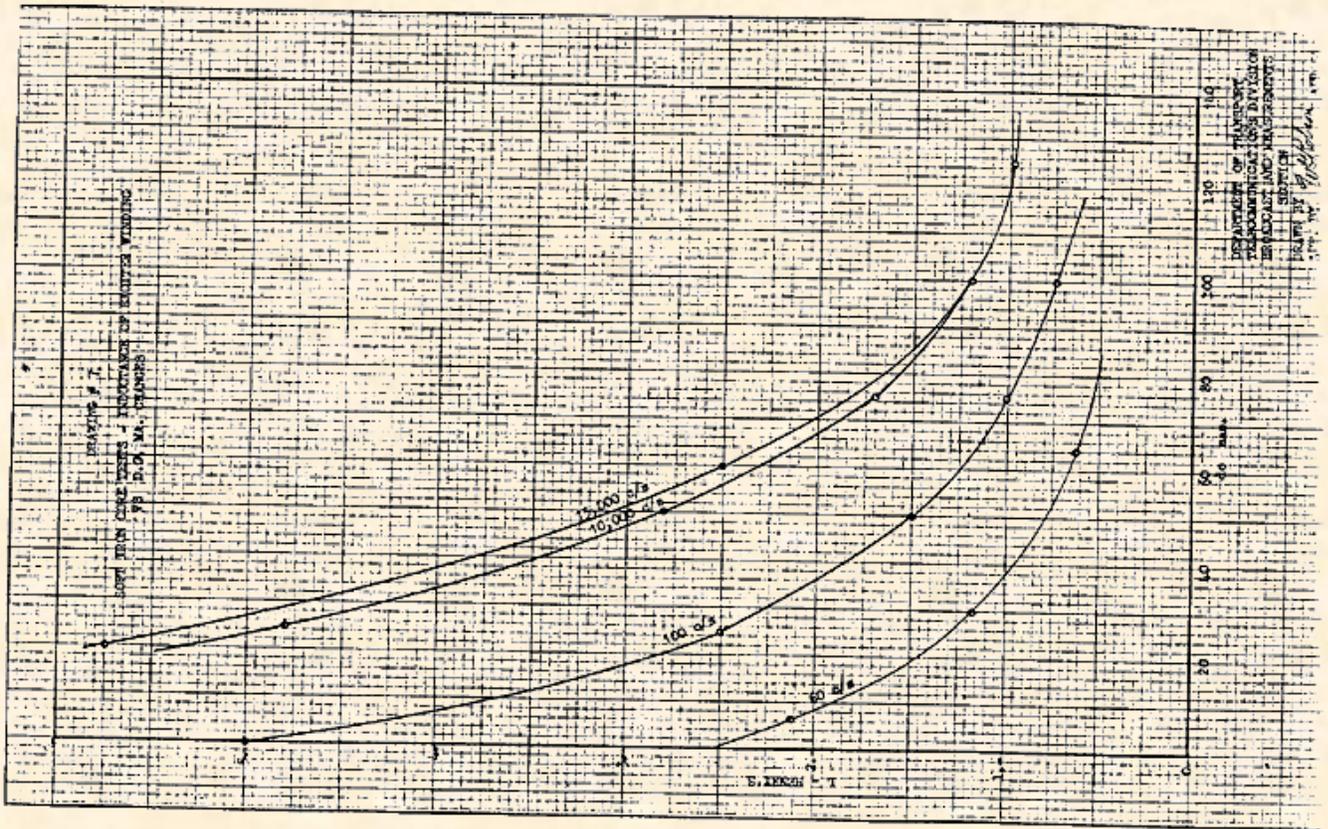
5. Graph of experiment 1 (b), Bias winding



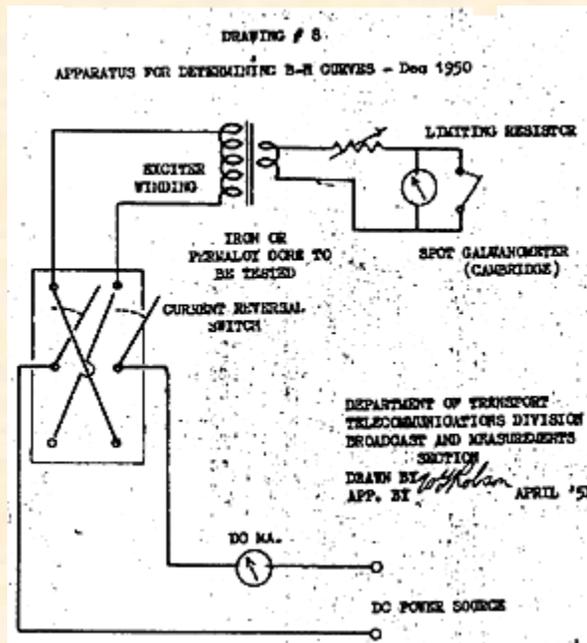
6. Apparatus for test in experiment 1 (c)



