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From The Editor . . .

Its conference time again, and I must say that I am looking forward to this very much. It promises to be quite unique. Not only has the Public Affairs Office of the local SAC base consented to supply our conference with a speaker, but Mr. Nicholas Mariana has been issued a very cordial invitation to attend. Its my hope he will be able to make it. A lot of questions could be cleared up just by his being present.

I'd like to take this opportunity to thank the PAO at Malmstrom AFB, Sgts. Davis and Elder, Capts. Bybee and Thomas in particular, for their diligent efforts to secure a speaker for our event. I believe, at last conversation with Sgt. Davis, the officer attending will be attached to Missile Security. The Montana Air National Guard has also been invited to furnish representation, but as yet nothing from their side has been determined.

Local veterinarians as well as law enforcement officials are more than willing to aid our quest for newer and more dependable information and a few have graciously consented to address our membership.

This gathering promises to be a 'first' and I am very proud to have been a part of it. I do, naturally, hope for an unqualified success but apart from that, I am looking forward to making another step in the direction of unification of purpose. I am doing this for the SBI first, and my own curiosity second. I could have used many more hands and a LOT more money, but the ends will more than justify the means as far as I am concerned. I hope after attending, you feel the same way, and I would be very interested in receiving your letters and ideas on the subject.

I thank you for your patience during our lapse in publication. It was a hard road, and the end is finally in sight. I also thank you for your confidence in me as your Editor, and I am looking forward to many more years in association with the SBI and you, our members, subscribers and friends. ■

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Copy of Original: (Military Archives Division)
Gen. George C. MARSHALL, Chief of Staff brief Memorandum
on February 26, to President Franklin D. ROOSEVELT about
the "mysterious" Los Angeles air alarm.

OCS 21347-c6

February 26, 1942.

MEMORANDUM FOR THE PRESIDENT:

The following is the information we have from GHQ
at this moment regarding the air alarm over Los Angeles of
yesterday morning:

"From details available at this hour:

"1. Unidentified airplanes, other than American
Army or Navy planes, were probably over Los Angeles, and
were fired on by elements of the 37th CA Brigade (AA)
between 3:12 and 4:15 AM. These units expended 1430
rounds of ammunition.

"2. As many as fifteen airplanes may have
been involved, flying at various speeds from what is
officially reported as being 'very slow' to as much
as 200 MPH and at elevations from 9000 to 18000 feet.

"3. No bombs were dropped.

"4. No casualties among our troops.

"5. No planes were shot down.

"6. No American Army or Navy planes were in
action.

"Investigation continuing. It seems reasonable to con-
clude that if unidentified airplanes were involved they may
have been from commercial sources, operated by enemy agents
for purposes of spreading alarm, disclosing location of
antiaircraft positions, and slowing production through
blackout. Such conclusion is supported by varying speed
of operation and the fact that no bombs were dropped."

DECLASSIFIED

E.O. 11652, Sec. 3(b) and 5(D) or (E)

OSD Letter, May 3, 1972

By 11 NARS Date 8-9-74

(Sgd) G. C. MARSHALL

Chief of Staff.

mlm

~~SECRET~~
Orig. dispatched to Pres.
2/26/42

21347
86

Editorial

by: James R. Leming

As we draw nearer to the date for our upcoming symposium, I am inclined to remember other such meetings. Basically all begin the same; everyone gets to meet everyone else; old acquaintances are renewed; updated material is shared; and then the cliques separate, each adhere to their own theory and promote their own ideas, without thought of co-operation.

Its all accidental. Its done every time. We just take it for granted. It is now time to do something about it. Its time each little group brings its pet theory forward and places it on the storyboard containing the big picture. How will we EVER know what pieces are missing if they're constantly being hidden in the pockets and minds of a few individuals?

This conference will have, for the first time, participation from local law enforcement officers, local veterinarians (both concerned with cattle mutilations) and finally a representative from the U.S. Air Force! It is my fondest hope that this conference is not wasted on people who do not want to learn . . . we have a golden opportunity to compare notes with the very people who have the closest contact with the phenomena we study. Could anyone with the slightest bit of intelligence let this chance go by untouched? I HOPE not.

Bear with me for a moment while I reconstruct some past symposia.....

Individuals such as you and I spend good money (and usually lots of it) to travel to these meetings. Lodging, books, new documents, meals, souvineirs and the like take quite a chunk out of the old pocket. So unless these trips are nothing but 'vacations' with a sidetrip into the bizarre, why not get your money's worth? Aside from the lectures and displays, there is an abundance of a natural resource as yet untapped . . . the local people who have actually experienced something they cannot explain. So what do WE do? Collect in corners and promote theories that cannot be proven with the facts we possess. Why not talk to the people that these things have been happening to?

The speakers at every conference re-cover the same material. True they are 'playing' to a new house, but that doesn't show the advancements that have been made. There may be a few out there who have never heard of Barney or Betty Hill. If they want history, the library is full of it. Tell them something new; something that they will have to look up to find out what it is. This is the way to get new questions asked. There is a certain amount of security in going over old material. The facts have been well traced and the story flows with familiarity. Try telling someone about a radar case that just cannot be true. The facts released by the government were nothing but an assortment of past actions that went together, but in fact, were totally unrelated. The capabilities of the radar were exaggerated to the point of being misleading but because the government issued the

release, it was accepted as gospel.

We are faced with the chance to draw 'new blood' into the pursuit. I say let's go for it. Maybe with the new cases and new details about old cases finally coming to light, we can create another batch of well-worn accounts. But until we ask the PEOPLE, we have nothing but memories passed on to us by our predecessors. We OWE the future investigators, organizers, founders and researchers a better legacy than we were given. Just look back at the ground we had to make up due to false reports, hoaxes and tons of misleading information that had been taken as truth up to the time we started re-investigating some of the more positive cases.

Try to think of what we, as an investigative organization, are doing in relation to flying a kite. In the past, investigators of every UFO group in the world has merely been tying another knot in the ever-growing tail on the same old kite. If the wind ever stops, for any reason, we are faced with the task of trying to get it back to where it was. The whole point of kites is to develop newer styles that fly higher, longer, get airborne with less and less effort. If we have to waste time and effort just to regain the status quo, we will never make any progress. I said it once before in one of my editorials . . . 'If a person were to bury in a time capsule all the current information we now possess, listing cooperative sources, affiliations and projections of study, and buried it -thirty years from now, we would still have the same information we have now.' We cannot make changes by repeating history. We have to get after it, and get after it NOW. ■

Systems Technology

Cont'd. from page 16

5. *Crystal File*. Rainer Group (see address 4.) \$15.00 pp.
6. *The Gravitics Situation*. Rainer Group (see address 4.) \$25.00 pp.
7. *The Odic Force*, Reichenbach. Health Research, P.O. Box 70, Mokelumne, CA 95245, \$6.00 pp.
8. *Space-Time Transients and Unusual Events*, Persinger. The Sourcebook Project, Box 107, Glen Arm, MD 21057, \$8.95 pp.
9. Wilhelm Reich books, Harper and Row Co., at popular bookstores.
10. *Levitation Disc Generator* (on Searl), Rex Research, P.O. Box 1258,

Berkeley, CA 94704, \$19.00 pp.

11. *Electrokinetic Propulsion Device* (on T.T. Brown), Rex Research (see address 10.) \$10.00 pp.
12. *Reich Accumulator Report*. Fry's, 22511 Markham, Perris, CA 92370, \$6.00 pp.
13. *Reich and Constable Folio*. Fry's. (see address 12.) \$3.00 pp.
14. *Ether Technology-Gravity Control*, Rho Sigma. Fry's (see address 12.) \$7.95 pp.
15. *Schauberger Reports*. Fry's. (see address 12.) \$10.95 pp.
16. *Implosion Instead of Explosion*. Fry's. (see address 12.) \$7.95 pp.
17. *Moongate*, Brian. Future Science Research Pub. Co., P.O. Box 06392, Portland, OR, 97206, \$10.95 pp.

18. *Gateway to Oblivion*, Hugh Cochrane. Avon, Mail Order Dept., 224 W. 57th St., New York, NY 10019, \$3.00 pp. Book #54817.
19. *How to Build a Flying Saucer*, Pawlick. Prentice-Hall, Inc., Englewood Cliffs, NJ 07632, \$6.95 pp.
20. *The Secrets of Flying Saucer Propulsion*, Huntley. Energy Unlimited, P.O. Box 35637, Station D, Albuquerque, NM 87176, \$10.00 pp.

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What Is Ball Lightning?

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In the UFO literature it is occasionally suggested that the weather phenomenon of ball lightning (also known as globe lightning and *kugelblitz*) is responsible for some UFO sightings. This assertion, no doubt, arises from the many physical properties common to both ball lightning and the smaller spherical UFOs which are usually automated probes dispatched from larger extraterrestrial vehicles. As the reader shall soon see, these similarities are primarily due to the nature of the structure of ball lightning and the main components of an extraterrestrial probe's propulsion system which involve the generation of the device's mass negating anti-mass field and the emission of visible electromagnetic radiation as the plasma surrounding the probe is forced through crossed electric and magnetic fields near the device's outer hull to produce the thrust which move it. Obviously then, if the ufologist can finally understand the true nature of ball lightning, he or she will more readily be able to determine those cases in which a witness has merely seen ball lightning and not a genuine extraterrestrial UFO.

