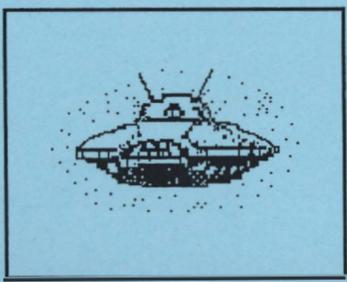


19/4

# PEGASUS



Surrey Investigation Group into Aerial Phenomena

## PEGASUS

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President: GORDON MILLINGTON - president@sigap.org  
Chairman: IAN WHEATLEY - chairman@sigap.org  
Vice-Chairmen: PAUL WHITEHEAD - vchairman@sigap.org  
SONYA PORTER - vchair2@sigap.org

Belmont, Markenfield Road, GUILDFORD, Surrey, UK. GU1 4PF

TEL: 01483 578419 Web-site: www.sigap.org

### BUT THEY KEEP ON COMING!

Wearisome as we old ufology hands inevitably find it, it is unfortunately necessary from time to time to review in some detail evidence relating to the existence and activities of the UFO Phenomenon especially when, as at the present time, the media are indulging in one of their periodic and presumably inspired bouts of derision.

This issue of *Pegasus* is devoted to some of the scientific evidence, though it is perhaps unfortunate that Steven Soter's article begins by denying that extraterrestrial civilisations are known to exist or have ever visited Earth. Perhaps his colleagues at the Centre for Ancient Studies in New York have not yet caught up with Sumer and the Annunaki. If so, he might look up Zecharia Sitchin round the corner at 310 West 86th Street!

Elsewhere in this issue the important questions of political contacts with terrestrial governments, scientifically demonstrable power sources which can produce effects such as antigravity and the experiences of the military regarding UFO interest in nuclear sites are also described. The evidence is such that if it were presented and judged in a court of law, the verdict could not be in doubt. Why then, we must ask, do politicians world-wide find it so convenient to ignore it?

**G.M.**

## DO NUCLEAR FACILITIES ATTRACT UFOS?

by Donald A Johnson, PhD

Sun River Research, Bow, NH, USA

Source www.cufos.org

On numerous occasions UFOs have been reported over nuclear power plants as well as over nuclear research facilities and nuclear weapons storage bunkers at military bases.<sup>(1)</sup> A good percentage of these reports occurred at highly restricted government research and production facilities, such as Los Alamos, Oak Ridge, Hanford AEC, and Savannah River AEC. Highly trained government scientists and military personnel, who had been granted top-secret military clearances, made many of these reports.

In a well-documented series of incidents in early November 1975, nocturnal lights and unidentified "mystery helicopters" visited a wide spectrum of American military bases and missile sites across the northern tier of this country. Between October 27 and November 10, reports of UFOs over nuclear weapons storage sites were repeatedly made at Loring AFB in northern Maine, Wurtsmith AFB in Michigan, Grand Forks and Minot Air Force Bases in North Dakota, and Malmstrom AFB in Montana. F-106 interceptors were scrambled out of Malmstrom AFB near Great Falls, Montana in response to multiple reports of UFO visits to nearby missile sites near Moore, Harlowton, Lewistown, and several missile sites around Malmstrom AFB.<sup>(2)</sup>

A similar rash of incursions occurred in December 1948 (Los Alamos), December 1950 (Oak Ridge), July 1952 (Hanford AEC, Savannah River AEC, and Los Alamos), August 1965 (Warren AFB near Cheyenne, WY), March 1967 (Minot AFB, Malmstrom AFB, and Los Alamos), August 1968 (Ellsworth AFB in South Dakota), August 1980 (Warren AFB, Sandia Labs and Kirtland AFB, NM), December 1980 (Bentwaters RAFB, Suffolk, England), and October 1991 (Chernobyl, Ukraine, and Arkhangel'sk Missile Base, Russia).

These reports led some to speculate that the intelligences behind UFOs have an interest in nuclear weapons and nuclear power. One feature of these reports suggesting a direct link deals with light rays or energy beams being focused on nuclear materials.<sup>(3)</sup> Multiple independent accounts state that beams of light were directed downward from the UFOs onto the nuclear storage bunkers and underground missile silos, perhaps penetrating them beneath the surface.<sup>(4),(5)</sup> In addition, there have been unsubstantiated rumours from enlisted men that the telemetry of the weapons at some sites had been changed or that other weapons had been rendered inoperative.<sup>(6),(7)</sup>

Some researchers have suggested that the occupants of UFOs have a deep concern about the safety of nuclear power and our proliferation of nuclear weapons, and are therefore keeping a close scrutiny of these sites. During the Chernobyl nuclear power plant disaster on April 26, 1986, technicians reported that they observed a fiery sphere, similar in colour to brass, within 1,000 feet of the damaged Unit 4 reactor during the height of the fire, about three hours after the initial explosion. Two bright-red rays shot out from the UFO and were directed at the reactor. It hovered in the area for about three minutes, then the rays vanished and the UFO moved slowly away to the northwest. Radiation levels taken just before the UFO appeared read 3,000 milliroentgens/hour, and after the rays the readings showed 800 milliroentgens/hour. Apparently the UFO had brought down the radiation level.<sup>(8)</sup>

Is there any statistical evidence that indicates a heightened attention to nuclear sites? In an effort to determine this we applied the techniques of epidemiology to the UFO evidence accumulated since World War II. Table 1 below was developed from the UFOCAT 2002 database. It compares 164 counties with nuclear facilities to a control group of 164 US counties without nuclear facilities. Nuclear facilities include those plants involved in the storage or manufacture of nuclear materials, including military bases where nuclear weapons are deployed and commercial or research nuclear power plants. A nuclear facility might be a small commercial nuclear power plant such as Vermont Yankee in Windham County, Vermont; or it might be a nuclear production plant such as Rocky Flats in Jefferson County, Colorado; or it might be a nuclear submarine base such as Bangor Naval Base in Kitsap County, Washington.

The control-group counties were selected on the basis of the closest match in population, with an attempt to also match the same region of the country (Northeast, Midwest, South, Mountain, West Coast) as the county with a nuclear facility, and with an attempt to exclude control-group counties with military bases that might have held nuclear weapons at one time. The results suggest that there is an important association between the presence of a nuclear facility and the rates of both UFO sightings and close encounters (CE). This association tends to increase with those counties with smaller populations, so the results are further stratified by five population categories:

- (a) Counties with populations over 500,000;
- (b) Counties with populations between 225,000 and 500,000;
- (c) Counties with populations between 101,000 and 225,000;
- (d) Counties with populations between 50,000 and 101,000;
- (e) Counties with populations under 50,000.

For US counties with populations between 50,000 and 101,000 the rate of UFO reports peaks at 37.03 per 100,000 people for those counties with nuclear facilities, and this rate is 2.61 times higher than for similar counties without nuclear facilities. Overall, the rate of UFO sighting reports is 13.84 for nuclear-site counties and 9.59 for non-nuclear counties, for a relative risk of 1.44. In other words, they are 1.44 times more likely to occur in these counties. For close-encounter reports, the rate is 2.58 per 100,000 compared to 1.79 per 100,000 in non-nuclear counties, for a relative risk of 1.44. Ninety-two of the nuclear-site counties are considered UFO "hotspots," having had four or more UFO close encounters, while only 70 of the non-nuclear counties are rated as UFO hotspots.

