

DEAR JOHN,

11.4.81

ENCLOSED IS THE CORRESPONDENCE BETWEEN W. RUSSELL AND A GROUP OF PEOPLE WHO RUSSELL WAS TRYING TO WORK TOGETHER AND INSTRUCT ON BUILDING ONE OF HIS POWER GENERATORS. THIS WHOLE PROJECT NEVER REALLY CAME OFF.

SINCE I HAD THE OPPORTUNITY IN EXAMINING HIS CONE SHAPED ELECTRICAL COILS, IT BECAME CLEAR TO ME THAT THEY CAN NOT WORK. THEY DO NOT ACTIVATE HIS ADVOCATED PRINCIPLE OF POWER MULTIPLICATION. OBVIOUSLY IT HAS TO BE DONE WITH INTERACTING FIELDS, MEANING THAT APPARATUS LOOKS QUITE DIFFERENT.

HIS PRINCIPLES CONCERNING WAVE MECHANICS AS OUTLINED ON THE SLIDES (CHARTS AND NOTEBOOK) ARE IN MY OPINION RIGHT ON. I COULDN'T CONCEIVE OF A MORE BEAUTIFUL DEMONSTRATION OF NATURE'S PRINCIPLES.

I AM SENDING THE SLIDES IN A SEPERATE PACKAGE. SINCE LEO RUSSELL DOES NOT WANT THIS MATERIAL TO BE GIVEN TO THIS WORLD I MUST ASK YOU NOT TO DISCUSS THIS, OR SHOW THE SLIDES TO ANYONE. IT IS FOR YOUR REFERENCE ONLY. YOU COULD HAVE THEM DUPLICATED IF YOU LIKE AND SEND ME BACK MY SET. IN THIS WAY YOU WILL HELP TO CARRY EXPENSES.

I WOULD CERTAINLY LIKE TO HEAR MORE ABOUT YOUR AGRICULTURE NONE RADIONIC UNITS, WHENEVER YOU HAVE A WRITE UP OR BROSHURE PLEASE SEND IT ON. I WOULD ENJOY SITTING TOGETHER WITH YOU ONE DAY AND TALK OVER "PRINCIPLES OF NATURE" AND HOW THEY

CAN BE TURNED INTO HARDWARE. I HAVE SEVERAL
THINGS COMING UP HERE IN MY SHOP CONCERNING TESLA
IDEAS & HARDWARE WHICH MAY BE OF INTEREST TO YOU.

SINCERELY

Walter P. Baumgartner
WALTER P. BAUMGARTNER



RAYTHEON COMPANY

WALTHAM 54, MASSACHUSETTS

TWINBROOK 9-8400

PLEASE ADDRESS REPLY TO:
MOUNTAIN REGION OFFICE
1122 NORTH HANCOCK STREET
COLORADO SPRINGS, COLORADO
TEL. MELROSE 3-3846

13 February 1961

Dr. and Mrs. Walter Russell
The Key Ambassador
Key West, Florida

Dear Walter and Lao:

I should have written long before this to thank you for all the treasured gifts you have sent to me, and for the courtesy you extended to the delegation from NORAD and ADC. I did, however, want to be able to report some definite progress before writing. I have been holding many conferences with General Chapman, Colonel Fry, and the others who attended the meeting at Swannanoa. Saturday afternoon, we held a meeting at Alpine Falls to listen to the tape recording. It has been the concensus of opinion of all concerned that in order to proceed, we should get some more definite specifications on the optical dynamo.

Needless to say, I was more than gratified when I received your letter this morning giving some factual data, and indicating that you would be willing to furnish drawings and specifications. Immediately after receiving the letter, I called Dr. Letaw at Raytheon's Wayland Lab and made him aware of this fact. In spite of a negative report, as I expected, from Dr. Nieman, Dr. Letaw indicated that he would be more than willing to look over your drawings and specifications, and give us a fair evaluation. He would look at your material with an open mind, and if favorably disposed, he would do all in his power to initiate a development project such as you described in your letter in the Wayland Lab as soon as possible.

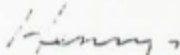
He was very pleased with this reaction as was General Chapman and the others because they feel that this is the quickest and most direct route for accomplishing our objectives. If for any reason Raytheon should not agree to go along on the project, the people at NORAD would then take steps to see that it got into the hands of the proper government developing agency, or we would attempt to do it on our own right here.

If you will send to me, as soon as possible, a more complete description of the equipment including the coils and discs, I will take it with me to Raytheon at Wayland on the 21st of February as I am scheduled to be there for a Marketing Meeting on that date.

Just as soon as it is possible for you to furnish specific drawings, Dr. Letaw will examine them and take whatever action is necessary to set up a project under your supervision at the Wayland Lab. There is no question about the enthusiasm here at NORAD but we must have something specific to start with and then all of our future objectives will fall into place.

I am enclosing a note from Major Sargent whom I discussed the matter with this afternoon. Thanks again for your many kindnesses.

Sincerely,



H. C. Mulberger

HCM:jw

Encl.

13 Feb 61

Dear Dr.

I want to again thank you folks for all the comfort you provide me during my stay with you on the 30 and 31 of Jan 61.

I have been in continued contact with Hank M. on the subject matter you briefed us on during our visit.

I think that your working with Raytheon on this project is a good idea because Hank knows someone in the company who will listen and act with an open mind on your concept.

I am looking forward to seeing you again and hope you have a very fine vacation.

All the Best.
Everett E. Sargent

EVERETT E. SARGENT Jr.
Major
U. S. A. F.

February 16, 1961

I. THE RUSSELL OPTIC DYNAMO-GENERATOR

EXPLANATION

This new power and light generator employs a power multiplication principle of nature which has not yet entered within the realm of human consciousness, just as the principle of electronics or atomic energy had not entered human consciousness fifty years ago. It is more important than electronics is, however, for it opens the door to a new era in higher electronics, higher mathematics and transmutation.

It is the principle of growth in nature which multiplies one kernel of corn into thousands, or which multiplies gases of minus zero melting points into solids of over 3000°; or multiplies the cold of space into hot stars and novae of incredibly high temperatures.

The reason it has never been known is because of the false concept of gravity which assumes it to be a force of attraction which pulls inward from within instead of a cyclic force which controls the compression of cold into heat, and the expansion of heat into cold. Another reason it has never been known is because of our wrong concept of thermodynamics which places heat as the basis of energy instead of cold, of which heat is its sole product, and the consequent law of entropy which provides no uphill flow of energy to balance its downward flow, as fully evidenced in every wave and in every growing body in all nature.

Power multiplication is the most conspicuous characteristic of nature. It is amazing to me that it has never yet been discovered,

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nor has the nature of light, the ONE THING of the universe, been discovered. For this reason the optical nature of matter has not been discovered. If it had been, our research laboratories would not make such primitive coils as those in common use everywhere. Attached to this letter is a drawing showing how coils should be wound to divide light into pairs, but a coil of one section is like one wheel of a pulley which has but a fraction of the power it could have by adding another, and still another wheel, or that a large wheel would be able to impart by gearing a smaller, slower moving wheel to it.

II. PURPOSE OF OPTIC GENERATOR

The Russell optic generator is for the purpose of replacing the present very primitive power generator now in use, which violates every principle which nature makes use of for power generation. The resultant infinitesimal power which it thus generates by friction and induction is not only very costly but it is the hard complex way instead of the easy simple way.

Theoretically, the Russell generator should give 4,096 times the power that the present generator gives, but that is mechanically impossible for the reasons which will be given with the drawings. Extended coils of wire weaken with every super-imposed layer while lenses contain all of their power within their boundaries.

I believe, however, that even this first try-out model will deliver from 50 to 300 times the power now obtained by the friction and induction process given to the world by Faraday.

It will help to comprehend nature's optical method of power multiplication by pointing out the violations of nature which the present

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dynamo makes use of.

Nature's first principle of power production and the construction of matter is to produce heat from the cold of space. The heat thus generated radiates back into gold to complete the wave cycle which automatically repeats itself in this ageless universe of an infinite continuity.

Every wave is a perfect dynamo, but the very purpose of waves is to generate heat in its armatures at wave amplitude points. That is the only way waves create matter. Carbon, for example, is the amplitude element of its octave. Its melting point is 3600° centigrade. Every sun in the heavens is flaming carbon, and every sun is the armature of its dynamo-wave.

The present dynamo ignores this basic fact completely. It cools its armature by laminating it. It then rotates its armature the wrong way, because of a belief in non-existent "lines of force" in magnetic fields which they are cutting by thus turning. Nature's armatures rotate upon their axis in planes of their equators, without exception in the universe. All spherical bodies of matter in all this universe are wheels which roll around their orbits on their equatorial rims. They do not spin on their rims around a false equatorial axis, as armatures in modern dynamos are forced to do.

To emulate nature's process a dynamo should generate much heat and become a Reactor, connected with a steam turbine, as Nuclear Reactors operate. The greater the heat thus generated the more power lines can be taken off from the large equatorial wheel which the turbine will motivate.

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Every armature in nature gives of many thousands of times more than its cathodes gave to it. Every wave is a step-up transformer with four step-ups between its cathode zero and its anode maximum. Each step-up is an octave above its predecessor. Its ratio is as follows: $0 - 5 - 64 - 512 - 4,096$. It is this octave step up multiplication which creates density and raises melting points.

III. - THE NEW THERMODYNAMICS

First Law. Cold generates energy. Heat radiates energy. Cold multiplies. It cannot be divided. Heat divides. It cannot be multiplied.

Second Law. Every reaction must be preceded by its equal action. Heat is the reaction of cold. Heat could not come into existence save for the compressive action of cold. (The law of entropy, therefore, has no place in nature.)

Third Law. Cold and heat express their opposition at angles of 90° from each other. Cold extends along wave axis and the axis of all bodies of creating matter where motion is minimum, while heat expansion is maximum at equatorial planes where motion is maximum.

Fourth Law. Cold compresses. Compression multiplies cold into heat. Heat expands. Expansion divides heat into cold. Cold and heat, like life and death, constitute a wave cycle. In all nature there is no effect which is not wave created, and all waves are cyclic.

(Again, I repeat, that the law of entropy, and the belief that energy does not run "up-hill", have no place in nature.)

Fifth Law. When motion begins heat begins. This entire universe is a varied measure of the heat of motion. This entire wave universe

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~~is inverted measure of heat and motion.~~ Long low waves of low heat potential constitute the invisible light spectrum, while short high waves of high heat potential and low frequencies constitute the visible spectrum.

Sixth Law. The emergence of heating matter in motion from the static cold of space begins at the indigo-blue and blue-violet ends of the spectrum and builds up to the two white centered yellows, through red and green, until the maximum heat equatorial plane is reactive at an angle of 90° from the static axis of cold.

Note: The import of the spectrum has been very much neglected in man's cosmogony of a universe which consists of only one thing - LIGHT.

IV. CONCLUSION

The most tragic lacks which retard scientific progress are:

1. The complete lack of knowledge of the nature of light - the ONE THING of the universe, and the almost complete lack of knowledge of the light-wave which is the worker of nature's miracles.
2. The misconception of the universe as an electro-magnetic one instead of an optical, photo-synthetic, gravity controlled universe of divided light pressures.
3. The complete blank gap in science regarding the sex-principle, and its relation to the spectrum, which causes every element of matter to be created in pairs.
4. The failure to observe that there are four pairs of focal light poles in the bar magnet instead of two. This has caused science to believe that matter is either positively or negatively "charged" instead of being variously conditioned by the octave series of spectrum light.

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pressures of gravity which control the construction of matter. The only approach to this recognition of power-multiplication by science is the orderly octave principle, as shown in the Mandeleef table of the elements and its recognition of valence as a power step-up in chemistry.

5. The misconception of gravity as a force of attraction which pulls inward from within. The only force which motivates the heart beat of this universe is the cyclic wave force of gravity which expands and compresses, heats and cools, integrates and disintegrates, centripetally and centrifugally.

6. The total lack of knowledge of the purpose and workings of the inert gases and their relation to growth control from the seed, and their power multiplication principles which raises all effects of motion to step-up from their zero cold static condition to white hot maximum heat and power conditions.

These are the most important of the many lacks in the scientific structure which complex its cosmogony, and renders laboratory techniques difficult and wasteful.

Any commercial laboratory which had this knowledge would have such a great command over matter that it would be the most powerful corporation on this earth.

Walter Russell

Telegram sent from
Feb 18/61

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Mr. Henry Mulberger
Rathain Company
1422 North Hancock Street
Colorado Springs, Colorado.

If anything on drawing or manuscript you do not understand call me Monday before noon or after six for clarification. In restudying them since sending I can see two things which might be confusing. On the drawing the three quarter inch hole bored through armature for water passage to cores might be interpreted as making the armature a separate piece. The armature and EOLLS cores for number four coils on each side of it are all one ~~xxxxxxxx~~ solid piece. On page four of manuscript my new first law of thermodynamics is sometimes questioned. To avoid this I will hereafter write that law to read as follows;
First Law. Cold generates energy. Heat radiates energy. Cold multiplies. It cannot divide. Heat divides. It cannot multiply. Together their pulsing interchangings constitute the life-death, growth-decay principle of Creations gravity cycles.

Walter Russell.

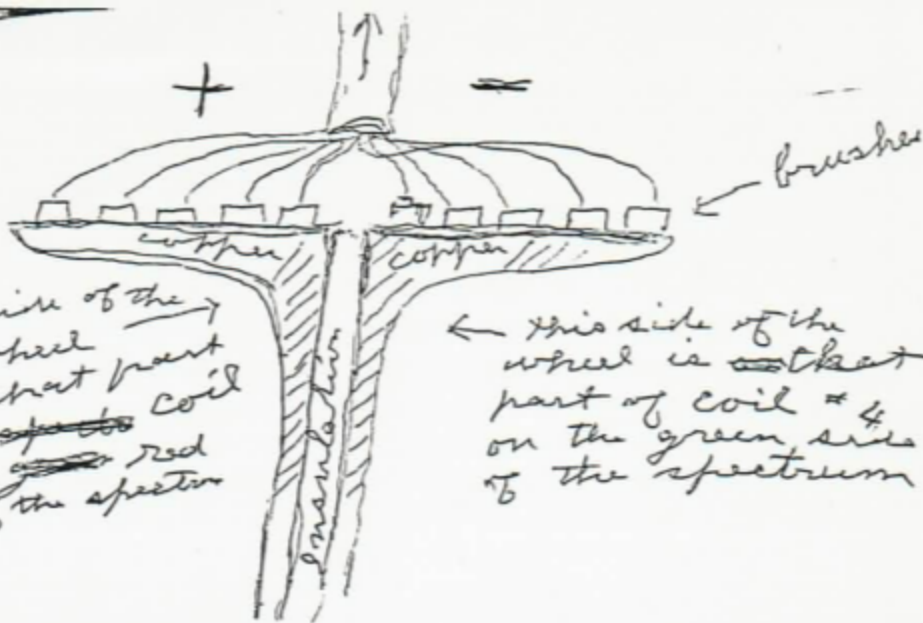
Copy of telegram sent Feb 20-1961

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Mr Henry Mullerger
Raytheon Company,
1422 North Hamrick Street,
Colorado Springs - Colorado.

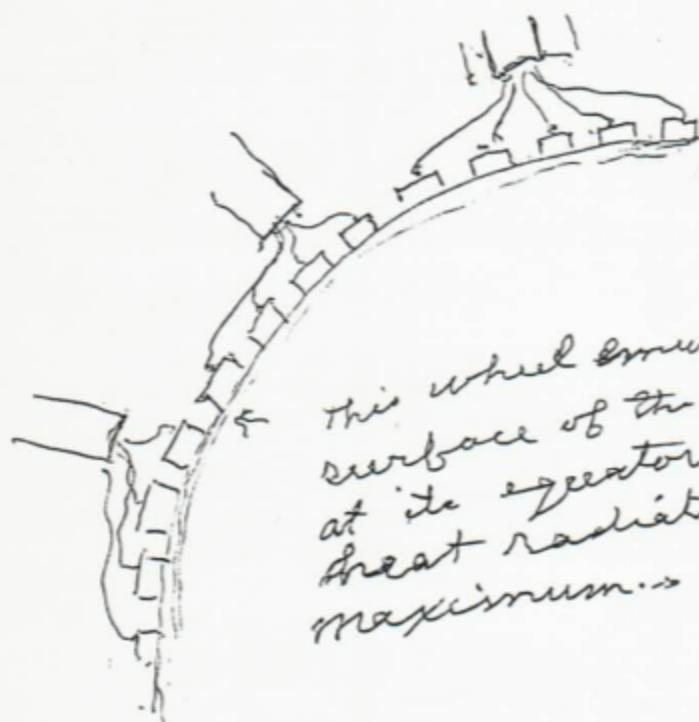
This is for further clarification regarding wiring. Theoretically the two approaching currents are separate circuits and may fuse if joined together. Also, theoretically the copper wire and iron core are supposedly, one metal and each end of the wire should be an integral part of each number four coil and be connected only by the centrifetal compressions of gravity, which science terms induction, just as two bar magnet magnets are joined together. The focal center of the armature is the equivalent of the center of gravity in the earth. Bear this in mind as either connect wires with number four coils or make separate circuits of them.