"No one has ever photographed the phenomenon although it has been simultaneously observed by several witnesses."

This short article shall begin by giving a brief summary of the observed properties of ball lightning and then go on to provide a new model for its formation and evolution. It will be seen then, as in the case of UFO propulsion, current earthly physics is inadequate to fully account for this rare meteorological phenomenon. To arrive at a totally satisfactory model, the concept of the anti-mass field will have to be introduced into the treatment.

LET US NOW DEFINE what is meant by the term "ball lightning". As its name implies, ball lightning is a self-contained spherical object that glows brightly. It has been observed and reported, though infrequently, for hundreds of years and is

most common in the period immediately *following* a local storm (note: the first reference for this unusual effect that I could find was in the writings of the Roman poet Lucretius around 68 B.C.).

No one, to this writer's knowledge, has ever observed ball lightning in the process of formation; rather, the witness will either suddenly happen upon these objects or the ball lightning will suddenly move into the vicinity of a stationary witness. No one has ever photographed the phenomenon although it has been simultaneously observed by several witnesses. Also, although the adjective "ball" is used to describe the phenomenon, it has very rarely been observed to come in ovoidal (i.e., egg shaped), cylindrical, and even donut shapes.

As far as size and color are concerned, ball lightning may roughly be divided into two distinct types. The first type consists of small spheres from a few inches to about a foot in diameter. These usually glow from red to reddish-orange as they increase in size. The second type are usually several feet in diameter and have a blue-white to blue glow as they increase in size.

The size of the ball lightning also seems to determine what its ultimate fate will be. If it is small and reddish, it may harmlessly move about producing fizzing or hissing noises and, after a period of a few minutes, slowly dissipate as its glow fades out. The larger and brighter bluish ball lightnings, however, do not end this way. They usually produce louder hissing and crackling sounds and release sharp and irritating odors. They exist for a shorter duration than their smaller counterparts and end their existence with a violent explosion. There have been a few cases of witnesses injured when these second types have exploded.

BALL LIGHTNINGS of both types are capable of hovering or slowly drifting about, usually in close proximity to the ground. They are sometimes seen to glide or roll along fences and roofs. Occasionally, they enter homes through open windows or chimneys, but there are a few

cases where they have been observed to pass directly through small holes, wire screens, and plate glass windows. Obviously, a blue lightning that suddenly detonates inside one's home can cause much panic and damage.

Finally, we can note two additional details to the structures of these objects which will later be seen to be important clues to their true structure and nature. There have been a few occasions where witnesses have attempted to grab hold of the smaller red type and noticed that these objects would instantly slip away through their fingers no matter how hard or fast the witnesses moved their hands. Thus, we see that these objects are extremely difficult to handle and can easily distort when grasping forces are applied to them. Also, there have been some sightings where the witness managed to get to within a few feet of a ball lightning and noticed that up close it did not display a uniform glow. Rather, it was noted that the surface of the object seemed to be covered with many luminous "worms" or tubes of light that layed along the surface and were closely crowded together. These luminous worms have been observed to be in a state of constant motion implying that they represent a flow of material from the ball's interior to its surface and then down again into its interior.

Previously, there has been no single theory of ball lightning structure which accounts for *all* of the above observations, nor have earthly scientists been able to duplicate this phenomenon in the laboratory. This detail may surprise the general reader who has seen photographs of glowing laboratory plasmas, but these laboratory curiosities do *not* qualify as true ball lightnings. The reader is usually not told that these plasmas can only be induced in gases at low pressure when they are exposed to very high voltages or powerful microwave beams. By using either pure nitrogen or oxygen gas, one can excite its atmospheric molecules and cause them to emit reddish and bluish glows. However, unlike real ball lightnings, these small laboratory plasmas are never self-contained; that is, they can only exist as long as they are confined to the experimenter's apparatus and supplied with large amounts of energy. They simply can not leave the apparatus and fly about independently. It is for these reasons

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that this writer feels that currently produced laboratory plasmas are only very remotely similar to true ball lightnings. Laboratory plasmas usually dissipate within seconds of having their power supply interrupted.

To begin our analysis of true ball lightning, we must first offer a plausible mechanism for its formation. Unlike the previously mentioned laboratory plasmas, the formation of ball lightning must involve gases at normal sea level atmospheric pressures and must involve low voltages. As the reader will soon realize, current earthly physics can not provide such a formative mechanism. We, however, will utilize the concept of the anti-mass field which this writer's previous articles have shown is highly successful in rationalizing the propulsion used in UFOs.

IMAGINE THAT IT is the time shortly after a local rain storm. The night air in a particular field is now relatively calm and is just beginning to be warmed by ground heat stored during a long day of exposure to the sun. The air near the ground of this field is rich in ions (i.e., negatively charged electrons and positively charged air molecules and atoms) that were created by the lightning strikes from the storm clouds and, because it is slowly being heated, tends to rise along various objects projecting up from the ground.

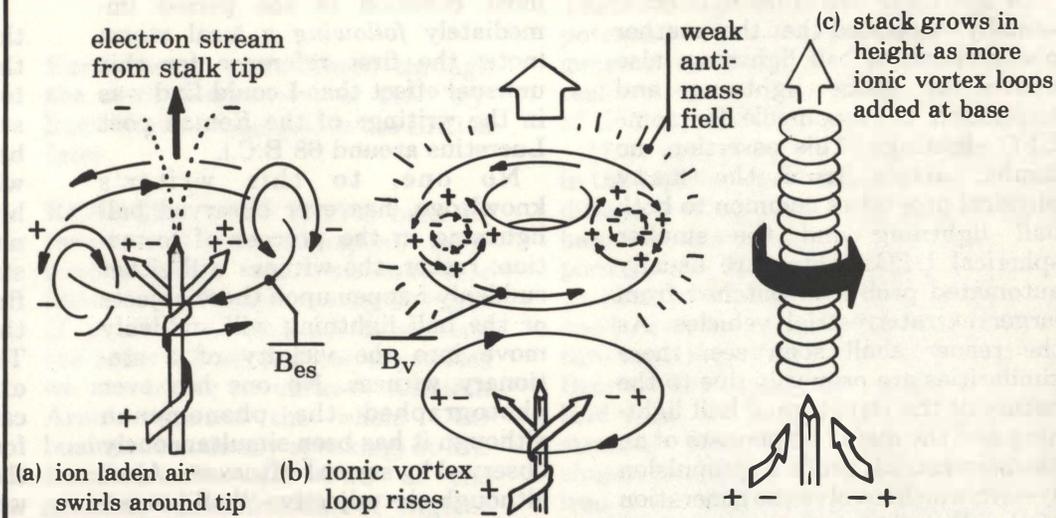
In the field there are many dead and broken plant stalks with pointed tips. These wet structures allow the normal accumulation of electrons in the ground to stream off into the slightly positively charged atmosphere. However, after the storm, the current levels of these escaping electrons are higher because of the wetness of the soil and the conductivity of the storm produced atmospheric ions.

At the pointed tip of one particular plant stalk, electron stream flow is high and this current flow causes the stalk's tip to be surrounded by a weak magnetic field. As heated air rises about this stalk, the air tends to swirl about the stalk due to irregularities in the stalk and in the ground heating of the air around the stalk. Thus, as the air enters the

it is swirling rapidly along the magnetic field lines as its ions rise up and cut across these field lines.

tubular capacitor and, if it were not for the neutralizing effect of the electron stream's magnetic field that

Figure 1 - Formation of ionic Vortex Loops Over Plant Stalk Tip



As the swirling and rising ion laden air encounters the stalk tip's magnetic field, the ions in this air are forced by the magnetic field to orbit around the magnetic field lines in opposite directions as shown in figure 1(a). Because the negatively charged electrons are much lighter than the positively charged air molecules and atoms, the electrons take up tighter orbits about the magnetic field lines than the positive air molecules. This action then gives rise to what we may call an "ionic vortex" which places revolving electrons near the center of the vortex and surrounds them with a layer of counter revolving positive air molecules and atoms. When this structure is formed, two things simultaneously happen: first, the separation of charge between the outside and center of the ionic vortex causes an electric field to come into existence, and, second, the orbiting motion of the ions causes a new magnetic field to be generated inside of the ionic vortex, B_v , that opposes and cancels the electron stream's magnetic field, B_{es} , that formed the ionic vortex in the first place.

THE IONIC VORTEX that has been described not only exists at one point on the electron stream's magnetic field lines, but at all points on the field lines so as to completely surround the tip of the plant stalk. Thus, we have a kind of torus or ionic vortex loop that holds an electric field much like a toroidal

formed it, would contain a core magnetic field that was moving rapidly along its field lines as the ions generating this magnetic field rapidly moved around the plane of the ionic vortex loop (note: some plasma physicists may say this structure should be termed a "toroidal vortex," but, although this term is adequate to describe such things as smoke rings, it does not suggest the net motion of the component particles around the plane of the torus. I will therefore use the term "ionic vortex loop" to suggest this net planar rotational motion).