The answer about whether nuclear facilities attract UFOs appears to be "yes." There is an excess of 3,051 UFO reports for nuclear-site counties above what would have been predicted based on the non-nuclear counties. For close encounters, there is an excess of 568 close-encounter reports over what should have been expected based on other UFO reporting dynamics.

In a previous study using US county data, education was found to be positively correlated with UFO reporting. Those counties with a higher percentage of residents possessing a high-school degree were found to produce larger numbers of UFO reports.<sup>(9)</sup> So it is important to check if there is a large imbalance in educational level between the nuclear-site and non-nuclear counties selected for this study.

From 1960 US Census data, the average percentage of those adults (over age 25) possessing a high-school degree across the 164 nuclear-site counties was 43.7%. This compares to a rate of 38.9% for the 164 non-nuclear counties. In general, it can be stated that nuclear facilities tend to require a more highly educated work force, and this fact may account for the small difference noted between the two groups. Whether this small difference in educational level could explain all of the excess in UFO reports and close encounters seems doubtful.

So we are left with a somewhat troubling finding. Apparently, UFO reports do occur more frequently in the vicinity of nuclear sites, after controlling for population and the region of the country. Given that the motives of the intelligences behind UFOs -- assuming that UFOs are intelligently controlled -- are not well known, we should be concerned. Given the long history of UFO incursions at sensitive, highly-restricted nuclear facilities and, given that the events of 11 September 2001 have drawn attention to the vulnerability of nuclear power plants to terrorist acts, it would seem to behove national security agencies to re-direct some attention to the issue of UFOs entering

restricted air space over nuclear facilities. No matter how possibly benign the motives of the UFO occupants may be, were I the new Director of Homeland Security I would certainly be paying attention to this matter.

References:

(1) The UFOCAT 2002 database lists 289 reports at sites coded as "Missile" or "Nuclear" facilities. These reports date from March 1944, an aerial encounter near Yakima, Washington not far from the huge WWII plutonium production plant at Hanford, to another aerial encounter in October 2001 over a nuclear power plant in Kent, England. At least 52 of these cases are close-encounter reports.

(2) Fund for UFO Research (1985). Government documents concerning over-flights of military bases in 1975, pp. 98-100.

(3) Gestin, Pierre (1973). Phenomena Spatiaux, July 1973, p. 26 (Loqueffret, France, February 1961).

(4) Gross, Loren (1982). UFOs: A History 1950: April - July. Fremont, CA: Author, p. 34 (Dugway Proving Grounds, UT, April 25, 1950).

(5) Hall, Richard H. (2001). The UFO Evidence Volume II: A thirty-year report. Lanham, MD: Scarecrow Press (Bentwaters AFB, December 27, 1980)

(6) Keyhoe, Donald E (1973). Aliens from Space: The real story of Unidentified Flying Objects. Garden City, NY: Doubleday, pp. 10-11 (Minot AFB, March 5, 1967).

(7) Hall, Richard H (2001). The UFO Evidence Volume II: A thirty-year report. Lanham, MD: Scarecrow Press, p. 333 (Malmstrom AFB, March 16, 1967).

(8) Stonewell, Paul (1998). The Soviet UFO Files. New York: Quadrillion Publishing, pp. 68-69.

(9) Saunders, David R. (1972). Some new lines for UFO research. MUFON 1972 Conference Proceedings. June 17, 1972, pp 139-145.

## **MILITARY NUCLEAR SPECIALISTS TESTIFY TO UFO REALITY**

From: Disclosure Project <campaign@disclosureproject.org>

Date: Mon, 15 Apr 2002 17:48:31 -0500

Fwd Date: Tue, 16 Apr 2002 18:40:13 -0400

Subject: Military Nuclear Specialists Testify To UFO Reality

Several military and intelligence witnesses who were Strategic Air Command (SAC) and other nuclear specialists have come forward with testimony proving that UFOs are real and appear to be concerned about our nuclear weapons.

The Disclosure Project ([www.DisclosureProject.org](http://www.DisclosureProject.org)) has obtained the first-hand testimony of several such insiders whose documents and corroborating testimony prove that UFOs have monitored sensitive nuclear facilities since at least the 1950s.

While the UFOs were not hostile, it was made clear that they were very concerned about human weapons of mass destruction. On one occasion, UFOs over a SAC Nuclear launch area took more than a dozen intercontinental ballistic missiles (ICBMs) offline.

### **Lt. Colonel Dwyne Arneson, US Air Force (ret.):**

"I was the top-secret control officer at Malmstrom AFB for the 20th Air Division. I happened to see a message that came through my communications center. It said that a UFO was seen near missile silos, and it was hovering. It said that the crew going on duty and the crew coming off duty all saw the UFO just hovering in mid-air. It was a metallic circular object and, from what I understand, the missiles were all shut down. What I mean by 'missiles shut down' is that they went dead. And something turned those missiles off, so they couldn't be put back in a mode for launching."

### **Captain Robert Salas, USAF SAC Missile Launch Officer [1964-1971]:**

"The UFO incident happened on the morning of 16 March 1967, on duty at Oscar Flight as part of the 490th strategic missile squad, and there are five launch control facilities assigned to that particular squadron... and I received a call from my topside security guard. He said that he and some of the guards had been observing some strange lights flying around the site around the launch control facility. I said, you mean UFOs? He said, well, he didn't know what they were but they were lights and were flying around. They were not airplanes; they were not helicopters. They weren't making any noise... [A little later] our missiles started shutting down one by one. By shutting down, I mean they went into a 'no-go' condition, meaning they could not be launched. These weapons were Minuteman One

missiles and were of course nuclear-tipped warhead missiles... This incident was of extreme concern to SAC headquarters because they couldn't explain it."

**Colonel Ross Dedrickson, US Air Force/Atomic Energy Commission (ret.):**

"After retiring from the Air Force I joined the Boeing company and was responsible for accounting for all of the nuclear fleet of Minuteman missiles. In this incident they actually photographed the UFO following the missile as it climbed into space and, shining a beam on it, neutralized the missile. I also learned of a number of incidents which happened, a couple of nuclear weapons sent into space were destroyed by the extraterrestrials. Our government sent a nuclear weapon for explosion on the moon's surface... [And] the ETs destroyed the weapon as it went toward the moon. [Apparently] the idea of any explosion in space by any Earth government was not acceptable to the extraterrestrials, and that has been demonstrated over and over."

**Professor Robert Jacobs, Lt. USAF 1369th Photo Squadron:**

"...we were testing ballistic missiles that were to deliver nuclear weapons on target. My duty [was] to supervise the instrumentation photography of every missile that went down in that western test range... and into the frame came something else. It flew into the frame and shot a beam of light at the warhead. Now, remember, all this stuff was flying at several thousand miles an hour, so this thing fires a beam of light at the warhead, hits it... The warhead tumbles out of space. The object, the points of light that we saw, the warhead and so forth, were travelling through subspace about sixty miles straight up, and they were going somewhere in the neighbourhood of eleven to fourteen thousand miles an hour, when this thing caught up with them, flew in, flew around them, and flew back out."