Walter Russell



This side of the wheel is on that part of the coil on the red side of the spectrum

← this side of the wheel is on that part of coil # 4 on the green side of the spectrum



← This wheel simulates the surface of the sun at its equator when heat radiation is maximum.

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Monday Feb 27/65

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THE KEY AMBASSADOR

On the Atlantic Ocean KEY WEST, FLORIDA

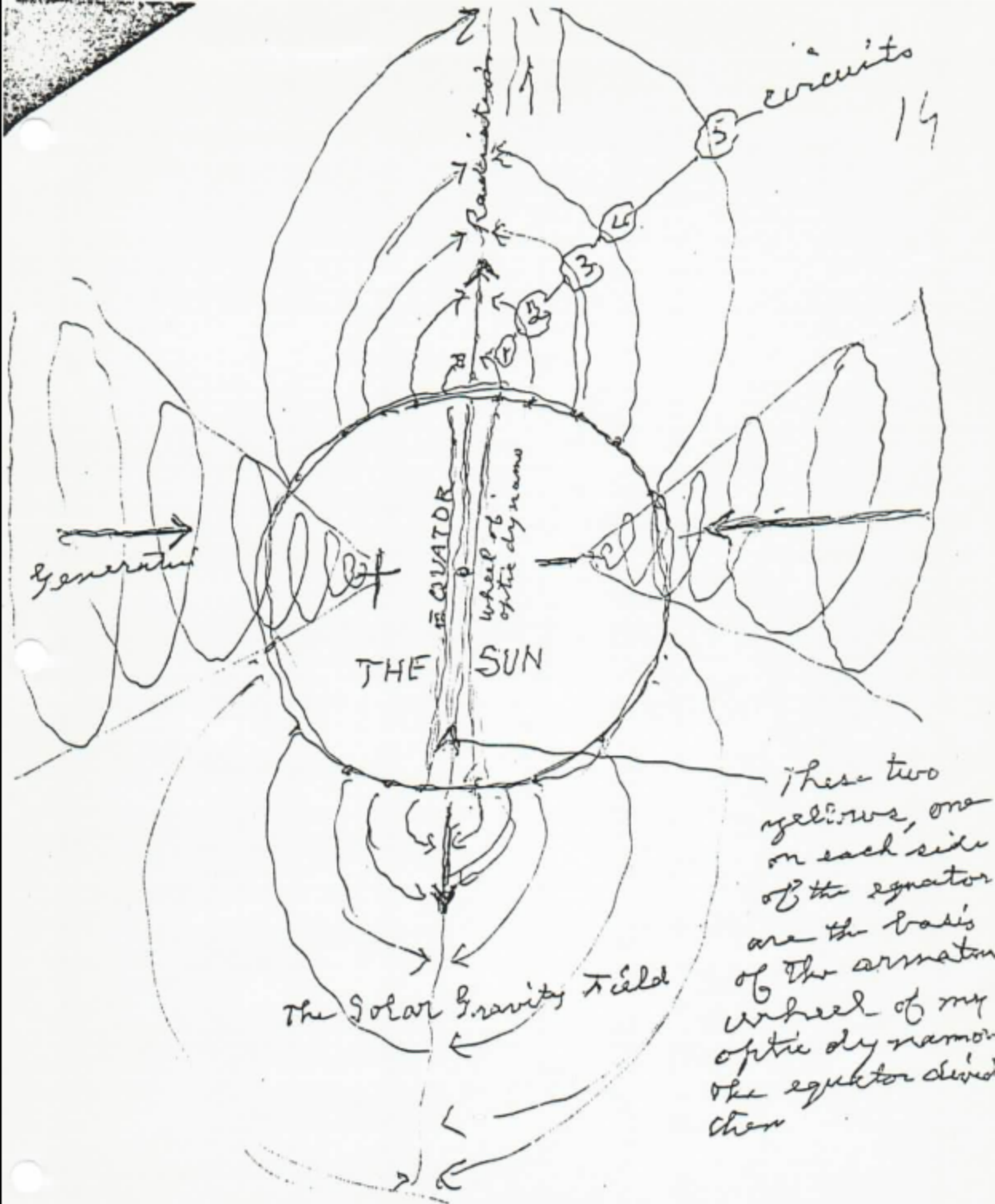
Dear Henry - The enclosed sketches help explain the wheel better. I have always thought of putting the brushes on the sides of the insulated wheel but more speed and friction can be obtained by extending the rim and putting the brushes on it. Remember always that the wheel is a pair. In electrical practice the two may have to be insulated but in Nature - the sun - they are insulated by the static white equilibrium which divides the two yellows.

Remember also that each of the pair are parts of coils number 4 on each side of the armature. It may be that the two wires which lead to coils no. 4 could be attached to this wheel by metal rollers (copper) or brushes. The number of brushes which can lead from the wheel is limited only to the size of the dynamo. A very large dynamo could develop heat and power enough in the armature for steam pressure enough to send current through thousands of brushes, or the dynamo could be extended in series all the same size, right and left indefinitely.

Hope this will clarify your's a little for you.

Truly yours

Walter Russell



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These two
magnets, one
on each side
of the equator
are the basis
of the armature
wheel of my
optic dynamo.
The equator divides
them

H. C. Mulberger
28 February 1961

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Direct the theories by use of whatever
principles or an enumeration of the
principles of the theory.

It is believed that the theories of the
theory can be applied by the
theory.

28 February 1961

Direct attention to the theory to pre-
dict a new phenomenon or analysis in
old one or more areas.

Mr. H. C. Mulberger
Raytheon Company
1422 North Hancock Street
Colorado Springs, Colorado

Dear Hank:

I have reviewed the file on Walter Russell's idea. It is quite difficult to analyze any new idea in the physical sciences. Walter Russell has made this process approximately impossible by establishing a full set of new physical laws (without proof) and neglecting to utilize a mathematical formalism for their expression. Thus, he carries out the perfect theoretical crime: there is no trail between his restated laws and the (presumably) resulting machine.

Now, what can we do? A new electric motor would not be built without an analysis of its design. It is all the more unlikely that a machine designed on the basis of new principles would be built without analysis. This would not be prudent. I cannot recommend that Raytheon expend any effort in this undertaking.

The point that is often missed by people who wish to "reform" physical science is that it exists only by change. Scientists are not stodgy, conservative or blind. They learn to approach their problems systematically and to speak to each other in a commonly understood language, mathematics. The "reformer", if he can believe his theories, must at least:

H. C. Mulberger, Jr.
Raytheon Company

H. C. Mulberger
28 February 1961
Page two . . .

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1. Extract his theories (by use of whatever process) from an examination of observable phenomena.
2. Assure himself that the common facts of experience can be explained by use of the theory.
3. Draw inference from the theory to predict a new phenomenon (or explain an old one in more detail).
4. Test the theory by experiment.

Walter Russell has neglected to carry out the first three steps. His machine is related in no understandable way (to me) to his theory.

Each theoretical revolution, and they occur with alarming rapidity, tells us more, rather than less. It not only points the way to new knowledge, but tells us more about the limitations of previous theory. Hence, the violent shock of Einstein's Special Theory resulted in our learning not that Newton was wrong, but that Newton's theory was indeed correct within well defined limits. The quantum electrodynamics needed to describe spectral hyperfine structure enhanced rather than decreased the usefulness of Maxwell's electrodynamics.

Let me urge on you the thought that Walter Russell and others who take the lazy, ex cathedra approach to science do not succeed in leading mankind to greater heights. These men desire (unwittingly, I am certain) to destroy what we do have and offer us in return no treasure as worthy as the "Song of the Jabberwocky".

I am returning the documents which you sent to me. Please assure Walter Russell that his rights are secure. I take this as another demonstration that there is no sound substitute for hard work.

Sincerely,

Harry Letaw, Jr.
Manager of Marketing



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RAYTHEON COMPANY

WALTHAM 54, MASSACHUSETTS

TWINBROOK 9-8400

6 March 1961

PLEASE ADDRESS REPLY TO:
MOUNTAIN REGION OFFICE
1422 NORTH HANCOCK STREET
COLORADO SPRINGS, COLORADO
TEL. MELROSE 3-3846

Dr. and Mrs. Walter Russell
University of Science and Philosophy
Swannanoa,
Waynesboro, Virginia

Dear Walter and Lao:

I thought I would wait until you got back to Swannanoa, and resettled from your vacation, before I wrote this letter. Unfortunately, it is discouraging in one sense, and somewhat encouraging in the other. As you know, from the beginning, I was somewhat skeptical regarding an open minded reaction from Raytheon. This proved to be true (see enclosed letter), from Dr. Harry Letaw, Jr. Without having studied your books, and writings, over a period of time, it is difficult for these academically trained scientists to comprehend what you are driving at. The biggest difficulty is the language barrier, and they cannot understand your reference and definition of such things as gravity, light, and electricity.

Although I did not have much time back there during our recent Marketing Meeting, I did my best to convince Dr. Letaw, Dr. Silberg, and several of our scientific and engineering types. My attempts met with ridicule, sarcasm, and lack of understanding.

Contrary to the attitude at Raytheon, all of the Air Force and Army group from NORAD that visited Swannanoa are still very enthusiastic and are interested in either attempting to line you up with Naval Research Laboratories or one of the Air Force Development Agencies. In fact, one of the officers has already written Dr. Page, Chief Scientist of the Naval Research Laboratory. In as much as he lives in the Washington area, you may hear from him shortly regarding a visit.

General Chapman, Major Cripe, Major Sargent, and I, are interested in trying to construct one of your Optical Dynamos here. They have done a tremendous

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amount of thinking and analyzing and feel that we would be capable of constructing it under your supervision. Unfortunately it is difficult for me to convince them that your Dynamo is not designed to operate in accordance with our accepted Electro-Magnetic theory. We had a two hour meeting in my office last Friday and out of it came a list of questions, some of which I think I know the answer to, but if you would be patient enough to give us specific answers to the questions, be they either negative or affirmative, I am sure that it would help greatly in the construction of the model Dynamo, and would help me hold the interest of this group. The questions are as follows:

1. Could a model Dynamo be constructed with dimensions considerably smaller than on your sketch, say one-half or one-quarter scale.
2. Why the same amount of wire around all coils?
3. Do the diagonal lines through your drawing have any significance as far as their angle is concerned?
4. Why are holes incorporated in the center of each coil? Can we use a solid core?
5. What determines the amount of wire on the cores?
6. The high temperature at the center of the Armature seems to be our biggest problem. The present state of the art would not permit efficient cooling at a temperature of 5000°C. Steels would melt before they reached 1700° and the water would be instantly converted to steam. What is the lowest temperature at which the Dynamo would operate?
7. The wiring diagram for the coils, and its connection to the brushes, is not clear.
8. Could the cores be turned separately and bolted together except for Armature and adjacent coil?
9. Relationship of the speed of the turbine wheel to the electric power take-off. Will it be AC or DC?
10. Could solid copper plates be utilized rather than wire?
11. Must turbine wheel touch Armature?

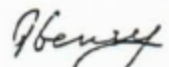
3.

- 12. How many connections should there be between the wheel and the Armature?
- 13. Will generator furnish current at the first revolution of the wheel or must temperature of 5,000° C be reached before current is generated?
- 14. Would appreciate any suggestions you have for simplifying construction of the Dynamo as both our time and finances are limited.

The NORAD people feel that they may be able to get an Optical Dynamo project set up under a basic research contract with either an Air Force or Navy Laboratory, however, setting up such a contract inevitably results in considerable delay.

I am sincerely grateful for all of your kindness and efforts, and I also want to thank you for the books you sent, which I value very highly. I do hope that your vacation gave you the relaxation and rest you needed.

Sincerely,



H. C. Mulberger

HCM:jw
Encl.

Dr. Harry Letaw, Jr.

H. C. Mulberger

Walter Russell's idea, and
your analysis.

March 6, 1961

February 18.

Dear Harry:

Thank you very much for your letter of February 28, and your analysis of Dr. Walter Russell's idea.

It is a very well written letter from an academic standpoint; your logic is perfect, but I can't say that I agree entirely with your philosophy. This can happen.

I think you will agree that some of the greatest inventions and advancements came through inventors without too extensive an academic background. There is no question but what the scientific approach is sound, and results in considerable advancement. However, many times scientific thinking develops many questionable theories based on false premises due to erroneous sense perception. As you well know, most anything can be proved mathematically. I will agree that without considerable study of Dr. Russell's books and papers, it is very difficult to see just what he is driving at. Here, we run into a difficult semantic problem.

I hardly think Dr. Russell can be referred to as taking the lazy approach in as much as his many accomplishments in other fields, as well as science, indicates that he has accomplished more than most men could hope to achieve in one life-time (see Who's Who).

At least I have done my part in bringing this to the attention of Raytheon Co. The NORAD and ADC people feel that an attempt should be made here to construct a model or that it should be referred to NRL, CRL, or some other Government Agency interested in supporting basic research.

I am sorry that we don't have more time to sit down and discuss this matter at greater length, preferably up in the mountains where our thinking could be clear and undisturbed by interruptions. Anyway, thanks a lot for your time and efforts, and I do hope that our difference of opinion in this matter shall in no way interfere with our continuing respect and friendship.

H. C. Mulberger

Match 9, 1961.

Dear Henry:

We were very much pleased to receive your letter just as we returned. We were not surprized at Dr. Letaw's reaction, for we have been accustomed to that sort of reaction from the conventional scientists ever since I gave my first charts to the world. It has always been thus with what Dr. Letaw calls "reformers," such as Galileo, Copernicus, Leonardo de Vinci and other great contributors to our civilization right up to the days of much-persecuted Charles Goodyear and even my good friends Lee de Forrest, who narrowly escaped prison for selling "worthless" stocks to finance his tubes, and Nikola Tesla.

The miracle of this stage of procedure is in the finding of open-minded men of vision like you and your little group who have had sufficient vision to see the possible saving of our civilization by opening the doors of man's minds to this new knowledge. It is for the finding of men who are dedicated to such a great purpose that we are thankful. - It will be your group who will probably write the greatest page in history since the world began and, and you can do it, if your group will dedicate themselves to this purpose as we have.

Your offer to make a small model prompts me to make it extremely simple and inexpensive for you to do so. The model I made was to show the vast power that could be multiplied from cold if used in the full dimension of the cube and its consequent short-wave. In that model there would always have to be sufficient water to keep from melting the steel, but a model built upon the long-wave principle is all that is necessary to give a few pounds of steam, enough to keep a wheel in constant motion by connecting the armature with the turbine. To-morrow I will make such a drawing that should not cost in excess of \$100.00 for material, and design it in such a way that you can keep a perpetual 2 - 5 lbs. of steam pressure feeding the turbine. That ought to be sufficient to carry off 50 (or more) current leads.

I will also answer your questions fully. I am glad you asked them, for the answers will gradually readjust your thinking to the optical nature of the universe. In the meantime, Henry, there is no reason why they ought not to continue to think electro-magnetically for the name of any process has no possible effect upon the results obtained by it.

March 12, 1961.

Mr. Henry Mulberger,
Alpine Falls, Colorado.

Dear Henry:

Ever since answering your letter of March 6th, I have been working upon a very simplified test model which could be quickly and inexpensively made. I agree with you thoroughly in regard to that simplification, both for the time element as well as for the expense. After all, it is not necessary to harness an elephant or a horse to a dogcart for all we wish to prove in this case is the principle of power-multiplication, sufficiently to bring cold water to a high pressure steam power sufficient to turn a large wheel connected by a turbine.

I have, therefore cut down the amount of core and wire proportions as much as possible to affect this purpose. The only readjustment you may have to make is that if the armature does not become as red hot as a blacksmith's horse-shoe, then add more wire to coils #3 and #4. If it becomes too hot, reduce that wire.

A verymuch further simplification in the making of the model for test purposes could be achieved by not bothering at all at present about the turbine connection or even the wheel. You can test the efficacy of heat and power-multiplication by just putting a steam whistle or pressure gauge into the water tank and also having a little window made into it that you could open and close by bolting so that you could look into it without the water being turned on, and see the hot armature which of course you must not allow to become too hot, otherwise it would melt your copper.

If your steam whistle or pressure gauge showed that it was possible to get a continuous high pressure of steam from the armature tank into the turbine, the principle will have been solved. This is the principle in nature which science has overlooked.

It is a strange thing to me that science has not observed this principle long ago in even the increase of melting point in the octave series of the elements. Take for example the helium octave.

Lithium has a low sub-zero melting point. In other words it represents the cold of space. Lithium is a soft low-density low-melting point element. Beryllium is much more dense and has a higher melting point. Then next step in density and melting point is Boron and the last step is Carbon, which has reached a melting point of 3600° centigrade.

Science has never seemed to wonder how that high melting point was reached in four steps. It seems to have taken it for granted like the water in the well. To my knowledge, it has never compared such a step-up process with the principle involved in the multiplied power of the crowbar. The principle is the same, however. The electro-magnetic explanation of the power which a man can accumulate at the other end of his lever is not satisfactory. The optical explanation is in accord with nature, however, and your group could be given a good lesson in helping them to think optically, if they would give me a full electro-magnetic explanation, and then let me give them an optical explanation. That would help them make the transition from electric thinking to optical thinking.