As air rises about the tip of the stalk, more and more ions will enter the already formed ionic vortex loop and at some point its core magnetic field, B_v , will be stronger than the electron stream's magnetic field, B_{es} . At this instant, ions entering the ionic vortex loop must change their direction of entry and will come into collision with ions already in the loop. These collisions literally push the ionic vortex loop upward so that it leaves the electron stream's magnetic field. The ionic vortex loop's own magnetic field, B_v , now intensified and is rapidly moving along its field lines due to the rapid rotation of the entire loop. This loop rotation is again due to the net motion of the positive air ions and negative electrons around the plane of the torus. The ions that could not enter this first ionic vortex loop begin to form a second ionic vortex

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loop about the now cleared electron stream's magnetic field as shown in figure 1(b). This second loop will then fill up with ions as the first did and be pushed upward by incoming air so that yet a third loop may form.

As the above process continues, a large stack of ionic vortex loops will be produced within a few minutes as shown in figure 1(c). The stack may reach a height of several tens of feet, is perhaps a half foot in diameter, and is primarily held together by weak electrostatic attractions between oppositely charged particles in the ionic vortex loops that compose it.

Readers of this writer's past articles (see in particular "The Anti-Mass Field Effect" in the April/May 1982 issue of *The SBI Report*, Vol. 4, No. 2, pg. 5) will realize that each of the ionic vortex loops in the stack is actually a miniature anti-mass field generator because it contains a magnetic field moving *along* its field lines at right angles to an electric field. In reference to the previously cited article, it seems that these ionic vortex loops have some of the properties of gaseous anti-mass field generators and some of the properties of rotating anti-mass field generators. We see that these loops must be natural anti-mass field generators and we may refer to them as "atmospheric" anti-mass field generators.

AS THE STACK OF ionic vortex loops grows, the individual mass negating anti-mass fields from each loop will overlap and the intensity of the stack's composite anti-mass field will increase. The particles in the stack will lose more and more mass and move faster and faster to conserve kinetic energy. This action will both intensify the core magnetic field of each loop end, due to the combined effects of the magnetic and anti-mass fields, increase the concentrations of ions in the stack. The rapid motion of the ions in the stack due to their reduced masses causes them to emit gyatron radiation as they spiral around the core magnetic field of each ionic vortex loop (note: the frequency of this radiation is inversely proportional

to the masses of the charged particles generating it). This electromagnetic radiation is in the radio frequency range and much of it is reabsorbed before it leaves the stack.

At this point the stack is still hovering over the tip of the plant stalk and will be invisible to an outside observer (although, if nearby, he or she may hear static on an AM radio due to the gyatron radiation the stack emits). The stack has formed under very precise conditions and is a fragile structure.

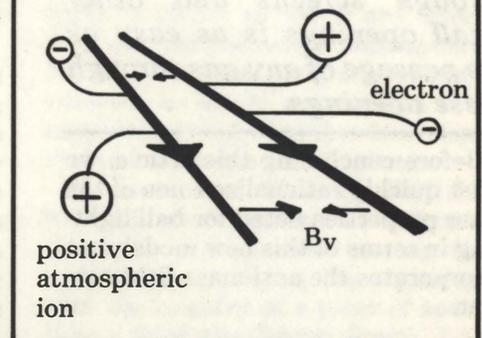
As the stack forms, one of two situations can occur. It may reach a maximum size of perhaps 25 to 30 feet in height at which point it collapses due to internal electrostatic forces. Or, before it has reached its maximum height, a slight breeze may come along and blow it away from the tip of the plant's stalk where additional ionic vortex loops are being added to it. In both cases the stack will rearrange itself to form a more compact grouping of ionic vortex loops. Usually they will collapse down into spherical objects with a diameter which depends on what percentage of the maximum height their stacks were able to achieve. Occasionally, the collapse will produce an egg shaped form or a cylindrical form if the stack merely folds upon itself several times.

At the instant that the stack collapses to reduce the electrostatic tension inside of itself, another interesting phenomenon will occur. The sudden close proximity of all of the ionic vortex loops in the spherical object will cause a sudden and dramatic increase in the intensity of the object's composite anti-mass field. The charged particles inside each loop will lose even more mass and the electrons will then generate gyatron radiation in the *visible* region of the electromagnetic spectrum! The spherical object that is being blown about by the wind now begins to glow brightly... it is now an object known as "ball lightning."

IF THE BALL LIGHTNING is small, its anti-mass field will only be able to lower the mass of its electrons until red to reddish-orange gyatron radiation is emitted. Most of this radiation can be absorbed by the ions in the tightly confined ionic vortex loops that make up the spherical object and its center will become hot. But as the object continues to emit radiant energy, its

particles will gradually cool and slow down their rate of motion with respect to each ionic vortex loop's core. Electrons will reunite with positive air molecules and this will cause the electric and magnetic fields in each ionic vortex loop to weaken. This will also cause the natural anti-mass fields they generate to weaken. After several minutes the electrons in these small ball lightnings will have too much mass to generate any visible gyatron radiation. Their glows slowly fade out and they harmlessly dissipate.

Figure 2 - Collapse of B_v Ejects Ions



If, however, the ball lightning is large after its formative stack collapse, then its composite anti-mass field will be intense and its ions will have very little mass. The electrons will generate intense gyatron radiation in the higher frequencies and the object will appear blue-white or blue in color. These higher gyatron frequencies carry off the thermal energy of the larger, bluish ball lightning's ions at about twice the rate that occurs in the lower frequencies of the smaller reddish ball lightnings. Also the higher frequencies of energy emission do not allow the ions of the larger ball lightnings to reabsorb a large part of their gyatron radiations and, consequently, their centers will only be warm.

Thus, these larger spheres must have a shorter existence than their smaller relatives and experience a more rapid collapse of the electric, magnetic, and anti-mass fields in the tightly packed ionic vortex loops that compose them. As illustrated in figure 2, the sudden collapse of the ionic vortex loop's magnetic field causes any remaining ions in the loop to feel forces acting on them that violently throw them away

Ball Lightning?

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from the loop's core. Each ionic vortex loop suddenly expands and the entire larger ball lightning undergoes an instantaneous increase in volume before dissipating. This action sends out a powerful spherical shock wave that can injure people and do much property damage. In a sense, these large ball lightnings are releasing the energy the earth's stormy atmosphere expended in creating their ions long after the original storm has passed!

"Passage of ball lightning through screens and other small openings is as easy as the passage of any gas through these openings."

Before concluding this article, we must quickly rationalize some of the other properties noted for ball lightning in terms of this new model that incorporates the anti-mass field concept.

IT WAS MENTIONED that some witnesses of this rare phenomenon have reported that the ball's surface seems to be covered with closely crowded worms or tubes of light. These tubes must be the sides of the tightly packed luminous ionic vortex loops that form the compact sphere of a ball lightning. Like the granulation on the surface of our sun, the rapid motion of these tubes indicates that the ionic vortex loops are in a state of rapid rotation in their planes as they slip past each other and this is due to the fact that their motion (which is necessary to generate their anti-mass fields) is produced by convectional forces. We can expect the interior of each ball lightning to be warmer than the surface because the intensity of reabsorbed gyatron radiation is higher at the sphere's center. The temperature differential between the object's center and surface keeps the ionic vortex loops in continuous motion by convection until dissipation takes place.

It is the turbulence of these moving loops that gives rise to the hissing and crackling noises that small and large ball lightnings often produce. Any ions ejected from the ionic vortex loops will collect around the object's surface and due to the

rapid motion they have because of low mass in the object's composite anti-mass field, quickly form high concentrations of ozone, O₃, around the sphere. This ozone accounts for the sharp irritating odors that often accompany the larger bluish ball lightnings.

Because ball lightning has so little mass, it is easily blown about by prevailing winds and can gain altitude like a helium balloon. It is not eliminated by grounded conductors because it carries no net electric charge and all of its electric and magnetic fields are completely contained inside of its ionic vortex loops. It can, however, through induction charging be temporarily attracted to negatively charged fences and roof lines and rapidly move along these.

Passage of ball lightning through screens and other small openings is as easy as the passage of any gas through these openings. The ionic vortex loops will maintain their electric, magnetic, and anti-mass fields even if they undergo enormous distortion as they pass through a small opening. Even moving through a thin, solid electrical insulator like glass is no problem. As ionic vortex loops collapse on one side of the glass, their collapsing electric, magnetic, and anti-mass fields induce corresponding electric, magnetic, and anti-mass fields to form on the other side of the glass and affect air molecules and atoms there. The ball lightning does not physically pass through the glass, but sends the energy of its various fields through the glass to duplicate its physical structure on the second side using ions induced there as it dissipates itself on the first side and its ions deionize there!

Finally, in figure 3, cross sectional interior views of the two main types of ball lightnings are shown. It is hoped that the previous article will clear up some of the mystery surrounding this rarely observed phenomenon.