The Disclosure Project, a non-profit research and public interest group, has identified over 400 military, intelligence, government and corporate witnesses to rogue UFO and ET-related projects and events. The testimony of these witnesses along with government documents and other evidence may be seen at [www.DisclosureProject.org](http://www.DisclosureProject.org).

The truth is ready for you. Are you ready for the truth?

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## SETI and the Cosmic Quarantine Hypothesis

If civilizations exist in our galaxy with levels of technology at least equal to our own, we might be able to detect some of them by using radio telescopes. And, if civilizations exist with technologies far in advance of our own, we might expect them to have colonized millions of habitable worlds in the Milky Way, and even to have visited our own planet. Yet there is no evidence in the astronomical, geological, archaeological, or historical records that extraterrestrial civilizations exist or that visitors from other worlds have ever been to Earth. Does that mean, as some have concluded, that ours is the only civilization in the galaxy? Or could there be a natural self-regulating mechanism that limits the intensive colonization of other worlds?

In 1961 radioastronomer Frank Drake devised an equation to express how the hypothetical number of observable civilizations in our galaxy should depend on a wide range of astronomical and biological factors, such as the number of habitable planets per star and the fraction of inhabited worlds that give rise to intelligent life. The Drake Equation has led to serious studies and encouraged the search for extraterrestrial intelligence (SETI). It has also provoked ridicule and hostility. Novelist Michael Crichton recently denounced the equation as "literally meaningless," incapable of being tested, and therefore "not science." The Drake equation, he said, also opened the door to other forms of what he called "pernicious garbage" in the name of science, including the use of mathematical climate models to characterize global warming.

Crichton rightly pointed out that any numerical "answers" produced by the Drake Equation can be no more than guesses, since most of the terms in the equation are quantitatively unknown by many orders of magnitude. But he is utterly wrong to claim that the equation is "meaningless." An equation describes how the elements of a problem are logically related, whether or not we know their numerical values. Astronomers understand perfectly well that the Drake Equation cannot prove anything. Instead, we regard it as the most useful way to organize our ignorance of a difficult subject by breaking it down into manageable parts. This kind of analysis is standard, and a valued technique in scientific thinking. As new observations and insights emerge, the Drake Equation can be modified as needed, or even replaced altogether. But it provides the necessary place to start.

When Drake first proposed his equation, we had no way to estimate any of its terms beyond the first one, representing the rate of star formation in our galaxy. Then, in 1995, astronomers began to discover planets in orbits around other stars. These results now promise to sharpen our estimates for the second

term in the equation, denoting the number of habitable worlds per star. Who knows what unforeseen discoveries will tell us about the other terms in the equation?

In Classical antiquity, when Aristarchus conceived the heliocentric view of the solar system and Democritus developed an atomic theory of matter, they had no possible way to test their ideas. The necessary observational tools and data would not exist for another two thousand years. Of course, the Crichtons of antiquity denounced such speculations as pernicious. But, when the time finally came, the ancient ideas were still there, quietly waiting to inspire and encourage Copernicus and Galileo, and the pioneers of modern atomic theory, who took the first steps to test the theories. It may take centuries, but eventually the Drake Equation and all its elements will be testable.

We can express the Drake Equation in several ways, all of which are more or less equivalent. Here is one form:

$$N = R_s n_h f_l f_i f_c L$$

where  $N$  is the number of civilizations in our galaxy, expressed as the product of six factors:  $R_s$  is the rate of star formation,  $n_h$  is the number of habitable worlds per star,  $f_l$  is the fraction of habitable worlds on which life arises,  $f_i$  is the fraction of inhabited worlds with intelligent life,  $f_c$  is the fraction of intelligent life forms that produce civilizations, and  $L$  is the average lifetime of such civilizations.

The rate of star formation in our galaxy is roughly ten per year. We can define habitable worlds conservatively as those with liquid water on the surface. Many more worlds probably have liquid water only below the surface, but any subterranean life on such worlds would not be likely to produce an observable civilization. Recent discoveries of other planetary systems suggest that habitable worlds are common and that  $n_h$  is at least one such planet in a hundred stars.

The remaining terms in the equation depend on the biology and social development of other worlds, and here we are profoundly ignorant. Our local experience may provide some guidance, however. We know that life on Earth arose almost as soon as conditions allowed -- as soon as the crust cooled enough for liquid water to persist. This fact suggests that conditions for the origin of life on other habitable worlds are not restrictive, and that the value of  $f_l$  is closer to one than to one in a thousand. But that is merely a guess. No one knows how life began on Earth, and we cannot generalize from a single case.

The conditions for intelligent life are probably more restrictive. On Earth this step first required the evolution of complex animals, which began about three billion years after the origin of life, and then the development of brains capable of abstract thought, which took another half-billion years. Among the millions of animal species that have lived on Earth, probably only one ever had intelligence sufficient to understand the Drake Equation. This suggests that  $f_i$  might be a small fraction.

The probability that intelligent life develops a civilization depends on the evolution of organs to manipulate the environment. On Earth, whales and dolphins may well have intelligence sufficient for abstract thought, but they lack the means to make tools. Humans, with dexterous hands, began making tools over a million years ago. Starting about ten thousand years ago, civilizations based on agriculture arose several times independently, in Mesopotamia, Egypt, China, Mexico, Peru, and New Guinea. This suggests that the value of  $f_c$  is large, but again we should not generalize from the experience of only one intelligent and manipulative species.

We now come to the most intriguing term -- the average lifetime  $L$  of a civilization. The Drake Equation assumes that, whatever the other factors, the number of civilizations presently in our galaxy is simply proportional to their average lifetime. The longer they live, the more civilizations exist at any given time. But what is the life expectancy of a civilization? On Earth, dozens of major civilizations have flourished and died within the last ten thousand years. Their average lifetime is about four centuries. Few if any civilizations on Earth have ever lasted as long as two thousand years.

History and archaeology show that the collapse of any given civilization causes only a temporary gap in the record of civilizations on Earth. Other civilizations eventually arise, either from the ruins of the collapsed one or independently and elsewhere. Those civilizations also eventually collapse, but new ones continue to emerge.

For example, in the eastern Mediterranean at the end of the Bronze Age, the prevailing Mycenaean civilization suffered widespread catastrophic collapse around 1100 BC. During a few centuries of "darkness" that followed, the population was illiterate, impoverished and relatively small -- but not extinct. Classical civilization gradually arose and flourished, and gave rise to the Roman Empire, which itself collapsed in the fifth century AD. Another period of impoverished Dark Ages followed, but eventually trade and literacy revived, leading to the Renaissance. Each revival of civilization was stimulated in part by the survival of relics from the past.

Our global technological civilization, with its roots in the Mediterranean Bronze Age, is now arguably headed for collapse. But that will not be the end of civilization on Earth -- not as long as the human species survives. And the biological lifetime of our species is likely to be several million years, even if we do our worst.