The high price that science is paying for never having made that discovery of optical power multiplication is that it will never acquire solar power sufficient to motivate all of its engines without comprehending the optical power-multiplication principle, nor will it ever solve the mystery of transmutation; whereas, if I could have a sufficient technical staff and a well-equipped laboratory, I am certain that I could produce Niagaras of solar power within a few months.

We are thankful that you and your group have had sufficient insight into the new science for tomorrow to widen your vision and create a desire to open the doors to the science of tomorrow, at least to a sufficient extent at this time to save us from fear of Russia in a much more simple and inexpensive way than through the production of "Nike Zeus" missiles. That inspired vision of your group is the one hope we have that this new knowledge will not die with me.

Coming back to the subject of the enclosed drawing, there are a few things which I must explain to make sure that no error is made.

- (1) The first and primary one of these is that each coil should be wound separately. They can be wound back and forth in the usual way, but theoretically they would be more effective if little partitions were made so that the back and forth winding could be limited to small measures. In other words, to begin the winding of Coil #1 and carry it through to Coil #4, then rewind backwards to coil #1 and so forth would be the wrong way of nature

Consider for example the cyclone, a small sketch of which I have made on the drawing. Twisting is a one-way continuous spiral twisting all the way from its wide top to its apex with no reversal of winding. Therefore, wind each coil separately and carry the wire into the next one successively to imitate, as far as possible, the winding of Nature's centripetal vortices.

- (2) In the larger model, I let all of the water come in by way of the armature because the steel would be so hot that it would make no difference, but I did allow for water going into coils #3 and #4, because they would heat too much. In this small model it is much better to follow Nature's way and let the water come in through Coil #1, for theoretically all of the coils will gradually heat the water as the water approaches the armature.
- (3) I have made a note on the right hand side of the drawing telling why I need the advice of an electrical engineer in relation to connecting one side of the insulated double wheel with a #4 current, for each side of that copper wheel represents the "positive" and "negative" poles of the sun, as such as the armature itself does, for the equatorial plane divides both in the line of the centering plane of the wheel.

My intuition tells me that the one circuit is the better way if it can be accomplished, otherwise, each side of the wheel would have to be in some way connected with the #4 cores and that, I think, would be mechanically difficult.

- (4) My technical knowledge is not sufficient for me to give you the gauge of wires to be used for the coils, as this is a subject for computation which electrical engineers and coil makers have at their fingertips.

I will now answer the questions that you have asked, seriatim:

- (1) has been answered by the making of the drawing.
- (2) The best way to answer the question why the same amount of wire must be used for each coil, I refer again to the crowbar. The initial amount of energy which a man puts into the upper end of the crowbar is the same all the way to the end of it. Each coil represents that initial effort, therefore, the length of wire should theoretically be the same; but as I said before, we have no need to multiply heat to its maximum, so the length of wire can be changed to weaken that power to the desired heat.

- (3) The diagonal lines through the original drawing signify only that the coils are drawn in section - as architects signify sectional drawings. They have no other significance.

(4) No, we cannot use a solid core for we are impersonating light-waves, and light-waves are series of cyclones which meet together to create matter. There is always a gradually diminishing hole in every cyclone, and in every centrifugal vortex, even in so small a one as the spiral vortex you see when you let the water run out of your bathtub.

Science has long ago established that there is a hole in every electric current which means that there is no power in the center of the current-carrying wire. All of the power is projected toward the surface of the wire. That is why many wires are used to make a small cable, and many small cables are used to make a larger cable, for one big wire would not carry one-tenth of the power that many wires carry. See pages 193 to 197 in ATOMIC SUICIDE. The drawing on page 197 will also aid you in the wiring principle.

(5) The amount of wire determined for the coils is fixed by the amount of heat or power you wish to obtain and can be adjusted accordingly. To add more power, you merely add more wire, but it should be proportionately added to all cores to attain the maximum of power, but a sufficient adjustment can be obtained by using Coils #3 and #4 alone.

(6) This question about the heat and armature can be settled by the answer given to question #5. As all of the steam power needed for this test model would not exceed 1000° temperature, you can test the heat in the way I have described by making a window in the armature tank and watching it grow red. The same can be said of the amount of water in the armature tank for that can be determined by the steam pressure which can be generated by the armature.

(7) I have heretofore answered.

(8) It would much simplify machine-lathe operation to make the coils separately even though if all made of one piece of steel would be more ideal. I am sure your mechanical technician could find a way to pin or bolt them together in some manner or even thread them together in such a way so as not to interfere with the passage of water. The question for technicians to decide is whether thus joining them together would be more of a job than machine-lathing them all in one piece.

(9) Up until the last 30 years or so, all currents were generated DC and naturally this current would be DC for it is Nature's way and would have to be transformed into AC in a manner similar to that used in any transformation process.

(10) Solid copper plates could not be used. Every turn of copper wire in a coil impersonates the twister of a cyclone in the creation of a centrifugal vortice.

(11) This question has been answered in relation to the wiring information requested on the drawing which only a skilled electric engineer could answer.

(12) This question was answered as question #11 has been answered, but the thing to remember is there must be either a metal connection made by means of roller bearings with the #4 core, or with the coil itself by means of a brush.

(13) The wheel is designed to turn at enough revolutions per minute to send off the desired current. To do that, sufficient steam power must be generated to reach that speed before the current will be strong, and that is determined by the amount of heat needed in the armature to keep a continuous head of steam which will keep that wheel continually turning at the same rate of speed. Naturally the current cannot be transmitted until it has reached that speed.

CONCLUSION

I wish I could gradually instil into the minds of science that light is the only source of power and that no multiplication of power can come from light until it is curved. A reflecting mirror for example will not multiply power, for its rays - both received and reflected - are parallel. A curved mirror, however, whether convex or concave, will multiply or divide light in accordance with the nature of its curvature. All you have to do is to look out into space surrounding you to see that we are living in a curved universe and that all light arriving on this planet from the sun is penetrating a series of curves of which we are on the concave side, and space is on the convex side.

The study of light is an optical principle and all power multiplication or division is therefore optical. The more you can understand Nature's process of growth through her photosynthetic optical power multiplication principle, the farther ahead of present scientific standards you and your wonderful group may place yourselves. I would love, therefore, to have the opportunity, if we ever do get our needed laboratory and staff, to gradually help them to acquire this knowledge.

Let us know if there are any further questions and in the meantime we send you our gratitude for your understanding. We ever feel God's guiding hand.

Sincerely yours,

Walter Russell
Walter Russell

WR:ds

U.S. We are enclosing extra copies for General Chapman, Major Sargent and Major Cripe to refer to at their leisure. As the drawing is made on tracing paper, it also can be duplicated by blueprint.

WR

March 1977

SUPPLEMENT

Just as we are about to mail this letter, your latest Defense News arrived and I read with great interest the possibility of "Mike Zeus" getting into production. If, Henry, your group can give us sufficient respectability to be listened to by conventional science by proving this first example of power-projection, I believe I could contribute very largely toward the improvement of the "Mike Zeus," by unfolding these secrets in relation to the electron. It is upon knowledge of the relation of the electron to the cathode rays and to the inert gases that the goal we are seeking of power-projection is based. That mystery of the relation of the inert gases and the cathode rays to the birth and fulfillment of matter is a closed door to science and in that knowledge lies a vast power for the improvement of all electronic and radar technology.

It is difficult to explain what I mean in this short letter, but I could give you a simple example. The inert gases control both the power and the pattern of all things which grow from the seed. If I could explain to them, therefore, why certain inert gases and electron relationships would produce a tree of soft wood and other relationships extremely hard wood, or that same relationship will produce soft flesh in a human body and dense bones, they could apply that knowledge to the control of the electron and radar systems which makes the "Mike Zeus" possible.

To be able to give this attribution, however, I must first gain the right to be listened to by proving to conventional science that there is much beyond their cosmogony that they do not yet know and it is only through what your group may now do with the enclosed model that this could be accomplished.



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RAYTHEON COMPANY

WALTHAM 54, MASSACHUSETTS

* TWINSBROOK 9-8430

PLEASE ADDRESS REPLY TO:
MOUNTAIN REGION OFFICE
1422 NORTH HANCOCK STREET
COLORADO SPRINGS, COLORADO
TEL. MELROSE 3-3848

13 March 1961

Dr. and Mrs. Walter Russell
University of Science and Philosophy
Swannanoa,
Waynesboro, Virginia

Dear Lao and Walter:

Thank you for your very nice letter of March 9. I hesitated sending you the copies of Dr. Letaw's letter, and to inform you of Raytheon's dogmatic attitude. However, I was very happy to see that you proved yourself the big person that you are in accepting everything with such tolerance.

We shall be eagerly awaiting the drawings of the small unit, and will go to work on it just as soon as possible. We, too, are eager to prove the basic principle of power multiplication because we know that once that is proven, we can carry on from there indefinitely to solar power, and beyond. In your original drawings of the shortwave unit, you drew an optical system showing the concentration of light through three convex lenses on each side of where the light was concentrated. This design, I suppose, to demonstrate the complete wave cycle through lenses concentrating light toward the center or zero point. Would it be possible to construct a simple solar power device by constructing it according to this design with three convex lenses with each one in cube ratio to the other, and a quartz sphere in the center for concentration of light? Of course, I suppose, to get the highest efficiency, this system should be constructed in a vacuum. Would it be logical to use convex lenses in the diametric ratios of one inch, three inches, and nine inches? It might be well to construct this model at the same time as the optical dynamo to prove the relationship of light to so called electro magnetism.

I am enclosing some papers prepared by a friend of mine which, in several ways, concur with your theories. She, too, feels it very important that some sort of solar generator be constructed in the shortest possible time. I thought you might be interested in some of her thoughts about the three dimensional spectrum or her design for a solar generator. When you are through with the

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2.

papers, please return them to me.

You may rest assured that as soon as we receive the drawings, we will start to work on the optical dynamo.

Sincerely,



H. C. Mulberger

HCM:jjw

Encl.

30

March 14, 1961.

Dear Henry:

Lao thinks I should make a full-scale, more comprehensive drawing of the armature section. I thought that your mechanics could do a better job in that respect, but I will send tomorrow a suggestion which might better help a more mechanically-minded person than I am to complete it.

This cannot fail to work, for it is true to principle, but it is only the first step toward proving this principle of power-projection and it always will be a crude one in comparison to the power-multiplication of light itself in the solar power dynamo which will immediately follow after proving this one.

The more I think of the Nike Zeus system, the more convinced I am that they could make a better job of it if they knew the origin of the electron and its relation to the inert gases and cathode rays - all of which is a part of the construction of matter as it emerges from space.

Ever with our love and kind regards, I am,

Sincerely yours,

Walter Russell

WR:ds

31
March 17th, 1960.

Dear Henry;

In answering your question about making a simple solar dynamo test by the suggestion given in my bar-mag I must say that it not so simple as that, otherwise I would have done it long ago. Nature's principles are simple but their technological interpretation into machines and engines is not so simple.

Knowledge alone will surmount the difficulty of such interpretation, and I could not delegate that at long distance. Convex lenses are not enough. Nature uses concavity in matehood with convexity. Work in optics is too expensive for me to enter upon on such a scale as would be necessary to make a model of sufficient power to be anything but a toy. A laboratory with skilled glass workers of Corning Glass standards, and lens maker of Bausch and Lomb skills would be absolutely necessary. These I would have to direct from day to day, and I would not undertake it without the ability to spend up to fifty thousand dollars upon it. With such an equipment I believe I could solve the solar power problem in a few months, and that is the greatest need of the world of science and industry of today.

With this second step solved multiplied power in electronic, radar, television recording at a distance, transmutation and power projection would soon follow and the program completed in approximately two years for there is no research necessary for principle, only for the time element of trial and error necessary in every technological interpretation of principle.

I will answer your question regarding Mrs. Walcher in a few days after again reading the material you sent. I make it a practice to never criticize another's work and usually return such papers, but this case is different, for there is as much to commend as to criticize, and I owe to you to explain the fallacies of her mechanics and I owe it to Mrs. Walcher to explain the stage of cosmic consciousness which she has very evidently reached. I will do it with the feeling that it be of value to both of you.

In the meantime we send our best wishes and regards.

Sincerely yours,

Self typed, so forgive errors.

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March 19th, 1961.

Dear Henry;

In answering your question about making a simple solar dynamo from the suggestion given in the bar magnet example we must say that it is not so simple as that, otherwise we would have done it long ago.. Nature's principles are simple, but their translation into technological expression is not so simple.

Knowledge alone will surmount that difficulty and we could not delegate so high a quality of it at long distance. Convex lenses are not enough. Nature uses concavity in matehood with convexity and this principle, in relation to the creation of solar power belongs to higher optics beyond present day knowledge, otherwise there would be some evidence of the existence of that knowledge in past experiments in collecting solar power. To accomplish it we would have to have a laboratory with skilled workers in glass of the Corning Glass Co. standards and in lenses of the Bausch and Lomb type of workers. These we would have to direct from day to day and have ample funds for it. With such equipment I believe I could solve the solar power problem in a few months and that would be the greatest boon to science and industry.

With this second step solved multiplied power in electronics, radar, long distance television recording of activities anywhere on the globe, transmutation and power projection would soon follow., and the program completed in about two years if an adequate staff and enough money is provided. Bear in mind that no research is necessary for principle, only the time element of trial and error necessary in every technological interpretation of principle.

Coming back to the optical dynamo for a moment it has occurred to me that you could test the heating power of your coils on your armature without screwing the tank part on, only the armature section. You could get it up to red hot by plugging the water hole in coils four and squirting water in both ends to keep from melting the copper in coils 3 and 4. You might judge necessary size that way. I also think that as the armature is always in water you could safely generate a heat up to way beyond the melting point of steel and thus get a large pressure of steam, for the greater the steam pressure the more brushes can be added to the armature wheel.

With our best wishes we are

Sincerely yours,

May 15th, 1961.

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Dear Henry;

Enclosed is copy of telegram I sent you to make sure you got it. That wiring has bothered me from the beginning as you once said it bothered you. I have often said that PRINCIPLE needs no experimenting, but mechanical interpretation of principle into laboratory techniques certainly does require it.

In optics, for example, all of the power of a lens is focused in a minute point, whereas that same amount of power in an electric coil is spread out over many inches and hundreds of coil windings.

wire I sent that telegram because it has been growing upon me that perhaps the best way to overcome that difficulty was by double wiring the coils and plugs on both ends, like the familiar extension cords, but the traditional way of winding coils with single ~~strands~~ made it difficult to even think of breaking that tradition. It suddenly came to me that if there is any trouble along the line, or one wire will not give enough heat, the solution lies in rewiring it with double strands and two circuits.

The miracle of it all, if it works as Nature's Law demands that it will, is that after the wheel is fully set in motion and many circuits extending from it, two of those circuits can be used to give power to the machine itself, which would be but a small fraction of the multiplied power generated by it. Anxiously awaiting report, and with our best wishes to all, I am

Sincerely yours

P.S. This shows how difficult it is to do such things at long distance where I cannot watch it from moment to moment and consult

with those who are making it.

TO:

Wired May 15/61

C/O Mr. Russell
1422 North Hancock Street
Colorado Springs, Colorado

In making experiment first try connecting number four coil wires to number four cores. Second make two circuits by connecting coil ends with coil beginnings. If either of these not sufficient rewind coils with double wires with plugs on each end like long extension cords, plugging ends into number four cores and beginnings into current. The problem to interpret Nature's optics to man's electric wiring necessarily involves some ~~experimenting~~ ^{experimenting}.

Signed: Walter Russell

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LETTER TO HENRY MULBERGER IN
ANSWER TO A REQUEST FOR A
DIAGNOSIS OF THE COSMIC MESSAGE
REVEALED TO GERTRUDE A WALCHER.

March 21st,
35

Dear Henry;

We have both carefully read and studied the manuscript you sent regarding Gertrude Walcher and feel it our duty as advanced Illuminates to be of help to one who has very evidently been blessed with a touch of cosmic consciousness which she is magnifying to such an alarmig assumption that it could wreck her instead of exalting her. If she would read Dr. Richard Bucke's authoritative book on "Cosmic Consciousness" she would get a better understanding. He, himself, was far more advanced than she, yet he fulfilled the purpose for which he was illumined by educating the world in respect to that higher quality in man. He was not misled into assuming that he had it all as she is. She did not even experience that flash of complete severance of consciousness from sensation which has occurred to less than forty humans in all history. Lao and I fully comprehend her stage for Lao has repeatedly experienced it from three years of age till now, and I have from seven years of long sustained periods, my last one filling thirty nine days, as you know.

God gives little and big messages to those who are able to bear them, and such messages given should be fulfilled within the measure of the knowledge given, otherwise a little knowledge is a dangerous thing. Up to a certain point she has revealed her comprehension of great truths based upon her long study of crystallography but beyond that she has fallen into the usual pit of intensifying her deductive reasoning from observed effects and has built an entirely unnatural and false cosmogony which reached into a long series of utter absurdities, such as saying the sun is not hot in a universe of motion in which the creative pendulum swings between cold and heat, or that she believes she is growing diamonds from parafin simply because its crystals are cubes. She makes use of that fact to claim that diamonds are not grown under great pressures, which is contrary to Nature's mechanics. Her densities are acquired only through pressures of varying intensities, not because of their crystal forms, otherwise sodium chloride cube crystals would have equal right to claim that they were diamonds as the right of parafin cube crystals have.