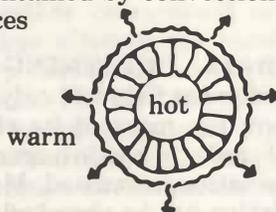
IT IS IMPORTANT that the reader realize that the increase in emitted gyatron radiation frequency with increasing ball lightning diameter prevents these objects from getting larger than a few feet in diameter if they are to exist for any length of time at all. Because of this, the "ball lightning hypothesis" can certainly be used to explain some short duration, small UFO sightings, but can not be applied to explain the larger glowing UFOs that are reliably reported to have been nocturnally observed. Also, if the previously described formative process is accurate, then ball lightning can not be formed by high voltage power lines. These lines carry alternating currents that produce alternating magnetic fields. As was seen, the formation of a stack of stable ionic vortex loops requires a steady, unchanging magnetic field produced by a direct current such as that of the electrons streaming from the pointed tip of a plant stalk following a local rain and lightning storm.

As a postscript to this article I might mention my comments on what has become known as the "Persinger Earthstress Model." Briefly this model states that small, spherical, glowing nocturnal light type UFOs seen near geological fault lines might be due to piezoelectric fields produced by quartz bearing rock strata under stress. I have no objections to this model, but as I

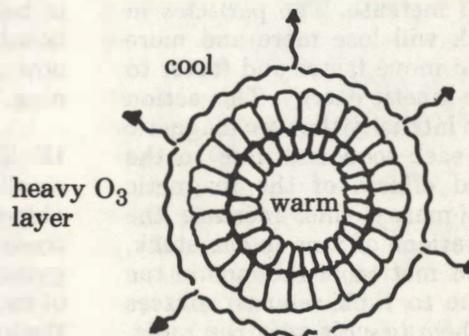
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Figure 3 - Cross Sectional Interior Views of the Two Main Types of Ball Lightning

note: ionic vortex loop motion maintained by convectional forces



Small red type is maximum of 1 foot in diameter and lasts up to 4 minutes



Large blue type is maximum of 4 feet in diameter and lasts less than 1 minute

The Power Source for UFOs

by: Hans J. Petermann, Ph.D.

Some terms that are familiar to scientists and many laymen are: **FORCE FIELDS, FREQUENCY, INTENSITY, POLARITY, NEUTRONS, CATHODES** and **PHOTONS.**

A ship's propulsion is wired in such a manner as to permit **CHANGING FORCE FIELDS,** that equal both **FREQUENCY** and **INTENSITY,** the forces available to be used for movement. As an example, a given **PULSE** of energy is produced between the perfection of a **LIQUID LIGHT** and its **INDUCTOR,** exactly the same as any electronic oscillator.

LIQUID LIGHT is a material similar to mercury that is in fluid form at low temperatures, but conducive enough to carry current and voltage to given frequencies, with **POLARITY** and **FREQUENCY** being prime factors - and *not* the amount of charge.

This pulse is **NOT** amplified until it is **RECTIFIED** - the **POSITIVE** is ejected, with the other sectors of the ship being either **NEUTRALIZED** or **POSITIVELY** charged at this frequency, to be attracted to the **ELECTRON** that is ejected at light speeds.

IN OTHER WORDS, before this can happen **NEUTRONS** are separated (one at a time) from any fuel source (which is similar to our coated cathodes of vacuum tubes or video picture tubes - called **CRTs**), and as the neutrons decay into electrons or protons, they are shot forward of the ship while the others (protons) are dropped off at the rear - thus giving a push-and-pull movement. When the neutrons are continuously projected, or shot ahead of the ship by many hundreds of thousands of miles, or any given distance while in our atmosphere, and the protons ejected out the back, the ship is rapidly pulled toward the neutron and at the same split second it is being pushed by the proton.

In trying to catch an object such as a neutron moving at light speeds, from which there has **NOT** been a separation of the forces, the ship will approach the speed of the projected electron or neutron. As the speed of the ship increases and the neutrons

are in a continuous forward projection at the speed of light, the electron adds the speed of the ship to its own speed thereby giving the ship the ability to travel at the various Warp speed factors - or four to five times the speed of light.

By the energies emitted in this separation process, the liquid light is polarized, which forces the ship to catch up with the forward particles of neutrons. This factor then gives a ship the unlimited Warp speed capacity.

The actual speed of light is 186,410.9 miles per second. The speed of light divided into 1 = .0000053644905 and the square root of the speed of light = 431.7534. Thus, Warp speed factor 1 = 186,410.99 miles per second; Warp 2 = 186,410.99 squared. Warp 3 is the same, but squared twice, etc., up to Warp 5. So, in reality these speeds are accomplished by neutron-photon drive.



AS A SHIP approaches the speed of light, there is a greater time consumption in the ship than hours and days of earth. Speeds of Warp 2 through 5 are then reversible in time.

The process on which this **PULSE** of energy is conducted through the ship is by super-precision in order to avoid **INTERIOR RADIATION** - or electrocution. The diagram shows that the various layers of the ship's outer and inner skins are charged with **HIGH VOLTAGE D.C.** The liquid light is high-voltage, full-

strength drive frequency with both voltage and current in phase. In other words, in the drawing entitled "Connection of Negative and Positive Poles With Liquid Light," the liquid light fluid is connected to the first outer skin of the ship and to the second inner skin (see diagram). The current is always slightly ahead of the voltage.

By **PHASE SHIFTING,** the **DRIVE ENERGY** can be forced to the outer skin or retained as energy for the next **PULSE.** These sectors are either *charged* or *neutralized* in sequence by the pilot through a simple timing device and, by varying the sector or charge with the given drive frequency, he can guide the ship in any direction. Thus, any negative angle can be changed instantly to positive for an immediate change of direction. Any ship can be maneuvered from a forward flight to a split-second turn at right or left angles - which makes a tracking pursuit impossible.

To accomplish its own "turning" and polarity, the ship is flooded with liquid light. By dividing the proton and the electron during an acceleration process and shooting the electron forward at warp speeds and the proton backward at **INERTIA,** and turning the ship to the given frequency at which the elements were projected and ejected, the ship is pulled toward one and repelled from the other as it is charged in **POSITIVE BIAS.**

The **PULSATING LIGHTS** that observers have noticed during their sightings are caused thusly: the **NORTH/SOUTH MAGNETIC** lines and the **EAST/WEST MAGNETIC** lines are about 90 degrees from one another as one would view the world globe. With these two frequencies being programmed into various **SKIN SECTORS,** when they are in line with another, the **VISIBLE LIGHT** is dim, rising to brighter levels as the **FORCE FIELD** of the ship moves to other **SECTORS** and is the brightest at 45 degrees, after which it again begins to dim as the force field aligns in the opposite direction. To the ground observer, this is an eerie sight, and it appears as though the ship is pulsating lights of power or perhaps a secret ray that will destroy on con-

A PIECE OF THE PUZZLE... THE PUBLIC'S ROLE IN RESEARCH.

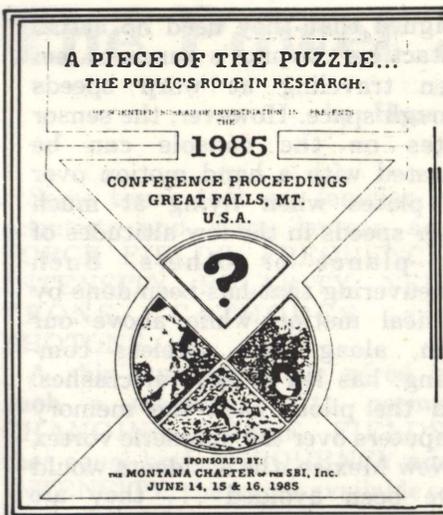
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1985

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JUNE 14, 15 & 16, 1985



A PIECE OF THE PUZZLE: The Public's Role In Investigation

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SCIENTIFIC BUREAU of **INVESTIGATION, Inc.**

DATES: FRI., SAT. & SUN., 14th, 15th & 16th JUNE, 1985

TIMES: FRI.: 6:00 p.m.-10:00 p.m.; SAT.: 10:00 a.m.-10:00 p.m.;
SUN.: 10:00 a.m.-6:00 p.m.

PLACE: HOLIDAY INN of GREAT FALLS
1411 10th AVE., SOUTH
GREAT FALLS, MONTANA 59405
A/C: 406-761-4600

SPEAKERS:

Peter Mazzola - International Director of the SBI, Inc., and author of over 300 UFO-related articles published worldwide.

James Leming - Montana State Director, SBI, Inc., and editor of the SBI Report; staff artist; contributing writer.

Maj. Colman Von Keviczky, MMSE (ret.) - Appointed by Secretary General U-Thant to develop the first UN/UFO monitoring project.

Linda Moulton Howe - Producer of the television documentary 'STRANGE HARVEST' dealing with the aspect of cattle mutilations.

Dr. Kirk Seekins - A local veterinarian who has been in attendance at several mutilation sites.

Capt. Keith Wolverton - Cascade County Sheriff's officer, heavily involved mutilation cases since the mid '60's after joining the Sheriff's office.

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Power Source

Cont'd. from page 9

tact. This pulsating light is harmless.

IN SPACE, THERE is no need to rotate either the ship or its force fields because only two or three of the sectors are charged at any one time at cruising speeds.

