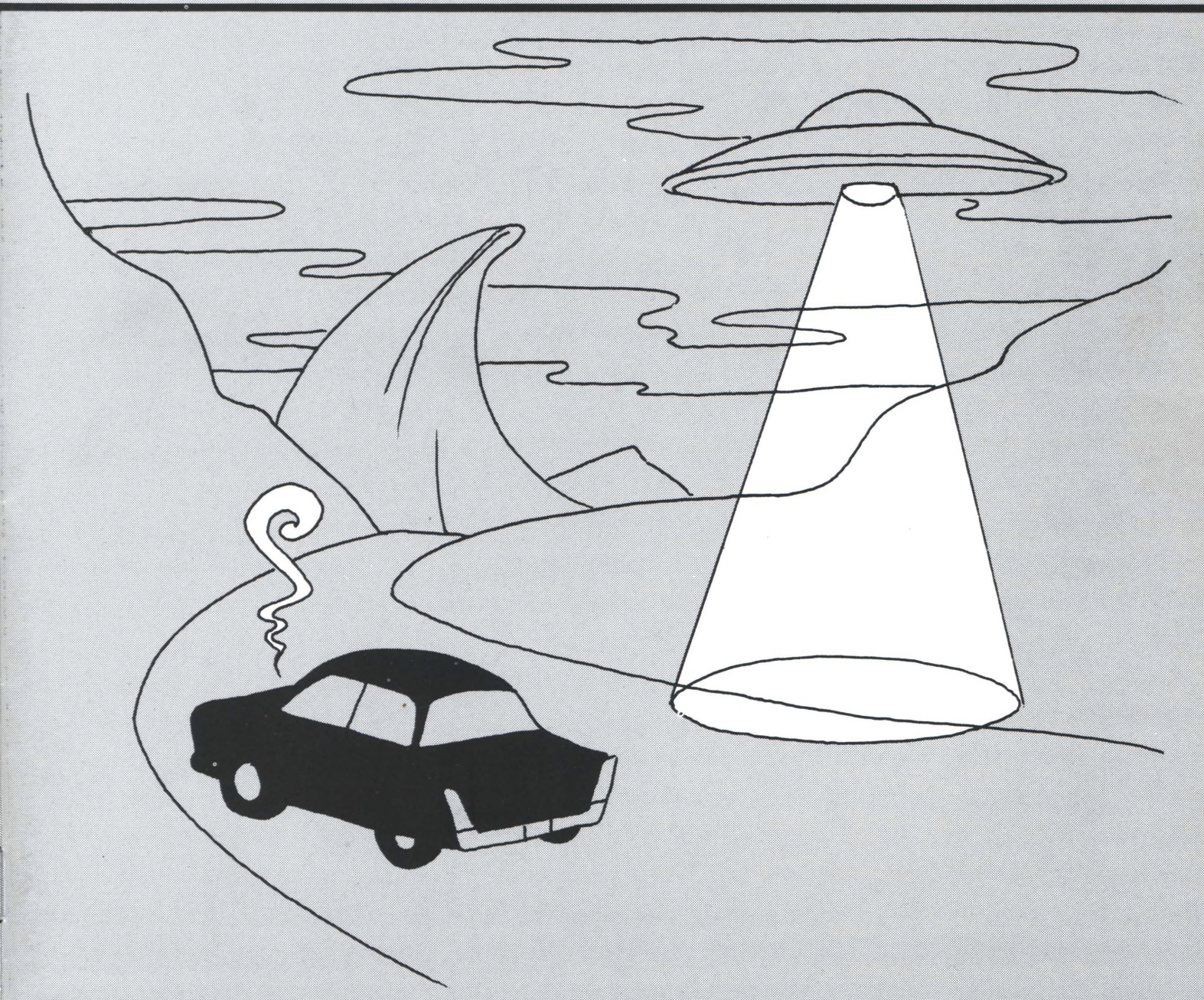
Pursuit

'Science is the Pursuit of the Unexplained'



Journal of SITU
The
Society for the
Investigation of
The Unexplained

Artist's concept of automobile engine stalled by UFO. See "Self-Starting Engines, UFOs and Higher Dimensions," page 106.

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The Society For The Investigation Of The Unexplained

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THE QUARTERLY JOURNAL OF THE

Pursuit®

SOCIETY FOR THE INVESTIGATION OF THE UNEXPLAINED

'SCIENCE IS THE PURSUIT OF THE UNEXPLAINED'

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Cover drawing by Dale Drinnon

I witnessed a press photographer, disgruntled (negatively vocal) about his assignment to capture on film an alleged ghost phenomenon, who could not understand why all his film was "blank." He rationalized the problem as being a camera malfunction but could not explain the similarly affected, unused rolls in his camera bag.

How does the observer affect the investigated phenomenon? Does an attitude alter recordable data?

John White, in his article, is explicit in his opinion. Regarding a so-called poltergeist the Smurls have searched several avenues to explain the occurrences they have witnessed. The people witnessing UFO effects on vechicle motors have no single opinion. But no one opinion has changed the fact that the motor stall was caused by a UFO. Dr. Berthold Schwarz, with a positive attitude, meticulously records on video and audio tapes psi phenomena that, he feels, are continually reproducible.

The observation of the event gives us a parameter that must be considered in the reported result.

What role does the observer play in any event or occurrence?

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Consciousness Research and Planetary Transformation

by John White

In 1973 I was director of education at The Institute of Noetic Sciences in California. The institute had been set up by Apollo 14 astronaut Edgar Mitchell to study consciousness and human potential, and apply the findings to planetary problems. Because we were highly visible in the media, we began to receive communications from many people who felt they had psychic information about impending global disasters. At that time, you may recall, there was a widespread rumor that the West Coast was going to experience a terrible earthquake and a large portion of it would slide into the sea.

This rumor was probably due to the psychic readings of Edgar Cayce, the "sleeping prophet." In the 1930s Cayce had foretold certain global processes he called "earth changes." These changes were to include terrible earthquakes, volcanic eruptions, and the rise and fall of land masses. They would begin in the second half of this century and increase in intensity, culminating at the end of the century, in what Cayce described as "the shifting of the poles." Other readings by Cayce indicated that this shift of polar positions would be devastating. These predictions had permeated the psychic community over the years, and had set up the expectation of terrible global destruction.

Some people came to the Institute with messages of that sort. The people were well-intended and simply wanted us to alert the world. I listened sincerely to all such warnings, but it wasn't our function to warn the public — civic officials do that — so I turned down all requests for help in publicizing forecasts of earthquakes, UFO landings and so forth. It proved to be the best policy because in all cases the predictions were wrong.

Nevertheless, my interest in precognition and psychic forecasting remained high, especially with regard to what is called "pole shift." According to theory, a pole shift is a sudden and cataclysmic movement of the planet in which it flips end over end in space (as much as 180°) or — in the view of some pole shift theorists — the crust of the planet slips around the molten core (up to 90°). In either case, the result is said to be worldwide destruction.

One of the people who contacted the institute was Dr. Jeffrey Goodman, author of *We Are The Earthquake Generation.* Goodman is both a geologist and an anthropologist. He was researching the subject of earth changes by using a team of psychics to compile data about geophysical and societal changes over the next several decades. Goodman's purpose in contacting the institute was not to make a warning, but just to share some of his research findings.

The composite picture that emerged from his analysis of the psychic predictions was startling in three ways. First, there was a surprising amount of agreement among the psychics, even though they didn't know each other or what each had said to Goodman. Second, the composite picture foretold worldwide changes in the geography and climatic zones of the globe that would be almost instant, geologically speaking, and thus would be catastrophic. (Imagine a tropical climate being imposed overnight on the Arctic and vice versa.) Third, Goodman found that the predictions could be scientifically supported to some degree.

These changes, his psychic forecast said, would begin in the late 1970s and would build in intensity and frequency. There would be increasingly erratic, freakish weather. There would be great loss of land in some areas through submergence and inundation, while in other areas new land masses would rise above sea level from the vast expanse of the world's oceans. All this would coincide with radical economic and political changes in society, population shifts and a general period of disorientation and suffering for civilization, including terrible loss of life.

The final event in this scenario of earth changes would be a pole shift. According to some of the predictions, within a single day's time the entire planet or its crust would change position in space, so that the polar positions would be shifted and relocated.

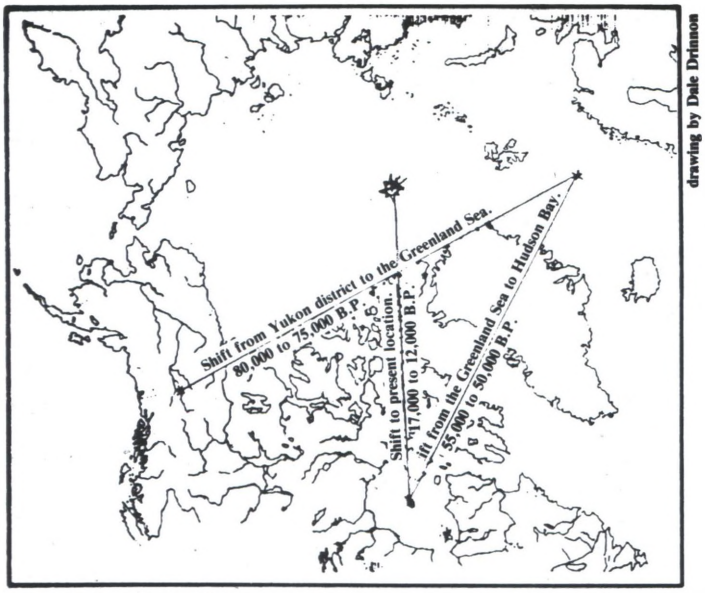
What would result from a pole shift? Global cataclysm. Enormous tidal waves would roll across the land as the oceans became displaced from their basins. Hurricane winds of hundreds of miles per hour would sweep over the planet. Earthquakes greater than have ever been measured would wrack the land. Volcanic activity would pour out huge lava flows, along with poisonous gas and choking ash. Climates would change almost instantly. Land masses would rise and fall, altering the face of the globe. And if the shift were less than 180°, the polar ice sheets, moved into the temperate or tropic zones, would melt rapidly — within a few hundred years — while new ice sheets would begin to build at the new polar locations. Last of all, large numbers of organisms, including humans, would be decimated or even exterminated, with signs of their existence hidden under thick layers of debris and sediment or at the bottom of newly-established seas.

Has this ever happened? Might it happen again? That's what I became interested in exploring. Goodman seemed to have earth-changes research well in hand, except that the question of pole shifts needed much deeper study and no one seemed to be doing that. So, out of intellectual curiosity and humanitarian concern, I decided to take on the job.

In the course of six years, I gathered a large amount of data that pointed strongly toward an affirmative answer to the questions I just asked. The data came from three sources: ancient prophecies, contemporary psychics and scientifically-oriented researchers. Although their predictions and prophecies about a pole shift have many points of difference and even disagreement, they are almost unanimous in declaring that Planet Earth is going to experience a pole shift in the near future — at about the end of this century.

I'll briefly describe the sources of the predictions and prophecies; they are available in my book *Pole Shift.*

First, the ancient prophecies I identified include the Bible, Hopi Indian and other Native American prophecies, Nostradamus and several occult traditions claiming to have their roots in the lost civilizations of Atlantis and Lemuria.



Path of the North Pole, according to Charles Hapgood. B.P. means "before present."

Second, the contemporary psychics include Edgar Cayce, who seems to have set the baseline for this topic in the psychic community. But other psychics also claim to have independently foreseen a pole shift. These include Jean Dixon, Ruth Montgomery, the Rev. Paul Solomon, founder of the Fellowship of the Inner Light, and Aron Abrahamsen, a psychic in the state of Washington. There are many others.

Last of all, a handful of scientifically-oriented researchers claim that pole shifts have happened before and that another is nearing. (The late Immanuel Velikovsky is the most notable in this group. However, he did not predict another one, and when I interviewed him he told me that he was skeptical of those who do, although he accepted the reality of ESP.) Albert Einstein also endorsed the idea of pole shifts, both past and future, in his introduction to a book on the subject entitled *Earth's Shifting Crust,* written by the late Prof. Charles Hapgood. More recently, the prestigious *Journal of Physics* carried a long article in 1978 by Peter Warlow, a British theoretical physicist, who discussed the evidence for previous pole shifts and proposed a mechanism to explain them. He did not predict another one, though. In 1982 he presented his position in a book, *The Reversing Earth.* About the same time, a Swedish theoretical physicist, Stig Flodmark, presented a long paper at the European Geophysical Society's annual meeting in which he, like Warlow, proposed a mechanism for explaining pole shifts. Unlike Warlow, however, Flodmark predicted that the planet *is* nearing the moment when another pole shift will occur in as little time as a single day.

The evidence suggesting previous pole shifts is dramatic but controversial. It comes from geology, astronomy, archeology and physics. It includes flash-frozen mammoths in Siberia and Alaska, including the famous Berezovka mammoth which was found with undigested summer vegetation in its mouth and stomach. The evidence also includes coral reefs in Alaska; fossils of jellyfish and raindrops; well-preserved trees, thousands of years old, frozen under the treeless Arctic tundra, some with fruit and leaves still on them; glacial striations in rocks near the equator that show a movement *toward* the poles; sudden reversals of the earth's magnetic field; animal extinctions correlated with ice ages; ancient maps of Antarctica, showing it free of ice, which were drawn hundreds of years before it was officially discovered in 1820. Still further suggestions of pole shifts are found in the myths and legends from cultures around the world that tell of global floods, lost civilizations, and reversed celestial orientation of the earth. The pole shift concept appears to offer a unifying explanation of these diverse and enigmatic data, along with geological puzzles such as the question of the driving force behind continental drift and what caused abrupt climatic changes in prehistory.

There is a case *against* pole shifts, of course. I present that also in my book, though only briefly, because it was the starting point from which I began — namely, the widespread assumption that our planet has not undergone any pole shifts and, by the "laws of nature," cannot. With that as the conventional view of the matter, my role was that of a journalist raising questions, not a scientist giving answers. I conducted my investigation not as a true believer but as a skeptical and curious inquirer. To foresee a possibility is not the same thing as to expect it. As I pointed out in my book, *presenting* the case for pole shifts is not the same thing as *proving* the case. I did not personally predict Doomsday via a pole shift; I only advocated an open-minded examination of the pole shift scenario. But when I went to scientists for answers, I was often appalled by the ignorance and prejudice I found. There is a tremendous resistance in the scientific community not simply to the concept of pole shift but to merely *considering* the concept.

Nevertheless, because the pole shift concept apparently can clear up a host of scientific mysteries, and, more important, because a pole shift could theoretically destroy civilization, I felt it necessary to raise questions, in hope of encouraging responsible research and dialogue on a subject that is potentially momentous. Many of the questions that prompted me to present the case for pole shifts are still unanswered. And while new objections have been raised against the notion, new evidence of sudden earth reversal has also come to light.

