

A THEORY ON THE INNER WORKINGS OF FLYING SAUCERS

The following is my theory of flying saucers and their inner workings. I would like to say that I am a listener of your short wave program, "Hour of the Time", and that I have watched your tapes "COOPER IN ATLANTA" and have scrutinized all of the material on the subject of flying saucers that you have covered. After many hours of difficult research and discussion, I believe that I have come up with the theory that best describes these government-owned machines.

There is only one point of assumption that I do not agree with you on, and that is that the saucers, when they vanish from sight, are traveling through time. I believe that time travel is impossible without Divine intervention.

It has been theorized that to travel through time, the craft or object would have to travel faster than light, the universal speed limit, which has been shown impossible for even the smallest of sub-atomic, or even elementary particles. According to Einstein's theory of relativity, energy equals mass times the speed of light squared, or, in other words, with a certain ratio, mass equals energy and needs only to be converted. In nuclear power (fusion and fission) a small amount of mass is converted to energy. As a particle is accelerated nearer and nearer to the speed of light, it will eventually burn up as its mass simply turns into energy. The speed of light is 882,474 times the speed of sound, or Mach 882,474. The "Orient Express" is targeted to travel at approximately Mach 30, a mere 1/29,424th the speed of light. The difficulty in obtaining a skin that would hold up under the intense amounts of heat present under such sustained speeds is incredible. It is very unlikely, therefore, that a craft of any visible size could travel at the speed of light. Another example still, is that the centrifugal drive that you described on your radio program uses small, sub-atomic particles for propulsion. If the particles cannot be spun at the speed of light (which extensive tests have shown), how then, can this craft be propelled faster than its propulsion system will allow? The last, and most definite line drawn in opposition of the time travel theory is found in Matthew 25:13 which says "Watch therefore, for ye know neither the day nor the hour wherein the son of man cometh." This could very easily be determined if there were even a simple, unmanned information-gathering time machine, which therefore would, through its very existence, discredit the Bible. I would like to propose a hypothesis that is, with the available information, the most accurate I can formulate. First, I will set forth the three major components upon which my theory is based.

1. SUPERCONDUCTIVITY

The following is taken from Funk and Wagnalls New Encyclopedia under "Superconductivity".

"Superconductivity is the phenomenon displayed by certain conductors that demonstrate no resistance to the flow of electricity. Superconductors also exhibit strong diamagnetism; that is, they are repelled by magnetic fields. Superconductivity is manifested only below a certain critical temperature and certain magnetic fields which vary with the material used. Before 1986, the highest critical temperature was 23.2 K (-249.8 C/-417.6 F) in niobium-germanium compounds. Temperatures this low were obtained by use of liquid helium, an expensive, inefficient coolant. Ultra-low temperature operation places severe constraint on the overall efficiency of a superconducting machine. Thus, large scale operation of such machines was not considered practical. But in 1986, discoveries at several universities and research centers began to radically alter the situation. Ceramic metal-oxide compounds containing rare-earth elements were found to be superconductive at temperatures high enough to be cooled by liquid nitrogen. Because liquid nitrogen, at 77 K (-196 C/-321 F), cools 20 times more effectively than liquid helium and is 10 times less expensive, a host of potential applications suddenly began to hold the promise of economic feasibility. It has been revealed that rare-earth elements are not an essential constituent, for in 1988 a thallium-barium-calcium copper oxide was discovered with a critical temperature of 125 K (-148 C/-234 F)."

"Because of their lack of resistance, superconductors have been used to make electromagnets that generate large magnetic fields WITH NO ENERGY LOSS. Superconducting magnets have been used in studies of materials and in the construction of powerful particle accelerators."

All of the above information was presented without modification from the original text.

2. FIBER OPTICS

This section, as the one before, is taken from Funk and Wagnall's New Encyclopedia without alteration.

"Fiber optics is a branch of optics dealing with the transmission of light through fibers or thin rods of glass or some other transparent material of high refractive index. If light is admitted at one end of a fiber, it can travel through the fiber without loss, even when the fiber is curved."

3. MAGNETIC BOTTLE

The magnetic bottle is what scientists have been trying to make work for the containment of the intense amounts of heat produced by nuclear fusion reactions for the purpose of power plants (the Tokamak for instance). As feasible as the idea is, and as close as the civilian experiments are to being operational, I believe that the government has had these for some time.