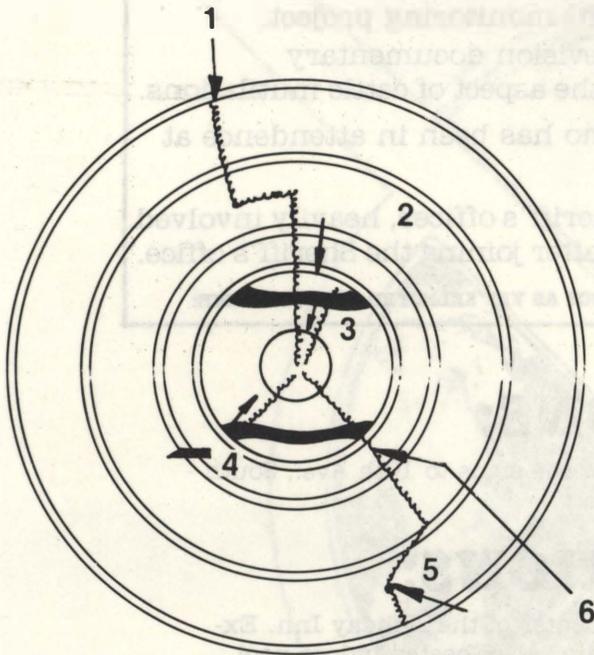
To maintain control on all these

complicated functions and to meet the need for instantaneous decisions, the ships are equipped with their own MIND READING computer systems that not only react to the thoughts of the flight crews, but, by measuring the thought and emotional patterns of the crews and making corrective correlations, prevent Over-Control. The ships are literally controlled by THOUGHT WAVES of the pilots, rather than actual physical action. The oncoming asteroids are quickly computed, analyzed and then avoided by the computer's slight change of course.

To simplify this a little, the actual control elements of a ship are so

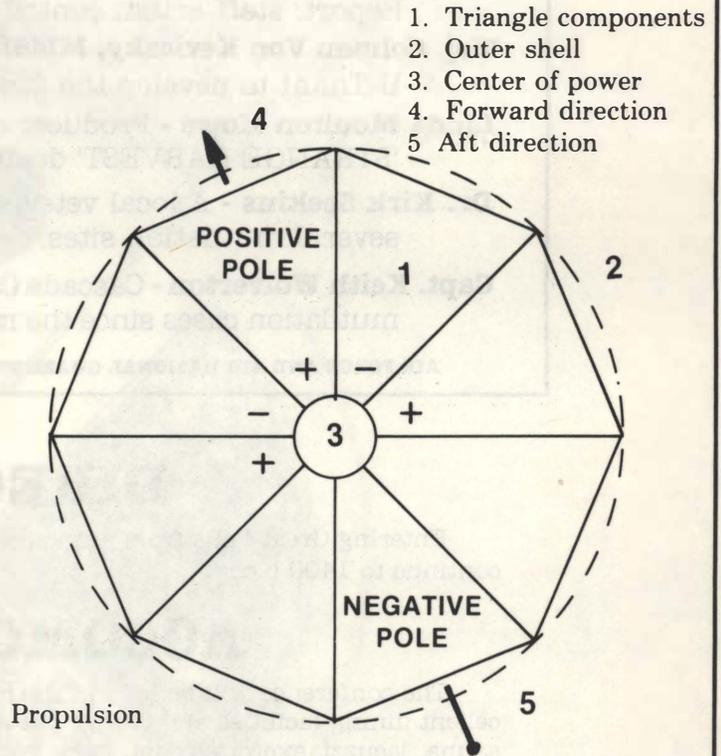
designed that they need no actual contact by the pilot's hands or feet when traveling at warp speeds through space. However, the sensor plates on the console can be operated with a hand motion over the plates when flying at much lesser speeds in the low altitudes of our planet or others. Such maneuvering that has been done by physical motion while above our earth, along with careless computing, has led to several crashes. Had the pilots used the memory computers over the magnetic vortex in New Mexico, the accidents would have been avoided ... they are chargeable to pilot error. ■

Plate 1. Connection of Negative and Positive Poles with Liquid Light. Top view of Saucer construction.



1. Electrical impulses to first outer skin
2. Current to liquid light
3. Central power tube and current supply
4. Connector ground between insulation and power fluid
5. Contact for inner skin in opposite poles
6. Electronic power lines to the skins from control

Plate 2. Under-carriage construction, indicating the direction by changing the polarity of poles of pluses and minuses.



Neutron used for pulling craft. Photon used for pushing craft. Any negative angle can be changed instantly to positive ... for an immediate change of direction (in less than one-millionth of a second).

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Sightings Over Kentucky

May 20, 1984

Investigated By Charles J. Wilhelm

SBI Chief Investigator of Ohio (at the time of this investigation Mr. Wilhelm was the State Director of Kentucky for the SBI)

ACTION REPORT: 001-1

Description of Sighting:

At around 9:55 to 10:00 p.m. on Sunday May 20, 1984, hundreds saw a large bright object light up Kentucky skies for 10 to 15 seconds. Police departments from Eastern and Central Kentucky were flooded with calls reporting the bright object. It moved across the sky slowly in a northeast direction giving off sparks and several witnesses described the object being made up of 15 to 20 objects. However, the majority of the witnesses described the object as one with tails of fire or fiery debris falling from the sky, which moved slowly across the sky giving off blue and red streaks. No sounds were heard and no unusual effects were felt or left by the object.

Witness Interviewed:

I interviewed 23 witnesses, including a police officer, and all basically described the object the same. There were some minor variations, but I feel this was due to location and visual perception of the witnesses.

Enclosed in this report is a sighting report from one of the witnesses. I felt it a waste of time and paper work to get written reports from all 23 witnesses I talked too.

Police Involvement:

Police departments in many counties of Kentucky received many calls concerning the bright object. I was able to locate an officer who actually saw the object himself. I talked to officer Harry Chambers of the Louisville police, he said the object "looked like a comet. A ball of fire with a tail. It was huge. It was a sight to see. I never saw anything like it before."

Local Airports:

I called the Federal Aviation Administration Flight Service Center at Bowman Field in Louisville and talked to a Mr. Melvin Sublett about the object. He told me that no one saw it, but apparently from all the calls he was getting it was seen over a very large area. No one reported it on radar at the airport.

National Weather Bureau Service:

Individual wouldn't give their name but did say that they received several calls, but they didn't see the object in question. Nor was it picked up on their radar.

Local Observatory:

I called the Moore Observatory in Crestwood and was able to talk to a Mr. John Kielkopf, astronomy professor at the University of Louisville. He felt that the bright object was most likely a bolide or an exploding meteor. He pointed out that bolides are a common occurrence, but they aren't always visible. An estimated tens or hundreds of thousands may enter the earth's atmosphere every day. Mr. Kielkopf emphasized that he didn't feel that the large bolide was part of a meteor shower. The object was huge and that's why it was seen over a widespread area, which lasted between 10 to 15 seconds depending where one was located. He was also concerned about the speed of the object. A meteor or bolide usually moves much faster than this object did. (IMPORTANT POINT)

Local Planetarium:

Talked to a Mr. Tom Boone of the Rauch Memorial Planetarium and he said that they received about 70 calls concerning the bright light. He felt that the object was moving too slow to be a meteor, but didn't rule out that the object wasn't a meteor. (SECOND TIME THE SPEED WAS QUESTIONED)

TV Weather Reporters:

I was able to talk to all three of the local TV weather reporters. Only one, Mr. Chuck Taylor of Ch. 11 actually saw the object. His description was much like all the other witnesses. However, he was concerned with the explanation that the object was a meteor. He too felt that the objects speed was slower than one of a meteor. (THIRD INDIVIDUAL QUESTIONING THE OBJECTS SPEED)

Government Facilities:

Staff writers for the Courier-Journal called NORAD Sunday night (5-20-84) to see if any space junk entered the earth's atmosphere. NORAD said that no space junk had entered the earth's atmosphere that they were aware of at that time. (call was placed around 10:30 p.m.)

However, on Monday (5-21-84) NORAD re-evaluated the information they had gathered during the night and correlated the sightings with the re-entry of a piece of space debris from the Soviet Soyuz T-10 manned space vehicle. The Soviet vehicle, launched on Feb. 9 (84), carried cosmonauts to the Soyuz 7 space station. While docked with Soyuz 7, this piece of space debris separated from the T-10 and stayed in orbit until Sunday night.

The debris re-entered the earth's atmosphere over Texas on a south to north direction traveling possibly over 7 states and is believed to have totally disintegrated over the Kentucky-Indiana-Ohio area. The debris fell from an altitude of about 130 miles at a velocity of 17,000 miles per hour, which caused it to burn up so colorfully.

News Media Coverage:

There was plenty of news coverage about the bright object. Radio and TV stations were flooded with calls. The Louisville Times had several articles concerning the object. (see clippings on separate page)

All of the reports on radio and TV by witnesses were again basically the same. *There wasn't one witness who ever described the object as a flying saucer or spaceship from another world.* However, some of the witnesses did think that the object was a burning airplane.