From a scientific perspective, therefore, the debate about pole shifts is far from concluded. There are many aspects of the concept that need deeper examination than I've been able to make. The foremost ones are:

The ancient maps of Antarctica. Charles Hapgood summarized the subject in his 1979 edition of *Maps of the Ancient Sea Kings* by saying, "The maps in this book show that an ancient advanced culture mapped virtually the whole earth [about 15,000 years ago or more], and that its cartographers mapped a mostly deglacial Antarctica..." (p. 239). This research has never been refuted — only ignored.

The frozen mammoths. Evidence suggests most strongly that the famed Berezovka mammoth died suddenly of asphyxiation in late summer in a temperate climate and that it was frozen by the imposition of temperatures in excess of -150°F in ten hours or less. Contrary to popular belief, the mammoth was not an arctic animal. It lacked the sebaceous oil glands that all cold-adapted land animals have to lubricate their skin and thereby prevent death by dehydration. Moreover, the arctic could not possibly supply enough vegetation to support vast herds of these herbivores. One mammoth required several hundred pounds of vegetation daily. Yet mammoth skeletons litter the tundra by the hundreds of thousands.

Ice ages. If slow and regular changes in the orbital geometry of the earth are the cause of ice ages, as conventionally claimed, what explains the following: first, the extremely

rapid appearance and disappearance of continent-sized ice sheets; second, the vast epochs — each several hundred million years long, far exceeding the alleged periodicity of the ice ages — in which the planet was free of polar ice sheets; and; third, the fact that the North American ice sheet during the last ice age was centered in Hudson Bay while the north polar area — as presently located — was virtually ice free?

Anomalous ice striations. Continental drift cannot explain all anomalous glacial striations in bedrock. Those in South Africa show a direction of movement toward, not away from the South Pole.

Trigger mechanisms. Perhaps the most important question of the pole shift concept is this: what conditions might bring about a pole shift? Various trigger mechanisms have been suggested. Some are natural, some are human in origin. Among the former are astrophysical/extraterrestrial factors external to Earth such as a rare planetary alignment that will occur in the year 2000, and celestial bodies such as comets, asteroids and miniature black holes that pass close to the Earth or even collide with it. Natural geophysical factors have also been suggested, including the increasing mass of the Antarctic icecap, and upwelling convection currents of magma from deep in the planet that might cause a crustal slippage.

It is the human element, however, that many of the predictions and prophecies say will be of critical importance in triggering or preventing a pole shift. In essence, the predictions and prophecies say, the state of consciousness among people will determine the outcome of the approaching global crisis. This will be the final factor that influences the matrix of geophysical and astrophysical factors operating to stabilize Earth in space.

Let's consider the situation in more detail to see what the relationship between planetary safety and human consciousness is said to be, as described by esoteric psychology.

All the world's major spiritual traditions tell us that free will operates in human affairs and that we can influence the outcome of events through the application of our physical, mental and spiritual resources. The predictions and prophecies described in *Pole Shift* largely agree with this, although a few say that a pole shift is inevitable.

Now, from the esoteric point of view, the purpose of prophecy is to warn people against the consequences of certain kinds of action. Dire prophetic words are spoken by a prophet to awaken people to their erring thought and behavior. By setting people into a new course of action, the prophet either diffuses the disaster-in-the-making or else causes people to prepare for it sufficiently far in advance so that death and destruction are minimized. The people's new mode of behavior eventually proves the prophecy wrong — which is exactly what the prophet wanted in the first place!

The mechanism by which consciousness modifies a set of circumstances has been described by some of the psychics as "thought forms." The term and the concept behind it come from esoteric psychology and metaphysics. The concept says there is a mental or psychic energy as an intermediate substance between matter and consicousness. From this perspective, thoughts are things — real but nonphysical energy configurations, produced by human consciousness — and they exist objectively in space outside the human beings who produce them. A thought form is the energetic embodiment of the idea on which a person dwells, consciously or otherwise, and it takes on an existence external to and independent of the thinker. By a process of which official science knows little, our thoughts, as a poet put it, "take wings."

In other words, when we think or focus our attention in a goal-directed way, the experience of thinking is not simply electrical activity within the neural pathways of the brain, nor is it confined to the limits of the cranium. Research into extrasensory perception suggests a fifth force in nature which is beyond the four known physical forces. It is a metaphysical or mental force — a psychic force. The question then arises: What becomes of a thought *after* it has been thought? Does it simply disappear, vanish?

Apparently not. From the point of view of psychics, metaphysicians, occultists, true magicians, shamans and so on, thought activity extends beyond the physical body, partaking of a "field of mind" surrounding the planet and extending into space for an unspecified distance. The mind field is composed of the collective experience of the human race. That is, our thoughts, feelings and actions are somehow impressed or encoded into the field of mind energy, creating thought forms. Untold numbers of thought forms over millions of years have been contributed by the human race to the planetary field of mind.

Moreover, thoughts of a similar nature tend to coalesce over time and gather into what could be called "thought fields." These thought fields are equivalent to what psychologist Carl Jung called an archetype, which is a nonspatial, nontemporal repository of a certain basic human experience. The totality of thought fields, or archetypes, constitute an "atmosphere" of thought energy that extends through our planet's physical atmosphere and beyond, and can be understood as what Jung called the collective unconscious. The concept I am presenting here can explain in quasi-scientific terms how it is that people everywhere have access to archetypal experience, as Jungians and other schools of psychology claim. It is simply because we are all immersed in the collective unconscious mind field, which is suprapersonal.

Mind energy interacts with the physical energy matrix sustaining the planet in space, and can influence it, subtly but directly, in either a positive or a negative fashion, depending on the vibratory quality of thoughts arising from the human level. Harmonious, loving mental states are said to produce a stabilizing effect on the planetary matrix of physical energies; disharmonious, hateful thoughts result in a destabilized matrix.

This mind-matter interaction is a two-way process. People can "receive" from the planetary mind field or collective unconscious, as well as "give." For example, certain universal or primordial images and symbols have been perceived by people in dreams, meditation and other altered states of consciousness, regardless of race, sex or culture. As another example, consider how a new idea or discovery often appears almost simultaneously in several separated locations, apparently as "fallout" or "precipitation" from nonphysical levels of reality to the physical.

Goodman coined a term for the psychokinetic process by which human thought forms influence the total energy pattern of earthly life. He calls it *biorelativity,* the interaction of people with their physical environment via psychic, or mind, energy. The Hopi rain dance is an example. In *We Are the Earthquake Generation,* he says, "Since energy can be neither created nor destroyed, the energy of thought, psychics say, is still in existence as a sort of atmosphere or field surrounding the planet, recording all the experience of humanity. This is the so-called 'akashic record' which Cayce and other psychics claim to 'read' when they obtain paranormal information about the past."

Thus, from the point of view of the psychics in Goodman's research team, the influence of our minds and our basic state of consciousness is there all the time, inevitably affecting the total Earth-organism, for better or for worse. The important question, then, is not *whether* we are going to affect it but *how* we are going to affect it.

In that regard, the predictions and prophecies say, virtuous living and respect for the planet will infuse Earth's energy matrix with powerful stabilizng influences. Prayer is a familiar form of this influence. It is no coincidence that psychic and spiritual traditions declare the efficacy of selfless prayer as a psychospiritual tool or resource. Prayer adds constructively to the mindfield of Earth.

Even better still would be the development among people of a steadily-focussed consciousness that recognizes the mutual dependence humanity and the cosmos have upon each other as co-creators of our joint destiny. Such a loving state of consciousness — which can properly be called a sense of conscience — would constantly govern our thoughts and acts in a life-enhancing way.

Spiritual traditions warn that we shall reap what we sow. Esoteric traditions and psychical research offer an explanation of how and why this must be. Hatred, anger, greed, fear and other negative character traits and qualities of mind can affect the total process of energy activity on and around the planet. The many "crimes against nature" that people are perpetrating — such as overpopulation, environmental pollution, wasting of nonrenewable resources, and nuclear testing — along with "crimes against humanity" — such as war, economic exploitation, and the imposition of inhumane living conditions, religious persecution, political abridgement of human rights, intolerance and bigotry toward minorities, and so forth — are all pouring negative thought forms into our planet's energetic foundations. The result, the predictions and prophecies say, will be geophysical cataclysm in the form of violent earth changes and a pole shift as the Earth-organism seeks to restore balance in the system.

Thus, from the point of view of psychic, prophetic and spiritual traditions, rather than saying we will be punished *for* our sins, it would be more accurate to say we will be punished *by* our sins. The law of karma, or cause-and-effect, is a stern one, so if there is global devastation in the future, we will have no one to blame but ourselves.

If a pole shift destroys civilization, some people will survive, according to the predictions and prophecies. The great loss of life will open up niches in the environment for new life forms to emerge. Those who are most deeply attuned to cosmic processes will become the seedbed from which it is said a new race, a higher humanity will evolve in accelerated fashion. The new race will know from first-hand experience what the terrible consequences are for failing to "walk in balance on the Earth Mother," as Native Americans say. The new race will know how to live in harmony with cosmic processes and will inherit the Earth. (Incidentally, I do not believe that global destruction is necessary for such an evolutionary advance to occur.)

It is an awesome vision that emerges from the study of pole shift data. Religious and psychical themes blend intimately with scientific and sociological ones. The subject is vast and requires the most careful scrutiny. Great care must be taken not to draw premature conclusions that could lead either to panic or to relaxed vigilence. Worst of all, however, would be total disregard of the subject. The stakes may be nothing less than the life or death of society and the outcome may depend on human consciousness.

That is why I say that a pole shift is not inevitable. The possibility of it is influenceable by our manner of living and thinking. Some people fearfully watch the poles to detect the slightest movement. But if we are soul watchers rather than pole watchers — in other words, if there are people changes for the better, earth changes for the better will follow. We must change our consciousness from self-centered to God-centered living and recognize that there is a benevolent wisdom governing the universe, including us. You see, there are no problems — there are only situations. Problems don't exist in nature. Only situations do, only sets of circumstances. It is the human mind that projects attitudes and values onto those situations and labels them as problems. But that label doesn't describe what nature is doing. It describes the state of mind of the human who labelled the situation.

Problems are a reflection of your state of mind — a state that is based on fear, laziness, an unwillingness to change or to flow into new areas of experience. But change your attitude and suddenly there are no problems. Now that same situation becomes an exciting challenge, a set of circumstances in which you can learn and deepen your experience, your understanding, your familiarity with the unknown. New values come into mind and are projected onto the situations so that what was once seen as a problem now becomes a fortunate chance for growth and discovery.

A pole shift may not happen. But even if it does, we don't have to see it as a problem. We don't need to dwell upon it as a source of fear and destruction. Prudent, practical survival preparations can and should be made, but our primary task is to attune ourselves with the life processes of Earth and thereby understand that, if we are the end of a cycle, we are being given an opportunity to profit from it in order to grow, to evolve, to begin again on the basis of deeper understanding and wider vision.

So remember the biblical wisdom: to be not anxious about the morrow, but rather to consider the lilies of the field which are arrayed in glory and are tended by a loving providence who tends you every bit as well. To the awakened mind, every experience is a blessing, even situations that are commonly labelled misfortunate or even tragedy, disaster, catastrophe, cataclysm. The attuned consciousness will receive all its needs, and more, from a loving universe whose whole purpose is to nurture the evolution of organisms such as us to a higher state of being.

I'll end with a brief story. One day Mr. Plague was talking to the Keeper of the Akashic Records when he remembered that he had an appointment at a distant city. So he broke off conversation and rushed to keep his appointment. Now, the Akashic Records are a record of everything that happens to humanity, so when Mr. Plague returned from the distant city, the Keeper of the Akashic Records asked him how many people had died on his mission. Mr. Plague, wanting to be accurate, replied, "Five thousand died due to me and ten thousand due to fear."

Thing about that. According to the predictions and prophecies, we are approaching one of the most critical junctures in the history of our planet. Will there be destruction or transformation to a new world order based on love and wisdom? The choice, they say, is ours.

This report was prepared by John White for Symposium '86 sponsored by The Light Ages Foundation, Inc.



Paranormally Linked Sealed Rings

Berthold E. Schwarz, M.D.

The paranormal linking of seamless rings could be one of the most conclusive and rare forms of psychical phenomena. One of the most famous examples was the linkage of different woods supplied by Sir Oliver Lodge[1] back at the turn of the century. This subject is reviewed and brilliantly researched by W.E. Cox[2] in his chapter, "Matter Through Matter II: The Linkage of Seamless Rings." In painstaking detail, he describes sequential motion picture camera filmic evidence for ring linkage and unlinkage of various materials. His experiments pertain to the SORRAT[3] group at Rolla and Skyrim Farm, near Columbia, Missouri.

For the past six years, Dr. John Thomas Richards, of SORRAT, and I have corresponded on various psychical research matters. We met briefly at a Spiritual Frontiers Fellowship[4] conference at Madison, Wisconsin, in 1982. Also Rev. Phil Norvell, in early December, returned some sealed jar specimens that I had originally sent to Rolla and which Dr. Richards took to Skyrim Farm on October 14, 1985. It appeared that most of the seals on the returned jars were intact[5] and that there were diverse effects on the contents in the interiors of the jars: i.e., articles that were not there originally were now present; some original items had disappeared and, in some instances, there was writing on various cards placed in the interior of the jars. In one instance, a postal card was removed (teleported?) from the sealed jar and mailed on October 14 (postmarked October 15) with a supposedly paranormal message written on it. Other effects had taken place at Skyrim in late October.

With these cascading presumed psychic effects in mind, my wife, daughter and I went to Rolla on December 13th and Skyrim on December 15, 1985. While at Skyrim, in addition to experiencing an assortment of unaccountable "soft" data, including rappings in disparate locations and at different times, table tilting and levitation, and extensive vibrations of a dark room, I attempted "hard" data experiments using carefully sealed jars and other specimens that had been earlier sent to Rolla and which I brought to Skyrim on December 15, 1985.

When in Rolla, Dr. Richards showed me allegedly paranormal writings by the entities, copies of which had been sent to him by Miss Kanai Callow of Buena Vista, Colorado. In response to one particular question, posted by a metallurgist, "When will you link the two metal rings?", the presumably paranormally inked script answered, "We shall link these rings soon, within the 20th century. The sooner they are at Skyrim, the sooner we can link them *and keep them linked*." In response to, "Will you link the rings at Rolla or at Skyrim farm?," the answer was, "We shall link the orange ring to the black ring at Skyrim Farm. Have Tom Richards take them there, *very soon*."