STRUCTURE

Superconductivity, fiber optics, and the magnetic bottle are the major components of this theory, and with them, all the aspects of saucer sightings can be explained within the bounds of the laws of physics.

The propulsion units of the saucers are in all probability particle accelerators in the form of centrifugal drives (as were described in your radio broadcasts) that require massive amounts of electricity in the form of electromagnets with which to propel the particles. A superconducting electromagnet will operate indefinitely without power loss after the initial charging; thus the only onboard power needed is to run software, etc.

There is the problem of the high energy electrons of the centrifuge immediately heating the superconducting electromagnets to a higher than critical temperature, thereby making them inoperable, probably before it ever leaves the ground. What about containing the heat in a magnetic bottle? Magnetic bottles could employ high power superconducting electromagnets to keep the heat from both themselves and the superconducting electromagnets of the drive units. Magnetic bottles could quite easily then keep the outside air (or other medium) from touching the skin, which would eliminate the outside heating transferred by the molecules bumping the sides of the craft and by the friction of air during high speed flight. This, through the repelling of molecules, would create a layer of vacuum on all outer surfaces of the craft. Sound waves must have a medium through which to vibrate and cannot travel through a vacuum because of lack of a medium. With the layer of vacuum surrounding the saucer, sound cannot radiate from it because of lack of a medium. Also, if the air cannot touch the sides, then there will be no audible rushing of wind over the surfaces. The result is a COMPLETELY SILENT SAUCER like the one you described in your tapes "COOPER IN ATLANTA".

A magnetic bottle surrounding the cockpit area of the manned saucers would keep the crew in a non-cooled area and prevent their body heat from warming the craft. The multiple bottles would prevent the craft from ever warming beyond the critical temperature of the superconductive materials until it is shut down. If the magnetic bottles could be made without "leaks", the result is a PERPETUAL MOTION propulsion system, and the only onboard power needed is for computers, software, etc.

In order to power the computers onboard, the craft would most likely use some form of battery, one which I believe would be very unique. As you know, electrical systems operate on the transfer of electrons. Most batteries that we are familiar with are composed of two separated substances, one whose atoms have an excess of electrons (the negative end), and the other whose atoms have an absence of some of their electrons (the positive end). The transfer of electrons is then caused by the pressure difference which is rated in volts. The most efficient battery would be one that had pure electrons at the negative side and pure nucleuses, or protons, at the other. The problem that arises is that the extreme repulsion the like charges of the particles have for each other could not be contained. The electrons would simply move into and through the walls of its container no matter how good an insulator it might be. The nucleuses would react similarly. There is however, one barrier that could contain both, and that is the magnetic bottle. The resulting power source would be of such magnitude that I could not begin to calculate it.

The problem of invisibility is the most difficult to grasp because it is such a radical departure from the normal, visually oriented world in which we live. The problem, however, is not impossible to overcome. Fiber optics is the answer to this problem, and fits into the sightings described by both yourself and many others. You have repeatedly said in your descriptions that it appeared there was a metallic, glowing skin on the craft, this is undoubtedly a fiber optic metal.

Dr. Dan Cook, a brilliant researcher, said that most metals on the periodic table of elements are transparent in their pure form. The thin layer of gold on the visors of the astronauts' space helmets and on the canopies of fighters are two familiar examples. He also stated that in many cases, a persons eye can see with better clarity when looking through these metals at the stars and other stellar bodies.

At the Lawrence Livermore National Laboratories, an experiment was conducted, putting the elements of water under cryogenic circumstances (extremely cold) and megabars of pressure. Oxygen simply turned blue. But when hydrogen was placed under these conditions, it became:

1. metallic
2. ferromagnetic
3. FIBER OPTIC
4. CLEAR OR OPAQUE (depending on the conditions)
5. crystalline
6. SUPERCONDUCTIVE
7. glowed pink

This is not to say that the skin is undoubtedly made of hydrogen. A substance similar to this could easily make up

the skin of the craft. The ferromagnetic and superconductive properties could easily provide the external magnetic bottle needed to repel the molecules of air and create the vacuum surrounding the craft.

The clear or opaque conditions could probably be changed by slightly altering the molecular arrangement by means of either an electrical fluctuation or a slight temperature difference. This could explain the dark metal appearance of the daytime sightings. The pink tinge could probably be eliminated in the same way or by means of an impurity if the skin is indeed hydrogen.

The glow is easily produced by a light source from the inside of the craft being shone into a small spot in the skin of the craft. The light from here would then spread throughout the entire skin and produce a glow. This is true with most fiber optic devices.