We should therefore distinguish between the longevity of a single occurrence of civilization and the aggregate lifetime of a sequence of civilizations. Almost all discussions of the Drake Equation have overlooked this distinction and therefore significantly underestimated  $L$ .

The proper value of  $L$  is not the average duration of a single episode of civilization on a planet, which for Earth is about 400 years. Rather,  $L$  is much larger, being the sum of recurrent episodes of civilization, and constitutes a substantial fraction of the biological lifetime of the intelligent species. The average species-lifetime for mammals is a few million years. Suppose the human species lasts another million years and our descendants have recurrent episodes of civilization for more than 10 percent of that time. Then the average effective lifetime of civilization on Earth will exceed 100,000 years, or 250 times the duration of a single episode. Other factors being the same, this generally neglected consideration should increase the expected number of civilizations in our galaxy by at least a hundredfold.

While the aggregate lifetime of civilization on a planet may be only a hundred thousand years, we should allow the possibility that a small minority of intelligent life-forms, say one in a thousand, have managed to use their intelligence and technology to survive for stellar evolutionary timescales -- that is, in the order of a billion years. In that case, the average effective lifetime of civilizations in our galaxy would be about a million years.

If we now insert numbers in the Drake Equation that represent the wide range of plausible estimates for the various terms, we find that the number  $N$  of civilizations in our galaxy could range anywhere from a few thousand to about one in ten thousand. The latter (pessimistic) case is equivalent to finding no more than one civilization in ten thousand galaxies, so that ours would be the only one in the Milky Way. In the former (optimistic) case, the nearest civilization might be close enough for us to detect its radio signals. Estimates for  $N$  thus range all over the map. While this exasperates critics who demand concrete answers from science, it does not invalidate the conceptual power of the Drake Equation.

If many civilizations have arisen in our galaxy, we might expect that some of

them sent out colonies, and some of those colonies sent out still more colonies. The resulting waves of colonization would have spread out across the Milky Way in a time less than the age of our galaxy. So where are all those alien civilizations? Why haven't we seen them? The physicist Enrico Fermi first posed the question in 1950. Many answers have since been proposed, including (1) ours is the first and only civilization to arise in the Milky Way, (2) the aliens exist but are hiding, and (3) they have already been here and we are their descendants. In his book *Where is Everybody?* Stephen Webb considers fifty proposed solutions to the so-called "Fermi Paradox" but he leaves out the most thought-provoking explanation of all, one that I call the Cosmic Quarantine Hypothesis.

In 1981 cosmologist Edward Harrison suggested a powerful self-regulating mechanism that would neatly resolve the paradox. Any civilization bent on the intensive colonization of other worlds would be driven by an expansive territorial impulse. But such an aggressive nature would be unstable in combination with the immense technological powers required for interstellar travel. Such a civilization would self-destruct long before it could reach for the stars.

The unrestrained territorial drive that served biological evolution so well for millions of years becomes a severe liability for a species once it acquires powers more than sufficient for its self-destruction. The Milky Way may well contain civilizations more advanced than ours, but they must have passed through a filter of natural selection that eliminates, by war or other self-inflicted environmental catastrophes, those civilizations driven by aggressive expansion. That is, the acquisition of powerful technology ultimately selects for wisdom.

However, suppose an alien civilization somehow finds a way to launch the aggressive colonization of other planetary systems while avoiding self-destruction. It would only take one such case, and our galaxy would have been overrun by the reproducing colonies of the civilization. But Harrison proposed a plausible backup mechanism that comes into play in the event that the self-regulating control mechanism fails. The most evolved civilizations in the galaxy, he suggested, would notice any upstart world that showed signs of launching a campaign of galactic conquest, and they would nip it in the bud. Advanced intelligence might regard any prospect of the exponential diffusion throughout the Milky Way of self-replicating colonies very much as we regard the outbreak of a deadly viral epidemic. They would have good reason, and presumably the ability, to suppress it as a measure of galactic hygiene.

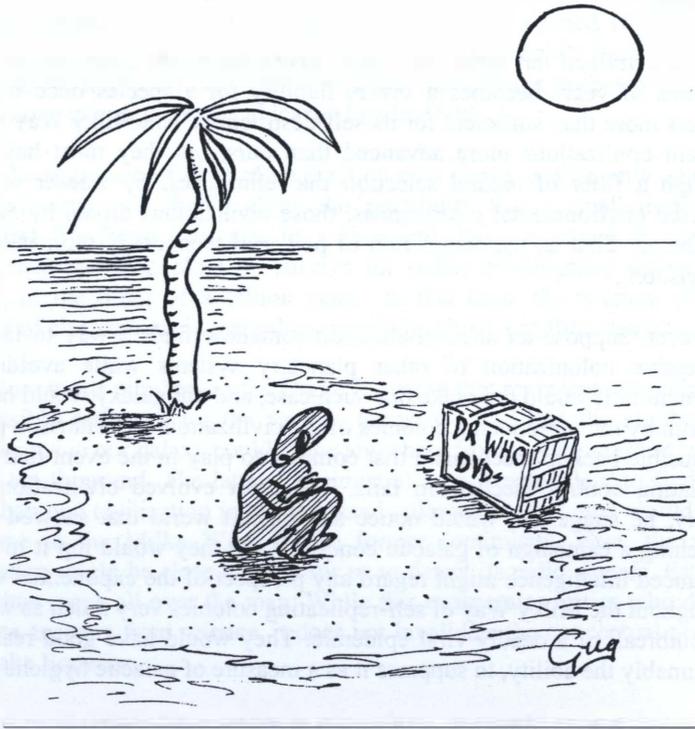
There may be many highly evolved civilizations in our galaxy, and some of

them may even be the interstellar colonies of others. They may control technologies vastly more powerful than ours, applied to purposes we can scarcely imagine. But Harrison's regulatory mechanisms should preclude any relentless wave of colonization from overrunning and cannibalizing the Milky Way.

To most appearances, the dominant civilization on our planet is of the expansive territorial type, and is thus headed for self-destruction. Only if we can intelligently regulate our growth-obsessed and self-destructive tendencies is our civilization likely to survive long enough to achieve interstellar communication.

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Steven Soter is Scientist-in-Residence in the Center for Ancient Studies at New York University, where he teaches a seminar on Scientific Thinking and Speculation, and a Research Associate in the Department of Astrophysics at the American Museum of Natural History.



## NCP-10: NUCLEAR HISTORICAL CORRELATIVE RESEARCH

by Robert Duvall

Do UFOs respond to our political will in the arena of nuclear weapons? It is inevitable that we should compare the onset of prolific UFO activity of the last 60 or so years to our acquiring nuclear weapons capability. In making that comparison it is essential to realize the possibility that a historical relationship could exist, and to at least perform a study to make that determination. This paper's primary goal is the introduction of the historical correlative concept and represents a small sample of such a study. This paper also provides topic organizational structure allowing the data to be collected in a fashion that is easily applied to historical research. Although much progress has been made towards firming this approach, not all topics have received correlative attention at the time of this writing.