Mrs. Alice Thompson, daughter of the late eminent Dr. John G. Neihardt,[6,7] the founder of SORRAT agreed to meet us at Skyrim on Sunday night, December 15, 1985. When we arrived, matters proceeded harmoniously and Mrs. Thompson was most gracious and vivacious in welcoming us and letting us bring in the aforementioned experimental sealed jars, other specimens and the unlinked black- and orange-painted metal rings. In addition to the Richards', my wife, daughter and myself, George Andrews, a writer who had attended three previous SORRAT sessions at Skyrim, were also present. Joseph F. Mangini, the primary medium in the group, joined this session after it was in progress. Alice Thompson told us several things about her late father and other relevant psychical incidentals.

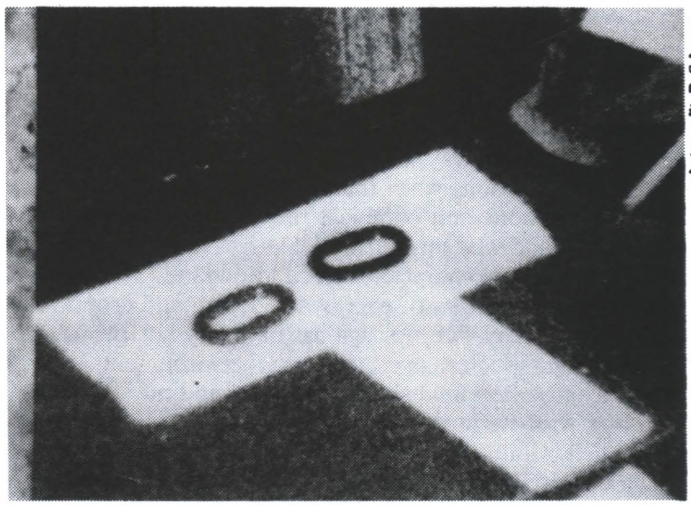


photo credit, B. Schwarz

Figure 1. Unlinked orange (left) and black (right) rings in sealed plastic container.

The orange- and black-painted, unlinked metal rings were prepared and photographed by a metallurgist who had placed them in a sealed plastic bag which was stapled together. Four round blue adhesive stickers were attached to the bag over the staples to prevent their removal, and presumably had the metallurgist's fingerprints on them. The sealed, unlinked rings were examined by the participants in the experiment and photographed by Dr. Richards and myself (Figure 1). The scientist who prepared the unlinked rings affirmed that they were of a privately known, unique steel and trace element alloy. Each measured 3.2 cm. by 2.1 cm. and were 4 mm. thick. The scientist insists on his anonymity. If, therefore, it can be assumed that 1) these were not "trick" rings capable of spurious linkage in a way that the participants and other trained observers, including engineers, inventors and magicians are not familiar with; and 2) that the sealed bag with these specific items contained the original ones that were prepared for the experiment and that they were not in any way substituted by fraudently pre-linked rings by one, some, or all of the participants, then any possible linkage of the rings could be considered paranormal.

What Happened?

At approximately 9:40 p.m., we placed an aluminum television table in the center of the group. Alice Thompson sat on the east side of the table. Clockwise from Alice Thompson were Elaine Richards; her husband, Tom; George Andrews; myself; my daughter, Lisa; and my wife. (Joe Mangini joined the session after it was in progress.) The lights were turned out and after some raps indicating the presence of alleged communicators, the sealed, unlinked rings were placed in the

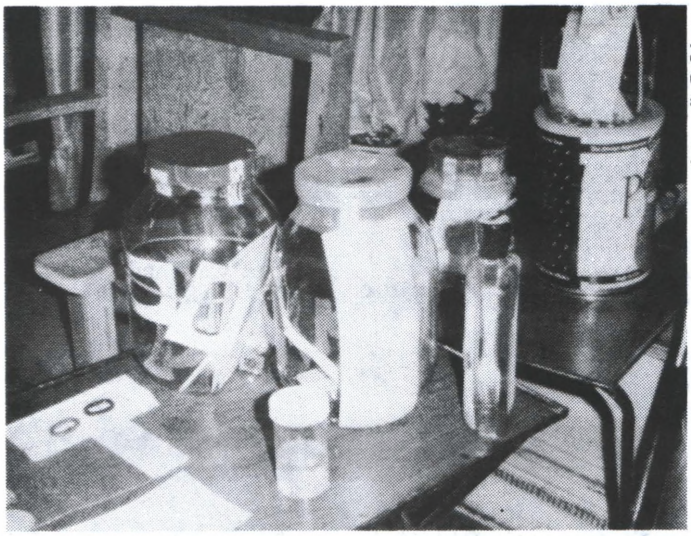


photo credit, B. Schwarz

Photograph of objects on aluminum tray table prior to psi experiment.

center of the table in compliance with the statement by the raps that linkage was possible. The table moved in different directions, sometimes violently. Alice Thompson made several comments that I could not always clearly understand. Then she suddenly shouted, "They're linked!" She palpated the now-linked rings and then passed them around to each of us; we confirmed her impression. The lights were turned on. This was at 9:50 p.m. Indeed, the rings were linked. Dr. Richards and I photographed them (Figure 2). We did not discern any other effects in the various specially prepared sealed containers.



photo credit, B. Schwarz

Figure 2. The now-linked rings still in sealed container.

The metallurgist who prepared the rings and who had questioned the alleged entities was subsequently informed about what had happened. (He still prefers to remain anonymous.)

Mrs. Thompson, Joe Mangini, and Dr. and Mrs. Richards felt that the successful result could be chiefly attributed to the harmony and emotional dynamics of the group. This fascinating aspect, as well as the detailed presumed psychic dynamic factors for the individual experiments and other factors in the psychic nexus, could obviously be further explored and could be one of the key prerequisites for successful experimentation.

In conclusion, it would seem that successful paranormal linkage of sealed metal rings is a fact. The implications of this event are enormous and they touch upon many scholarly disciplines, including relatively unexplored possible biological-medical aspects. This area of experimentation could be a rich one to study, with possible practical applications.

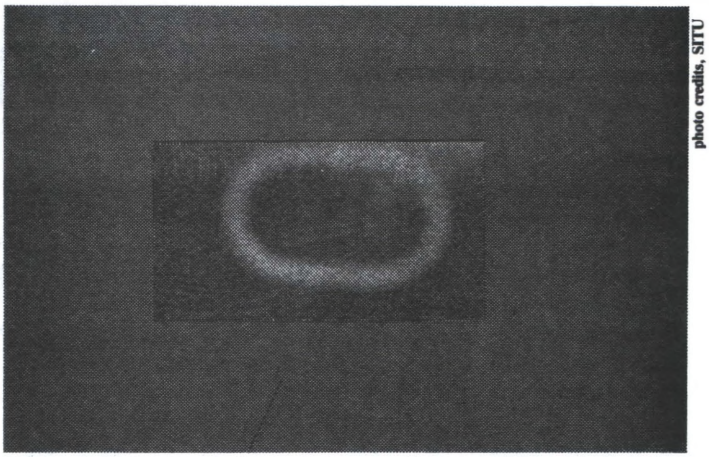


photo credits, SITU

X-ray of single orange ring.

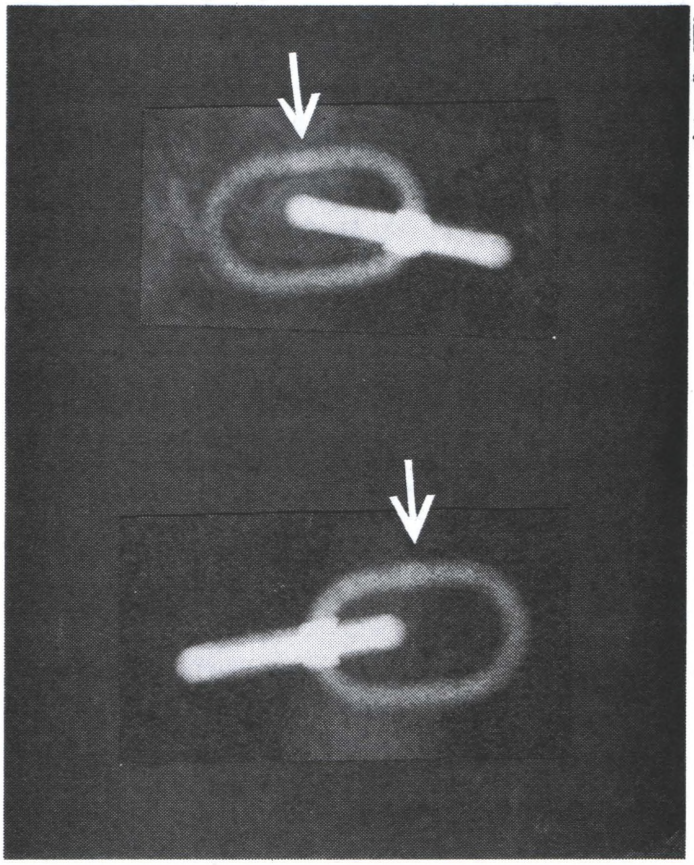


photo credits, SITU

In both x-ray pictures the orange ring is on the left but turned 90° — arrow indicates weld.

SITU had both linked and single rings x-rayed at various intensities of radiation and the pictures examined by a professional metallurgist. He indicated the rings were solid metal, and the weld complete and solid as well.

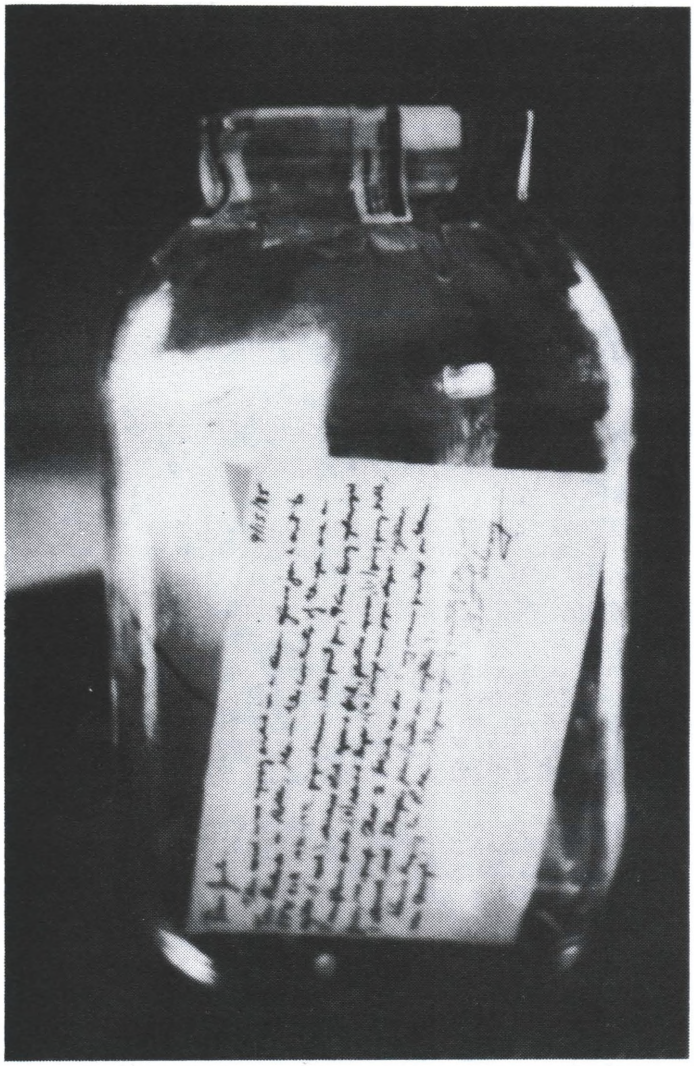


photo credit, B. Schwarz

Ref. 5. Epoxy-sealed and labeled glass gallon jar prior to experiment sent on Sept. 15, 1985.

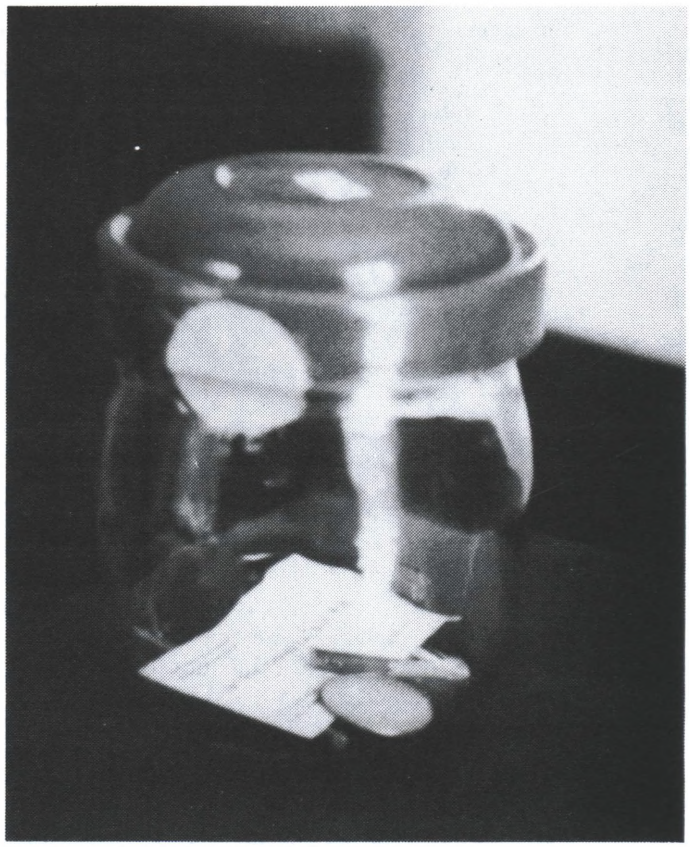


photo credit, B. Schwarz

Ref. 5. Smaller glass jar before experiment.

References and Notes

1. Rickard, Robert and Kelly, Richard: *Photographers of the Unknown;* Book Club Associates, London, 1980 (pages 130-131).
2. Cox, William Edward: unpublished manuscript on SORRAT (Chapter "Matter through Matter, II: The Linking of Seamless Rings").
3. Richards, J.T.: *SORRAT: A History of the Neihardt Psychokinesis Experiments, 1961-1981;* The Scarecrow Press, Inc., Metuchen, New Jersey 08840, 1982.
4. Uphoff, Walter H. and Mary Jo, Editors: *New Frontiers Center Newsletter,* Fall, Winter, 1982, Vols. 3 and 4.
5. In August, 1985, I sent an epoxy-sealed and labeled glass jar to Dr. Richards containing a postal card, a calling card, plus other items. Gross telekinetic effects might have taken place but, unfortunately, when the jar was returned to me it was smashed: judging from the sooty interior, there might have been an explosive combustion of a crayon stub. Therefore, on September 15, 1985, I sent Dr. Richards two newly prepared epoxy-sealed jars with printed name and colored gummed labels attached and covered with Duco cement. An addressed and stamped postal card to a psychiatrist in a far-off city was included. The gallon jar was tightly covered with a metal lid containing four name and address labels and one "glass — handle with care" label spanning the top, side, interphase of the lid and glass jar. I wrote on the enclosed card the contents of the gallon jar: "J.F.K. 1776-1976 fifty-cent piece, pipe cleaner, ball point pen, 9 cm. long galvanized spike, (1 each) stainless steel spoon and fork, plastic spoon, (1) Ping-Pong ball, (5) sunflower seeds, (3) labeled keys, (4) vinyl-covered paper clips: yellow, brown, red, purple, also two blank cards with my name printed on them. One closed red SHARPIE pen (writes on anything)...Here's hoping the Skyrim agency-entity(?), etc. will come through! Bert Schwarz."