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Radio Astronomy: "Breaker Breaker, Please Come In"

by: Lindy Whitehurst,
SBI State Director of Texas

It has been "reasoned" there may be a billion worlds within our own galaxy superabundant with life... or there may be one. On some biospheres organisms may have already endured long enough to have fostered intelligences capable of contacting we terrestrials which is to assert the natural purpose of earth-like planets is to evolve intelligent life in a universe where physical laws applying here on earth apply also in the remotest reaches of the cosmos. Electromagnetic radiation has been determined to be the most efficient communication medium in the form of radio waves because of their light velocity and the ability to be focused and targeted on a small area of the sky.

Fortunately wavelengths can be narrowed to avoid absorption by the planets' atmospheres and the non-cohesive instellar hydrogen en route. Only wavelengths less than 10 or 15 meters can pass through a planet's electrically-charged ionosphere while those longer than 3 centimeters are required to avoid being absorbed by atmospheric water molecules. Thermal radiation emitted in aerospheres similarly interfere with radio transmissions. It has therefore been calculated the lowest level of impedance occurs in the wavelength interval of 3 cm to 30 cm.

ALTHOUGH STARS radiate potentially noisy radio energy, they do so "wastefully" in all directions while radio antennas radiate in narrow cones concentrating their signals so it is not necessary to transmit at a power output greater than a main sequence star and is suf-

ficient to be received at stellar distances. Few watts of power are needed as radio telescopes broadcast monochromatically over a narrow frequency range or bandwidth, concentrating their energy into a tight beam, and with improved antenna sensitivity communications over abysmal distances are feasible.

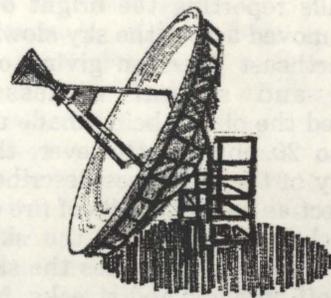
Throughout the bandwidth of 3 cm to 30 cm, there are about nine billion potential transmission frequencies; anyone of which may contain the characteristic life signal. Auspiciously within this range lie some explicit frequencies represented by the natural radio frequency of neutral hydrogen, the most abundant element in the universe and possibly the mythical celestial frequency of nature and a rational beginning for any civilization. Naturally to further offset stellar background noise, the frequency may be a multiple of hydrogen's or other compounds such as the hydroxyl molecule at the 18 cm wavelength. We would of course also expect these signals to vary regularly with time, that is to be modulated to stand out from the crowd.

If we uncover an intelligent signal and pinpoint the star-world or origin, we could determine the radial distance of the planet to its sun, the average planetary surface temperature, and even the diameter of the planet without even comprehending the message!!! One inherent perplexity lies in the velocity of the planet's rotation about its sun and its solar system's collective speed and direction through interstellar space itself. Radio transmissions are then either compressed or spread out thus altering the received frequency drastically unless it is compensated for by the transmitting world to coincide with the target civilization (earth). If not counter-balanced, an antenna directed toward the transmitting planet from earth could miss the signal entirely due to the Doppler frequency shifts.

An "accidental" by-product of our AM radio and television broadcasts is they are transmitted by our

ionosphere into space at light speed and have been doing so for 50 years; time enough to have swept out 50 light years to swarms of neighboring star-worlds suspected of harboring planets.

ASTRONOMER CARL SAGAN and colleagues shaped the Planetary Society to arrange sufficient appropriations for exclusive use of the Harvest College 26-meter radio telescope to tune in on 128,000 separate channels in the pursuit of animate signals. Past searches produced nothing, but were poorly inadequate for the job as present day tech is, and with the projected NASA approach utilizing the Deep-Space Tracking Network and searching a possible 8 million frequency bands, the future is hopeful. There are indications the Soviets and Japanese will join the search in the near future.



Conceding it may take a hundred years to adequately scan the heavens even with the best of tech, the exhilaration of the "first contact" from out there is best left to the poets. Several years ago Senator Proxmire, reknown for his "golden fleece" awards given to those groups or individuals who, in his opinion, "fleece" the taxpayers yearly through "absurd" wastes of money, gave his award to NASA for considering spending money to search for little green men. Those who do the searching are proud of what they do, not ashamed, and I would suspect any such project which generated so much love and quiet awe by its participants should be worthy of a few bucks against the ravings of a nineteenth-century senator. ■

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Systems Technology: Preliminary Gravity Notes

by: Richard L. Clark, Ph.D.

The subject of gravity and gravity engineering is the *most* important and interesting field in current science. There are numerous books and articles on the subject, all of which explain nothing useful or testable. Gravity consists simply of two types of stress wave radiation transmitted and received from mass objects. One is the long range stress wave or gravity radiation called the graviton. The second is the short range stress wave or gravity radiation called the gravitino. This paper will deal with the short range gravitino because it can be best understood and engineered into devices. A future paper will address the graviton.

The Strong Nuclear Force in the nuclei of atoms is carried by gravitinos and is *not* some newly discovered force of nature. The stressed protons and neutrons generate a "cloud" of gravitino radiation to bind the nucleons together, overcoming the natural repulsion of the positively charged protons. A careful calculation of the hydrostatic stress pressures present in atomic nuclei prove that these pressures generate gravitinos. The structure of the Atomic Element Periodic Table and the natural radioactive elements can now be understood and design implemented into devices. Even transmutation of strategic metals is feasible by gravity sinks. The Germans realized these facts and used them secretly before and during WWII. Gravity can be defined as the Maxwell Displacement Current Equations in a generalized Displacement Energy (hydrostatic pressure emissions) Formula. Faraday and Gauss had developed the background and Maxwell codified it as part of his famous treatise. Simply put, stress *any* atomic substance properly and a predictable amount of the gravitinos will displace into or out of the substance, making it gravity light (anti-local gravity). This is exactly what Schauburger observed in natural streams and then designed into his "Implosion Turbines." Water works as well as electrical circuits, for *all atomic substances obey the same exact laws. Tesla was experimenting in these areas when oblivion eclipsed his career.*

SOME NATURAL CRYSTALS radiate excessive gravitinos and were studied by Reichenbach as the "Odic Force." Reich learned about Egyptian gravity devices (healing boxes, pyramids, and rainmaker tubes, which he called Cloudbusters). Thus, gravity technology is hardly new or unusual to man. It has been found and lost again several times, but never forgotten.

"Gravity consists simply of two types of stress wave radiation transmitted and received from mass objects."

If the electrical field is the X axis and the magnetic field the Y axis, then the gravity field (mainly gravitinos) is the Z axis of a three dimensional force field system. The equations of Maxwell can be fully realized and utilized in force field system devices. The Energy Cartel has suppressed this data because a \$500 billion a year industry does *not* willingly commit suicide. Gravitational energy knowledge and systems would be their demise. Who needs hydrocarbon or nuclear power if cheap, plentiful, natural power exists? Would we need fuel expensive air transport if we could build natural energy anti-gravity craft (flying saucers)? Searl levitation flywheels and Brown flying capacitors are stress systems of this same type which are basically Faraday devices. Read the book of Schauburger, *Living Water*, and estimate the transport-energy industries' loss due to this knowledge.

Telecommunication can use gravity technology but what of Bell Telephone or CBS? The *entire* resource-controlled world we know is based on our ignorance of this basic gravity force field and its utility. New ultra-computers can be designed from this technology. The human aura (mind) is a gravity field, thus psychotronics is understandable.

This same technology leads to radioactive waste disposal and nuclear defense at minimum cost. What does that mean for this years \$200 billion American defense

budget? How useful is MX, B1, or the Space Shuttle when this gravity technology is available?

THE U.S. GOVERNMENT, energy companies, and bankers already know all of this data. They captured most of it at the end of WWII in Germany and secretly developed it themselves. Only the public, we taxpayers and energy consumers, have not been let in on the biggest hoax in the world.

Should you doubt that stressed water is anti-gravitational, explain the suspension of multi-tons of water in heavy rain clouds—like the kinds that produce monsoons. Interesting, *blind* world we live in, isn't it? The Fort and Corliss anomaly data is easily explainable due to local transient gravity stresses in the earth. The Philadelphia Experiment, or Stealth, is not hard to explain either in view of this technology.

Academic scientists are either ignorant, stupid, or cunning about these facts. Alternate, or New Age Science is infiltrated with disinformation agents who are on government or industrial payrolls and who are deliberately diverting inquiry away from the knowledge of gravity.

Cont'd. page 16

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The Yakima Earthlight Phenomenon

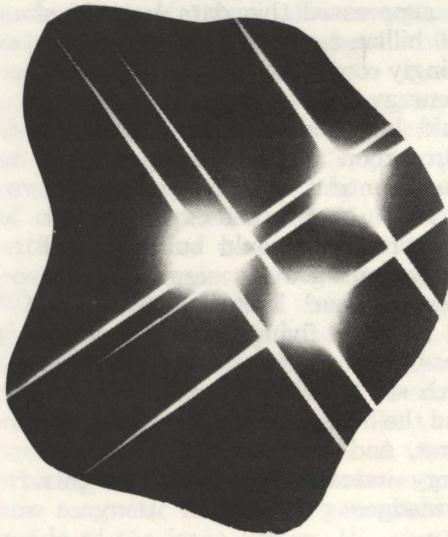
by: Michael D. Swords, Ph.D.