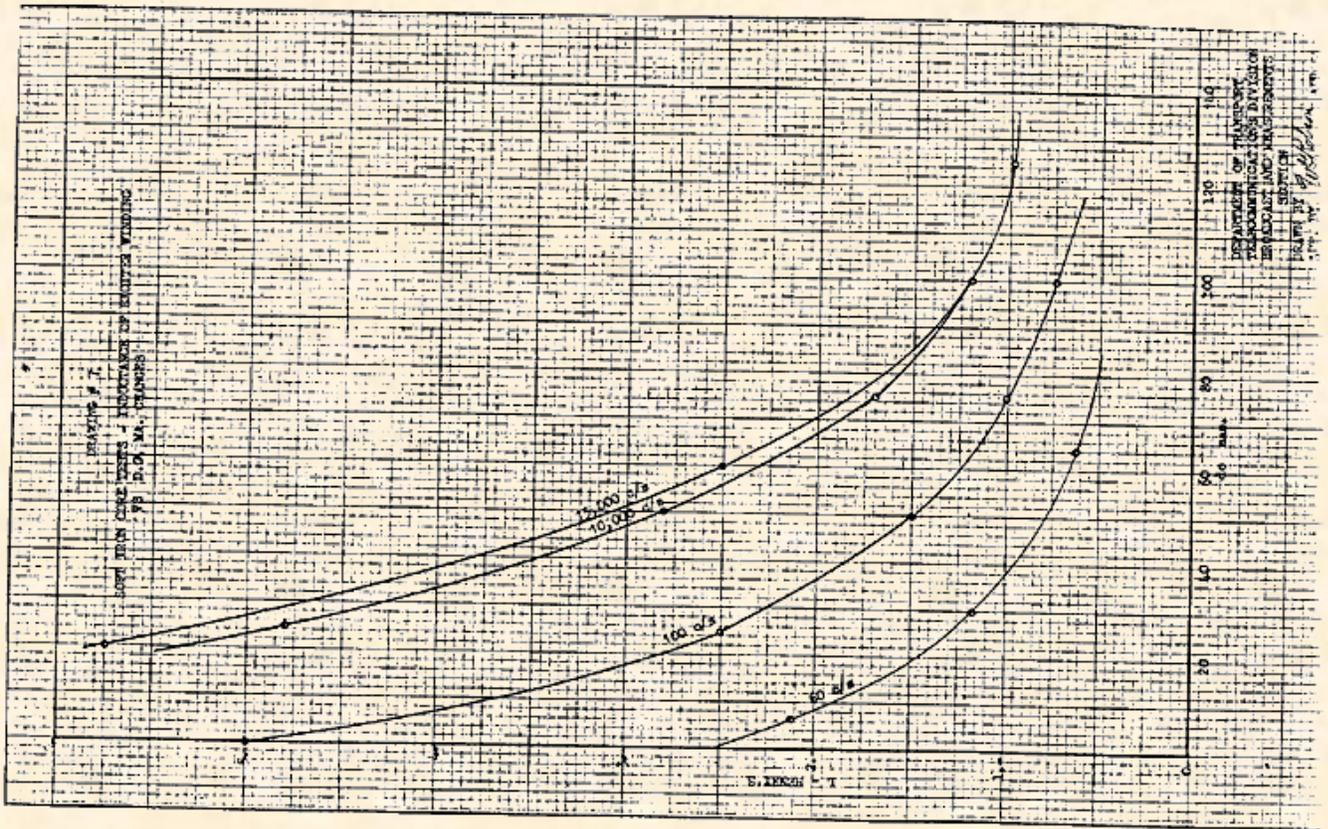
7. Graph of experiment # 2 (b)