Why choose military sighting data? The significance of military sightings is imbedded in the high quality of the observation and documentation, the consistency of the types of activity and, most important, the notice taken by the chain of command. Engaging the military of a state is the most direct way of getting attention – all the way to the top. It is apparent that direct contact with leaders of states today is rare or probably nonexistent. Any sighting at or near to a state's capital should therefore be treated as extremely significant. Most normal UFO activity occurs in fashions not meant to attract attention, such as in the guise of night or in remote areas, or so brief in length as to make it nearly impossible to ascertain anything from the sighting. When discovered, UFOs usually end any observation by leaving quickly. Yet military engagement is direct, specific in type and location, often having duration indicating the intent to acquire full attention. Repetition of specific activities related to military could very well be attempts to relate or demonstrate clear superiority, concern over policy/decisions, and, with the more aggressive activity, a conveyance of warnings. That cannot be ignored as a distinct possibility. This is the case with UFO activity related directly to nuclear technology, weaponry and the associated political prowess.

What does this have to do with a possible historical relationship? Evidence supports this relationship. The location and the timing of many of these sightings are coincident with historical events within the related realm, whether that is conventional conflict or specific aspects of nuclear policy and militarization. This does not apply just to the US. There is much to be learned

by applying an orderly study of this relationship both in conventional military conflict and nuclear militarization globally.

Introducing this historical relational concept in a convincing manner to the general populace would require a fairly extensive set of consistent examples. When looking at the complex history of the last 60 years, the task becomes daunting. However, setting specific categories and building examples for each with consideration of pertinent global military actions helps simplify this significantly. The separation between "conventional" and "nuclear" strategy/decisions during the various conflicts must be maintained at all times. The "conventional" military actions have related UFO activities which likely carry with them an agenda differing from that of "nuclear" related UFO activities.

While the results from each category may not stand firm statistically, applied together the composition with their patterns of behaviour become more revealing. Over time a sense is acquired of the types of nuclear related policies/decisions/events and the kinds/timing of UFO activity that these elicit.

Loren Gross has written about the Berlin crisis of 1948 in a historical relational manner (NCP-01: Some Early Patterns). There are many more nuclear historical manifestations to draw from. Although we lay claim to being the first to detonate atomic weapons, the events that we are studying here in the US are not peculiar to the US -- Britain, France, the former Soviet Union (and now, Russia), China, Israel, Pakistan, India, and probably South Africa, all likely have had similar types of activity. The focus of this study has only included the first five. Of those, China and France have yielded little information thus far.

Actions of UFO related to nuclear technology and its utilization border on predictable. The following list represents known categories for UFO event/nuclear historical correlative study:

**\* Weapons Development and Manufacture** – Atomic and thermonuclear – research facilities (Los Alamos, Sandia Labs, Lawrence Livermore) and other developmental locations. This category seems straightforward in that sightings at these locations could be related to activity at these facilities at the time of the sighting. It could even be as simple as status checks or demonstrating concern through repeated presence at facilities. More study is needed in this category to determine if any historical significance exists in these incursions.

**\* Fuel Processing Facilities** (initially Oak Ridge Tennessee then Hanford Washington -- in my backyard). Hanford was the second facility built to support the Manhattan Project. The fuel for the weapons used in Japan came from this facility. It would be an obvious target for surveillance and

demonstration. An event occurred at this facility on or around the date of the Trinity Test.

Hanford, WA: Radar picked up a fast moving oval object the size of three aircraft carriers side by side which then began to hover over N-Plant at 65,000 ft altitude. Six F6F's were scrambled to the object but reached a maximum altitude of 42,000 ft -- 5,000 ft above the rated ceiling of the F6F. The pilots were forced to go back as their engines began to fail and fuel became dangerously low. The object then disappeared as quickly as it came. At least twenty minutes elapsed during the event. The object was described as "very streamlined like a stretched-out egg and pinkish in colour" and emitting vapour from the outer edges. The date of the occurrence was described by Rolan Powell, one of the pilots, as "six weeks before the Japanese surrendered aboard the Battleship Missouri in Tokyo Bay on 2 September 1945." This places the sighting in the middle of July.

Long-duration sightings at or near these facilities close to such important dates can be interpreted as demonstrations. The timing of these demonstrations often occurs about significant atomic/nuclear related events. Do they want our leaders to be cognizant of these incursions and their importance? It is as if they are applying pressure. The sighting over the Oak Ridge facility on 18 September 1944 occurred on the same day as the Hyde Park Accord, a secret accord between the US and Britain [F. D. Roosevelt and W. Churchill] deciding the atomic bombing of Japan. There are many events that have occurred over the weapons material manufacturing facilities and much opportunity to learn the historical significance.

**A side note:**

In a search for information on UFOs documents relating to the cleanup efforts at Hanford turned up with information on a waste dump area officially titled "UFO Landing Area." It is in one of the oldest dump areas of the reservation and adjacent to the main security facilities. It appears, based on another person's review of recent aerial photos, that the cleanup is complete at that location. That was an interesting find. The titles of these various cleanup areas do not show a theme of humour or sarcasm. The underground plume of contaminants at the reservation is slowly working its way toward the Columbia River. At this time there is not much we can do to halt this progression.

**\* Weapons Testing** – have test dates and locations, Space Tests-EMP (electromagnetic pulse), Moon N-test? (USA, Britain, France and Russia). It is likely that appearances were made at a majority of the tests. There is film footage from the Defense Department that looks suspiciously like a UFO applying surveillance during a test. Many of these tests are available on video. Some of these tests were demonstrations themselves for the sake of applying

pressure to the former USSR. These would be likely candidates for demonstration activity from the UFO.

One test in particular that either was or wasn't attempted was a demonstration test that was scheduled to occur on the Moon. There are two accounts – one that says the Air Force shut the project down and another that says it was launched, intercepted and destroyed by UFOs. Tests did actually take place in space, however, in 1958 and again in 1962 after the test moratorium was over. These were executed to realize the results of ionizing the Van Allen belt with radiation. As it turned out in a test from Johnston Island, radar, radio communications and power were all knocked out in a large area. This EMP (electromagnetic pulse) effect is known to be a useful tool in knocking out the enemies' ability to retaliate. The possibility of an enemy's use of EMP has become an important driver in having missile defence capability.

Another attempted test on Johnston resulted in destruction of the rocket on the pad and resulting plutonium contamination of a large area around the launch facility. Deaths have been attributed to exposure following the accident.

It's unimaginable that we would have continued to get away with sending these weapons into space. Between the US and the USSR there were at least 20 tests. These were cut off due to the danger posed to space assets, astronauts and cosmonauts, and the population as a whole (not to mention UFOs). An Outer Space Treaty was drawn up in response to keep nuclear weapons out of space for detonation or targeting from space. There is a good video called *Nukes in Space* (Peter Kuran – Goldhil Home Media International) and more information on the space tests is available on the Internet.