As many SBI readers may realize, there has been a "continuous nocturnal light phenomenon associating with the geographical area around the Yakima Indian Reservation, east of Mt. Rainier in Washington, for many years. The glowing spheres, ranging from baseball to beachball sized, usually last a few seconds before blinking out, but rarely appear in groups which may put on a nocturnal light show for several minutes. The lights seem bright blue-white as they originate, and then fade through yellow to dull red before disappearing. Their description reminds one of the similar East Coast "UFOs": the Brown Mountain Lights of North Carolina.

Several points of interest for UFO researchers arise here. First, these lights are unusual, yet well-documented. Forestry lookouts at the reservation reported more than 80 cases between 1972 and 1977, and photographs of the phenomena have been taken. Second, is the possibility that certain so-called "UFO landing fields" (places of consistent UFO activity, which always involve nocturnal lights) are, in fact, identical in nature and in cause with whatever explains the Yakima lights. Third, that this phenomenon, though unpredictable, is consistent enough to admit to on-site research and experimentation, perhaps a real possibility for scientific contribution by amateur ufologists. Fourth, some interest is being shown in the Yakima case by "establishment" scientists, thus creating a bridge between Ufology and the scientific professionals. John Derr of the U.S. Geological Survey recently reported on Yakima to a national Geophysical meeting, and created much interest in a correlation that he finds between the lightballs and minor earthquakes in the area. Fifth, a second finding from geology has located a huge subterranean electric current moving in the Earth down the Strait of Georgia between Vancouver Island and British Columbia, and pouring past Seattle to Mt. Rainier, the Yakima Reservation, and Southward. It is as if a gigantic

Earth-energy path flowed through the area, reminiscent of the "ley-lines" ideas prominent in the British Isles.

READERS WHO HAVE been interested in the ufological, cryptozoological, and anomalistic literature will have already thought of several other connections between the ideas above and the mysteries we are trying to unravel. Kenneth Arnold started the whole UFO business (modernly speaking) at Mt. Rainier, after all. Two of the greatest concentrations of Bigfoot sightings are at Mt. Rainier and Mt. St. Helens (just west of Yakima reservation on the "flow" line). If the flow line continues south it reaches the Mt. Shasta region in California and the "Oregon Vortex" to the north, two spots wherein all manner of psychic and paranormal activities have been allegedly experienced.



"Most people genuinely interested in the UFO mystery feel that a lot of different things are going on."

What the "conclusion" of this is, is of course moot. We need some long-term studies of such areas, preferably including not only observers and photographers but people measuring electricity and

magnetic fluxes as well. Since the geophysical "establishment" may not be sufficiently committed to the solution of this mystery to spend their money and their cold nights working at it, UFO or Anomaly research groups may be the answer. That the phenomena has large potential relevance to Ufology in general is obvious to anyone who really wants to discover the nature of UFOs, however.

Most people genuinely interested in the UFO mystery feel that a lot of different things are going on. Perhaps extraterrestrials are involved, perhaps not. What is certain is that we need to solve the separate pieces one-by-one in order to put the picture together. Perhaps Yakima and Brown Mountain-type cases will lead us to the "piezoelectric" Earth-stresses theory of Michael Persinger, perhaps not. Perhaps it will lead to an understanding of altered states of consciousness, paranormal abilities, or even parallel universes "windows," as others have speculated. What connections exist between Bigfoot and UFOs? Real, Psychic, or Psychiatric? Or just coincidental? Who knows, until we make better studies. Perhaps members of SBI or other organizations can research some of the alleged "landing fields," make a bridge of good faith with local geologists, and make a difference both to science and "our" science. ■

Systems Technology:

Cont'd. from page 15

Buy some of the books listed below in descending order of importance and find out for yourself. I have no financial interest in any of these books.

1. *Transverse Paraphysics* (gravity research), J. Gallimore. Tesla Book Co., 1580 Magnolia Ave., Millbrae, CA 94030, \$36.50 pp.
2. *Living Water* (Schauberger research), O. Alexandersson. Cadake Industries, Box 9478, Winter Haven, FL 33880, \$13.00 pp.
3. *A Treatise on Electricity and Magnetism* Vols. I & II, J.C. Maxwell. Dover Publications, Inc., 180 Varick St., New York, NY 10014, \$14.25 pp. for both vols.
4. *Schauberger File*. Rainer Group, 2318 Second Ave. #12, Seattle, WA 98121, \$15.00 pp.

Cont'd. page 6

Ball Lightning?

Cont'd. from page 8

stated in a previous article (see "Earthquaking UFOs" in *The SBI Report*, Vol. 3, No. 4, pg. 41) I can see no mechanism by which piezoelectric fields could directly produce plasma in the atmosphere over the stressed rock strata. However, this does not mean that some mechanism does not exist that might utilize only electrons in the rocks to form the necessary ionic vortex loops that compose ball lightning. These subterrestrial ball lightnings would not move via translation, but rather by impulse (as occurs in electrical circuits) so that their patterns of electric, magnetic, and anti-mass fields would rise to the surface of the earth and then, upon dissipation, generate atmospheric ions in the air at the surface and form them into ball lightning instantly (this process would be similar to what occurs when "regular" ball lightning passes through a sheet of glass with the exception that the interface bet-

ween soil and air replaces the glass for the case of piezoelectrically generated ball lightnings).

Any ball lightning produced by the Persinger Earthstress Model would still be limited to only a few feet in diameter if it were to exist for a minute or so. Anything larger would most likely detonate upon formation at ground level. Indeed, such surface detonations of oversized earthstress ball lightnings can be used to rationalize a particular fortran phenomenon known as the "mystery crater." These are strange pits in the ground which range from a few feet deep and across to tens of feet deep and across and appear to have been blasted out from below ground level (there is an excellent chapter on these in *Strangest of All* by Frank Edwards). In a few cases, witnesses have reported observing an expanding, glowing hemisphere of light just before they felt the powerful concussion of the crater forming blast.

There have also been suggestions that the various microwave gyatron emissions from geologically produced ball lightnings could induce hallucinations or perceptual

distortions in the minds of any witnesses who viewed these unusual self-contained plasmas. I would have severe reservations about this hypothesis because such psychological side effects have not been reported in the small literature of ball lightning.

IN THE FINAL analysis, UFO investigators should tend to abandon a ball lightning hypothesis for a particular nocturnal light type UFO case if the object size exceeds about four to five feet in diameter or the duration of the sighting is in excess of about four minutes.

Kenneth Behrendt, who has published numerous articles in The SBI Report, is now the publisher/editor of a 12-page UFO publication called AURA (Annals of Ufological Research Advances. Volume 1, No. 1, & all other future issues of AURA are not available by subscription rather ordered only through Arc-turus Book Service, 263 North Ballston Avenue, Scotia, New York 12302, USA, at a cost of \$5.00 per issue postpaid (\$6.00 per issue for foreign orders). ■

Ask The Director

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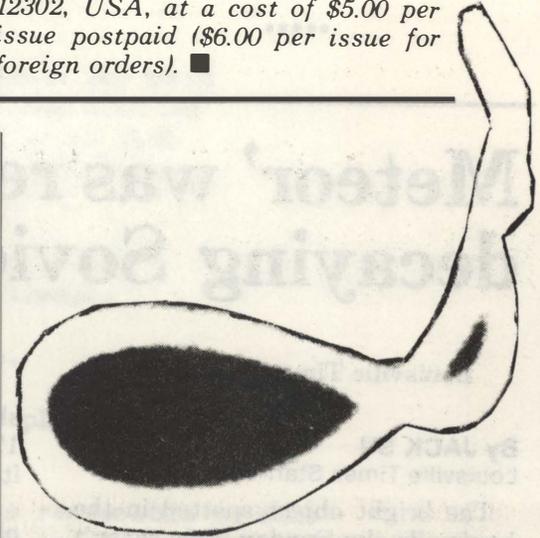
southeast. This in itself would eliminate the jets as candidates for the UFO, but the Air Force double-checked anyway. The two circular lights didn't look like F-94's, but anyone who has done any flying knows that an airplane so far away that it can't be seen can suddenly catch the sun's rays and make a brilliant flash. After studying the flight paths of the two F-94's the Air Force knew the landing pattern that was being used on the day of the sighting, and also knew when the two F-94's actually landed. The two jets weren't anywhere close to where the two UFO's had been. Next, each individual light was studied and both appeared to be too steady to be reflections. Thus, after subjecting the Montana movie to thousands of hours of analysis in the Air Force lab at Wright-Patterson AFB, in Dayton, Ohio, the Air Force proved conclusively that the objects were not birds, balloons, airplanes, meteors or reflections — in short, they were *true unknowns*. ■

Have a question? Try to put it in 30 words or less and address it to:

ASK THE DIRECTOR
c/o P.O. Box 193
Eltingville Station
Staten Island, N.Y. 10312

WELCOME NEW SBI MEMBERS: (*Active*): Judie Woolcott/State Director, WI.; Bonnie Meyer/Investigator, WI.; Russell Brodtke/Investigator, WI.; (*Subscribers*): Audrey Patrick/PA.; Tom Benson/N.J.; (*Affiliate Groups*): Fox Valley UFO Discussion and Support Group/WI.