   The smaller glass jar with the orange plastic epoxy-sealed lid and three inscribed labels contained a fifty-cent piece, lead pencil stub and my daughter's calling card. Both jars were photographed.

   On October 5, 1985, Dr. Richards attempted a jar experiment in St. Louis with four SORRAT members present. Nothing happened inside the jar although, as he wrote, on the outside of the 1) small jar "one of your round [blue] seals came off in John Hunt's fingers [the other two seals — the green one and the 'glass — handle with care' one apparently were intact] and 2) (pertaining to the gallon jar) one of the small name tags came loose on one end. However, it is quite secure enough — there is no possibility of the jar lids coming off without leaving plenty of traces..."

   The contents of the jars were still unaffected until October 14, 1985, at Skyrim Farm where 11 SORRATs had gathered. Dr. Richards wrote on October 16th: "We left the jars in the living room when we held the session in the study. About 9:15, raps spelled out 'CARD—JAR—JE—MAIL—D.' Sue and I looked in the living room while the rest listened to further raps in the study, and found that the postcard was gone from the larger of the two Schwarz jars. We showed this jar to the rest of the group and then replaced it along with the Cox coffeebox and other test devices in the living room. About 10:10, and after more information raps and several periods when nothing significant happened, raps spelled out the words 'CARDS and LISA (BES's daughter).' We examined the smaller of the two Schwarz jars and found that the pencil stub had printed on Lisa's business card. Above her name it printed 'NEED YE SOMEONE TO TAKE THE GUILT FROM SIN?' Then came her name and degrees. 'Lisa Thyra Schwarz, B.A., B.S.N. and R.N.' Next the pencil had printed 'SWEET LISA HELPS YOU FROM THE PIT YOU'RE IN,' and, under that, 'AND CHEERS YOUR SOUL MORE THAN DOPE OR GIN.' It seemed to me that the entity had seen what was originally printed on the business card and made up three rhyming lines to match it, creating a bit of four line doggerel verse or worse."

   Dr. Richards in a later paragraph wrote, "When the postcard (formerly in the large jar) is delivered, if it did not go off to Never-Never Land to nobody at all, you should be able to verify this." The card was received by the psychiatrist in a far-off city on October 19th and he had it notarized. The alleged entity wrote in apparent response to my written comment, "Yes, in a sense of coming through this glass jar. But the skeptics still will not believe we exist. Shanti-JGN/Rector/J.K."

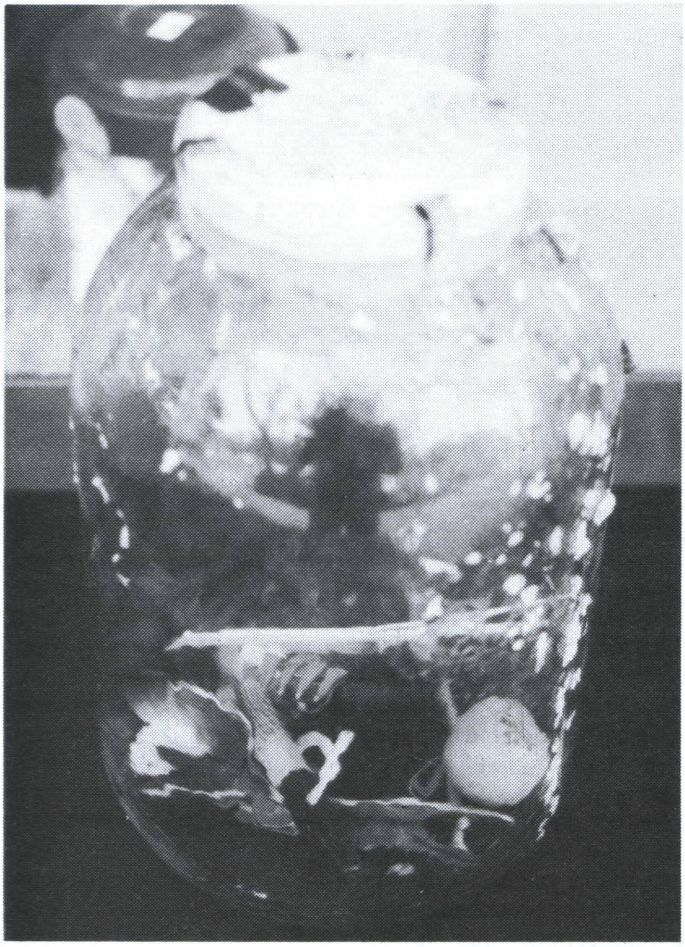


photo credit, B. Schwarz

Ref. 5. Same gallon glass jar as on opposing page after experiment.



photo credit, B. Schwarz

Ref. 5. Funny face on Ping-Pong ball after experiment.

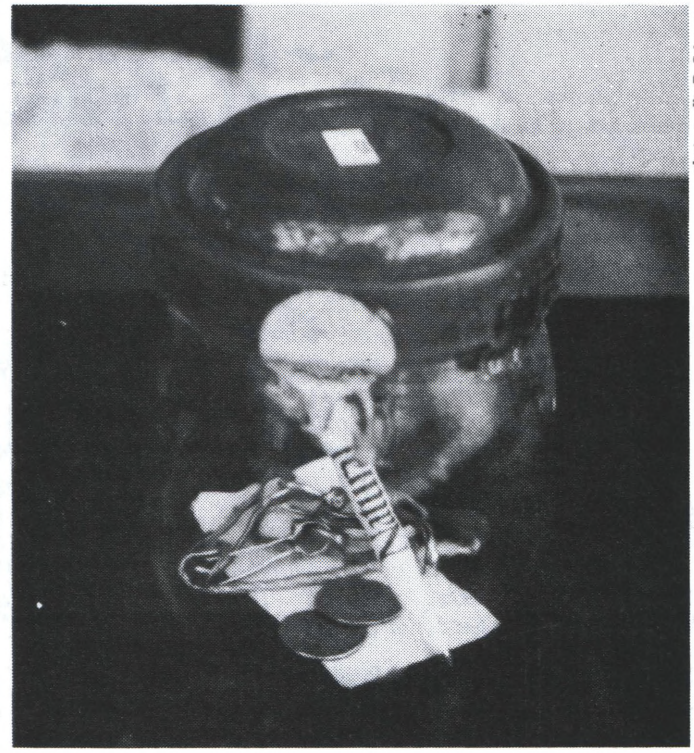


photo credit, B. Schwarz

Ref. 5. Smaller glass jar after experiment (note two quarters instead of half dollar).

In his letter to me, the psychiatrist naturally wanted "full details of the sealing and any other relevant information." Unfortunately, the "before" possible-telekinetic-effects photographs did not include close-up views of the seals. However, in his letters Dr. Richards supplied copious details about the seals, some of which as already described were loose, and the epoxy stickiness on the external surface of the large jar. The jars were mailed from Columbia, Missouri, on November 28, 1985, and when I received them on December 2, 1985, the lids were firmly attached and most of the seals were as originally applied. The seals that had become loose were easily recognized. Inspection with a magnifying glass and close-up photographs showed most of the seals intact. It was difficult to see how the lids could have been turned off and reapplied without someone being injured or without leaving evidence for tampering. In addition to the aforementioned changes in the bottles, the following effects were noted:

Small jar: presence of a Natura Lite ballpoint pen; 1 incense stick; 2 quarters instead of a fifty-cent piece; a bent galvanized nail; 3 key holders linked to a stainless steel key ring.

The gallon jar: stem of stainless steel spoon angle increased; funny face drawn on the yellow Ping-Pong ball; 'H' drawn on the stem of the opaque white plastic spoon; pipe cleaner twisted and inserted in chromium steel keyhole; yellow, red and purple paper clips linked together with three keys; brass key bent; 2 chromium steel keys bent; galvanized nail bent; fifty-cent piece missing; the one post card with my name had a printed inked message: 'DEAR BERT THIS PEN IS HARD TO USE;' the second previously blank card which faced this one had an inked egg-shaped structure with three flowing 'S's" intersecting the lower portion of the ellipse. The writing on the two cards which faced each other in the confined jar was not noticed until I wrote Dr. Richards on December 18, 1985 and I suddenly recalled his telling me in Missouri that he had received raps from the entities about this missed effect. How could he have known since he had few details of the effects?

In summary, the presumed telekinetic effects were unexplained. If fraud was perpetrated and all is spurious, it is hard to see how it could have been done in view of the described, and many more unreported, details. Hopefully, any objections to the sealing problems have been surmounted in specimens that are currently in Missouri and elsewhere.

6. Richards, J.T.: *Luminous Sanity: Literary Criticism Written by John G. Neihardt:* Concord publishing house, Inc., Cape Ginerdow, Maryland.
7. Richards, J.T.: *Rawhide Laureate: John G. Neihardt — A Selected, Annotated Bibliography;* The Scarecrow Press, Inc., Metuchen, New Jersey, and London, 1983.

Self-Starting Engines, UFOs and Higher Dimensions

by Luis Schoenherr

ABSTRACT

To date not much has been published concerning one of the most enigmatic features of UFO experiences, namely, the alleged self-starting of internal combustion engines without any action on the part of the driver. From the few publications and reports on the subject one gets the impression their authors basically tend toward two hypotheses: Self-start reports either do

- *not describe a real event but rather some sort of illusion or hallucination, or*
- *refer to a physically real process, which most likely will be explained someday in terms of electromagnetic interference, induction currents, atmospheric ionization, microwave effects or the like.*

In this paper I tentatively will examine a fundamentally different possibility: Could it be, that this self-start characteristic constitutes an indication, that the UFO phenomenon originates in or interferes with higher spatial dimensions, thereby creating within our three-dimensional space events which are, in principle, inexplicable in terms of conventional concepts of causality?

INTRODUCTION

There is a growing body of evidence, that in the vicinity of certain anomalous phenomena commonly called "UFOs" or "Flying Saucers," internal combustion engines cease to operate. Existing catalogues list at least one-hundred cases of this sort.[16,25] Among these cases there is a small subgroup where the self-starting of automobile engines — without any action on the part of the driver — has been reported. Depending on the rigorousness of the standards one applies, this subgroup amounts to 3 to 8 percent of the total of cases where UFOs have allegedly interfered with automobile engines at all. While in the earlier years of the modern era of UFO reports the number of reported self-starts was negligible, and could quite reasonably have been regarded as the result of erroneous perceptions or faulty memories, this interpretation becomes increasingly difficult today. McCampbell,[21] for example, accepts 27 cases taken from the Rodeghier catalogue as self-starts and Falla[16] lists a comparable number of such cases in his compilation. I have been following the developments in this field for years and my own file presently comprises 54 cases of possible or probable self-starts.

There is no doubt that on close examination some of those reports must appear questionable. On the other hand, it could well be that, at times, some real cases of self-starts have been masked by the imprecise and vague wording of the reports. It must also be suspected, that the self-start feature, being quite offensive to common sense, is perhaps easily forgotten or repressed by the witness, or brushed aside even by an open-minded investigator.[28] Therefore, it could also well be that — even if there are dubious reports — the self-starting of engines may actually occur more frequently, than is indicated by published reports.

MATERIALS AND METHODS

1. Classification of Reports

The reports in my file can roughly be classified in two groups, consisting of descriptions in which the self-start

(a) occurred after the vehicle and its engine had come to a complete stop and where the self-start is explicitly mentioned in the report; or

(b) is not explicitly mentioned but the wording of the report is so imprecise that it remains an open question whether a self-start may have occurred or not, or is described as having occurred while the vehicle was still coasting, so that it is possible that the engine was cranked by the momentum of the vehicle, or may be questionable because there are, in the narrative(s) conflicting statements regarding this matter.

In my listing, all cases belonging to this second category have been flagged with the mnemonic "?SELF" in the text column.

Rather than reiterating all those case histories I will first give one example for each of the above groups. I think the examples chosen can be regarded as fairly representative. Other reports will be dealt with in some detail in the discussion section. Besides that, most readers interested in this topic will certainly be able to consult the majority of the sources cited in my list. For this purpose I have included a relevant bibliography as well as a legend explaining the signs and symbols used in my printout. (See pages 108, 109).

2. Sample Case Histories

(a) Long Prairie, Minnesota, USA — 23 Oct. 1965

A 19-year-old radio announcer named James Townsend was driving down Highway 27 near Long Prairie — the time was 7:15 pm — when, as he rounded a curve, he said, "all of a sudden my engine stopped, my lights went out and my radio stopped playing. I let the car coast and then I put on the brakes because I saw this thing in the center of the highway."

It was like a rocket ship. It was about 30 feet tall and about 10-feet in diameter. It was sitting on fins. Then I saw them. They were standing in a big circle of light under the ship."

I jumped out of my car and was going to try to knock one over but then they came at me. They came right up to the car. There were three of them." They looked like 303 cans. They had no eyes or anything. Just those tripod legs and those matchstick arms," extending from their bottoms and sides. Their color was kind of brownish-black. Townsend thought they had come from behind the [ship] because he had not seen them step out of it.

"They may have been robots," he told Clarke John Jansen of *Fate* magazine, "but they acted like creatures. I can't explain it because they didn't have eyes," he went on, "but they were looking right at me." For some moments Townsend and the beings "stared" at each other, the witness becoming increasingly frightened; "then they turned around and scooted under the ship. The light was so bright I didn't see where they went. Then there was a high-pitched humming sound and the ship took off straight up. It went up about a quarter of a mile, stopped for a moment and then disappeared. After it left, my lights on the car came back on and the engine started running. And I didn't touch it either. I just can't explain that. Then I heard my radio playing again."

Comment

Dr. J. Allen Hynek personally investigated this case via telephone and the local sheriff told him the witness had a good reputation. There were also physical traces found at the alleged landing site and a number of independent witnesses testified to the presence of an unknown object in the area. Hynek, however, did not file an official report and Blue Book closed the case without conducting an investigation. Also, it is not contained in Brad Steiger's list of Blue Book unidentifieds.