Delivery of fissile materials via naval vessels for these tests had UFO fly-overs. It is also likely the USS Indianapolis and its ill-fated mission delivering the fissile material unescorted for the Hiroshima and Nagasaki bombings had visits by UFOs. There are survivors from that sinking, but it seems unjustifiable interviewing them about possible sightings during their voyage after hearing their personal accounts of the hell they lived through.

\* **Rocket/Missile Development** (White Sands, Australia, Russia). It would be consistent for UFOs to monitor rocket development both as future delivery vehicles for nuclear weapons and for our space purposes. Accounts exist to support this observation. Further work is needed to provide examples.

\* **Nuclear Threat or Standoff Conditions** -- dates of US decisions or military command recommendations to pursue the use of nuclear weapons during various conflicts and standoffs.

It is this category that would include incursions over Washington D.C. and other capitals throughout the world. There are many examples to draw from. The demonstrations in these instances would be more bold, pointed at

leadership, and persistent in duration. The 1952 flap holds many secrets. At that time we were in the midst of the Korean War, were on schedule with development of the hydrogen bomb, and had many complex issues to consider regarding the Soviets with their nuclear weapons development and China. China's involvement in the Korean War had pushed our military command towards recommending the use of atomic weapons at least once. This instance had taken place in the first months of 1951. In 1952 we had new developments involving China over the situation in the Indo-China region. China was once again aiding in a growing conflict that would eventually oust the French colonial government and persist to become the Vietnam War. An article researched and printed in a prominent Japanese newspaper Asahi on September 16, 1984, states that according to documents retrieved through the FOIA, on July 16, 1952, the joint chiefs made the recommendation to take on China utilizing atomic weapons. Excerpts from the article as translated to English:

"The United States Department of State announced on 14<sup>th</sup> September 1984 that in its diplomatic documents the United States Armed Forces were concerned with the French gradually losing in its frontline battle in the Indo-China War. The United States was contemplating cutting resources to the League for Vietnamese independence (The Vietnamese army led by Ho Chi Minh), and to use nuclear weapons against China to prevent their descending south.

It is known from the diplomatic documents released last year [1983], that nuclear weapons considered for use against China by the United States when entering the Korean War. But this is the first time that consideration of the use of nuclear weapons in the first Indo-China war was made public.

According to those documents, the first time that a nuclear strike against China was considered was on 11 January 1952, at the conference held by military representatives from the United States, France, and England. Chairman Bradley of the Joint Chiefs of Staffs suggested that, in order to halt the southern advance of China in the Indo-China war, they warn China about the use of nuclear weapons as being one of their options. But, telling the method that they would use in a retaliatory attack was considered unwise, and the suggestion was dropped.

In the same year, on 16 July, at the strategic military conference held by the Department of State and the Joint Chiefs of Staff, Chairman Bradley stated that it would be difficult to halt the southern advance of China without paralyzing their transportation systems with nuclear weapons. It is not known at this time what the view of President Truman was concerning this topic."

There is evidence to suggest that strong connections exist between political/military considerations of the use of nuclear weapons and the appearance of UFOs at the capitol or other important government facilities. Of the conflicts since WWII, the Vietnam War has provided the largest number

of nuclear scenarios beginning in 1949, when the Chinese began supplying arms to Ho Chi Minh. Certainly, all of the nuclear threats and standoffs have to be studied to look for consistent patterns before passing judgement on the 1952 D.C. correlation indicated above.

\* **Deployment of Nuclear Bomber and Missile Wings** -- US and overseas, increased activity as a result of deployment of nuclear bomber and missile wings (over bombers on alert status, weapons storage, harassing bombers on training missions, etc.); most US locations were bases left over from WWII.

Deployment historical documents for the US and overseas are being utilized. Although this category is not documented yet, many examples have been collected over the years to suggest that correlation of activity with deployment is a sure thing. This will be backed with data as this effort continues. The primary purpose of covering this topic is to indicate a strong statistical relationship. If UFOs are truly interested in and concerned over our nuclear components, as the evidence suggests, this would in itself be the motivation for the different incursions over these bases. Monitoring weapon types, movement and deployment would surely be the activities they would engage in. Another aspect that this topic uncovers is the treatment generally of our military planes. UFOs tend to engage our military aircraft directly and boldly.

\* **Nuclear False Alerts** - bomber fleet attacks or missile launches indicated by early-warning radar installations or satellites -- occurring in the US or USSR (with consideration of specific nuclear-related action or deployment by a country, increasing political tensions).

This is one hot topic. Of course there have been many false alerts that were of our own making, whether equipment malfunctions, inadequate equipment design, or technology infancy. Then there are some that probably fall completely out of our hands, and it's interesting to note what was going on when these occurred. As an example, in the mid-1970s European NATO countries were reformulating defence policy. It made little sense to have large numbers of ground troops in the face of a nuclear threat from the USSR. What really made sense, both economically and strategically, was to have Eastern Europe defended by a theatre of medium-range nuclear-tipped missiles. The only problem was that the location of the missiles only gave Moscow six minutes response time. Comparing that with what the US had left a clear imbalance. Deployment of the Pershing II missiles began in the early eighties. Many articles about false alerts during this period indicate that the number of false alerts through 1985 is surely in the thousands. This is difficult to verify. Equally difficult to verify is the source of these alerts. There are the same few explanations repeated over and over. While this accounts for a few, what of the rest? The true depth of the issue of false nuclear alerts is not explored or exposed, for reasons likely having to do with public confidence. If UFOs have

had a role in keeping our defence apparatus off balance with these staged scenarios, who in the Defense Department would ever admit this?

Going back to December 1950, about a year after Russia had detonated its first atomic bomb, we had an alert that looked like Russian bombers headed towards our Northeastern coast. This was probably our first alert. The bombers faded out on the radar screens before any detrimental action was taken. It's interesting to note that a year after the first detonation would have provided the Russians enough time to assemble the weapons and to get the bombers ready for the task.

This is a difficult topic to get good data on. But it would be consistent that UFOs would engage the US and the Soviets in such a fashion. If anyone reading this is aware of examples, please pass them along.

\* **Missile Wing Interference** (non-destructive and limited scope demonstrations/warnings) -- with missile launch-readiness or missile trajectory change, or with test launches curtailing dummy warhead trajectory, all demonstrating highly advanced capability that we are unable to anticipate and design to. (Both US and USSR. What else do they have up their sleeve?) At some point we passed the line separating the possibility and the probability of utilizing ICBM weapons. This is a discussion worth engaging in because it will likely reveal that military and political will somehow changed in the early 1960s to elicit the bold UFO activity experienced at the various missile bases. It is no secret to most individuals who have read the various publications discussing military-related UFO activity that launch capability of limited numbers of missiles were taken offline on a few occasions, and that launch coordinates were altered at least once.

There was also a test launch of an Atlas ICBM with a dummy warhead out over the Pacific in September of 1964 (*Deliberate Deception: The Big Surge in UFO Filming* -- Bob Jacobs). This test was filmed and, upon review of the film, officials in the air force found a disk entering into the frames, circling the warhead, shooting a laser-like beam at four separate locations on the warhead, and exiting the frames. The dummy warhead then tumbled out of its trajectory. There are many other instances including an individual silo in Russia where the controls indicated to the operator for a harrowing 15 seconds as the launch sequence was initiated and the missile was about to launch. A massive UFO hovered outside of the silo control facility. The top officials were aware of this event. Why did these kinds of activity occur? One assessment is that we were being shown a superior capability. For what purpose? Here are some possible reasons:

Indicating to our military command that we do not have the control over these assets that would have to be in place in order to utilize them.