When the skin is in the clear condition and the internal "glow light" is shut off, the craft becomes invisible. The crystalline structure of the craft's skin allows any observer, optically equipped or not, to see what is behind the craft from his vantage point, regardless of his position relative to the craft. This is because the light waves that are approaching the craft (either after bouncing off of an object or directly from a source of light) go in one side and pass through the crystalline structure and are emitted on the other side at the same trajectory in which they originally started. Since the light source for the "glow" probably is inside the craft, all that is needed to be done is to close a door/blind. This and the immediate change from putting off glow to allowing light to pass straight through, is the reason that there is no "afterglow" as there is when an incandescent light is turned off. The skin very likely is made of those metals that are easier to see through than normal air, and because of the repelling field, there is no chance of small dust particles settling on the skin of the craft, making it visible. So to the viewer, there appears to be nothing there but empty space.

Since the family of transverse electromagnetic waves includes radio waves, microwaves, light waves, radar waves, X-rays, etc., there is no reason that the craft could not be made invisible from detection along these lines also.

I believe that this theory explains most, if not all, aspects of saucery within the bounds of physics as we know them. I know that no theory is flawless and hope that soon someone will formulate a more in-depth hypothesis on the subject.

Sincerely,

Matt Barsotti

Matt Barsotti

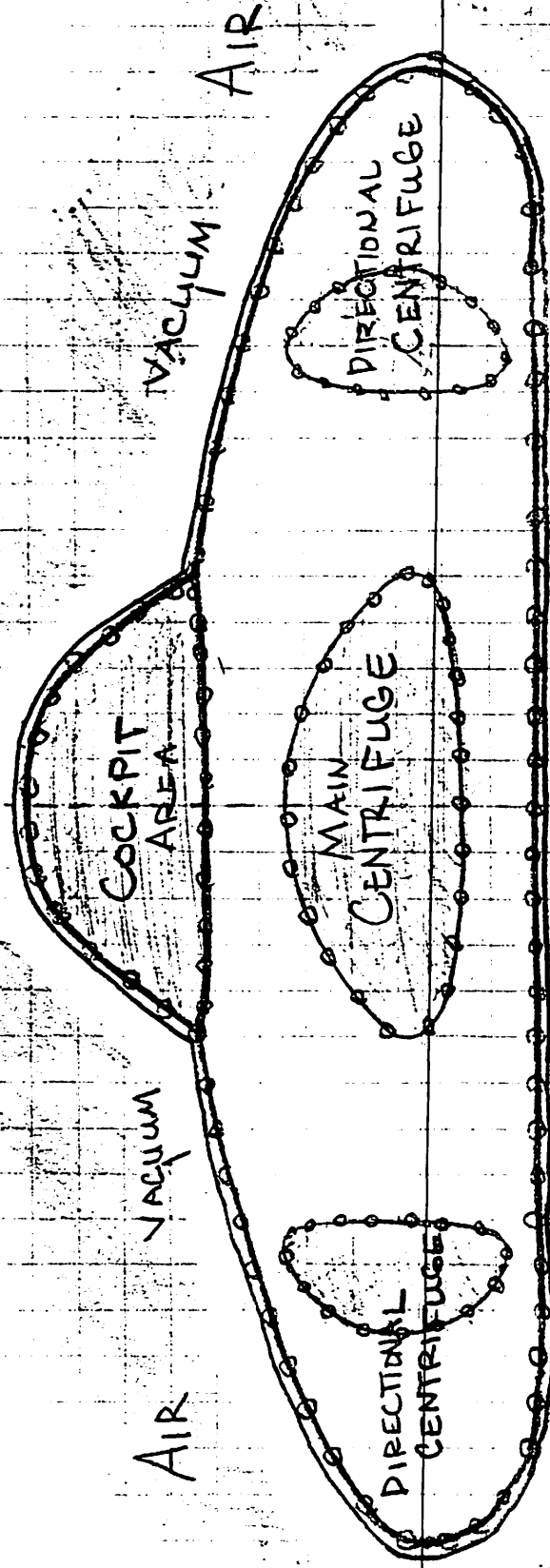
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⊖-⊖-⊖ = MAGNETIC BOTTLE

==== = FIBER OPTIC SHELL

DARK AREAS = HEAT AREAS

LIGHT AREAS = COOLED AREAS



~~VACUUM~~
~~AIR~~
~~VACUUM~~