Her glimpse into the invisible was sufficient to have her recognize the import of the spectrum in the making of a dynamic universe but her evident love of the tetrahedron rather than the cube caused her to conceive of it in an unnatural way, as evidenced by the pair of blues crossing the equator of the sun where the ~~two~~ yellow's parallel it, then making the blues follow one half of the equator and split off to right and left of it in a manner which does not even remotely resemble Nature's division of it into pairs which are at opposite sides of the equator, the blues following the axis and the yellow's following the equator at ninety degrees from each other. She explains this as being the basis of Nature's three dimension, while, in fact length, breadth and thickness form that basis - NOT the spectrum. (See drawing following page 11) She did, however, note the important photosyntheses has to play in Nature, and their are other evidences of her right to be classed as one of the rare humans who have passed beyond the genius stage. In cases of what we call "on

time illuminates," as differentiated from the Illuminates of many sequential experiences, they unfortunately return to the accepted cosmogony of their period and build upon its fallacies with a full belief in their validity. Thus she deals with "magnetism" and "electricity" with her intensified imagination, which accepts even the "Magnetic lines of force" theory of propulsion of "flying saucers" which she also accepts and builds impossible solar engine concepts with the aid of such forces. She goes even so far as to claim that "magnetism" can be insulated from matter at cleavage planes of crystals. GRAVITY is the force which she (and science also) attributes to magnetism and gravity cannot be insulated from any form of matter for gravity brought/into being and controls its return to its zero.
matter

The same holds true for her statements about matter returning to its basic hydrogen. Again she accepts the Mendeleef table as complete, where there are, in fact, three octaves which precede it. In any case matter of any octave does not return to its first element if destroyed by flame. It returns to its zero in the inert gases. Her reasoning is equivalent to saying that if a harp is destroyed all of its sounds return to their lowest sound, rather than to the zero of silence out of which sound vibrations are born.

In all candor and honesty we must say that we see only violent distortions in all of her principles of mechanical interpretations of Nature's power forces. The reading of all that typed matter on her photostat with a magnifying glass led into such mazes of fairy tale concepts that we gave up before half through.

The above criticisms are designed to be helpful, not hurtful, for we believe that God gave her a purpose to fulfill in her own measure of ability to fulfill it. All through her document one note stands out fully and clearly - her love for, and her knowledge of crystallography is the basis upon which her message was given to her to supplement her love for humanity and a surviving civilization, as depicted on the last pages of Chapter one. Coupled with that is her concern for the suffering individual as evidenced in her notes upon self inflicted cancer. We note that in one place she said that she believed her destiny lies in the direction of isolating the cancer crystal. THAT is what we believe her destiny to be, coupled with the diet and tensions of humans who create their own cancers, for cancer was not known by the aborigines.

If she could but realize that her glimpse into universal omniscience was but a pin hole peep, but that she had a very much enlarged peep into that part of it which her life had prepared her for, and become the head of a great institution for co-relating diet, including nicotine, alcohol and other non-foods which destroy the body, we believe she would be fulfilling the message God gave to her and perform a service of incalculable value to a needy and sick human race.

With the hope that this letter will be taken in the spirit of helpful for which it was written, and the assurance that it will be by both Mrs. Walcher and You, and with our best wishes, we remain
Sincerely yours

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May 2, 1961

Dear Peg:

Only great pressure here and many visitors insisting upon an interview has presented a letter to you for we have been so sorry about your illness and then the accident to your leg. We trust that by now you are feeling much much better if not entirely well. The weather has not helped much either for undoubtedly you have had it cold as we have here. Today the sun is beautiful and we are hoping that warm weather will soon come to stay. In any case we have warmer weather sooner than you do and some day soon we trust you will be near to share this with us.

The dogwood is coming out and the mountain top begins to look like a veritable fairyland. Our multitude of birds that return each spring fill the air with joy and as they go about the business of building their nests and preparing for their babies one wishes that all mankind could live as joyously together creating beauty instead of destruction. Last night we watched the May Day celebrations in Moscow and to watch the faces of those men viewing their machines of death with their malevolent expressions made one's soul recoil. One could not help but recall the May Day celebrations of yore when children danced around their flower bedecked Maypoles with their pretty ribbons flying in the breeze. One is ever reminded today how short is the time left for man to regain balance in our world of greed and death. We KNOW that we have the answer and we feel that with the aid of your little group out there we CAN save our beautiful world IN TIME.

The delays which have been occasioned by illness and such are perhaps all part of the Great Plan for there is always the RIGHT time for a special event to take place and sometimes we humans want to make it happen too soon. Each day the news makes the job of those at the top more difficult and this in turn will prepare them for the great announcement of our plans. However, as the General in charge of the running commentary of the Moscow display said in closing last night "There is not a moment to lose if we are to catch up with the Russians" and we now feel that we must not wait to prove one thing at a time when we get underway but have more man-power and get the three great steps going as soon as possible. I wanted to add some thought on this for Hank so will write it in a little separate note which I know you will give to him for us. I did not intend to go into all these things in this note to you for it was really to tell how sorry we are you have had such pain etc., but my heart is full of grief for the world and that Moscow May Day review fi

(Over)

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my being with a sense of urgency.

I wish you could all be here for Doctor's 90th birthday. Our Directors are coming and several other friends and students want to come. It will be quite a day and as you know the crowning happiness will be the news from Henry.

We do hope that we shall soon meet you in person for you are already very real to us in Mind. When we hear from you again we trust you will be able to say you are BETTER and you know we are looking forward to seeing you in the very nearfuture.

With our combined good wishes for your health,
I am

Sincerely yours,

Lao Russell

P.S. Since my letter ran to two pages I will add the P.S. for Henry.....

Doctor and I feel that because of the urgency for scientific achievement beyond that which is now known that when power multiplication is demonstrated electrically the program for the laboratory should be three-fold: (1) Demonstrate it electronically to multiply radar power. (2) Power multiplication of solar light for unlimited power without fuel - and (3) by transmutation so we could create better metals and also to have a remedy for gold scarcity if our economic stability is threatened. As electronic multiplication is the basis of power projection the development of all three of these principles will contribute to this final goal.

May 26th, 1961.

Dear Henry;

In lieu of the impossibility of our being able to work with you from day to day in trying to make bungling masses of wire to ~~te~~ light what simple lenses do optically, the suggestion of Major Cripe that we both work on the problem and interchange our findings is a happy one.

Lao and I have been working together on this with the same concentrativeness that we give to all our books and course which have ripened our minds together into a oneness which all creative thinkers would profit by if they emulate. My thinking, for example, has stressed the spectrum as such, while Lao's thinking on that line has gone deeper into the roots of it by thinking the spectrum as male and female - and their relative balance or unbalance.

We both have worried about carrying that one wire all through the whole four coils, and how it can possibly emulate the lenses of Nature which multiply their power in the cube ratio from 1 to four, growing smaller as they approach No. 4, - while we are obliged to make our solenoids, which emulate lenses, bigger and bigger.

We re-studied our drawings and made many diagrams of Nature's ways, such as the two which are attached to this page. One shows the way converging light rays compress them and give MORE power to SMALLER arcs of pressure gradient which surrounds the earth. Then we studied the opposite effect where little brooks join together to make a BIGGER river and power then multiplies as the many litttle brooks added one by one, make the river bigger and bigger as it multiplies power.

Suddenly Lao said; "Walter, we have to distribute our power Why can't we add our wires together as the brooks add together in order to multily power."

That caused us to re-open our long closed little laboratory and dust off all the rheostats, voltmeters, transformers and high-frequency apparatus preparatory to trying out that idea. That is why we telephoned you to suggest that we try

that kind of wiring after first proving it on small scale with 26 gauge wire and 12 volt dry cell batteries, for we dare not use high voltage for fear of accident, We have since found that one of our students who worked with us before when we did use house current, can come here for long enough to work on higher voltage. 40

We are carrying out Major Cripe's suggestion to tell you what we are intending to do so you can think it over and re-wire when we find out that it works - or perhaps you can work the same thing out in your own way.

(1) Instead of one wire extending from the positive pole of a circuit extend eight wires from it. As each brook gets its increasing voltage by an ever increasing gravity pressure, and assuming that pressure to be 110 volts, all of the eight wires are equally charged with 110 volts.

(2) Make the first two wires 14 gauge, the second two 18 gauge. the third two of 22 and the fourth two 22 gauge.

(3) Now wind the first wire around coil No. 1 clockwise, the way you would turn a right hand cork screw with your right hand.

(4) When the coil is completed test it with rheostat for resistance and check voltage. Then wind the second coil with TWO wires by adding the second to the first. Continue it until you have an amount of resistance equal to coil No. 1 by checking it and adding or subtracting until the two do check. This you also do with each added coil.

(5) Now take the two 18 gauge wires and wind the four in the No. 3 coil. After checking wind the ~~second two~~ coil No. 3 (which has four wires on it) then add the other four wires to them and wind all eight wires on the number 4 coil until it equals the others in resistance. By twisting the eight wires together at each end we now have a cable, within which we have stepped up power as brooks step it up in the river.

(6) Now connect the No. 4 NEGATIVE cable end to the copper tank if you have it made. If you do not yet have the tank side, then attach the eight wire cable end to a large bar of steel or copper, on the other end of which you can attach the POSITIVE end of the other parallel series temporarily until the tank is made. You could not attach both ends of the cable together without that big bar for they would fuse. The big bar will absorb the heat long enough for your tests but if connected too long it would grow red hot, or even melt.

(7) Now repeat this series in reverse to create a FEMALE mate on the green side of the spectrum. Start with the negative pole at the No. 1 coil and wind it anti-clockwise as your left hand would turn a left hand corkscrew. When you have completed the series the end of that cable will be negative.

This is what we are trying and will let you know the results. We would appreciate your thoughts on this matter.

If we have properly emulated Nature optically, electrically and hydraulically we should be able to demonstrate her power of multiplication the same way the brooks become a Niagara, or helium

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and the four pairs of elements in the helium octave multiply to the great density and high melting point of carbon.

And as the rivers come to rest in the ocean to form a storage battery for repeating the brooks and rivers perpetually so, also, we can take a few of our multiplied extensions to charge a goodly sized storage battery for repeating our Niagara constructed by wires instead of water. In that way we can demonstrate as near as possible with material machines the perpetual motion of Nature. When we can do this optically and produce a solar dynamo we will then have a perfect perpetual motion machine.

This means that dynamos like this can be made for sale which will give every home, power plant of industry, or city all the power they need for every purpose, including heat, and thus solve the oil problem.

Such a unit as the one we are making can be extended indefinitely in series, both to right and left, with armature after armature.

When we can also apply this principle of power multiplication, which Nature ALWAYS makes use of in creating ALL MATTER and ALL EFFECTS, to electronics and radar, by revealing the secrets of electronic cycles in relation to their inert gas beginnings and endings, we are then on our sure way to reaching the goals we have been talking about. As we see it, it is the only way we can save the world from annihilation, for it will make any nation impregnable to attack from any other nation.

It will also remove the cause of war by giving every nation and all peoples all they need for survival on equal levels, everywhere.

The stakes are high. They are well worth working hard for, and this first step is the hardest of all.

Looking forward to hearing from you as you progress, and the pleasure of that interchange of ideas as we progress, and with our best regards Messrs Chipman, Cripe and Sargent, we are

Cordially yours.

Walter and Lao Russell.

P. S. You once asked if the current produced and transmitted would be AC or DC. If AC is put into it AC will come out of it. It will not need to be transformed.

Eight light rays converge

1 2 3 4 5 6 7 8

Nature multiplies power only through convex curvature and divides it only through concave curvature. ALL POWER IS GRAVITY CONTROLLED AND CURVATURE IS THE BASIS OF THAT CONTROL.

The photo-synthetic process of growing a tree is the reverse of the process of growing a river. The river flows TOWARD maximum gravity and the tree flows (grows) away from it.

The river

The tree

3 1/2 hours

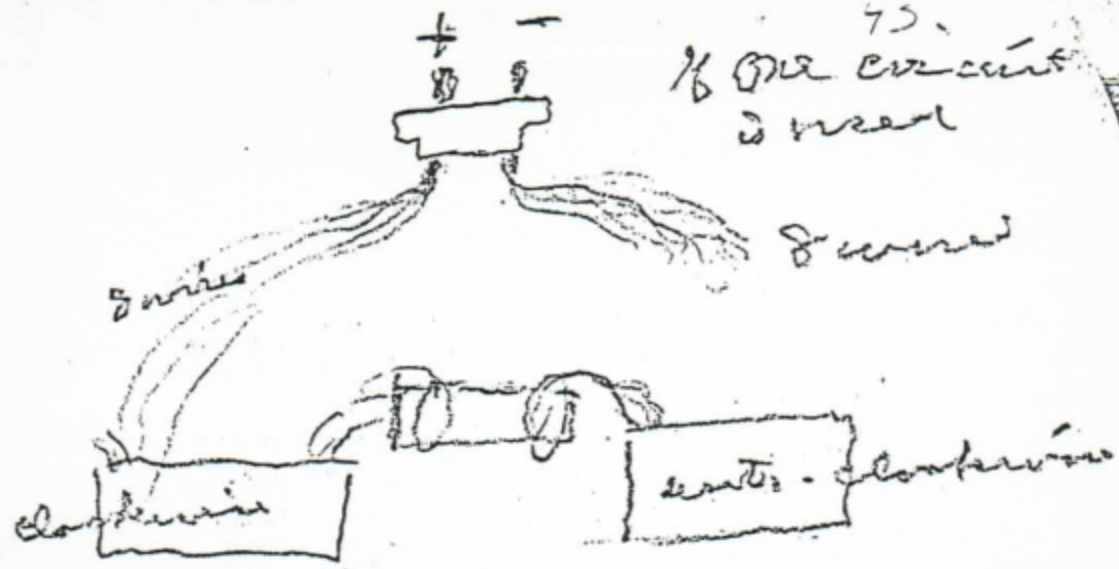
7 1/2 hours

15 hours

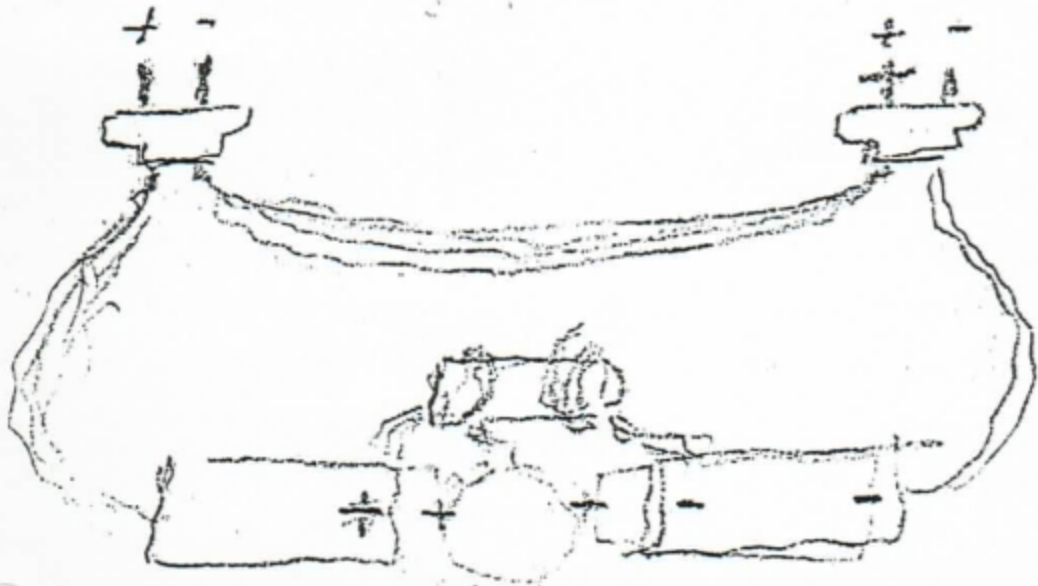


The tree

If one circuit is used



If two circuits are used



that kind of wiring after first proving it on small scale with 26 gauge wire and 12 volt dry cell batteries, for we dare not use high voltage for fear of accident.. we have found that one of our student who worked with us before

May 27th, 1961.

Dear Henry;
22

Page No. 2 on the letter we sent you yesterday is a bit confusing the way we have written it. We have rewritten it to make it more clear and attached a simple diagram to add to the clarity. Please destroy the first No. 2 and substitute this one.

Sincerely yours,

Walter and Lao Russell.

May 26 -2-
that kind of wiring after first proving it on small scale with 26 gauge wire and 12 volt dry cell batteries, for we dare not use high voltage for fear of accident.. We have found that one of our student who worked with us before

that kind of wiring after proving it on small scale with 26 gauge wire and 12 volt dry cell batteries, for we dare not use high voltage ourselves. We have a student who has weoked with us before and is familiar with high voltages and he will come with us long enough to test our coils on house current.