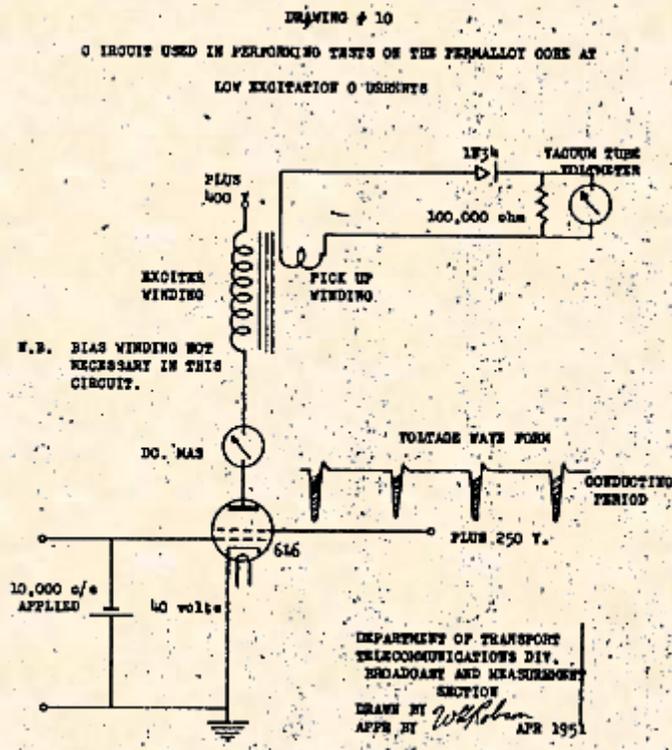
8. Circuit for determining BH curves



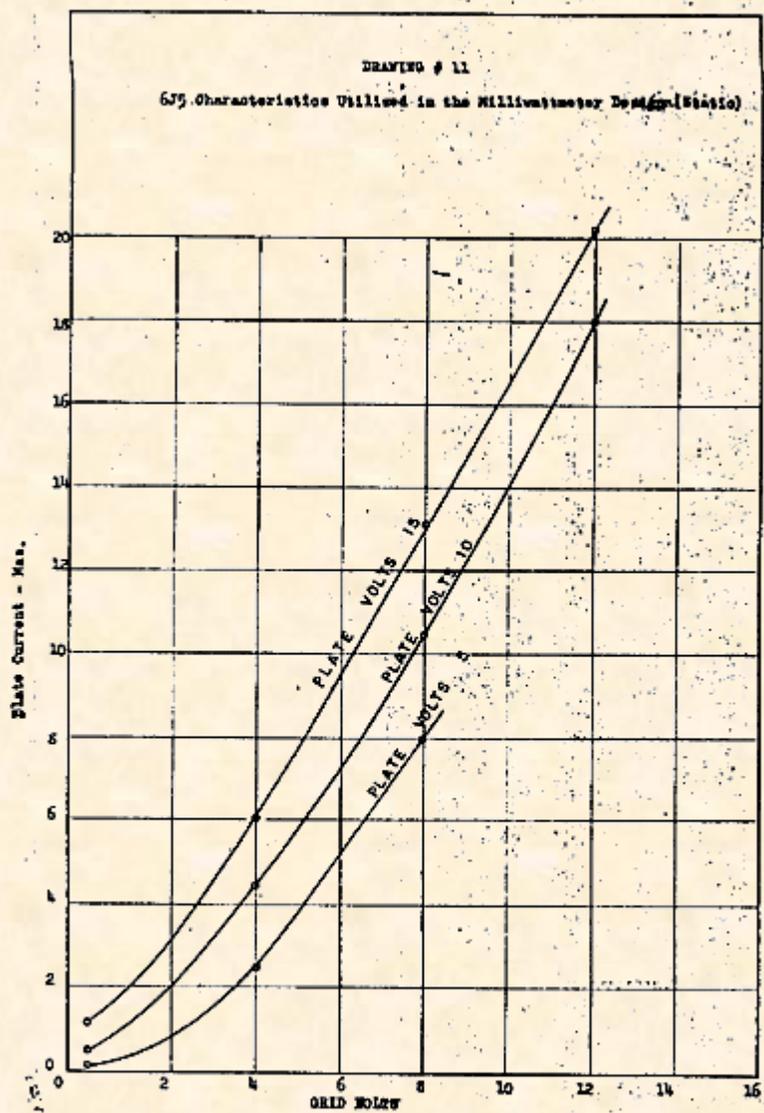
9. Graph for Permalloy and iron cores --- Saturation curves