(b) Lake Huaypo, Peru — April 1972

"...It was near to 20:00 hours when just as they were level with Huaypo the four vehicles abruptly stalled and stopped. Worried by this outcome the four drivers, assisted by five to six persons stepped out of their cars to examine the engines and comment on what had just transpired. While talking they unexpectedly heard a slight humming sound coming from the north and soon after there appeared in the sky a disc. The silvery-blue object surrounded by an orange halo, had loomed up from behind the mountains and its diameter estimated by the witnesses was in the order of ten to fifteen meters. At full speed it flew obliquely and in a straight line towards the lake and diving, gradually submerged into the water. Curiously, following its submersion, the color of the water turned to the same orange tint as that of the object's color in the vicinity of the impact. Two or three minutes later the cars' engines came back to life, much to the relief of the spectators who were quite scared after their observation."

Comment

The wording could suggest a simultaneous self-start of all four engines without any action on the part of the drivers, but such an interpretation is, of course, by no means compulsive.

3) The Self-Start Phenomenon

In order to examine how the reported phenomenon may be related to higher dimensions and causality, I will take recourse to analogies and simple, two-dimensional drawings. The concepts on which my argument is based are anything but new. To my knowledge, however, it is here for the first time, that those ideas are applied to the self-start phenomenon.

(a) The Space-Time Continuum

In diagram #1 the y-coordinate shall represent all the dimensions of our three-dimensional space while the x-coordinate shall represent a fourth dimension or what we call "time." If the places occupied by a moving point or body at successive moments in time were entered in this diagram, we would obtain lines or curves of different shapes, depending on the velocity of the body.

The straight, horizontal line A for example would represent the track (in time) of an otherwise (in three-dimensional space) stationary, non-moving body. On the other hand B and C would depict the tracks of bodies moving with constant velocity (C moving slower than B) and D would be the track of an accelerating body (assuming a "time-flow" from left to right).

Theoretically such lines could be drawn for every atom, every elementary particle and the past, present and future states of the Universe could thus be depicted as an infinitely complex mesh or tissue of such lines. The German mathematician Hermann Minkowski (1864-1909), developed a geometry of four-dimensional space which served as the descriptive means for the laws of the Theory of Relativity. The tracks of the particles in this "Minkowski-Space" or space-time continuum were called the "world-lines."

It is this space-time continuum that is graphically represented in diagram #1. Our rendering is only simplified in that it doesn't contain many world-lines and in the reduction of our three-dimensional space to one direction, the y-axis.

(b) Substratum and Travelling Field of Presentation

About the time Minkowski was occupied with his four-dimensional geometry the then well-known British aircraft designer John William Dunne (1875-1949) pondered over the problem of the so-called precognitive dreams. He,himself,had had a number of such experiences whose details had been sufficiently impressive to convince him that, under specific circumstances, the human mind must be able to predict future events by a sort of direct perception as opposed to their prediction by scientific computations based on natural laws and a given initial state.

But this latter point doesn't concern us here. The important thing however is, that Dunne and others began to regard the world-lines not as mere mathematical constructs or particle tracks, but as the particles themselves, as four-dimensional threads or particle strings. Minkowski's space-time continuum thus became something physically real, independently of what one thought about reality at all. Dunne called it the "substratum."

According to Dunne, perception was accomplished via what he called the "field of presentation," a three-dimensional field related to the individual observer and travelling through the substratum parallel to the fourth dimension. Only what is covered by this field at a given moment — colloquially called the "present" or the "now" — three-dimensional observers, like us, can perceive at all.[3,5,8]

This concept is represented by diagram #2. The two axes y and x have the same meaning as in diagram #1. But the parabola drawn in no longer represents the track of a moving object, but the object itself, which has become a four-dimensional physical structure. The dotted vertical line F represents the travelling field, the arrow indicates the direction of its movement.

By analogy the substratum may be compared to a film

C O D A P POSSIBLE SELF-STARTS AUGUST 1986 PAGE 1

DATE	TIME	DU DIS SI PD PLACE, OBSERVER, SOURCES, (REMARKS) ..... >
44 - :	: : :	CA AUBERRY ;RO81
460607 0330	: 030 :	BR MANTIQUEIRA MTS,BAQUEIRO .BU7555?SELF
541014 EVEN	: 050 :	RF BROSSES/THILLOT .MI581 75?SELF*C72128
550717 MIDD	07 050 :	GB BEXLEYHEATH,FRY *F7643 0?SELF
571106 0540	: : :	CA PLAYA/REY,KEHOE .BO691 56
571208 1750	: 073 16	OK WOODWARD .VA69;RO81
590113 0700	03 700 :	PA PYMATUNING LAKE,COLLINS :LO6995?SELF
6010 :	: : :	WV MARLINTON,PRIESTLEY .C083142 (MONSTER,NO UFO)
620805 0145	: 300 25	RA ARMAS/PIRAN,ATILLI *F64411
640510 2130	: 020 15	RA RIOJA,DUGHETTI *C721212
650115 2200	: : :	NH ENFIELD *F66214;RO81
650816 0530	S5 : :	VA US-HIGHWAY 58 *F66210?SELF(A DOZEN AUTOS)
651008 0025	: : :	GB HEYTESBURY,RANDALL .SH67132?SELF
651023 1915	: : 10	MN LONG PRAIRIE,TOWNSEND *F66314.HY?8206
660109 :	: : :	RA CHASCOMUS,ALVAREZ *C731218?SELF
661015 0430	: : :	NJ SPLIT ROCK RES,SIMONS*S690648(DRIVER ABSENT)
6611 -2300	S1 015 05	BE LIERNU,GP *SO77065?SELF
6701 -1900	: : :	MN FARWELL,GALVIN :LO6825(CAR COASTING)?SELF
670213 2200	: : :	MT BIGFORK,THOMPSON :ST6840
670312-1900	: : :	SD MCINTOSH :LO6826(CAR COASTING BACKWARDS)?SELF
670321 NIGH	: : :	KS HILLSBORO,NEUFELD:LO6826:7645?SELF
670405-1945	: : :	PA JONESTOWN,DEMLER .VA69;RO81
671011 2000	: 100 :	CN ALDERSYDE,TIBBS :LO6833;RO81
671224 EVEN	: : :	AZ TUCSON ;RO81?SELF
680725 0200	: 035 :	RA PASTORA,SIVORI *C730811
690202 NIGH	: : :	RC CHILLAN/NUBLE;FA79;RO81(BATT.OFF,DRIV.ABSENT)
690304 0640	: 017 33	MO ATLANTA ;FA79;RO81?SELF(NO COMPLETE STOP)
6906 -0600	: : :	BR UBA,CESARIM *C711016?SELF(ENG.STOPS FEW SEC.)
70 EVEN	: : :	ES CASTANUELO ;BA76
710922 1945	03 003 03	BR TOMBOS,CAETANO*S731117?SELF(CAR IN GEAR LEAPS)
7204 :	02 : 10	PU LAKE HUAYPO *SO760525?SELF
720401 :	: 040 40	AN CACUSO/LUCALA,LOPES*U76057?SELF
7205 - :	: NEA :	SR WOLGOGRAD .GR79199?SELF
720725 EVEN	05 : :	VC FRANKSTON/DROMANA,PUDDY *F7263 (REPEATER)
720927 2313	: 030 :	RA ISABEL,MORENO *F75318*U75013*023?SELF
720928 0340	: 002 :	RA ISABEL,RODRIGUEZ *F75514*U75023?SELF
721110 2300	S1 : :	GB HEATHFIELD ;RO81
7301 -0005	: : :	RC OSORNO *F73329
730209 0300	: 100 :	GB A-414,ANONYMOUS *F73232
730502 1930	S1 300 .1	SA KALYAN,ZADOW .BA81?SELF(NO COMPLETE STOP)
730721 2100	: : :	RF GAVIGNANO,RINALDI *F77631 (EXTENDED VISION)
731024 2100	: : 04	NC DOBSON,SIMPSON ;WE7317
740124 1600	01 010 01	BE AISCHE/LIERNU,ND *M760210*SO77067*U79129
7403 2200	S1 000 40	BE HERGIES *SO76019
7404 -EVEN	: : :	BE KONINGSLO,VM *F74617
750219-1910	: : :	DK ORBAK/LINDESKOV *M760815;FA79?SELF
751223 2300	: 008 07	MN GOODRIDGE ;RO81(PAGE 67=66)
760917 0330	: 004 :	SW WINGEN ;BA8216(MAGNET,SELFSTART OF LOCKED CAR)
761114 :	: 005 05	GB WINCHESTER,BOWLES*F7653*77112.DE8243(REPEATER)
770309 0310	: 030 :	GB NELSON,GRIMSHAWE*F7723.RA79117.81244.8346?SELF
770623-0515	: 000 :	ZA NOUPOORT/MIDDELBURG,GOUWS *M770917
780824 2200	S1 : .1	IA OTTUMA *I781214
780917 2100	: : 03	IT TORRITA/SIENA,FARALLI *F7943*I790915
791015-1130	H2 : :	BR PONTA NEGRA,OSWALD *F83113?SELF

SCHOENHERR, INNSBRUCK, AUSTRIA 54 CASES (self)

*** THIS LIST MAY INCLUDE TITLES NOT CITED IN SPECIFIC CASE-LISTINGS ***

FORMAT OF CITATION	y=YEAR m=MONTH d=DAY n=NUMBER p=PAGE ..,=TITLE TRUNCATED AUTHOR, TITLE, PUBLISHER, ADDRESS, PLACE OF PUBLICATION ...>
*Cyymmpp	FLYING SAUCER REVIEW, CASE HISTORIES, SNODLAND, KENT ME6 5HJ
*FRyymmpp	FRONTIERS OF SCIENCE, 2201 ST.PAUL ST, BALTIMORE, (DEFUNCT)
*Fyynpp	FLYING SAUCER REVIEW, SNODLAND, KENT ME6 5HJ, ENGLAND
*Iyymmpp	INTERNATIONAL UFO REPORTER, 1955 JOHNS DRIVE, GLENVIEW, ILL.
*Myymmpp	MUFON UFO JOURNAL, 103 OLDTOWNE RD, SEGUIN, TEXAS 78155, USA
*SOyymmpp	SOBEPS NEWS, BLVD.ARISTIDE BRIAND 26, B-1070 BRUSSELS, (DEF)
*Syymmpp	FLYING SAUCER REVIEW, SPECIAL ISSUES, SNODLAND, KENT ME6 5HJ
*Uyymmpp	UFO-NACHRICHTEN, VENTLA-VERLAG, WIESBADEN, WEST-GEMANY
+NZyymmdd	NEUESTE ZEITUNG, INNSBRUCK, (DEFUNCT)
.BO69ppp	BOWEN CHARLES: THE HUMANOIDS, NEVILLE SPEARMAN, LONDON
.BU75ppp	BUEHLER W: 40 BEGEGNUNGEN MIT AUSSERIRDISCHEN..., WIESBADEN
.CO83ppp	COLEMAN LOREN: MYSTERIOUS AMERICA, FABER & FABER, BOSTON
.DE82ppp	DEVEREUX PAUL: EARTHLIGHTS, TURNSTONE PRESS, WELLINGBOUROUGH
.FO81ppp	FOWLER R: CASEBOOK OF A UFO INVESTIGATOR, PRENTICE-HALL, NJ.
.GR79ppp	GRIS & DICK: PSI ALS STAATSGEHEIMNIS, SCHERZ, BERN-MUENCHEN
.HY77ppp	HYNEK A: THE EDGE OF REALITY, HENRY REGNERY, CHICAGO, USA
.KE73ppp	KEEL JOHN: OPERATION TROJAN HORSE, PUTNAM, NEW YORK
.MI58ppp	MICHEL A: FLYING SAUCERS & STRAIGHT-LINE MYSTERY, CRITERION
.RA79ppp	RANDLES JENNY & WARRINGTON P: UFOS-A BRITISH VIEWPOINT, HALE
.RA81ppp	RANDLES JENNY: UFO STUDY, ROBERT HALE, LONDON
.SA74ppp	SALISBURY FRANK: THE UTAH UFO DISPLAY, DEVIN ADAIR, CONNECT.
.SH67ppp	SHUTTLEWOOD A: THE WARMINSTER MYSTERY, N. SPEARMAN, LONDON
.VA69ppp	VALLEE JACQUES: PASSPORT TO MAGONIA, HENRY REGNERY, CHICAGO
.WR68ppp	WRIGHT: THE INTELLIGENT MANS GUIDE TO FLYING SAUCERS, BARNES
:HY78ppp	HYNEK A: THE HYNEK UFO REPORT, SPHERE BOOKS, LONDON
:LO68ppp	LORENZEN CORAL & JIM: UFOS OVER THE AMERICAS, SIGNET T-3513
:LO69ppp	LORENZEN CORAL & JIM: UFOS-THE WHOLE STORY, SIGNET T-3897
:RA83ppp	RANDLES JENNY: THE PENNINE UFO MYSTERY, GRANADA
:ST68ppp	STEIGER & WHRITENOUR: NEW UFO BREAKTHROUGH, TANDEM T-230
:ST76ppp	STEIGER BRAD: PROJECT BLUE BOOK, BALLANTINE 26091, NEW YORK
;BA76	BALLESTER-OLMOS J: A CATALOGUE OF 200 TYPE-I EVENTS...,CUFOS
;BA81	BASTERFIELD KEITH: UFOS-THE IMAGE HYPOTHESIS, REED, SYDNEY
;BA82	BASTERFIELD KEITH: A PRELIMINARY CATALOGUE OF AUSTRALIAN VEHICLE UFO INTERFERENCE EVENTS, ACUFOS,BOX 546,GOSFORD,NSW.
;FA79	FALLA GEOFFREY: VEHICLE INTERFERENCE PROJECT, BUFORA LTD
;RO81	RODEGHIER M: UFO REPORTS INVOLV. VEHICLE INTERFERENCE, CUFOS
;WE73ppp	WEBB DAVID: 1973 - YEAR OF THE HUMANOIDS, CUFOS, EVANSTON

1) ABBREVIATIONS USED IN THE SECOND HEADER-LINE OF THE CASE-LISTINGS

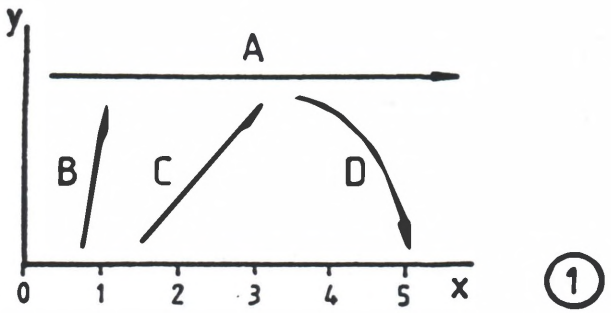
DU	DURATION: 05 = 5 MINUTES, S1 = 6 SECONDS, H3 = 3 HOURS
DIS	MINIMAL DISTANCE: 125 = 125 METERS, K03 = 3 KILOMETERS
SI	SIZE: 35 = 35 METERS, .2 = 2 MOON-DIAMETER, /3 = 1/3 MOON-DIAM.
PD	POLITICAL DIVISION: CODES ACCORDING TO UFOCAT CONVENTIONS

2) FLAGS, PREFIX-CODES FOR PLACE- AND OBSERVER-NAMES, CITATIONS ETC.