* * * * *

We are carrying out Major Cripes suggestion to tell you what we are intending to do so you can think it over and apply it to your wiring if our tests prove out. The following describes our experiment.

- (1) Instead of one wire extending from the positive and negative poles of a circuit (if you use one circuit) extend eight wires from each pole. Make 4MM two wires 14 gauge, the next two 18 gauge, and the next four 22 gauge. We can twist the tops of these wires together to simulate a cable but they must then hang free for distribution over consecutive coils, as described by the following.
- (2) We will wind the first wire around coil No. 1 clockwise, the way you would turn a right hand corkscrew with the right hand. When coil is completed it must be checked with voltmeter and rheostat for resistance.
- (3) The second coil will be wound with TWO wires by adding the second wire to the first. Continue till resistance checks with coil No. 1.
- (4) We will then wind No. 3 coil with the two 18gauge wires added to the first two. We now have four wires, like four brooks joined together to give more gravity pressure to the river. Check to make it equal to the others.
- (5) We will then add the four 22 gauge wires to the other four and complete coil No. 4 in same way, also checking for balance.
- (6) We will then connect the eight wires of the positive pole with a large bar of iron or coper, but you will have your tank sides to soder them to.
- (7) We will then repeat the operation in reverse on the other parallel series by winding them as one would wind a left hand corkscrew with the left hand. We will then connect the negative cable with the other end of the steel or copper bar. IF WE CONNECTED THE CABLES TO EACH OTHER THEY WOULD FUSE. THE BAR ITSELF WILL GRADUALLY HEAT TO RED OR WHITE HOT. You will have the tank sides to connect them to and water will be in the tank.
- (8) If you use two circuits instead of one, then connect the opposite poles of each with a similar eight wire cable.

* * * * *

If we have emulated Nature optically, hydraulically and electrically we should be able to demonstrate her power of multiplication the same way that many brooks become a mighty Niagara, or how helium

May 31 / 61

46

Dear Henry and Associates.

This is a further record of our work on The Russell's Optic dynamo and new thoughts arising from same.

1

Regarding checking each coil for equalizing resistance.

More mature thinking tells us that the error of doing that. These eight coils are not separate coils. They are two mates of one pair. Each four coils are one and each of the two groups of four should be checked at the number four coil for equal resistance.

We refer to Nature for reasons. Nature's every expression piles up resistance in four octave steps and focuses it maximum at the number five position between the mated pairs. THAT IS THE VERY ESSENCE OF NATURE'S POWER MULTIPLICATION PRINCIPLE.

EXAMPLE NO.1. THE HELIUM OCTAVE.

1 HELIUM	2 LITHIUM	3 BERYLLIUM	4-0-4 BORON	5 CARBON	6 NITROGEN	7 OXYGEN	8 FLUORINE
0	1	2	3	4-0-4	3	2	1
<u>MELTING POINTS</u> --(centigrade)							
- 271	186	1280	2350	3600	-210	-218	-223

The helium octave is the central, -or fifth - of the nine octaves. Note that the red side of it accumulates compression rapidly until it jumps from -271 gas to plus 3600 degrees of solidity and density. The green side never reaches solidity for that octave is the turning point where genero-activity yields its maximum power to radioactivity.

Take note also that resistance means compression, and compression means heat, and heat multiplication means to generate.

COMPARE THIS WITH THE SIXTH OCTAVE

0 NEON	1 SODIUM	2 MAGNESIUM	3 ALUMINUM	4-0-4 SILICON	5 PHOSPHORUS	6 SULPHUR	7 CHLORINE
0	1	2	3	4-0-4	3	2	1
<u>MELTING POINTS</u>							
-253	98	651	659	1470	725	119	-102

SPECTRUM

red-violet orange green green- indigo
 Blue-violet red orange yellow - yellow blue blue
 COLD: Heat multiplies heat multiples COLD

Conclusion. It therefore follows that each mate pair should be considered as equal WHOLES and not as separate coils.

EXAMPLE NO 2 GROWTH OF MAN

Man starts at zero as a baby. He passes through four generative stages of multiplying power - childhood - boyhood - youth and matured manhood. Man represents the red side of the spectrum

Woman is the mate to man. She passes through the same stages of accumulating power in the same way. Woman represents the green side of the spectrum.

At full maturity their united powers are maximum and their generative powers reverse toward radiative ~~maximum~~ cold.

RIVERS AND OCEANS EXAMPLE NO. 3

All the brooks and rivers multiply their power and give it to all the oceans. The oceans forever divide their power and give it back to the brooks and rivers.

The very essence of Nature's power multiplication principle is to generate heat and power by compressive resistance in FOUR OCTAVE STEPS. Beyond that Nature does not allow further multiplication. NATURE'S PAIRS OF FOUR THEN MEET AND THE CYCLE REVERSES.

If we call that meeting point No. 5 the ocean, or the matured man and woman are that No. 5. The sun in our heavens represents that No. 5 position. The fulcrum of the lever also represents that No. 5 position.

Some day we would like to explain to you what that characteristic of Nature really is, and why it is so basic. If that wave characteristic was known by present day science its mathematics would be more reliable and its axioms would be truths instead of assumptions which prove to be not truths.

REGARDING CONNECTING THE CABLE ENDS.

In our last letter we drew a diagram showing the No. 4 cable ends connected by a bar of steel or copper. You will note that the bar is not on the core axis. That was done purposely to create a minimum of heat. If the bar - especially of magnetic soft iron is placed on center - in the armature position, that would be the point of optical focus - or gravity center, where heat would be maximum.

EXAMPLES.

A bi-convex lens like Fig. 1 seen edgewise, would look like this. The arrows show the direction of increasing resistance.

The same lens shown face view would look like this. Its hottest part (resistance) would be its outer rim.



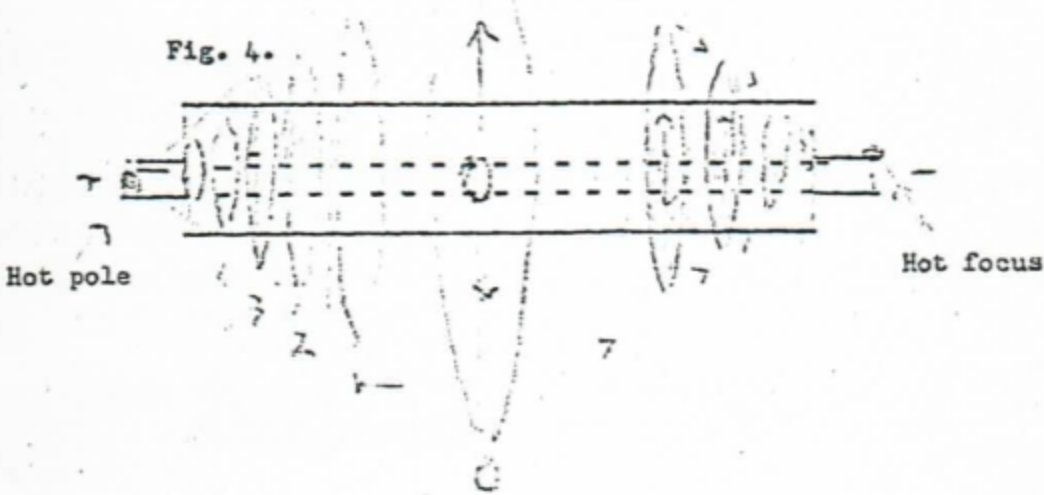
Warm rim - cool center



Hot focus
Paper would burn
at this point.

When we impersonate a lens with a solenoid the same effect takes place but in a less efficient manner because of the impossibility to make wires do what lenses do. Fig. 3 is a solenoid coil with a lens superimposed on it to illustrate how heat resistance always multiplies FIRST by expansion toward the rim of a lens or solenoid, then SECOND, by compression toward a focal point.

This it always does in four octave steps and ends in what is known as the opposite poles of a bar magnet.



The above diagram is made to show why very little of the resistant heat will accumulate in the wires themselves. It is the diffraction rings in lenses and the turns of a coil what cause focal centers ---or GRAVITY POLES - to form on the wave axis.

NOTE the wave axis is a continually extending fulcrum. Every turn in a coil is a wave lever. The fulcrum of a wave begins at its zero cathode and ends at its anode. The wave axis is always static - for the fulcrum never moves - and the lens rings and coil turns are always dynamic, for motion is continuous in its extensions.

All of this is necessary to comprehend for one who desires to know the secret of how matter emerges from space.

We will continue our work in the laboratory on Friday. We are not working Thursday for Dr. Page is coming.

With our best wishes we are

Sincerely yours,

Walter and Tao Russell.

49

June 3rd. 1961.

Dear Henry;

weighty

Dr. Page's visit was of such ~~main~~ importance to what we are doing together that we thought we should tell you of it, especially as he sent you a message of advice through us which should be transmitted to you.

He came for lunch and a few hours visit and talk, but after the first confusion of trying to grasp an entirely new concept of the universe, he began to see it and became highly interested. He then forgot about returning and eleven oclock came and we were still talking, and studying the wave-geometry diagrams. These interested him immensely and he studied them with much interest. His constant reference to their application to radar, and our explanation about the true nature of the wave which caused us to wire our coils as we are doing, convinced us that he was trying to see radar in the optic sense. That made us feel that if we ever succeed in getting our laboratory for furthering this work we should immediately add the improvement of radar technique to include it with the solar dynamo as our ~~first~~ part of our first program.

Next morning we took up that phase of it again and read many pages of a manuscript he had written on radar for a book which he hopes to have printed within six months. He asked many questions about the drawing we sent you, and how we would handle the whole matter if it became a project, even going over to examine our chateau-like stables which we would convert into a laboratory.

The advice he wishes us to transmit to you is as follows; First be fully prepared for first failure, if it should come that way. Do not say "it does not work out" and give it up. Many times in his life he has seen great successes come out of seemingly obvious failures, and the issues here are too great to accept defeat if it does not come right at first.

radio

He told of a ~~data~~ experiment in which the receiver and transmitter groups were on opposite sides of a river. Everything seemed to ~~be~~ be going fine when a sudden break, followed by a totally different and unexplainable effect, came into the recorder. Then it went well for another period, and again a break. Over and over this happened and they were about to conclude that their experiment had not succeeded when someone noticed that these breaks always occurred when a ship passed between their lines, or a plane passed overhead. Out of that failure came the accidental

discovery of radar. In our case we might meet with some simple thing like that which deceived us into thinking we had failed. Even so simple a thing as using alternating current might make it seem a failure. Direct current is Nature's way and if A.C had the same effect upon the diffraction rings of optics as they do upon the rings of wire in coils which impersonate the diffraction rings of light in lenses the entire cause would be lost through such a little thing as that.

He also advised that when you found success there should be a summit conference regarding what to do WITH it and ABOUT it, for it would have such far reaching effect on world economy that it would do more to help establish our national prestige than sending men to the moon. This idea grew out of our belief, expressed to him, that part of our work need not be kept secret, but given to our government or the world for the explicit purpose of beating Russia to her own game. We explained that the parts which should be kept secret are transmutation and power projection. If the world had solar and electric power multiplication within the next two years many of the causes of war should be removed and the United States would regain her losing prestige.

At one period he questioned whether we should not have at first tried out our multiplication of power idea on the solar dynamo, which had a purely optical technique, instead of the optical dynamo. We agreed with him that it would be easier technically but would probably cost \$50,000 which we do not have. He still insisted that if we did not make the optical dynamo work out as expected that a way should be found to do the other. We know, however, that what we are doing will work. It would, perhaps, be better to ~~use~~ use D. C. instead of A. C.

In a few days we will write Dr. Page and answer some questions about radar which he asked us to consider. We will send you a copy of this letter for it will help to a better comprehension of the nature of light and the wave upon which the science of tomorrow must be based.

With our sincere regards to you and your associates ~~xxx~~ who are working with us to open the door to the wireless world of space and to build a barrier which will shut fear of Russia out of our thinking by rendering it helpless to hurt us, We are

Sincerely yours,

Walter and Lao Russell.

P. S. It might please you to know that Dr. Page was first attracted to us a year ago by the work of Lao, and her picture, and a reading of the purpose of our University. He is an ardent searcher for God and the spiritual foundation of the universe, such as Lao so clearly pictured in GOD WILL WORK WITH YOU BUT NOT FOR YOU. He felt that he must talk to her about it but pressure of current affairs delayed him until your letter, and another from Captain Bruning made him resolve to find time come what will. He is a very remarkable man, a great scientist and man of more than extraordinary vision, deep humility and a very lovable nature.

June 22, 1961.

Dear Henry and Associates;

Your letter of the 19th indicated a wise decision to continue ~~continue~~ along the lines of our original drawings until you can make a test, for nothing would be gained by duplicating our efforts. We also fully realize the fast approaching day of being swallowed up by communism., and, for that reason, are working with you to hasten the day of relief from fear of Russia. The prime reason for our working here, however, is because it is so very difficult a work of translating a wireless optical process to electric equipment which requires ~~to do~~ ^{wire} what light rays do. Completed drawings cannot, therefore, be made which are not subject to change as problems of that translation arise from day to day.

We should be right with you while you are working on our first model for that reason alone, but as we cannot be out there we ~~we~~ are working full time on a small scale model along the lines we described in our last letter to test our heat and the gravity pull which indicates power multiplication, without considering the tank or armature wheel.

Our first teas showed an astonishing gravity pull which proved to us that we had multiplied power as Nature does it in her octave spectrum. This was more astonishing because we used only 15 volts by reducing our 110 volt A. C. current by passing it through a 20 volt rectifier. Even with that small voltage it took a mighty hard pull to remove a steel bar from its two No. 4 pole ends..

When we tried it on straight ~~A.~~ C. with full 110 volts we did not get any where near that result, which means that the full wave of Nature must be used as D. C. expresses it. Our tests showed us very much, and caused us to make a still more drastic change in our design. We also have used 40,000 feet and the additional change will take at least 20,000 more. We are at work on that change now.

After our talk with Dr. Page we feel that a new radar is thefir necessity, one which does not require turning the antenna to scan the horizon and upper skies. We have full plans for that already and could produce a test model in a few weeks which would see in all directions at once and record approaching missiles on five screens side by side instead of one. We hinted as much to Dr. Page, but we had an inate feeling that he would do nothing until we had proved this, for our science was so

~~XXXXXXXXXXXXXX~~

Within two weeks we will make another test and report to you. We agree with Dr. Page that the first thing to do when we prove our power multiplication principle by making a working model, is to have a summit meeting and be advised as to the best procedure to take for national and world benefit, as well as for Lao's and my protection as inventors.

We want, also, to be in the position of reimbursing those like you and your fellow workers and make it possible for you to be with us on our future scientific developments. There is a tremendous job to be done and not a moment to lose and so many little things prove to us that God is working with us.

Again thanking you for your ever dedicated help and understanding and with our warm regards and best wishes to you and your associates, we are

Sincerely yours,

Walter and Lao Russell.

July 3rd. 1961.

Dear Henry;

We have made two test models now which have had such illuminating results we are writing to suggest that you suspend your efforts out there until we carry our tests to a conclusion, for we have already found that the diagrams you have are not sufficient to interpret this purely optical principle to an electric process.

Our first step was to multiply the power of gravity. With only a fifteen volt current through our twenty volt rectifier we obtained an amazing gravity pull at our armature poles, much more than the ordinary coils obtain from a 110 volt current. Our second test on a larger scale model with 60,000 feet of 22 and 26 wires, absolutely -but very dramatically - proved the multiplication of heat principle. With 15 volts a hot spark leaped across a small gap between the poles in which we had placed a small bit of soft iron to act as a fuse to cut off the circuit or warn us against a greater fuse. That encouraged us to turn on 48 volts from four Willard storage batteries. The very instant our electrical helper turned it on a great flash fused the right hand No. 4 coil and incinerated the no. 26 wires which we had wound with four No. 22 to make eight strands. All of that copper wire was like black carbon. It crumbled to black powder upon trying to pick pieces of it up.

We then made an enlightening discovery, While the right section was dead and would not pick up even a tack, the left section was intact and pulled mighty hard at even 15 volts. Our electrician thought it might be because we had wound more wire on the right hand side than the left but further examination revealed that that the real cause was because the right hand series was locked tight by a nut which screwed on the steel rod upon which all the coils were strung, but the left side was free to slide on the rod because the other nut could not be found which would lock it. When the flash came these left coils slid apart on that rod to find a balance upon their octave spectrum foci, or spectrum position. That accident led to the important discovery that there is a way to locate the four pairs of foci on a bar magnet which we thought was not possible except for the polar ones. That is a great step in helping to translate this optical principle into an electrical process.

We made one mistake in making the coils so big that the cost was several hundred dollars for the two tests and consumed several weeks of time. We ~~should~~ will hereafter, make small coils of organ or refrigerator sizes which can be quickly and cheaply made. and keep you informed of progress. We feel confident of conquering the technique because of having proved the principle. We feel however that we should not have tried to delegate work which needed our personal presence during every step, and, for that reason, we should not let you take time and cause you expense when we found that it is impossible to tell every step in advance of experiment.