10. Circuit drawing of low excitation tests showing waveform and measurements

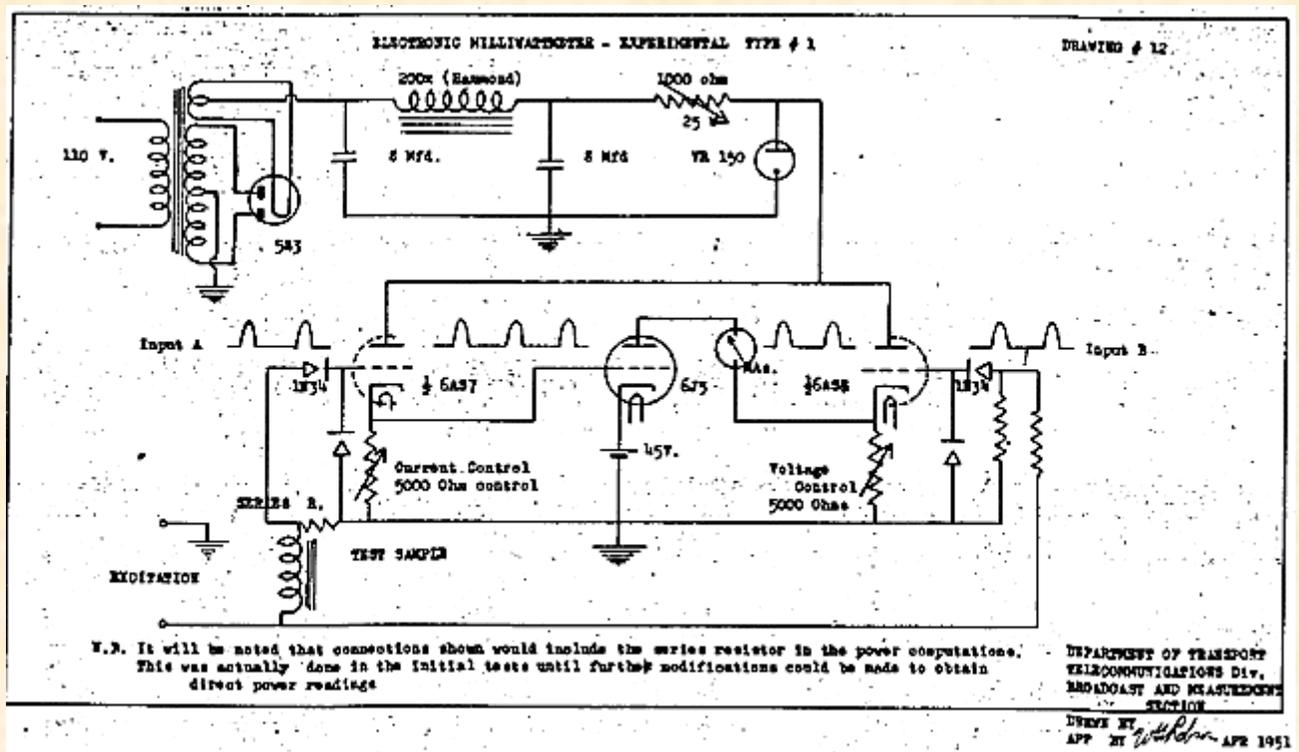


11. Graph of characteristic for Wattmeter (Millivoltmeter)

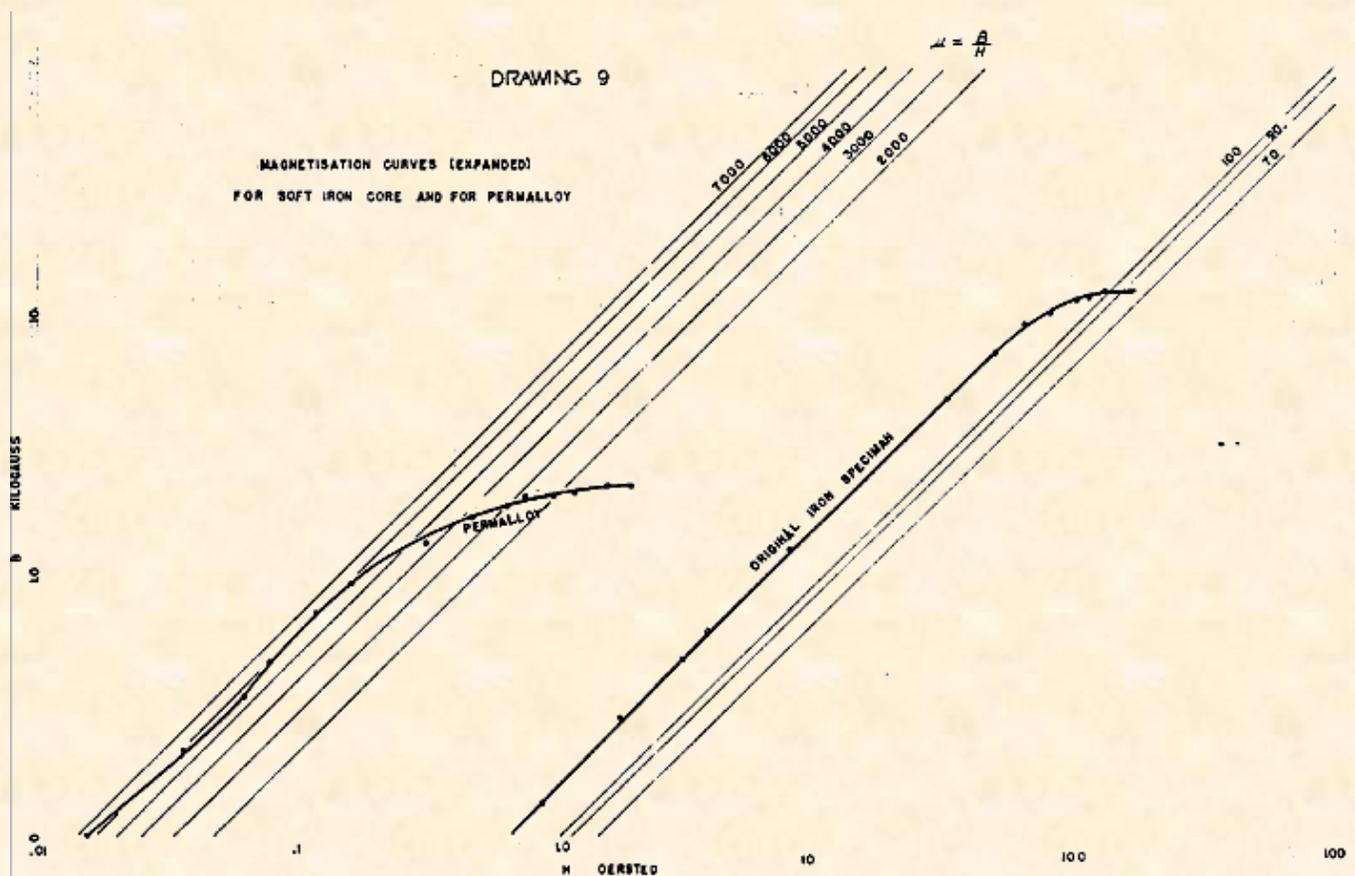


DEPARTMENT OF TRANSPORT