Allowing that we may not know whether our equipment is malfunctioning or that the source is external.

Allowing that in a real scenario we will not have certainty that interference wouldn't occur again.

Uncertainty seems to play an important role. With thousands of nuclear weapons ready to go at any time and with the predictions of the outcome, uncertainty has no place. No permanent damage was incurred by these activities and our national security was minimally compromised. The people at the top were well aware of these events.

**\* Nuclear Military Exercises (US and joint).**

This is another category that is worth filling in with some research. If pressure was being applied using these other areas for demonstration, likely nuclear exercises would have had them as well.

**\* Nuclear Accidents** (research, reactor, weapons test, weapons lost, vessels sunk).

There was one purported incident in Canada where a small nuclear-tipped cruise missile was fired from a US military aircraft at a UFO, missing it, of course. Although that may not be considered an accident, it is not stated whether the missile was recovered after the incident.

There were many occasions when bombs were lost, nuclear submarines loaded with missiles sank, and accidents occurred at nuclear fuel processing plants and nuclear power plants. A limited search for activity at Three Mile Island in Pennsylvania produced no results. There may have been some related activity after the event. It will take more work.

Chernobyl was a different case. UFO Activity occurred prior to and after the accident there. Readings before and after a sphere descended over the facility just after the accident indicated that the level in that area had been reduced by over 2/3, according to Paul Stonehill in *The Soviet UFO Files*.

**\* Mining Raw Uranium** – what better place to make a statement than the mines?

There is documented activity over uranium mines in Africa. It is likely that data will support mine-related sightings in Wyoming. And here's a fascinating event that occurred in Texas:

In the summer of 1971 I was working the night shift for Conoco Oil Co. at an open pit uranium mine west of Karnes City, Texas. I was one of 6 people operating Caterpillar 657B earth movers. We were down to about 210 feet deep when this incident happened. It was about 11:10 p.m., just after shift change, as we were getting ready to crank our machines, when the 85-acre pit lit up as if it was daylight. The light was so bright that I had to squint because it hurt my eyes. I remember hearing a high-pitched hissing noise and the hair on my arms stood on end. I was so scared, I fell to the ground and started praying. I remember trying to look up, but the light was so bright that I couldn't. After about 2 minutes the light started getting dimmer and I could finally look up at it. What I saw amazed me. The object was round and the bright light was coming from the centre of the bottom of the UFO. Around the

perimeter of the craft were hundreds of penlight-size light beams that alternated in all colours of the spectrum. Now I know they were laser beams. The UFO was rising up slowly at first and then went straight up out of sight in about 10 seconds. I was crying and shaking and so was everyone else. The other shift workers thought we were crazy when we told them what had happened. But we got the last laugh. This is how we proved it actually happened. There is a vein of uranium ore that runs from George West Texas to almost Texarkana Texas. When determining where to place a mine, the following steps are accomplished:

1. A geologist with a Geiger counter flies over the area and finds the highest radiation reading.

2. Drilling trucks are sent out and core samples are drilled to determine the highest concentration of uranium ore. These core samples are drilled in a grid pattern and every core sample is given a tracking number and logged in showing the concentration and amount of uranium present.

3. The open-pit mine is then laid out according to these core samples. When this UFO incident happened, we were about 2 feet away from a layer of hard rock called the "tap rock" that lay directly on top of the uranium ore. The uranium ore varied in depth from 6 to 18 inches and had about the same brown colour as low-grade coal. Two days after this incident the tap rock was removed to expose the uranium ore. We were astounded to find that the uranium ore was now a chalky white substance that had NO radioactivity at all! There was a 250-foot diameter circle of this chalky material in the centre of the pit. Outside of the circle the uranium ore was still as potent as before the incident. Core samples don't lie. This chalky material was uranium before this incident. Many a night I have lain in my bed thinking about what happened. I think the UFO needed the uranium for some reason.

NUFORC

Occurred : 6/15/1971 23:10

Reported : 5/27/1999 21:18

Posted : 6/23/1999

Location : Karnes County, TX

Shape : Circle UFO sighting over open-pit uranium mine.

Interpretation of this event is that a demonstration was made regarding the use of uranium. If UFO needed raw or processed uranium, certainly given the advanced capabilities displayed, they could have taken as much as they wanted from any source. If that were the intent you would see much more of that kind of activity around these mines and likely we would be dealing with losses at facilities where processed material is stored, which is simply not supported by the sighting data available. In this case, however, what we have is a known quality and quantity of raw material that is days away from being

extracted. Right in front of the workers this UFO comes down and renders the uranium worthless in an area large enough to get attention. There are no other events on subsequent days. Just this one. This surely got the attention of any engineering personnel working on the project. It is likely that the information was forwarded to the AEC or another government agency. Another event was probably noted by the government for its specificity in dealing with nuclear technology. The pressure was maintained.

**\* Weapons Component and Chemical Manufacturing Facilities**

There were likely events occurring over plants that may have been involved in materials used in processing weapons fuel. More work is needed for this category.

**\* Weapons Dismantling Facility (Pantex, Texas)**

This should provide some recent activity if they are monitoring our progress.

**\* Power Outage Events – conflict related? Nuclear related? (Vietnam – many events)**

Is it possible that the power outage events of the 1960s and 1970s were responses to political/military actions? The many articles and books indicate the immense depth of political turmoil brought on by the Vietnam War. The controversy over the courses of action and the lack of a clear plan based on sound intelligence and analysis brought the public in on the political fray. These sentiments were shared by the public of allied countries as well. From the controversial Tonkin Gulf Resolution (possible UFO involvement in this incident) on, we were in over our heads. Documentation from several government sources reveals that discussions to utilize nuclear weapons came up on several occasions. Early in 1965 President Johnson had initiated a massive bombing campaign in Vietnam that continued throughout the year. What happened towards November of that year? If indeed the Northeastern US power outage of that year was initiated by UFOs, what was the message? What prompted that action? Was Johnson initiating a nuclear option? There were serious nuclear bomber training missions from an aircraft carrier in the Vietnam region the summer of that year. A clear picture has not yet emerged and further historical research is needed to look for the correlative relationship. The other outage events have to be evaluated as well.

**\* Hiroshima and Nagasaki**

Japanese friends and associates have shed much light on these events. It doesn't take long for the importance and horrific nature to become clear when you study them. While it is common knowledge among some of those who were there at the time of the bombing that UFOs were present weeks and perhaps months before and after, there is little known evidence to support this. After the bombing there were efforts to study the effects by Americans from many different disciplines. Film and camera crews accompanied them documenting every aspect of these effects. Included in the photographic records are probably hundreds of pictures and film footage of the UFO present

on a daily basis. While a few pictures are posted on the Internet that appear to include UFOs, a more robust photographic record will be needed to set the record straight. Additionally, there are probably some written accounts of the UFO surveillance. There can be no doubt that there was much outward interest and concern displayed during this unique and horrific time in human history.