Knowing that you will agree with our suggestion as being wise, and assuring you that the gravity if the time element will hurry us as fast as possible

54
July 22. 1961.

Dear Henry;

We have not reported results to you before this, as we expected to do, because each of the tests we have so far made have proven to us that the result we are seeking cannot be quickly done. At best it is a long pull, perhaps till fall, for delays in waiting for new bobbins made to fit each progressive step, the work of winding them, and other delays, slow us up. Each new set, and each test, tell us that we must get closer to the optical nature of light and power, and that means that if solenoids are simulating lenses they must do what lenses do, especially must they be in true relative focus with each other.

We are having very convincing results and clearly see that success ahead, but we cannot escape the trials and errors which always accompany any great discovery. It is no task which busy men like your group, who have to travel much should undertake, and more especially because the early training of each of you makes it impossible to judge results. Instead of seeing progress you might feel that you had struck a dead end.

We deeply regret the delay, for we well know that we can be of no service to NORAD until we have proven this one power-multiplication principle. The news of today in respect to Berlin suggests that we may be already too late. That may pass, however, and we may still be of service. It is all in the lap of the Gods, so we will keep on.

Did you try out your coils at all, and if so what did you find? We predict that your No. 4 coil ends fused, as ours did, and as they should do. That was our first great lesson which led us to the right trail. We will keep you informed at least monthly. In the meantime we would be pleased to hear from you and know your faith in ultimate success is unswerving, and will be until we, ourselves, tell you otherwise.

With our sincere regards, we are

Sincerely yours

Walter and Lao Russell.



RAYTHEON COMPANY

WALTHAM 54, MASSACHUSETTS

TWINBROOK 9-8400

PLEASE ADDRESS REPLY TO:
MOUNTAIN REGION OFFICE
1422 NORTH HANCOCK STREET
COLORADO SPRINGS, COLORADO
TEL. MELROSE 3-3846

7 September 1961

Dear Walter and Lao:

I want to thank you for the warm hospitality that you extended to Peg and the children when they were back in Virginia. They were all very impressed with meeting you and Lao, and with the many beautiful art treasures in your home. I wish I could have been there with them but as you know, it is quite difficult for me to justify a trip outside of my territory.

I was very much impressed with the description you gave me over the phone about the progress you are making on the generator. If it is possible for you to tell me at this time, it would be interesting to know what voltage and amperage you are putting into the generator and the level of the power output. Is it direct or alternating current? Peg tells me that you may be ready to affect a full scale demonstration in November or December. We certainly will be looking forward to this, and I know that we shall have no trouble in getting military support once the equipment is demonstrated.

Peg and I attended a party at General Chapman's last night. There were about eighteen other Generals there along with two Canadian Air Vice Marshalls and two Admirals. General Chapman just received his second star, and being a M/General he can no longer serve in his position at NORAD, and will be transferred next month to Atlanta, Georgia. We all hate to see him go. He asks about you frequently. It certainly will be refreshing to be able to announce a startling advance on the constructive side of power generation at a time when the destructive forces of radiation are so rampant in the world.

Sincerely,

A handwritten signature in cursive script, appearing to read "H. C. Mulberger".

H. C. Mulberger

HCM:jw

56
September 10th, 1961.

Dear Henry;

We were very happy to hear that Peg and the children enjoyed their visit although we were assured that they did by their very happy attitude. We loved your adorable children. The little one gave us both a spontaneous hug and kiss when they departed. We do congratulate you upon having so wonderful a wife and children. We were delighted to hear of General Chapman's second star but saddened because he has to break up his home and leave a place where he so closely integrated. Do extend our congratulations to him and say that we hope he can be a member of that summit committee which we hope to have visit us very early in October, as Dr. Page indicated the wisdom of forming.

When we told Peg that we would be ready for full scale demonstration in November or December we meant that the whole assembly would then be completed and actually taking up our ten kilowatt load here, which is the amount used for light, heat, electric and stem power, including elevator, motors and 220 current needed for stoves and elevator. When we can then turn off the town supply and show that we can create our own supply of light, heat and power indefinitely without any fuel cost whatsoever, that is the thing which will open up a new day in world history, and be the greatest contribution to science ever given in all history. It will also disprove for science its fundamental claim that "energy cannot run up hill," it can only run down hill, in accordance with the second law of thermodynamics. When we prove that we will have proved that power can be multiplied by multiplying heat ~~and~~ and not limited to being divided by the expansion of "radiant energy."

We did not mean that we would not be ready for that summit meeting until November, and we must not wait till then because of the fast approach of the Berlin crisis which an announcement by the President of the United States of this discovery as early in November as possible is the only remedy for. Such an announcement would give to America more prestige than sending a hundred men to the moon. We will be ready for that summit meeting in about three weeks when we inform you that our completed commercial size working model has given final proof that our test models were workable in full scale. The summit meeting should then prepare to alert the President of his marvellous opportunity to capture world attention, interest and admiration in such overwhelming force, and have such an effect on world economy, prosperity and security that petty qualms among men about nothing would be instantly forgotten. Such a summit meeting should necessarily have members who are qualified to scientifically know that the

parts of the assembly will work if the reactor works. Atomic reactor merely heats water for its boiler, turbine generator. That is all our reactor does and if it does do that, that is all the committee needs to know. With the public, however, that has a different psychology. The public wants to know that it is actually working and producing. As it will take precious time away from the few months remaining from the time of signing that trouble making treaty, the summit committee must begin at once to lay its plans for the President's announcement.

Think of the great jolt to the world of an announcement by its President that a greater safer power than atomic energy is now given to the world of industry, transportation and every other activity of man which demands heat, light and power in small measure or Niagara measure **AT NO FUEL COST WHATSOEVER.**

Think of the great joy and relief it would be to the millions of people in Western European nations to be forever freed from the necessity of obtaining oil from other nations. Think of the thousands of ships on the seas, planes in the air and automobiles by millions on the streets which could travel indefinitely by self generating power plants which would not, on ships, take more than ten percent of the space now needed for storage bins.

Think of the millions of square miles of such arctic countries as Siberia and Canada, where food raising is impossible, now made possible by huge green houses, heated at no fuel cost whatsoever, in which even tropical fruits could be raised as well as temperate zone fruits and vegetables. Think also of winter crops now made possible. And think of the tremendous fortunes which could be made in real estate in such countries in which such vast acreage of valueless land would then acquire great value. Undoubtedly a new form of architecture would be evolved in large communities where great buildings would cover miles of continuous sections, all under one roof and all heated from one reactor plant.

What a boon it would be to cities for their lighting plants, to apartments and dwellings in cities, and farms and homes in the country, where every individual could fulfill his light, heat and power needs at no cost other than giving needed service to the machine. But there remains the commercial angle of immense fortunes which await the powerful utility and oil companies all over the world which lies in the manufacture of the countless millions of reactor assemblies which will take more than a generation to even touch the fringes of demand for them. During this long interval the se companies would have time to readjust their affairs from the present status to the new without loss.

In such a changed world where transmission lines would no longer scar earth's forests, nor coal mines be burrowed for their heat resources, and great oil tank-ships no longer plowed the seas with their thimble-full measures of heat, in comparison with this new supply of heat-power, the opportunities for all men to gain the abundance of their dreams would so occupy them that the great need of man for the services of ma would drive out all thought of killing him by suicidal wars.

And now for answering your questions. We began with small scale models, the smallest weighing but twenty pounds and using No 26

wire and D.C. current of not more than 48 volts. From there we worked up to No.22, then No. 16 into A.C. current, from which we are getting our best results. The last one, from which we got amazing results in heat, and in taking out more amperage than we put in, weight about sixty pounds. We used our 110 A.C. house current.

The success we had with that decided us to make a real "professional" model, lathe wound, and mathematically calculated for turns, wire poundage, current and resistance which our dedicated engineer student and one technically proficient assistant has made possible. That will weigh over five hundred pounds, of which over three hundred will be in No. 12 wire and a 220 volt current.

If that proves to work even as well as its predecessor we will alert you at once. We know it will work better however, but we would not wish you to commit yourself to the statement made to your friends that it is sure until we have this final proof that it is sure. We do, however, wish you to go as far as you can comatibly go in making such preparations as are needed to make that great day possible before it becomes too late to make the great effect it would make as an advance statement instead of being an aftermath. We know you realize the value of that time as well as we do and nothing more can be said. We know, also, that you must have a sufficient "sales talk" when you present your case, and that is why we have painted the picture we have painted in this letter.

In thus presenting it to them make it clear that this is but the first step toward our goal, which is to rid ourselves of fear of Russia by power projection. This first step should no be kept secret for its power lies in its full publicity, but the power projection principle must be kept secret until we get it. That is what we will need NORAD aid for, in helping us to acquire a sufficient staff for our laboratory, and an official government status which we will need for protection, and even for the acquisition of needed extra land.

As our discovery is worth hundreds of billions we see no need for having a grant given by the government. We must prefer to finance it ourselves with our own assets. We believe we could best serve the government that way without lessening the advantage to the government of being able to control that final goal we are after.

With our very best wishes to all our friends out there, and our blessing upon you for the responsible task you have taken upon yourself for our country's survival as a free nation, we are

Sincerely yours,

Walter and Lao Russell.

P. S. We forgot to say that we are providing a twenty kilowatt generator so there will be many times the excess needed for self-motivation.

Sep. 24, 1961.

Dear Henry;

Your letter relieved our minds of the fear that you might have spoken to others about it, even though we warned that not one word should be said about it until we had verified our principle by an actual working model. We are afraid our last letter was over optimistic and regretted it as soon as we mailed it. It would be very humiliating to us as well as to you if we could not make good.

We regret also that we caused you and your friends to spend money upon inadequate instructions, for one learns more by the doing than one can anticipate by drawings in which the unforeseen cannot be seen until one does it. We have made progress, but we have had expensive set-backs which we can ill afford, for after spending approximately \$2,000 to date we have to revamp our last model and do it all over again. We will not have the new one until after Oct. 23rd, so there would be nothing to show if you did come, and if this last one did not work adequately, even though it showed some gain, we might have to stop for sheer expense which we can ill afford in these days of gradually lessening income.

We will not take up your time with letters until we have something definite to say, and that could not be until sometime in November.

Thanking you for your interest in us, and with our regards to all of you out there, we are

Sincerely yours,

Walter Endsbac Russell.

Sun cannot heat the earth
 without simultaneously cooling
 it - for the generation of heat in
 by contraction of matter, simultaneous
 cools it by the expansion
 of space which surrounds it.
 This effect is ^{sequentially} repeated in
 earth which simultaneously cools
 earth and heats surrounding
 space - a

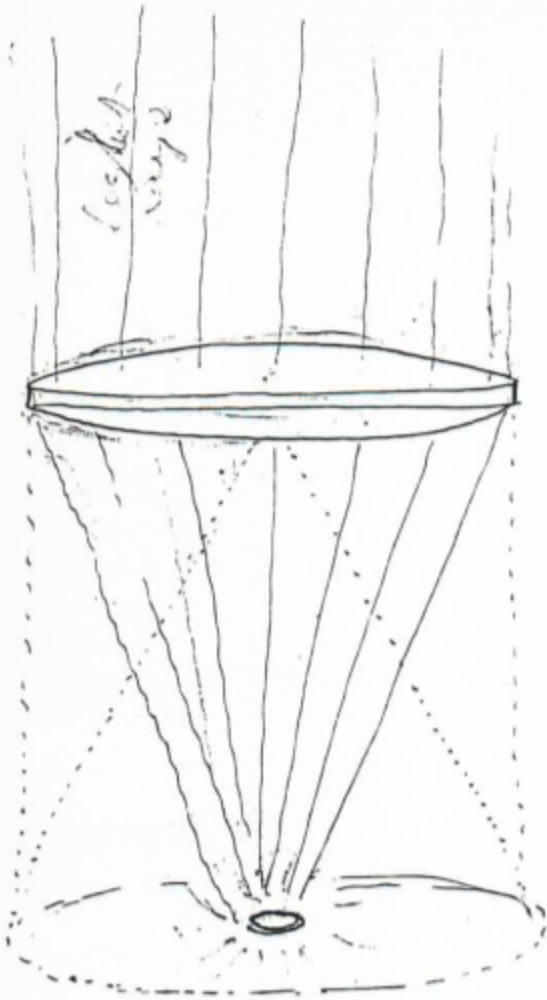


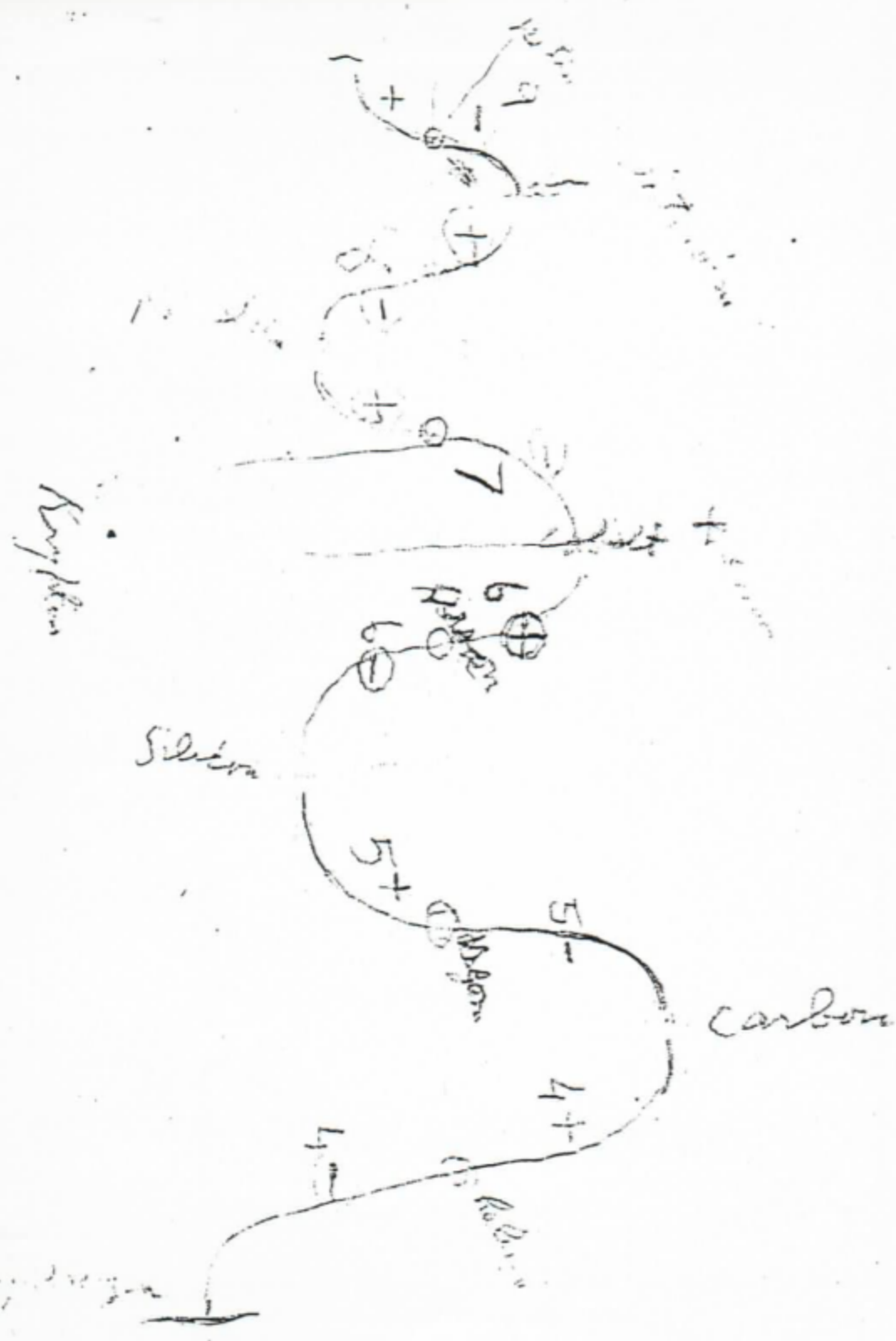
LAW

Positively charged solids and
 negatively charged space
 are equal and opposite
 quantities in every way
 (like) -

... ..







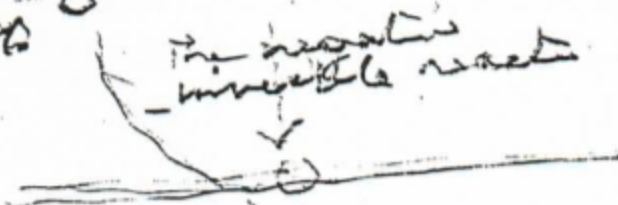
The ball

position
action

(3)

BALANCE
EQUILIBRIUM

MIRROR



The throwing of the ball thus creates two unbalanced conditions - One has borrowed power from equilibrium to extend itself at the expense of substituting power from equilibrium to counterbalance its unbalance.