AWARDS: First SBI member to enroll another new member during a given month are: *March*: Charles Bircheat/Ark.; *Correction*: In our issue 46 it states that Dorothy Soultanokis is our award winner for the month of November. This is incorrect and we apologize to Dorothy Sultana/NYC, who is the true winner of the award. Will you be the one to receive one of these Gift Certificates (valued at \$15.00 and redeemable toward annual dues) for the month of April or May? See page 19: *Ten Reasons For Joining SBI: Sections 2 & 3 for further details.*



"Well, Zoron . . . Is THIS a close enough look for you?"

KY. Sightings

Cont'd. from page 13

Contact From Other UFO Organizations:

I received no calls from any UFO organization concerning the object until Thursday (5-24-84). A Mr. Bob Easley of the United Aerial Phenomena Agency (UAPA) of Cleveland, called to compare notes. The only difference of information was that a few thought the object was a flying saucer. This may have been attributed to an article in the local paper where an established ufologist of long-standing claimed that the object might have been a flying saucer.

On the night in question, I know for a fact that several calls were made to the UFO Reporting Center in Seattle, Washington. To date I've received no contact from this Center.

Investigators Conclusion:

Checking with all possible resources for information, I feel that an explanation has been reached concerning the bright object seen on May 20, 1984 over Kentucky. From the information gained through NORAD, I feel the bright object was nothing more than space debris and nothing more.

There was no evidence found to establish even the remote idea that the bright object was a flying saucer or a spaceship from another planet. If additional information would surface, I will naturally do a follow-up on the case.

This investigative action report was compiled by Charles J. Wilhelm, State Director for the SBI in Kentucky, in co-operation with many agencies and outside individuals. I feel that this investigative action report is unbiased in its make-up and honestly explains what took place on May 20, 1984 between 9:55 p.m. and 10:00 p.m. over Louisville, Kentucky.

Charles J. Wilhelm
May 26, 1984

Bright light in night sky attributed to meteor

The Louisville Times
5-21-84

Associated Press

One frightened caller told Kentucky State Police that the bright light in the sky over Meade County was a jet plane on fire, and one nervous Bardstown man claimed the Russians were invading or something from outer space was landing on Earth.

Apparently, the latter was closer to the truth. What officials believe was a meteor streaked across the sky about 10 p.m. yesterday, lighting up switchboards at police departments, radio stations, airports and the National Weather Service in Louisville.

HUNDREDS OF PEOPLE in Central and Eastern Kentucky reported seeing a bright object in the sky and called authorities believing it was a fiery jet crash or an invasion of some sort.

Some people reported that the object looked like a "ball of fire with streaks of blue and red," said state police dispatcher Jack Lewis at the Elizabethtown post.

Lewis said residents of Meade, Larue, Spencer and Nelson counties called the post with reports of the sighting.

A WHAS radio reporter said some who called the station thought the light was fireworks for the Crusade for Children. He assured them it was not.

A CORBIN RADIO STATION received calls from residents of London, Corbin and other southeastern Kentucky cities who reported the sighting.

A forecaster at the National Weather Service, which also received calls, said the object may have been a meteor, from what people described over the telephone. No one at the agency's office in Louisville saw it.

Melvin Sublett, area supervisor with the Federal Aviation Administration Flight Service Center at Bowman Field said the sighting was apparently widespread. ■

Meteor' was really part of decaying Soviet shuttle

Louisville Times 5-23-84

By JACK SU

Louisville Times Staff Writer

The bright object spotted in the Louisville sky Sunday night wasn't a meteor after all, the Defense Department said yesterday.

It was part of the Soviet spaceship Soyuz T-10, said K. Cormier, a spokeswoman for the North American Aerospace Defense Command, which monitors such sightings.

The spaceship was launched from the Soviet Union on Feb. 9. Its orbit began decaying — succumbing to Earth's gravity — on April 11. No one was aboard, Cormier said.

IT WAS USED TO transport cosmonauts to Soyuz 7, a space station, she said.

"A part of the ship must have taken longer to decay and finally fell to the Earth," she said.

The piece of "space junk" fell from an altitude of about 130 miles,

she said. "It fell at a velocity of 17,000 miles per hour, which caused it to burn up so colorfully."

NORAD completed its evaluation of the object late Monday.

THE DEBRIS ENTERED the atmosphere over Texas. Then it passed over Arkansas, Tennessee, Kentucky and Indiana. There have been no reports from other states about the sighting, Cormier said.

The last time space debris was sighted over the United States was April 27. The object was seen over Montana, northern Utah and western Canada, Cormier said.

Louisville-area scientists originally thought the bright light was a meteor, based on reports of many people who saw it.

"It's beautiful that man can do what nature can do," said Tom Boone, director of the University of Louisville's Rauch Memorial Planetarium. ■

10-REASONS FOR JOINING SBI:

1 We will pay \$25.00 for an article (1500-2500 words) which is accepted/published in the SBI REPORT. However, contributor *must* be a paid member of the SBI and article *must* be of a recent UFO investigation/analyzation in order to qualify. *Offer not opened to SBI Staff, Directors or Foreign Representatives.*

2 Each month, the FIRST paid member of the SBI to submit an enrollment of a new member, along with applicant's remittance for annual dues, to our office shall receive a Gift Certificate valued at \$15.00 (1 yr. dues) that is redeemable at renewal time.

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Ask The Director

by: Pete Mazzola, International Director

Q. What else can you tell me about your up-coming Montana UFO Symposium? ... Judie Woolcott, Wisconsin State Director.

A. Hopefully, pages 10 and 11 of this issue will answer everyone's questions about this event. However, if any one has a question remaining, it is suggested they either call or write the SBI as soon as possible. SBI *highly recommends* those wishing to attend make their travel plans and hotel reservations now for four reasons: one, to insure hotel accommodations; two, to reduce travel costs by taking advantage of "super-saver" fares; three, although there have been numerous conferences or symposia held by organizations since the 1950's, none have included an *active* representative from the military as a guest speaker until now! After long and tedious efforts, SBI will be *the first UFO group* to have a member from the military speak on behalf of the U.S.A.F., clearing up many misconceptions or misinformation the public may have as well as to inform us of the Air Force's interest, position and policies toward UFOs. And finally, four, SBI has gratefully accepted the assistance of a professional public relations firm in Great Falls to aid in the publication of our Symposium Proceedings books through paid advertisers, whereas it has been estimated that we have a viable drawing audience of over 250,000 people within a 150 mile

radius of Great Falls. These four factors, plus the fact that our regular followers to these events will be in attendance, give SBI a reasonable projection of overall attendance in upwards over 1000 people during this 3-day event. We truly hope that many of our members/readers attend since *we are positive you will regret missing this symposium* that features: a spokesman for the U.S.A.F. on UFOs, law enforcement agents, professionals from the fields of medicine and science, the producer/director of "Strange Harvest" (cattle mutilation documentary), a lengthy audience participation segment, a speakers panel to answer questions, and loads of slides, photos, documents, films and other exhibits.

Q. Is your Montana Symposium going to include Nick Mariana? And what can you tell me of his famous movie film? ... Charles Bircheat, Arkansas, subscriber.

A. The Montana movie was taken on August 15, 1950, by Nick Mariana, while manager of the Great Falls Selectrics baseball team. It showed two large bright lights flying across the blue sky in an echelon formation. There were no clouds in the movie to give an indication of the UFOs speed, but at one time they passed behind a water tower. The lights didn't show any detail; they appeared to be large circular objects. Mariana sent his

movie to the U.S.A.F. but in 1950 there was no interest in UFOs: so after a quick viewing, Project Grudge personnel had written the objects off as "*the reflections from two F-94 jet fighters that were in the area.*" In 1952, at the request of the Pentagon, Capt. Edward J. Ruppelt, chief of the U.S.A.F.'s Project Blue Book, reopened the case of the Montana movie. Working through an intelligence officer at the Great Falls AFB (now Malmstrom AFB), Capt. Ruppelt had Mariana reinterrogated and obtained a copy of his movie, which was sent to the Air Force photo analysis lab. The Air Force photo lab had something to work with because the two UFO's had passed behind a reference point, the water tower. Their calculations quickly confirmed that the objects *were not* birds, balloons, or meteors. Balloons drift with the wind and the wind was not blowing in the direction that the UFO's were traveling. No exact speeds could be determined, but the lab could determine that the lights were traveling too fast to be birds and too slow to be meteors. This left airplanes as the only answer. The intelligence officer at Great Falls had dug through the stacks of files and found that only two airplanes, two F-94's were near the city during the sighting and that they had landed about two minutes afterwards. Both Mariana and his secretary, who had also seen the UFO's, had said that the two jets had appeared in another part of the sky only a minute or two after the two UFO's had disappeared in the

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