TELECOMMUNICATIONS DIVISION
BROADCAST AND MEASUREMENTS
SECTION
FRANK H. [Signature]
APR. 27 1951

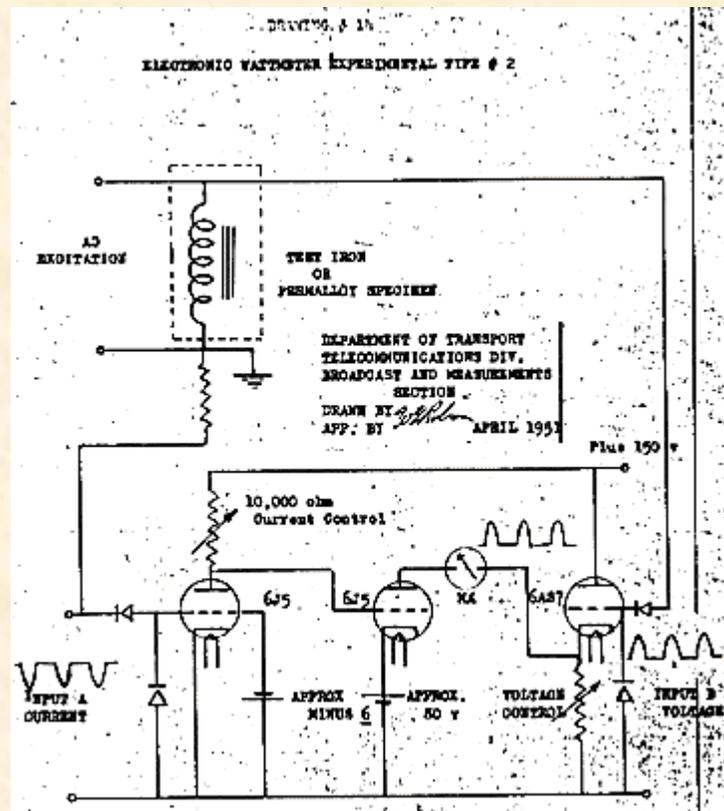
12. Diagram of Wattmeter #1 design



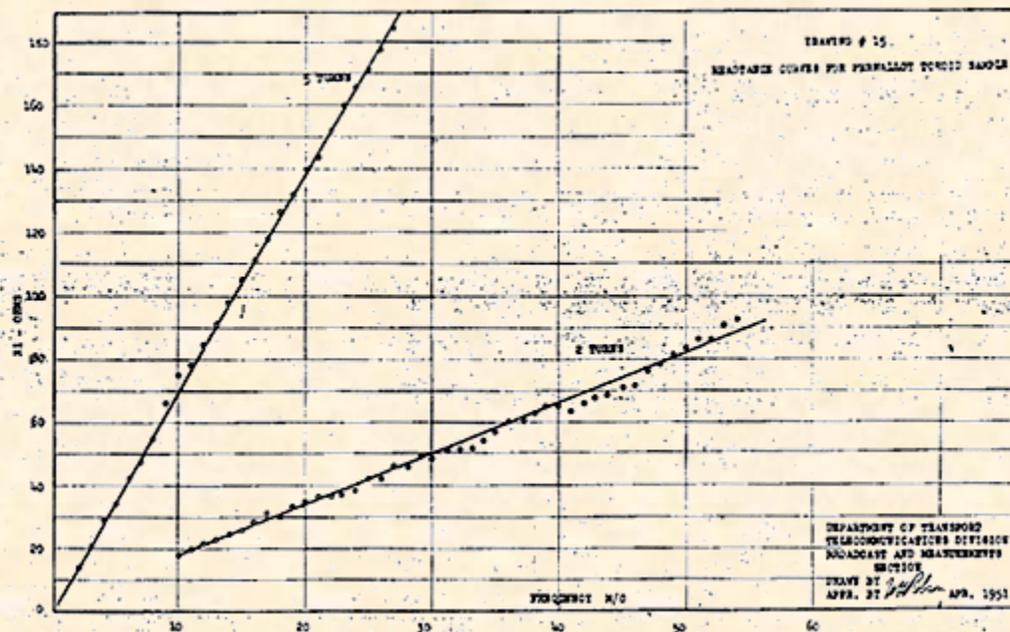
13. Calibrating curves