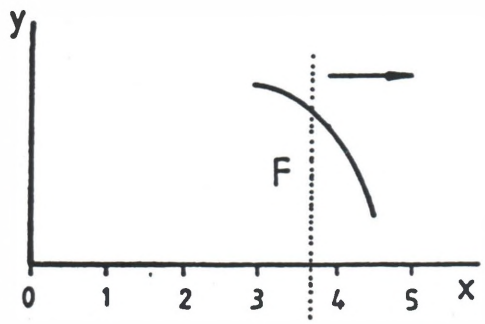
-	FLAG FOR UNCERTAIN DATE AND/OR TIME (DATE/TIME-COLUMN ONLY)	
/	SECOND PLACE-NAME, ALSO: ON THE, DEL, SUR, AM ETC.	
,	NAME OF OBSERVER, INFORMANT OR INVESTIGATOR	
*	PERIODIC SPECIALIST PUBLICATION	
+	DAILY NEWSPAPER ETC.	
.	NORMAL-SIZED HARDCOVER OR PAPERBACK	< NON-PERIODIC
:	POCKETBOOK	< SPECIALIST
;	LARGE-SIZED PUBLICATION, STAPLED ETC.	< PUBLICATIONS
?	(FOLLOWED BY 4-LETTER-MNEMONIC) = DESCRIPTOR UNCERTAIN	
=	CITATION NOT RELATED TO RESPECTIVE CASE	
()	REMARKS ARE ENCLOSED IN PARENTHESES	

DIAGRAMS

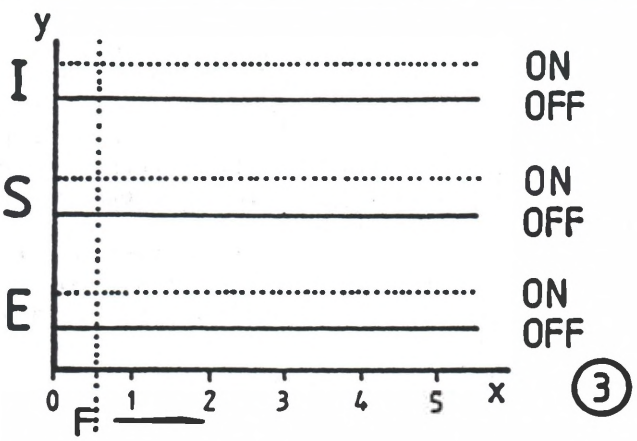
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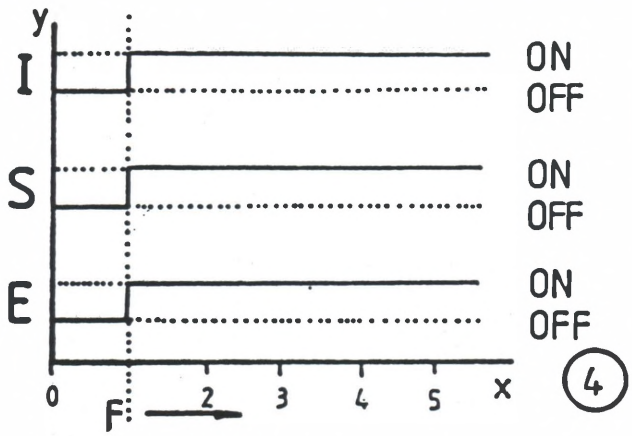
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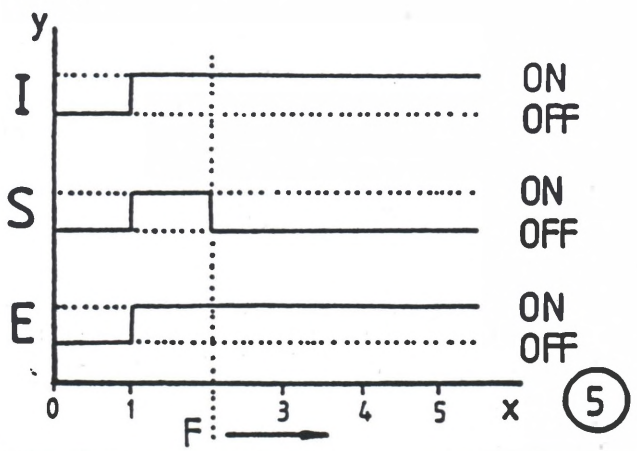
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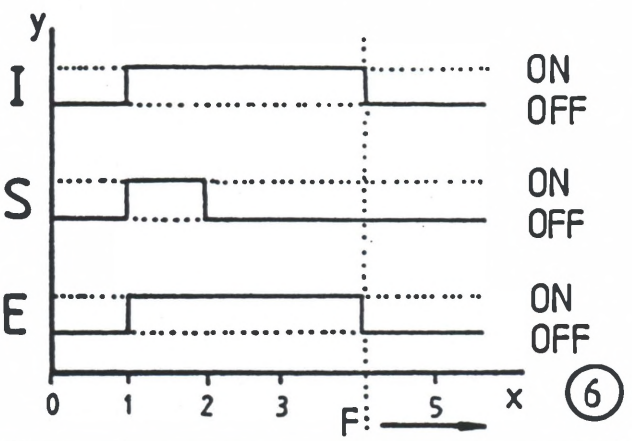
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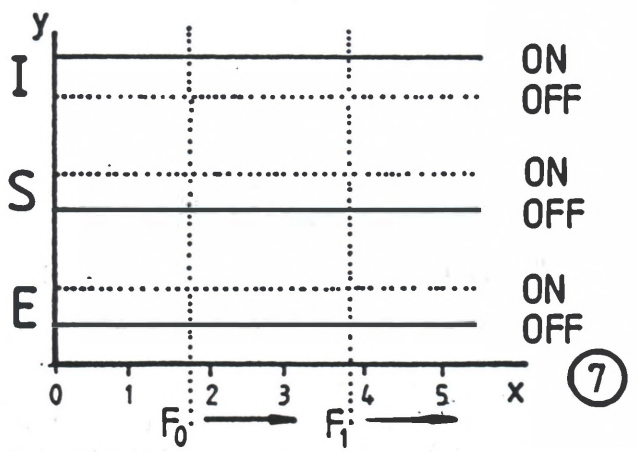
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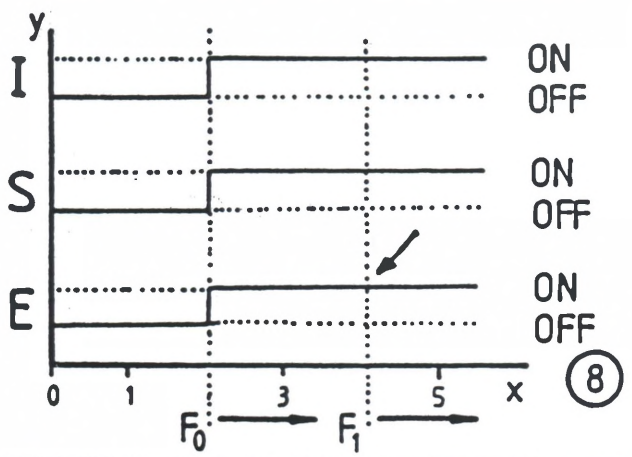
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6



7



8

strip, the field of presentation to the projective plane of a film projector. The spectators can only perceive one frame at a time, out of the vast number of frames on the strip. But the successive perception of the frames renders the illusion that the "same" figures are moving and acting although the frames themselves are still-pictures. Similarly, the three-dimensional objects and particles observed by our physicist are merely "cut-outs" from a larger, four-dimensional reality.

Contrary to the film analogy, however, in which the "future" fate of the characters is strictly predetermined, while the onlookers still tremble for their hero's life, everybody is capable of intervening with reality at his or her "now." Dunne argued that, as the result of such an intervention, the whole length of all affected world-lines ahead (i.e. to the right) of the travelling field would immediately change their configuration and remain so until the next intervention. If we try to visualize this by means of simple diagrams it becomes immediately evident that we have to draw a separate diagram for each intervention, because every intervention creates a new set of world-line configurations. In other words, the future can be changed by interventions, but it is predetermined between two interventions.

Thus the starting of an automobile engine by the driver could graphically be represented as follows: In the diagram series #3 to #6 both axes as well as the dotted vertical line F have the same meaning as before. The three pairs of horizontal dotted lines represent (highly abstracted and summarily, of course) the potential states, the world-lines of the ignition switch (I), the starter switch (S) and the engine (E) may assume. The thick lines in turn represent their respective actual state as the result of an intervention. In order to improve the readability of the diagrams, thick lines denoting different actual states have been connected by vertical lines. This should not imply that world-lines can change in zero time. The two states world-lines can assume in our demonstration are "on" and "off". The numbers along the x-axis denote discrete points in time:

Diagram #3

All world-lines are in the "off" state. No intervention by the driver takes place while the travelling field moves from 0 to 1 on the x-axis.

Diagram #4

When the travelling field has reached position 1 the driver decides to start the engine. All world-lines change to "on" ahead (to the right!) of the travelling field.

Diagram #5

The travelling field is now at 2. Let's suppose the starting procedure was successful. Then the starter is switched off and its world-line changes correspondingly. The world-lines of the ignition switch and the engine remain unaltered.

Diagram #6

The travelling field is now at 4 and the driver stops the engine. He turns the ignition switch to "off" and all world-lines to the right of the travelling field now assume the same state as they had in diagram #3.

(c) Causality and Self-Starts

Let's now examine the causal connection between two events from the viewpoint of Dunne's concept. Formally, causality may be regarded as a restrictive principle that "permits" certain sequences of events while it "forbids" others. But what constitutes a sequence for us, as three-dimensional beings, is a spatial arrangement for a four-dimensional observer. The reader viewing the diagrams #3 to #6 may flatly put himself in the latter's position. For him our time (Dunne called it Time 1) becomes a spatial dimension and consequently his notion of causality would be that certain arrangements or configurations of world-lines are possible and others are not. Only the changes in those arrangements would, for him too, constitute a sequence. It must be noted, however, that this sequence would not be perceived by him or be measured in our Time 1, but in a higher order of time, Time 2, i.e. in a fifth dimension.

It is quite easy to see, that both orders of perceptions are merely different expressions, so to say, of the same causal process and one causality principle. But although I am not going to question the causality principle it is possible to conceive of circumstances leading to perceptions of events that would, for us three-dimensional observers, appear to be non-causal.

This, exactly, is the point where Dunne's hypotheses are becoming relevant to our problem, namely, those mysterious self-starts of automobile engines. Diagrams #7 and #8 may illustrate this:

Diagram #7

This diagram may represent the situation of the system describing an automobile after it has been stopped near a UFO. The world-lines of engine and starter are in the "off" state, those of the ignition are "on." The driver's travelling field F_1 approaches 4 on the x-axis. Now let's assume there is a second observer whose travelling field F_0 follows F_1 with the same velocity, but some distances behind. Nothing extraordinary happens as long as the owner of F_0 remains a passive observer.

Diagram #8

The travelling field F_0 is now at 2. At this point the F_0 observer presses the starter and a curious thing will happen for the driver with his travelling field F_1 at 4. According to Dunne, the world-lines of starter and engine to the right of F_0 will change to "on" and the driver with his field F_1 at 4 would therefore suddenly observe his engine starting without any action by him.

RESULTS

Certainly the data and the considerations presented do not constitute a sort of irrefutable proof. I think however, that they lend a certain degree of probability to the following suggestions:

1) The self-start phenomenon is, notwithstanding its relative rarity, a factual occurrence.
2) Besides other phenomenal features of the UFO experience, it is a possible indication that the UFO phenomenon has something to do with higher dimensions.
3) It could well be that the very existence of this self-start phenomenon constitutes in itself the observational window that proves the physical reality of

higher spatial dimensions.

4) If the proposed mechanism holds true for self-starts, then it is only logical to assume, that it is also responsible for the stopping of engines. Perhaps the whole question of the so called electromagnetic interference in connection with UFOs has to be reconsidered.

DISCUSSION

Dunne was, of course, well aware that interventions by observers whose travelling fields lag behind ours, could completely upset our reality, could also in fact turn it into a totally unpredictable jumble where no fixed cause-and-effect relation could be detected and, very probably, no living beings could ever have developed.

Because "that sort of thing doesn't happen in our experience"[9] Dunne argued that "all observers must agree concerning the presence of their own and other persons' three-dimensional selves at 'nows' which travel along Time 1 and which vary in their alignment only to the extent that this is permitted by or dictated by the rules of relativity."[4,6,7,10]

There is no question that a stabilizing principle such as postulated by Dunne must exist. It is quite another question, however, whether it governs the perception of and its interference with reality is absolutely complete or whether there are, now and then, possible exceptions. And often such exceptions that would not fit into established "laws" have in the long run, led to new discoveries and new approaches. I am well aware of the problems posed by spontaneous observations of anomalous macrophysical phenomena: Mostly, the observations have been made by laymen, without instruments and proper training and often in situations that would require an extraordinary presence of mind. Scientists have long recognized this drawback and it seems that they have, not quite logically but as a matter of practical agreement, arrived at the assumption that heuristically valuable exceptions (i.e. anomalies) will manifest themselves only in the laboratory and here preferably on a microphysical level as in particle physics, for example. While this policy suggests itself from the viewpoint of present science economics it could well be that equally or even more important spontaneous macrophysical anomalies escape our attention.

1. Hallucination or Reality?

Because reports about alleged self-starts sound so utterly illogical it is little wonder that there is a strong tendency to relegate them to the psychological department.

Among the UFO/car encounters there are cases for which the hypothesis of an altered state of consciousness has been invoked as an explanation. What I have in view here are specifically all those cases where the driver suddenly finds himself in his car driving along the road, as if awakening from a dream, usually later becoming aware of a time anomaly, a time loss or, more conventionally termed, an amnesia. But even if one is willing to accept such hypotheses, there remain questions. One of them, for example, would be how long or how far a car could be driven in such a state of mind, without producing an accident.

I remember a rather enigmatic car crash that happened years ago during the construction of a motorway junction near Innsbruck, Austria. There was a narrow, single-lane passage on the old road, guarded by automatically alternating traffic lights, so that traffic could flow cyclic in both directions. The traffic lights were situated some distance before the bottleneck actually began in order to give the drivers ample time to change lanes after having passed the defile. There was also a speed limit, but the general situation was such that no car could go faster than, say, 20 kms/hr.