**\* Naval Nuclear Launch Submarines**

Deployment of submarines is unique due to the ability to close in on specific locations. Many of these sightings involve UFOs submerging in and exiting from the oceans.

**\* Treaties and Their Role**

Is it possible that related UFO activity had a small influence on treaties? It is hard to ignore the distinct possibility that UFOs have pressured our governments indirectly.

Today researchers are in a unique position. A plethora of nuclear historical information is available from many sources. Thanks to the hard work of many individuals, large numbers of sightings at sensitive installations have been documented and put into databases for study. The time is right to put new efforts into understanding the historical significance of these military UFO sightings. If, indeed, these events are as relational as it now seems, we may begin to understand their role. Imagine that!



# The Hutchison Effect -- an Explanation

by Mark A. Solis

People often ask: "What exactly is the Hutchison Effect?" This brief essay is an attempt to answer that question to the satisfaction of the majority. First of all, the Hutchison Effect is a collection of phenomena which were discovered accidentally by John Hutchison during attempts to study the longitudinal waves of Tesla back in 1979. In other words, the Hutchison Effect is not simply a singular effect. It is many.

The Hutchison Effect occurs as the result of radio wave interferences in a zone of spatial volume encompassed by high voltage sources, usually a Van de Graaf generator, and two or more Tesla coils.

The effects produced include levitation of heavy objects, fusion of dissimilar materials such as metal and wood (exactly as portrayed in the movie *The Philadelphia Experiment*), the anomalous heating of metals without burning adjacent material, spontaneous fracturing of metals (which separate by sliding in a sideways fashion), and both temporary and permanent changes in the crystalline structure and physical properties of metals.

The levitation of heavy objects by the Hutchison Effect is not -- repeat not -- the result of simple electrostatic or electromagnetic levitation. Claims that these forces alone can explain the phenomenon are patently ridiculous, and easily disproved by merely trying to use such methods to duplicate what the Hutchison Effect has achieved, which has been well documented both on film and videotape, and which has been witnessed many times by numerous credentialed scientists and engineers.

Challengers should note that their apparatus must be limited to the use of 75 Watts of power from a 120-Volt AC outlet, as that is all that is used by Hutchison's apparatus to levitate a 60-pound cannon ball.

The fusion of dissimilar materials, which is exceedingly remarkable, indicates clearly that the Hutchison Effect has a powerful influence on Van der Waals forces. In a striking and baffling contradiction, dissimilar substances can simply "come together," yet the individual substances do not dissociate. A block of wood can simply "sink into" a metal bar, yet neither the metal bar nor the block of wood come apart. Also, there is no evidence of displacement, such as would occur if, for example, one were to sink a stone into a bowl of water.

The anomalous heating of metal without any evidence of burning or scorching of the adjacent materials (usually wood) is a clear indication that possibly the nature of heat may not be completely understood. This has far-reaching implications for thermodynamics, which hinges entirely on the presumption of such knowledge. It should be noted that the entirety of

thermodynamics is represented by the infrared portion of the electromagnetic spectrum, which is insignificant in a context of 0 Hz to infinite Hz. The anomalous heating exhibited by the Hutchison Effect shows plainly that we have much to learn, especially where thermodynamics and electromagnetism meet.

The spontaneous fracturing of metals, as occurs with the Hutchison Effect, is unique for two reasons: (1) there is no evidence of an "external force" causing the fracturing, and (2) the method by which the metal separates involves a sliding motion in a sideways direction, horizontally. The metal simply comes apart.

Some temporary changes in the crystalline structure and physical properties of metals are somewhat reminiscent of the "spoon bending" of Uri Geller, except that there is no-one near the metal samples when the changes take place. One video shows a spoon flapping-up and down like a limp rag in a stiff breeze.

In the case of permanent changes, a metal bar will be hard at one end, like steel, and soft at the other end, like powdered lead. Again, this is evidence of strong influence on Van der Waals forces.

The radio wave interferences involved in producing these effects are produced from as many as four and five different radio sources, all operating at low power. However, the zone in which the interferences take place is stressed by hundreds of kilovolts.

It is surmised by some researchers that what Hutchison has done is to tap into the Zero Point Energy. This energy gets its name from the fact that it is evidenced by oscillations at zero degrees Kelvin, where supposedly all activity in an atom ceases. The energy is associated with the spontaneous emission and annihilation of electrons and positrons coming from what is called "the quantum vacuum." The density of the energy contained in the quantum vacuum is estimated by some at  $10^{13}$  (ten to the thirteenth) Joules per cubic centimetre, which is reportedly sufficient to boil off the Earth's oceans in a matter of moments.

Given access to such energies, it is small wonder that the Hutchison Effect produces such bizarre phenomena. At the present time, the phenomena are difficult to reproduce with any regularity. The focus for the future, then, is first to increase the frequency of occurrence of the effects, then to achieve some degree of precision in their control.

The work is continuing at this time. Before long, we shall see what progress can be made.

Shreveport, Louisiana  
February 16, 1999



# LETTERS

*Members who wish to express any opinions, ideas or comments are invited to write to Pegasus at the address on page 2. We reserve the right to edit any submission. Ed.*

## **NEWS IN BRIEF/ SIGHTINGS ROUNDUP**

**SHANGHAI** -- On November 30, 2005, between 4:30 p.m. and 9:00 p.m., when the majority of Chinese ended their working day, they could observe alien spaceships soaring over the city of Shanghai. A man named Hu was the first to notice a UFO. He said he could observe the UFO within about five minutes close to the ring road in the industrial district of Xinzhuang. At 5:00 p.m., Luo saw a shining oval object following to the West in the sky over one of Shanghai's old districts. Unfortunately, an attempt to take pictures of the extraterrestrial ships with a digital camera failed. At the same time, another Chinese man named Zhao saw a spaceship of a very strange shape drifting westwards. A Chinese man named Yang saw a most unforgettable sight -- a huge orange finger hovering over the road. It happened 15 minutes before Luo and Zhao also spotted UFOs. Soon, the object slowly and majestically drifted eastwards. A 65-year-old patient in a local hospital said he was looking out of the window in his ward on the 13th storey when he noticed a huge bright-red dish. It stopped right in front of the window at 4:55 p.m., hovered for five minutes in a manner typical of UFOs and then moved away. When it got dark the aliens had to put the lights on and immediately revealed themselves. Liu was the last Chinese who observed the UFO. The man said he saw a square-shaped UFO. At first, he saw a glimmering gold star in the sky; then, the object quickly drew closer and turned into a cube lit with bright lights. The object hovered about five minutes over the man and then whizzed to the south-east.

[http://english.pravda.ru/science/19/94/378/14170\\_cloud.html](http://english.pravda.ru/science/19/94/378/14170_cloud.html)

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*The views expressed in Pegasus are those of the articles' authors and are not necessarily those of the editor, or of SIGAP.*

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