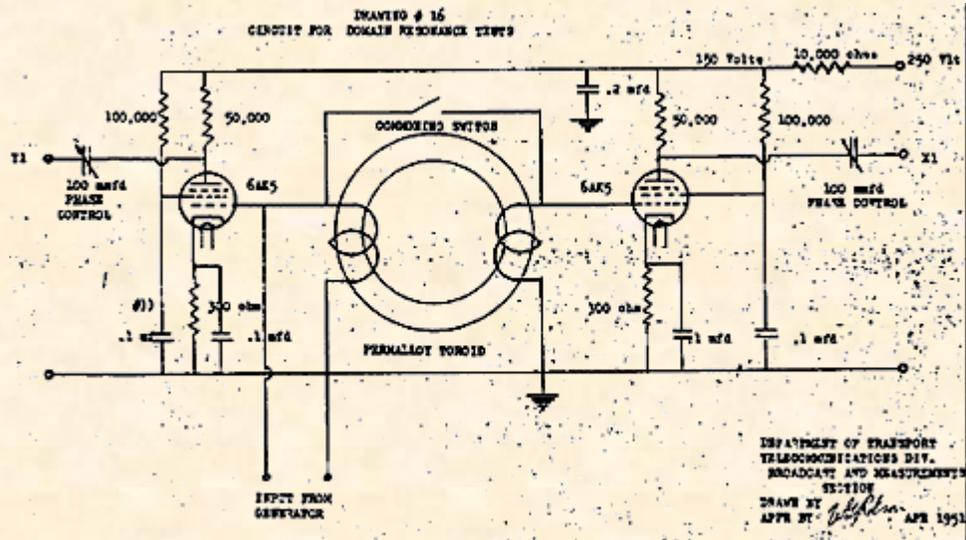
14. Diagram of Wattmeter #2 design



15. Graph of reactance curves for toroids



16. [Phasing circuits for domain resonance tests](#)



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