This is the natural principle of dividing all effects of motion into equal pairs of opposites -

The ball

position
action

(3)

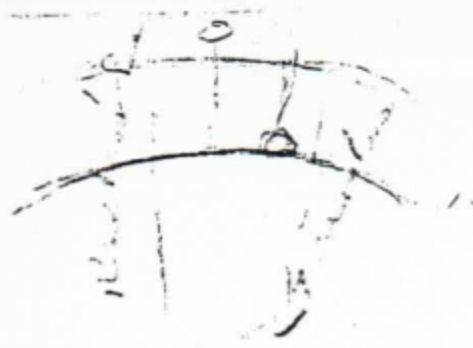
BALANCE
EQUILIBRIUM

MIRROR

The negative
invisible react

The throwing of the ball thus creates
two unbalanced conditions -
One has borrowed power from
equilibrium to extend itself
at the expense of substance
power from equilibrium to
counterbalance its unbalance

This is the true principle of
dividing all effects of
motion into equal pairs
of opposites -

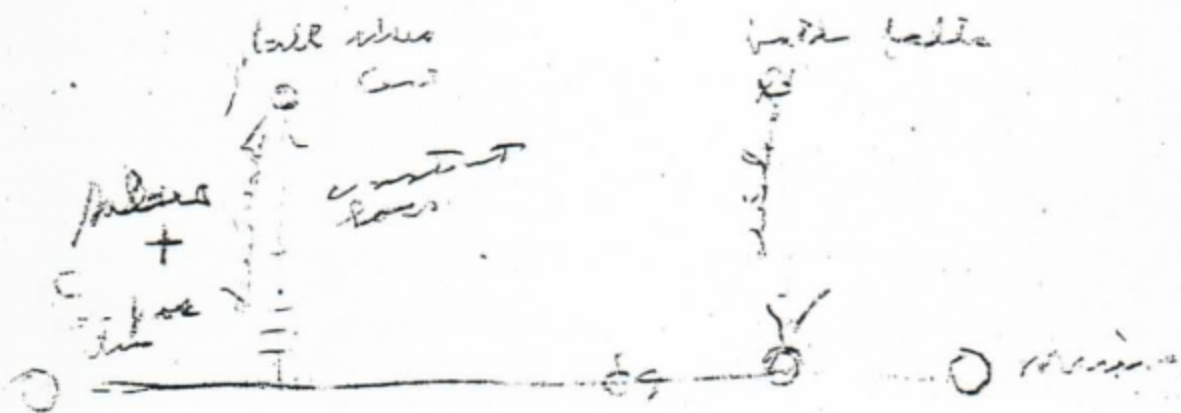


4

Gravity - no vertical pull
 constant velocity

Rise - the - ...
 thrust force - ...

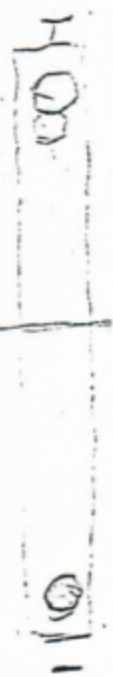
... and ...
 the ...
 ...
 ...



...
 ...

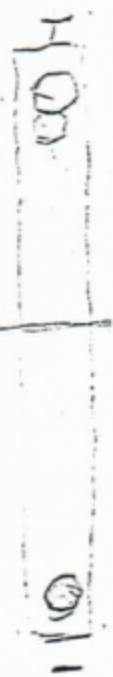
Start on Space

Always
press
to record



Start on Space

Always
press
to record



credit 1000

$$0 + 1 = -(-0 - 1)$$

~~Bank~~ $0 + 1000 = (0 - 1000)$

debit

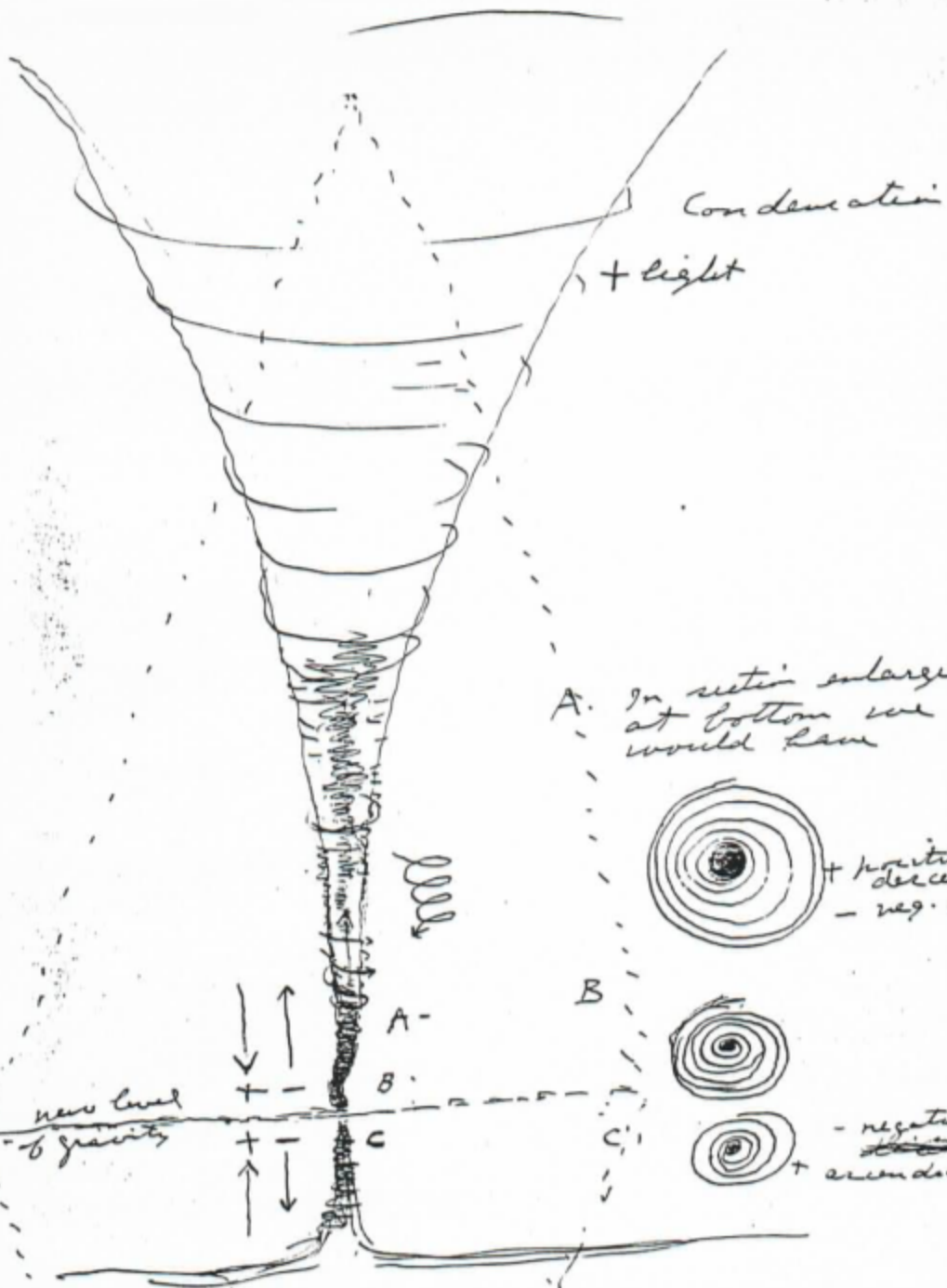
$$+0 + 1$$

- 1000

$$0 + 1 = -(-0 - 1)$$

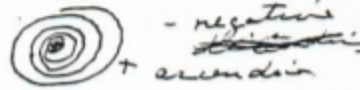
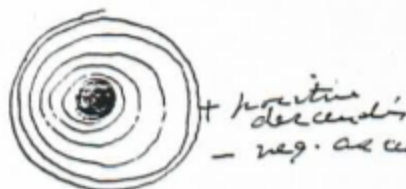
$$0 + 1 = -(-0 - 1)$$

This is the
correct form
of this equation



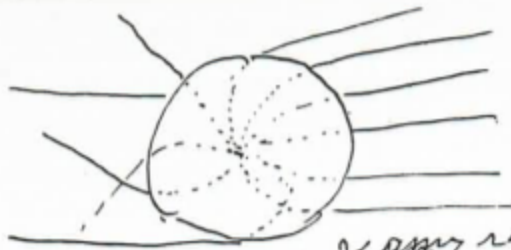
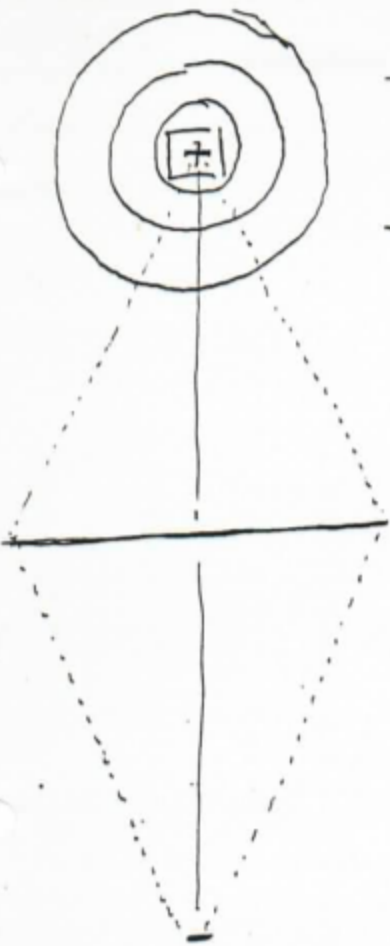
Condensation
+ light

A. In section enlarged
at bottom we
would have



new level
of gravity





18 Any rays of light
from any direction hit
against a glass sphere
the rays would all bend
to the center.

draft of Letter to
William Laurence of the N. Y. Times.

Mr. William Laurence,
New York Times, N. Y.

Re: THE NEW CONCEPT OF THE UNIVERSE.

Dear Mr. Laurence:

Thirty years ago you asked me to tell you the difference between my new concept of the universe and the present one. I could not define it then because I did not know the language of science and you did not know mine. I can do it now, however, for I have fully learned its language so that I can now interpret my new concept of the universe into fully comprehensive words and terms that any scientist can comprehend. This interpretation will once more transform scientific thinking into completely- one more ^{step} higher stage of unfoldment and as other transformations have done since the first archaic class world concept of the Greeks gradually opened through Ptolemy Copernicus, Galileo Newton and the centerless universe of the modern thinking. If I am right this could be the story of all stories for this age, and I am first offering you the exclusive on it because of your one time interest in it which prompted your question. You can have the story if you like, otherwise I shall present it in another way a few years later. In order to properly present it you must, yourself, comprehend it so that would require you to read at least three hundred pages of its six hundred, and to carefully absorb the diagrammatic story told by some

hundred or more drawings in ~~unlike~~ spectrum colors as well as black and white.

SECRETED BY SPY.

A brief synopsis of the new concept would help you decide whether or not you wish to examine the data upon which THE NEW SCIENCE OF TOMORROW is based. A comparison with the present and the new will fulfill this need.

The present concept is based upon electrically energized matter which moves in magnetically controlled fields. Suns and earths are presumed to be surrounded, ~~by~~ and controlled, by magnetic fields. The everyday practice of obtaining light, ~~and~~ energy is through motion of matter. To transmit electrically created energy power and light other matter is made use of in the form of wires and cables. Present day science frankly admits it does not know what light is, or what gravitation is, but it believes that light is either wave or corpuscle, or both, and it believes that gravitation is ~~is~~ a force of attraction which pulls inward from within and thus caused great heat. In order to produce electric power and light from matter by friction and induction, and so-called ^{non-existent} lines of force passing through armatures which violate every principle of Nature, other matter is required for fuels to activate the moving parts needed for extracting power from matter

and conducting it by waves through other matter.

Could we not properly define electricity as a process of
obtaining light, heat and power by interchanging one form of

matter into other forms through the division of their static conditions

into pulsing, dynamic ones? Has science been fully justified in

defining electricity as a force in itself, rather than a process? The

answer to that when electric methods are used to multiply heat and power

or to bring invisible light into visibility, the ^{light} flame and its flame-produced

heat is the same flame of light and heat which a lens produces optically

without the use of moving parts, or without the need of interchanging

various forms of matter, or without the need of producing heat and

flame to produce heat and flame.

Electric methods are powerful, but there is a greater force in the universe than electricity, and that greater force which transcends matter and motion is the curvature of gravity. Man has not yet discovered this force for he has never known the nature of gravity or of light.

These two super-secrets of all time have been given to me to know in all their fullness, and that knowledge is the basis for my new science of tomorrow which reveals this universe to be ^{is} optical, photo-synthetically based rather than electrically based.

This means that the only power of the universe is LIGHT, and its manifestation of interchange through waves is ^{its manner method} thereby means of transforming its static condition into a dynamic one.

gravity controlled centered and gravity controlled.
Waves are spheres of light, and spheres are curved. The curvature of spheres both divide and multiply light into expanding ^{centrifugal} spirals, upon which the principle of fission is based, and upon the compressing centripetal spiral, upon which the principle of fusion is based.

To know the wave is to know ^{all the secrets} the manner of Creation, and I know these secrets because I know the wave. It is that knowledge which has enabled me, during these years to develop the completely new science of space geometry which, for the first time in history, reveals the mysteries of space, and its basic curvature to be the only means of projecting light, heat and power from the one power station provided by the Creator for each solar system.

My NEW SCIENCE OF ELECTRICITY, is, therefore, based upon the power of the light of gravity to project heat, light and power from its solar source without the aid of moving matter, or without the use of wires and cables of conductive material. When man produces a flame by the use of other flame, plus friction, plus induction, he is using the resources, but when he produces a flame by focussing gravity

to a spherical wave center, which is what a lens does, it is the curvature of space which accomplishes that miracle and nothing else.

Man has long known that wave interferences do not alter the directions of wave expansions, but he has never known that wave interference creates lenses which compress spheres into centripetal vortices. Man's habit of looking at the wave two dimensionally, instead of three dimensionally, has dwarfed his ability to conceive the myriads of lenses which comprise all space and all matter. The science of optics is aware that a lens is the base of two opposed cones. It is also aware that the virtual focus of a lens is the apex of a cone, but it has never been aware of the fact that that virtual focus is the first of four foci which culminates in a center of gravity.

The new science for tomorrow deals in higher optics which knowledge of the nature of light, and of gravity, and of the wave, and of the geometrization of space. The new science also reveals that there is no force in Nature which attracts, or pulls inward from within. It reveals that Nature creates explosives only, and that all matter is explosive, and that all of it is slowly exploding continually, and all of it will explode instantly when fused with a spark of sufficient intensity to release it from the cold of its environment, which alone, gives it the power to endure throughout its own rhythmic time cycle.

hundred or more drawings in ~~many~~ spectrum colors as well as black and white.

SYNOPSIS OF STORY.

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New age Journal June 1977

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Could we not sum up this ~~process~~ ~~electricity~~ ~~process~~ ~~of~~

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or to bring invisible light into visibility, the ~~flame~~ ~~thus-produced~~ ^{flame} flame and its

heat ^{flame} is the same ~~flame~~ ^{flame} of light and heat which a lens produces optically

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June 1977
General

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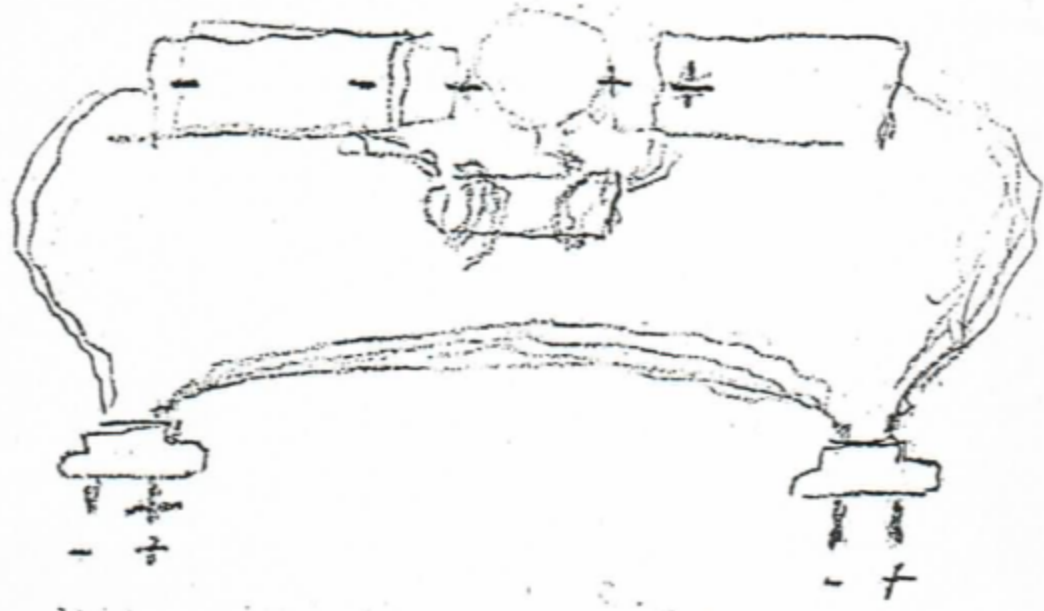
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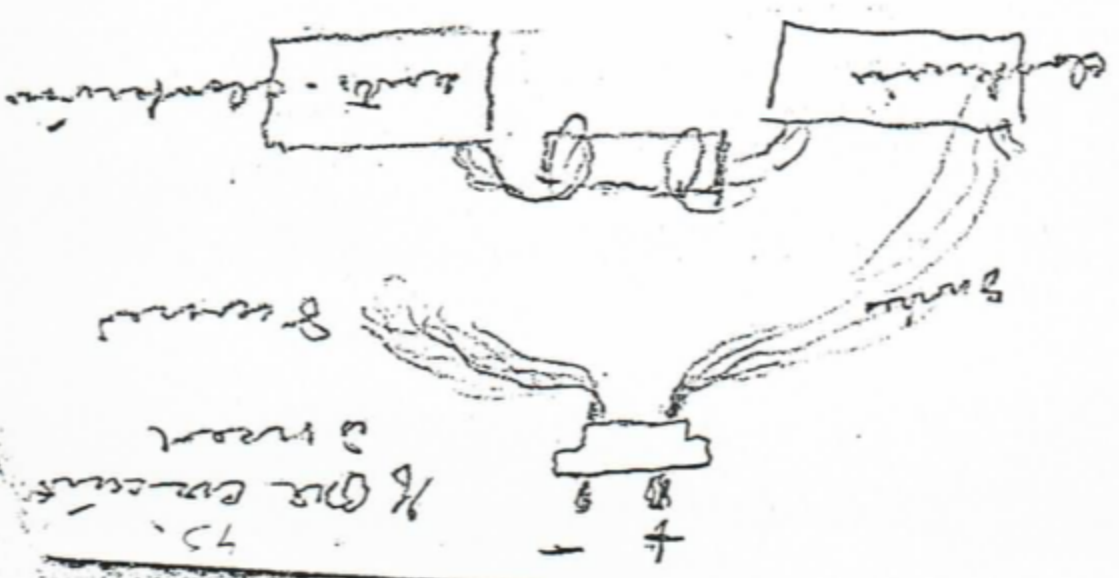
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that kind of wiring after first proving it on small scale with 26 gauge wire and 12 volt dry cell batteries, for we dare not use high voltage for fear of accident.. we have found that one of our student who worked with us before



18 lbs circuit one way



May 27th, 1961.