Nonetheless, the impossible happened. The driver of a truck (a professional) failed to change to the other lane and crashed head-on into the first car of the queue, waiting for the green light in the other direction, killing its driver. During the legal investigation it turned out that the truck-driver, who had survived, had already once been involved in a similar accident. Yet, he could not explain the course of events. He might really have been in that altered state of consciousnss popularly called highway hypnosis.

But, be that as it may, the phenomenal description of the self-start cases tends more to support the idea that the self-start is a real event perceived in a normal state of consciousness whatever state of mind the percipient might have been in prior to it. In many cases the self-start seems to have been the first event that brought the witness back to reality.

My fellow countryman, E. Berger, had once remarked that "even a hallucinated automobile will display bright headlights and grow louder when approaching and will show red rear lights and become quieter when driving away, because in the hallucinating person's memory this pattern is stored as the result of preceding real experiences."[7] But where, then, does the memory pattern of the self-starting engine come from? All over the world this phenomenon has virtually only been reported in connection with UFO experiences and there is no percipient who has experienced this effect more than once.

There is a rare phenomenon that sometimes occurs in automobile engines, which, in my country in the technician's jargon is called 'Nachnageln' (the literal translation would be 'afternailing'). When the cylinder heads and the spark plugs are too hot (wrong type and composition of mixture etc.) then it may happen that the engine continues to run when the ignition is shut off due to self-ignition. But this effect has nothing to do with a self-start. It is, clearly, the opposite of it.

Nobody will deny the existence of psychological and even apparent hallucinatory elements in many UFO experiences. But this should not tempt one to leave everything on principle to the psychologists that cannot readily and quickly be explained by existing physical concepts. Notwithstanding, the recognition of the psychological aspects the physical components of the phenomenon are still prominent enough to warrant extraordinary and unconventional physical hypotheses. The real problem lies in the fact, that the evidence is often ambiguous and lends itself equally to physical and psychological interpretations, which makes it hardly possible to arrive at watertight and non-falsifiable hypotheses. This is also apparent in the case of the self-start phenomenon.

2) Self-Start and Mode of Disappearance

In his statistical pattern analysis of vehicle interference cases, Rodeghier found self-starts positively correlated with the disappearance of the UFO. By "disappearance" obviously not the vanishing behind a cloud or other obstacle is meant, nor the fading away in a far distance, but an anomalous disappearance of the UFO on the spot, often relatively near to the observer or within his frame of reference. Rodeghier comments on this as follows: "Metallic appearing UFOs are negatively associated with the act of disappearing and the restarting of a vehicle's engine by itself. These last two characteristics are positively associated, not surprisingly, because both are nonsensical, extraordinary, unphysical

events. Things do not disappear, nor machines start themselves, at least in this world."[26]

But it is exactly the phenomenal feature of this sort of anomalous disappearance which constitutes a strong additional argument for a possible link between the UFO phenomenon and higher dimensions by the so-called hyperspace hypotheses. Those concepts could, at least, basically explain how a material body or a physical phenomenon could disappear from our three-dimensional space while

- remaining stationary in three-dimensional space and
- retaining its structural integrity (i.e. if it is a physical body, no disintegration whatsoever would occur).

To put it in Dunne's parlance: If the travelling field of perception reaches the termination of a world-line or (in the case of a macrophysical body) a bundle of world-lines, the body would disappear from our space on the spot. It would not move somewhere within this space, it would be left behind in time (in the fourth dimension) by the travelling field of perception.

This mode of disappearance would even be possible within a totally closed room (totally means three-dimensional) and this has, allegedly, been observed during seances. But we needn't delve farther in this field. Ball lightning with its uncanny ability to appear in, and disappear from, closed rooms is perhaps another case in point. Regarding the on-the-spot disappearance of UFOs it has been theorized that they accelerate so fast that the human eye cannot follow, thus creating the illusion of an immediate disappearance. The fact that there was never a sonic boom on such occasions poses a serious obstacle to this hypothesis.

On the other hand, a disappearance into the fourth dimension would momentarily leave behind a vacuum, which would quickly be filled by the surrounding air. Depending on how much air was replaced by the object or phenomenon the filling of the vacuum would possibly create no extraordinary effects. Perhaps really only a strong rush of wind, a thunder-like clap or a muffled explosion as has sometimes been reported. I can imagine that these pneumatic and acoustic effects could, at least, be predicted by computation and to some degree, perhaps, even experimentally be tested.[14]

3) Vehicle Interference and Distance

In view of the earlier suggestion that the stopping of engines may possibly be due to the same basic mechanism as the self-start, the matter of the distance from the UFO during vehicle interferences deserves some consideration:

Brosses-Thillot, France — 14 Oct. 1954

A Mr. B was riding his motorcycle from St.-Romain-sous-Gourdon to Brosses-Thillot, Saone et Loire. Suddenly without apparent reason his motor stopped and could not be started again. He got off, and a bright light burst out about fifty yards in front of him, revealing a circular object that looked, he said, "like a plate turned upside down." Mr. B looked at the sight in amazement, then in fear, and decided to turn back, walking and pushing his motorcycle. But when he reached the point where his motor had stopped, it started up again.

Although this is not stated explicitly in this report we may assume that, while pushing his motorcycle, the gear was in neutral or the driver kept the clutch disengaged. It is, therefore, not likely that the restarting of the engine was due to the fact that the vehicle was being pushed. At first sight this case seems to demonstrate perfectly the interdependence of vehicle interference and distance to the UFO. On this basis it would be highly tempting to speculate about a sharply defined force field surrounding the UFO and interfering with the engine's ignition. This idea would even be further strengthened by those cases where drivers have, quite unsuccessfully, tried to restart their cars while the UFO was still present in the vicinity. Yet, things aren't so simple when the totality of all known vehicle interference cases is considered.

McMahon,[23] Johnson[19] and Rodeghier[25] have examined a possible relationship between the EM effect and the distance of the UFO. Assuming the existence of any force field influence whatsoever emanating from the UFO one would expect that the severity or the degree of interference had to be a function (according to the inverse square law, for example) of the distance. On the basis of over 700 cases taken from different sources, McMahon found no such correlation. Instead there is a very curious and not easy-to-interpret clustering of vehicle interferences at distances from zero to 200 feet, a somewhat weaker one at 1,200 and then at 2,200 feet. It is, however, worth noting that there is a very strong interference tendency for UFOs on the ground and low-level UFOs up to an altitude of, say, 300 feet. As altitude may, with some justification, be considered as a special case of distance these values corroborate to some extent the clustering in distances up to 200 feet. It has long been speculated that the color and/or glow of the UFO might be an indication of its momentary "working condition" (be it a natural or artificial phenomenon). Taking up this suggestion, McMahon has also tried to examine this hypothesis. A weak correlation was found for glow, but none for color, the latter perhaps only because of the sparse information regarding this characteristic.[24]

On the basis of a study conducted with a considerably smaller sample of 276 EM cases, Johnson arrived at the conclusion that "distance and severity of ignition interference effect appear to have an established relationship in a manner compatible with what would be expected from a high-frequency, electromagnetic force." In addition to distance, Johnson has also examined a possible relationship between vehicle electrical system failure and the position of the UFO relative to the vehicle. He found a highly significant relationship (chi-square value 14.98) for engine stalls when the UFO was above or in front of the car.[20]

One might ask, however, whether this result could not, at least partly, be due to the observational limitations to which the driver and passengers of a car are usually subjected. For a driver who concentrates on the road before him, the probability of noticing an extraordinary phenomenon within an angle of, say, 70 degrees ahead will be greater than in other directions or, even, of behind him. And, in cases where the UFO has been reported above the car, the driver usually saw the UFO first during its approach or became aware of it (at night, for example) by its light coming from above, then altering his observational behavior. In other words: If a UFO behind and aside of a car causes an equal number of ignition interferences, is it as likely to not be noticed by the car's occupants because of the lower observation probability in those directions? If this is correct then there should be ignition-interference cases that are never reported, simply because no visual phenomenon had been observed that would have people motivated to report the interference. If this hypothesis is correct then the number of UFOs observed behind or alongside the cars should be relatively greater in cases where the

cars were occupied by more than one person than in cases of single drivers.

While Johnson's results regarding distance contradict, to some extent, those of Rodeghier and McMahon it is interesting to note that the latter two agree with respect to the clustering of interference cases for distances from 0 to 200 (Rodeghier 300), 1,200 and 2,200 feet. But this is probably due to the fact that McMahon has borrowed 466 of her total of 709 cases from Rodeghier's catalogue.

Considering the above as well as basic problems concerning the reliability of distance estimates, as such, and of the determination of the distance to the UFO at the exact moment when the interference begins, it is quite possible that vehicle interference does not solely, or not always, or perhaps even not at all, depend on distance in three-dimensional space, but rather on "distance" in the fourth dimension, i.e. on the distance between the travelling fields F_o and F_1 (See diagrams #7 and #8).

Especially in view of all the self-start cases, the conventional (i.e. the merely three-dimensional) concept of an interference-distance relation seems to become meaningless. In the following cases the engines restarted by themselves when the visible phenomenon was no longer present:

Date	Place
23 Oct. 1965	Long Prairie
25 July 1968	Pastora
21 July 1973	Gavignano
23 Dec. 1975	Goodridge
23 June 1977	Noupoort/Middelburg
17 Sep. 1978	Torrita/Siena

In approximately 40% of the reports in the group of possible or suspected self-starts the wording is so imprecise and vague that it becomes a matter of pure conjecture deciding whether the UFO had already disappeared or whether it was still engaged in the process of disappearing or moving away etc. when the self-start occurred.

If, on the other hand, one considers only those reports where the UFO was said to have still been visible when the self-start occurred, we get distances of 5, 7, 15, 17, 30, 50, 73, 100 and 300 meters, which is also not very supportive for the idea that a self-start could be a function of distance.

During the encounter on the road between Armas and Piran, Argentina (5 Aug. 1962), the engine of a truck stalled for no perceptible reason. The driver got out to see what was wrong. Suddenly to his astonishment he found that his engine was working again and at this moment he became aware of a huge, cigar-shaped object that was about 300 meters from him, either on the ground or slightly above it.

Here it would be equally justified to conclude that it was the appearance of the phenomenon, or simply its presence, that caused the self-start although in the light of present ideas about engine interference this would be difficult to understand.

On closer examination of the self-start reports one must arrive at the conclusion that a relationship between the presence or the distance of the UFO and the self-start of engines is far from being proved. The present impossibility to establish such a relationship cannot simply be attributed to the vagueness of an admittedly large part of the descriptions, because we have some reports that are precise enough in this respect and they do definitely state that the self-start occurred either in the presence or in the absence of a visible phenomenon.

It is, of course, conceivable that some day a surprising and even simple conventional explanation for those self-starts will come forth. Notwithstanding such a possibility, it seems justified to look at least tentatively for other explanatory schemes or models, such as the hypotheses presented by Dunne, the more so, since the only hitherto proposed explanation, based on existing physical concepts, seems still to have its difficulties.

4) Self-Start Induced by Ionization Breakdown

While Rodeghier apparently tends to regard self-starts rather as illusionary than real,[26] McCampbell is willing to consider them as actual events resulting from a rare combination of mechanical and electrical conditions.[22]

Because modern cars can be handled like "black boxes" a closer look on the internal function of car ignition systems is perhaps necessary in order to appreciate this hypothesis.

Low-voltage direct current from the battery (usually 12 or 6 volts) is fed to the primary windings of the ignition coil, a sort of transformer which produces in its secondary windings the high-tension current (10,000-20,000 volts) necessary for the operation of the spark plugs in the cylinders. As direct current cannot be transformed, there is, in the primary circuit, a breaker that interrupts the current at regular intervals, whose frequency depends on the number of cylinders in the engine and its momentary running speed. Every time the breaker points are opened, the breakdown of the electromagnetic field induces a short high-voltage impulse in the secondary windings.

The breaker is driven by the engine and on the same shaft and usually above it in the same casing there is the distributor which insures that the ignition current always flows to the correct cylinder, i.e. the cylinder in which the piston is just in the compression stroke. In the textbooks and service manuals the breaker timing is usually expressed in degrees of camshaft rotation. For clarity and better comparison with valve timing I have expressed breaker timing in degrees of crankshaft rotation. As the crankshaft rotates with twice the speed of the camshaft the values had to be doubled (see diagrams #9 and #10).[29]

If the engine is at rest or running at idling speed, ignition timing is usually set to values from 0 to 12 degrees before top-dead-center (T.D.C.). As the engine turns faster, this value has to be increased to as much as, say, 40 degrees at 4,500 rpm. Thus the ignition process starts while the piston is still in the compression stroke. This is necessary in order to insure that combustion reaches its maximum efficiency when the piston is just past T.D.C. so that a maximum of power can be transferred to the crankshaft. In the early days of automobilism ignition time was manually set by means of a lever attached to the steering wheel. There were also no electric starters and the engines had to be cranked by hand. If a driver forgot to set the lever to "retarded ignition" before cranking the engine, it could happen that it fired back, unexpectedly, turning the crank in the other direction and sometimes a driver paid for his forgetfulness with a broken arm. Today, ignition timing is controlled by automatic devices, usually a centrifugal force regulator and/or a pressure feeler in the induction pipe of the carburetor, so that breaker-(and distributor-) operation is, at any time, properly synchronized with the momentary position and the turning speed of the crankshaft.

If, therefore, the engine is at a standstill prior to a self-start, breaker timing is always set to the lowest possible basic value which is, in most engines, a few degrees before T.D.C.