Dear Henry;
22

Page No. 2 on the letter we sent you yesterday is a bit confusing the way we have written it. We have rewritten it to make it more clear and attached a simple diagram to add to the clarity. Please destroy the first No. 2 and substitute this one.

Sincerely yours,

Walter and Lao Russell.

that kind of wiring after first proving it on small scale with 26 Gauge wire and 12 volt dry cell batteries, for we dare not use high voltage for fear of accident.. We have found that one of our student who worked with us before

that kind of wiring after proving it on small scale with 26 gauge wire and 12 volt dry cell batteries, for we dare not use high voltage ourselves. We have a student who has worked with us before and is familiar with high voltages and he will come with us long enough to test our coils on house current.

* * * * *

We are carrying out Major Cripes suggestion to tell you what we are intending to do so you can think it over and apply it to your wiring if our tests prove out. The following describes our experiment.

- (1) Instead of one wire extending from the positive and negative poles of a circuit (if you use one circuit) extend eight wires from each pole. Make ~~EMA~~ two wires 14 gauge, the next two 18 gauge, and the next four 22 gauge. We can twist the tops of these wires together to simulate a cable but they must then hang free for distribution over consecutive coils, as described by the following.
- (2) We will wind the first wire around coil No. 1 clockwise, the way you would turn a right hand corkscrew with the right hand. When coil is completed it must be checked with voltmeter and rheostat for resistance.
- (3) The second coil will be wound with TWO wires by adding the second wire to the first. Continue till resistance checks with coil No. 1.
- (4) We will then wind No. 3 coil with the two 18gauge wires added to the first two. We now have four wires, like four brooks joined together to give more gravity pressure to the river. Check to make it equal to the others.
- (5) We will then add the four 22 gauge wires to the other four and complete coil No. 4 in same way, also checking for balance.
- (6) We will then connect the eight wires of the positive pole with a large bar of iron or copper, but you will have your tank sides to solder them to.
- (7) We will then repeat the operation in reverse on the other parallel series by winding them as one would wind a left hand corkscrew with the left hand. We will then connect the negative cable with the other end of the steel or copper bar. IF WE CONNECTED THE CABLES TO EACH OTHER THEY WOULD FUSE. THE BAR ITSELF WILL GRADUALLY HEAT TO RED OR WHITE HOT. You will have the tank sides to connect them to and water will be in the tank.
- (8) If you use two circuits instead of one, then connect the opposite poles of each with a similar eight wire cable.

* * * * *

If we have emulated Nature optically, hydraulically and electrically we should be able to demonstrate her power of multiplication the same way that many brooks become a mighty Niagara, or how helium

46

Dear Henry and Associates.

This is a further record of our work on the Russell's Optic dynamo and new thoughts arising from same.

1

Regarding checking each coil for equalizing resistance.

More mature thinking tells us that the error of doing that. These eight coils are not separate coils. They are two mates of one pair. Each four coils are one and each of the two groups of four should be checked at the number four coil for equal resistance.

We refer to Nature for reasons. Nature's every expression piles up resistance in four octave steps and focuses it maximum at the number five position between the mated pairs. THAT IS THE VERY ESSENCE OF NATURE'S POWER MULTIPLICATION PRINCIPLE.

EXAMPLE NO. 1. THE HELIUM OCTAVE.

1 HELIUM	2 LITHIUM	3 BERYLLIUM	4-0-4 BORON	5 CARBON	6 NITROGEN	7 OXYGEN	8 FLUORINE
0	1	2	3	4-0-4	3	2	1
<u>MELTING POINTS --(centigrade)</u>							
- 271	186	1280	2350	3600	-210	-218	-223

The helium octave is the central, -or fifth - of the nine octaves. Note that the red side of it accumulates compression rapidly until it jumps from -271 gas to plus 3600 degrees of solidity and density. The green side never reaches solidity for that octave is the turning point where genero-activity yields its maximum power to radioactivity.

Take note also that resistance means compression, and compression means heat, and heat multiplication means to generate.

COMPARE THIS WITH THE SIXTH OCTAVE

0 NEON	1 SODIUM	2 MAGNESIUM	3 ALUMINUM	4-0-4 SILICON	5 PHOSPHORUS	6 SULPHUR	7 CHLORINE
<u>MELTING POINTS</u>							
-253	98	651	659	1470	725	119	-102

SPECTRUM

red-violet orange
Blue-violet red orange yellow - yellow green green- indigo
blue blue

COLD: heat multiplies ← heat multiples COLD

Conclusion. It therefore follows that each mate pair should be considered as equal WHOLES and not as separate coils.

EXAMPLE NO 2 GROWTH OF MAN

Man starts at zero as a baby. He passes through four generative stages of multiplying power - childhood - boyhood - youth and matured manhood. Man represents the red side of the spectrum

Woman is the mate to man. She passes through the same stages of accumulating power in the same way. Woman represents the green side of the spectrum.

At full maturity their united powers are maximum and their generative powers reverse toward radiative ~~maxima~~ cold.

RIVERS AND OCEANS EXAMPLE NO. # 3

All the brooks and rivers multiply their power and give it to all the oceans. The oceans forever divide their power and give it back to the brooks and rivers.

The very essence of Nature's power multiplication principle is to generate heat and power by compressive resistance in FOUR OCTAVE STEPS. Beyond that Nature does not allow further multiplication. NATURE'S PAIRS OF FOUR THEN MEET AND THE CYCLE REVERSES.

If we call that meeting point No. 5 the ocean, or the matured man and woman are that No. 5. The sun in our heavens represents that No. 5 position. The fulcrum of the lever also represents that No. 5 position.

Some day we would like to explain to you what that characteristic of Nature really is, and why it is so basic. If that wave characteristic was known by present day science its mathematics would be more reliable and its axioms would be truths instead of assumptions which prove to be not truths.

REGARDING CONNECTING THE CABLE ENDS.

In our last letter we drew a diagram showing the No. 4 cable ends connected by a bar of steel or copper. You will note that the bar is not on the core axis. That was done purposely to create a minimum of heat. If the bar - especially of magnetic soft iron is placed on center - in the armature position, that would be the point of optical focus - or gravity center, where heat would be maximum.

EXAMPLES.

A bi-convex lens like Fig.1 seen edgewise, would look like this. The arrows show the direction of increasing resistance.

The same lens shown face view would look like this. Its hottest part (resistance) would be its outer rim.



Warm rim - cool center



Hot Focus
Paper would burn
at this point.

Copy

Monday Feb 27/61

THE KEY AMBASSADOR

On the Atlantic Ocean KEY WEST, FLORIDA

Dear Henry - The enclosed sketches help explain the wheel better. I have always thought of putting the ~~brush~~ brushes on the sides of the insulated wheel but more speed and friction can be obtained by extending the rim and putting the brushes on it. Remember always that the wheel is a pair. In electrical practice the two may have to be insulated best in Nature - the sun - they are insulated by the static white equilibrium which divides the two yellows.

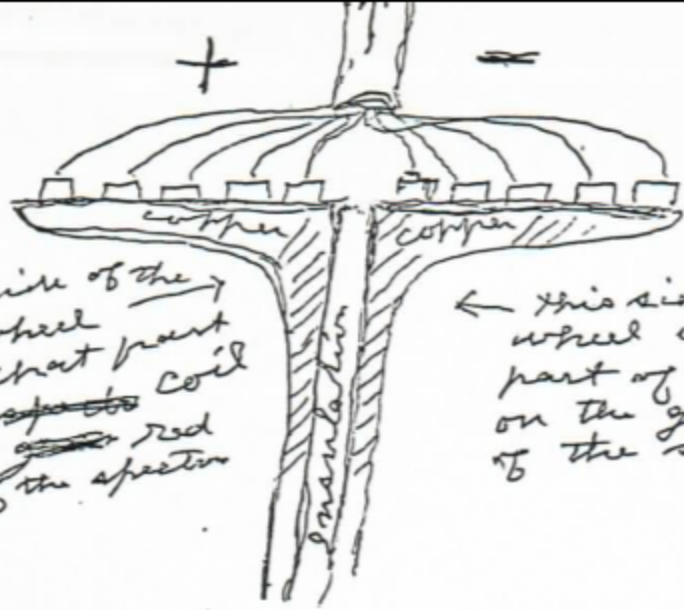
Remember also that each of the pair are parts of coils number 4 on each side of the armature. It may be that the two wires which lead to coils no. 4 could be attached to this wheel by metal rollers (copper) or brushes. The number of brushes which can lead from the wheel is limited only to the size of the dynamo. A very large dynamo could develop heat and power enough in the armature for steam pressure enough to send current through thousands of brushes, or the dynamo could be extended in series all the same size, right and left indefinitely.

Hope this will clarify yours a little for you.

Truly yours

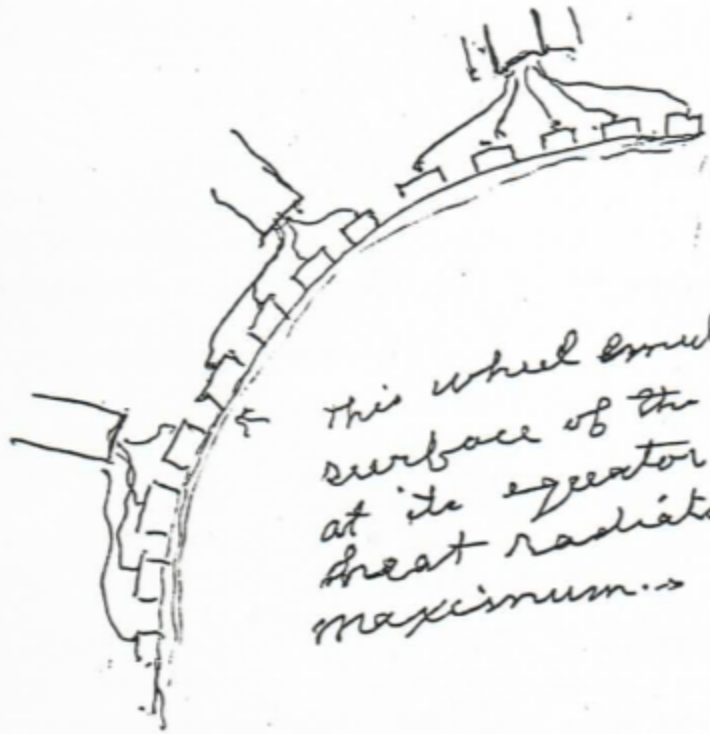
Hubert Russell

12

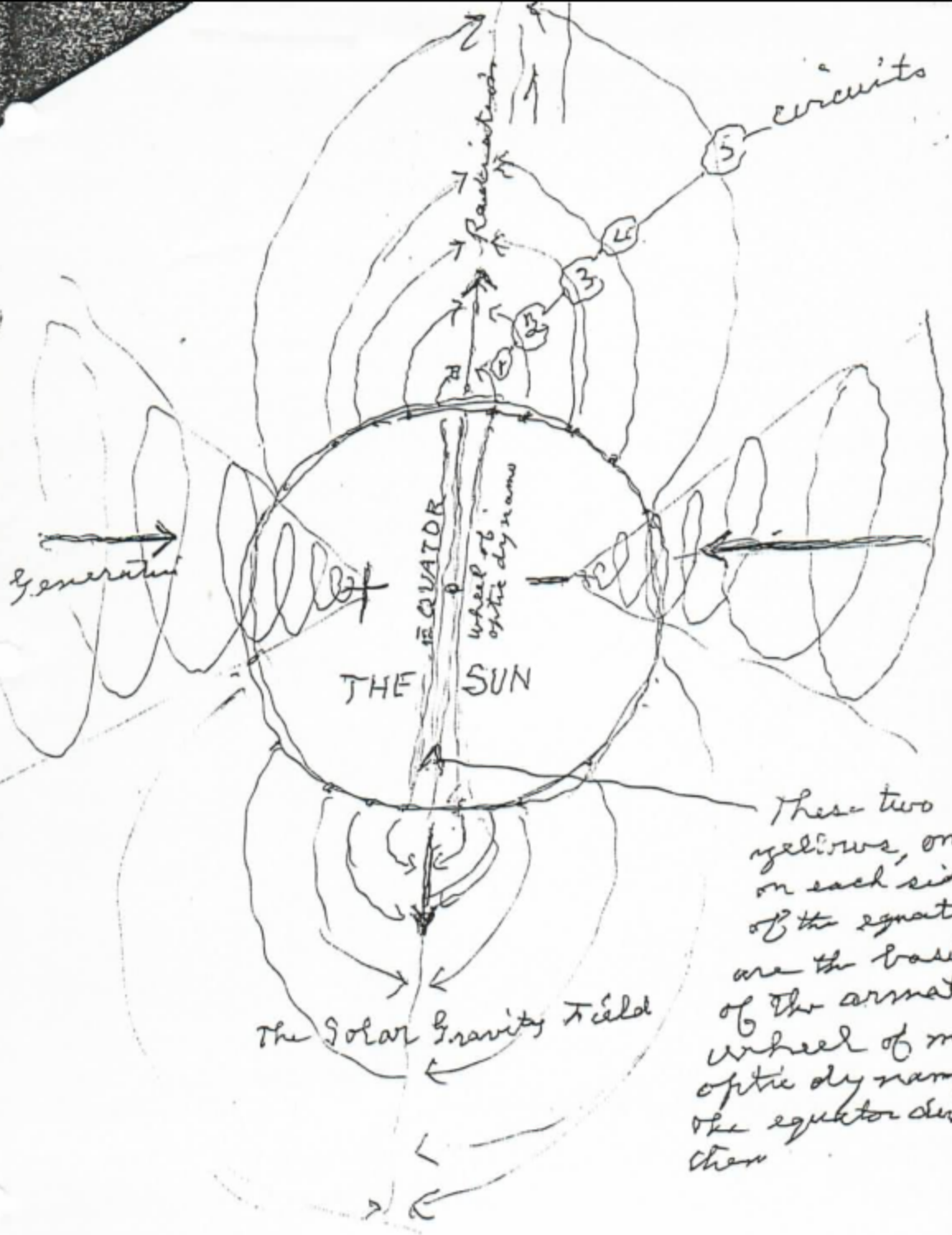


This side of the wheel is on that part of the ~~spectra~~ coil on the ~~red~~ red side of the spectrum

← This side of the wheel is ~~on that~~ part of coil # 4 on the green side of the spectrum



This wheel emulates the surface of the sun at its equator when heat radiation is maximum.



These two
 magnets, one
 on each side
 of the equator
 are the basis
 of the armature
 wheel of my
 optic dynamo.
 The equator divides
 them

rest from it
returns to that
rest from which
it sprang.

2

Examples.

If you throw a ball you start
from rest - the ball seeks
rest in an unstable and
unbalanced position which
it cannot maintain, then
seeks rest in the stillness for
which it sprang.

Every action in Nature
repeats this fundamental
principle, whether an oak
tree which performs that
operation in a hundred years
or a mountain in a
millions of years.