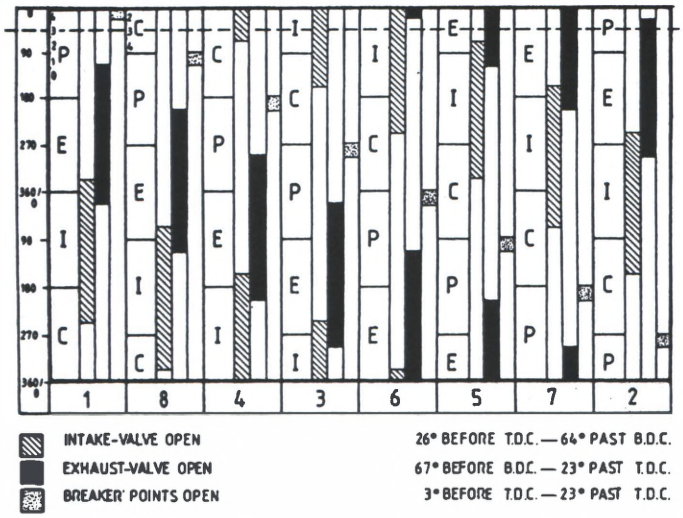
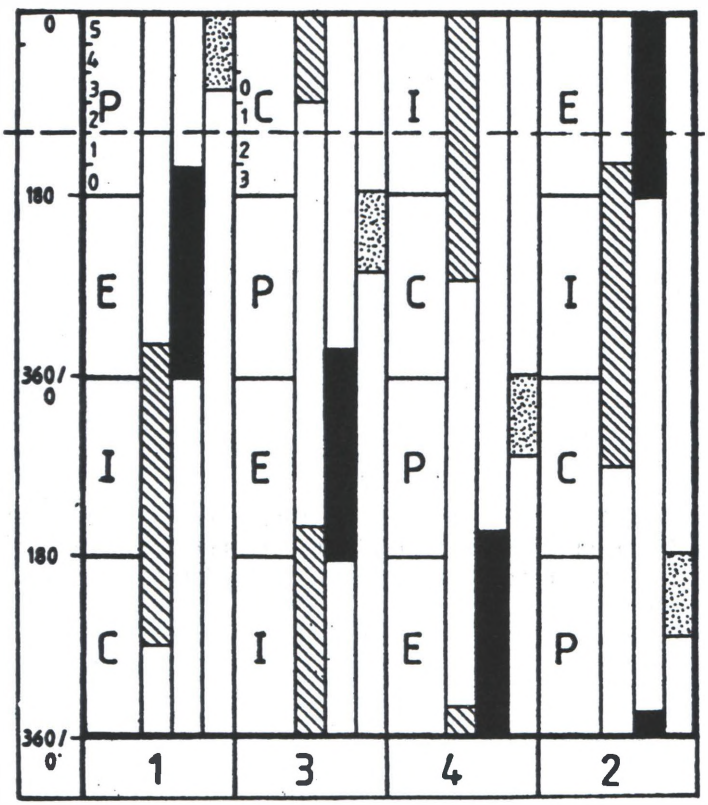


Diagram 9 **Ford V-8**



INTAKE-VALVE OPEN
33° BEFORE T.D.C. — 89° PAST B.D.C.

EXHAUST-VALVE OPEN
29° BEFORE B.D.C. — 1° PAST T.D.C.

BREAKER POINTS OPEN
6° BEFORE T.D.C. — 80° PAST T.D.C.

Diagram 10 **Ford Taunus 12M**

According to McCampbell a self-start requires the following initial conditions:

1) The piston of one cylinder must have come to rest somewhat behind T.D.C. in the combustion or power stroke.
2) The cylinder must contain a sufficiently compressed and warm mixture of inflammable composition. This implies that the piston must be in a position where the intake as well as the exhaust valves are closed, otherwise the mixtures would quickly cool off, expand and dissipate. On ignition, there would only be a rather deteriorated combustion, a sort of deflagration, too weak to crank the engine.
3) The position of the piston (resp. crankshaft) must be such, that the breaker points are open.

It is now assumed that radiation or force fields emanating from a UFO are capable of ionizing the air within the breaker compartment, thus shorting the breaker points, allowing the ignition coil to absorb ample energy for the build-up of its electromagnetic field.

On departure of the UFO, the ionization would break down, producing the same effect as if the breaker points had just opened. The resulting high-tension impulse in the secondary circuit would produce a spark by the spark plug, the cylinder would fire and start the engine. In short, the breakdown of ionization would simulate an asynchronous breaker operation.

An examination of the proposed process shows that the necessary initial conditions are not easy, if not impossible, to fulfill.

Breaker Operation Timing

Diagram #9 shows the piston-, valve- and breaker-operating cycles of an eight-cylinder automobile engine (Ford V-8, USA). The diagrams for the single cylinders have been arranged from left to right in ignition sequence in order to demonstrate more clearly the symmetry of cylinder operation (and by this the validity of the argument for all cylinders).

Now suppose that the piston in the first (in the diagram the outer left) cylinder has just entered the power stroke (P) when the engine comes to a stop. A self-start in the manner described by McCampbell could only occur, if the piston remains in the upper eighth (at the beginning) of the power stroke, because only in this position the breaker points are open and the distributor finger, thus, in the correct position for this cylinder. But would the piston actually remain in this position? Due to the pressure of the highly compressed mixture the piston would back away from this position until it is counterbalanced by the piston in another cylinder that is, at this moment, in the compression stroke. Both pistons would therefore rather adopt a position as indicated by the broken horizontal line (the small numbers within the diagram roughly indicating the amount of pressure within the cylinders). All other cylinders can be ignored, because they are either in the intake (I) or in the exhaust stroke (E), i.e. one valve at least is open, so that no appreciable compression is maintained.

It can be seen that at this position the breaker points are already shut again, i.e. the presence or nonpresence of an ionization within the breaker compartment is irrelevant. A self-start could only occur if the breaker points were forcibly opened by a direct mechanical intervention.[32]

Diagram #10 shows the same characteristics for a 4-cylinder engine (Ford Taunus 12M, Europe). In relation to

the single-cylinder the breaker point opening time is more than three times as long as in the eight-cylinder. The total opening time in relation to all cylinders and a whole cycle (four strokes per cylinder = 2 crankshaft turns) is 29% for the eight-cylinder and 48% for the four-cylinder engine.

Considering this and the rather trivial fact that one cylinder in a four-cylinder engine develops ¼ of the engine's total power, while in the eight-cylinder it is only ⅛, one should expect that the four-cylinder would exhibit a better self-start behavior than the eight-cylinder. But according to the foregoing considerations it is very questionable whether self-starts can be induced by ionization breakdown in the described manner at all.

Until now it has been tacitly assumed that the gearshift was in the neutral position prior to the self-start, so that the pistons could have freely balanced themselves out. This seems to have been the situation in some of the classic, "explicit" cases. If, however, the engine remained in gear when it came to rest, then any piston position would be possible. The piston could then come to rest, say, just past T.D.C. in the uppermost part of the cylinder at high compression while the breaker would still be open. Under such circumstances the cylinder could actually be fired by the proposed process. But it would not be a successful self-start. The engine would be instantly killed by the car's moment of inertia. The car would be shaken or it would make a short leap. Such things have actually been reported and they could, perhaps, be claimed in support of McCampbell's hypothesis.

But as if to defy all logic and the most elementary driver's experience, there is a report about a self-start that did, allegedly, happen under absolutely incredible conditions:

Aische-Liernu, Belgium — 24 Jan. 1974

Around 4 pm on a clear day, a woman driving a Volkswagen 1300 was just approaching a hill when she noticed a red object about 150 meters away on the ground to the left of the road. Suddenly her engine began to slow down and the radio went dead. The car coasted to a stop, with the shift still in 4th gear. At this point the car was only 10 meters away from the UFO which was 1 meter in diameter and ½ meter high. After 4 to 5 seconds the UFO rose about 50 cms, then it dropped back. This action was repeated a second time. The third time it rose slowly to 3 or 4 meters above the ground, moved above the car, seemed to hover over it for a few seconds, reappeared on the left side and then it moved away in a curved trajectory without making a sound. It was then that the car motor restarted by itself without the driver touching the starter and, still in 4th gear, the car began moving forward. The UFO could be seen disappearing to the east north-east. The car had recently been through a check-up and was in good working order. Later that spring it started having problems with the motor misfiring and was finally taken in for a garage check in July. It then had a faulty distributor which had to be replaced.

Now, a car slowing down in 4th gear to a complete stop would inevitably begin to bump and shudder and even a very inattentive or distracted driver couldn't fail to notice this. The driver would then gear down or would at least press the clutch pedal. Because the car remained in gear one must assume that the latter was done, the clutch pedal having been released after the car had coasted to a stop. Unfortunately, the report doesn't explicitly state how far the car moved when the engine restarted. But if, under the circumstances described, the car really moved out from a stopped position and kept moving instead of making only a hop and then killing the engine, this could be termed a non-causal event. It may be remarked that seven years earlier, there was an encounter between a UFO and a motorscooter on the same road and almost exactly at the same place (Nov. 1966).

Temperature and Compression of Mixture

In a four-stroke engine running at 4,000 rpm one stroke (i.e. a 180-degree turn of the crankshaft) has a duration of 75/10,000 seconds. This is the time that passes from the onset of the compression stroke to the ignition of the mixture. Clearly, engines are designed for a quick succession of compression and ignition phases. For the efficiency of the following combustion it is vital that the mixture be highly compressed and preheated. During the compression stroke the temperature in the cylinder rises to as much as 500 degrees Celsius. This is ¼ of the combustion temperature, because in a running engine the cylinders are already hot and ignition follows so quickly the compression process is nearly adiabatic, meaning the mixture has neither enough time to cool off nor to dissipate between the piston and cylinder wall.

But what happens if the engine is stopped for some time and no ignition follows the compression stroke? The mixture will cool off and will leak out through the joints in the piston rings and even though the valve seatings if they are not extremely well fitting. Ignition following a minute or even seconds after the compression stroke would at best produce a weak deflagration and never yield enough power to start the engine.[33]

Yet there are cases, where the time between the stopping of the engines and the self-start must have been far greater:

Chillan-Nuble, Chile — 2 Feb. 1969

Two families on vacation had stopped overnight at the "Las Francas" thermal springs. In the morning the engines of both cars were heard to be running. On investigation it was discovered that both cars had been moved approximately 170 feet, but there were no wheel marks on the ground. While each owner examined a strange paint (or deposit?) on his car, an explosion was heard. There was a blinding light and a huge silvery object rose over the nearby mountains. The report emphasized the fact, that the engine of both cars was running while the batteries had been disconnected. (The meaning of this latter statement isn't quite clear: Does it merely mean that the ignition was switched off, or had the cables actually been removed from the battery terminals — perhaps as a precaution against theft?) Although this is not explicitly stated in the report one must also assume that the cars were locked in this tourist area.

Split Rock Reservoir, New Jersey — 15 Oct. 1966

A forester travelling in his car observed a huge glowing light coming up behind him. He stopped and thought he noticed the distinct outline of a solid body within the glow. Being on a cow path he tried to get his car out on the main road, but a UFO followed him and suddenly the lights on his car went out and the engine stopped. Every time the UFO was at the rear or on one side of his car the engine would work again, but when it was over its top the engine went dead. Finally the UFO left and "after less than a minute" (estimated by the witness) the engine could be started again. The witness drove to the Reservoir Security Office where he parked his car and went inside. When he came out, he and another man were startled to find that the car had apparently started spontaneously even though the forester thought, the ignition key

was in the off position. The witness claimed he switched the key back and forth between off and on and the motor stopped. A few weeks afterward, while the witness was driving his car, the motor exploded (?) and was never right again. Three months after the encounter with the UFO the witness, who had been a stock car racer and an employee of General Motors, developed physical problems and had to be admitted to a hospital.

Wingen, New South Wales, Australia — 17 Sep. 1976

A motor mechanic was driving at 110 km/h in a 1974 TC Cortina (Ford) when the car slowed down and the lights went out. Before getting out to look for the battery he noticed the speedometer varying from 0 to 40 km/h. Banging on the dashboard did not stop it. On turning the ignition key he got neither the ignition light nor a response from the engine. Then he lifted the bonnet [hood] and checked the wiring. Battery terminals, fanbelt and distributor leads were OK. Thinking that a main fuse must have blown, he switched on his auxilliary light but it wouldn't work, even with new batteries. It also would not stick to the car's body although it had a holding magnet. Then he noticed a bright light coming towards him. It became brighter and after 2 minutes it was a roundish object at a height of only 4 meters. It passed directly over his car, emanating a slight amount of heat. Its speed was about 40 km/h. There was no sound and the UFO quickly disappeared.

Now, the witness tried to start the motor by pulling the fan belt, but as he touched it the motor suddenly started up by itself, but stopped again immediately thereafter. Nevertheless the headlights came on and the radio began to operate. The witness tried to turn off the radio, but the switch would not work. On turning the ignition key the engine instantly started. Later that day the witness' girlfriend woke him up, reporting that the motor had started up while the car was locked and nobody was near it. A week later the car began having mechanical problems and the witness' watch was no longer working correctly.

In the above cases it is practically impossible to assume that mixture trapped in one of the cylinders should have retained the proper temperature and compression in order to yield the necessary power for cranking over the engine when ignited. Besides that, the Chillan-Nuble case poses an additional difficulty: An engine can, once started, continue to run even if the battery is dead when the primary current for the ignition is furnished directly by the generator. If this were not so, push-starts wouldn't be possible when the battery is dead. But this doesn't explain where the current for the first, initial ignition could have come from when engines and cars were at rest and the batteries disconnected. And, granted all requirements were fulfilled — would it not be an extraordinary coincidence if two cars would simultaneously and succesfully self-start by an ionization breakdown, if one considers, for example, how often a simple push-start, supported by the momentum of a moving car, can fail? This latter argument would, naturally, apply even more to the Lake Huaypo case (April 1972) described in the Materials and Methods section — provided the four cars did really start by themselves.

Self-Start by Irregular Starter-Motor Actuation

The problems posed by the required maintenance of a combustible mixture within the cylinder could theoretically be overcome by assuming that the starter motor is causally actuated by a defective starter switch or faulty insulation in the starter circuit. A transient vibration would then, perhaps, lead to the self-starting of the engine. Assuming this to be true, self-starts should occur independently of UFO events and at a far greater rate. As far as I can ascertain, no mechanic I have spoken to has ever heard of such a complaint, even though some of them had nearly 35 years of professional experience with engines.

Still another assumption would be that the starter circuit is closed by ionization. In this case it wouldn't be the breakdown, but the presence of an ionization that is responsible for the self-start. One could speculate that an insulation defect having no affect during normal working conditions could lead to a contact when ionization is present. But to this assumption applies what has already been mentioned in the paragraph on Vehicle Interference and Distance: Self-starts seem to be unrelated to the presence or absence of the UFO, i.e. they seem to occur independently of any influence the phenomenon may exert within three-dimensional space. Nevertheless, if self-starts can be explained by conventional hypotheses at all, then, in my opinion, the hypothesis of an irregular starter operation has the greatest chance of being correct.

If we were to assume that the starter motor is being influenced by the UFO in a more direct manner, this would mean that the phenomenon is able to create not only an electromagnetic field or some sort of eddy current, but that these act in such a selective and discriminate way upon the rotor and the stator of the starter motor, that a normal current flow results which is a very improbable, if not impossible, assumption.

Self-Start of Motorbikes

Today there are motorbikes with high-powered, multicylinder, water-cooled, four-stroke engines, battery ignitions and electric starters. Regarding self-starts such vehicles may well compare in every respect with automobiles.

The majority of the motorbikes, however, still have small, single-cylinder, two-stroke engines and the prevailing ignition system for this type of vehicle is the magnetoignition, sometimes also called the make-and-break ignition. In the fifties and sixties the magnetoignition was more widely used. In this ignition system the primary current is not provided by a battery, but by the magnetogenerator driven by the engine. It works somewhat like a battery ignition when the battery is dead. In order to get the first ignition and the engine running it must be cranked mechanically. For this purpose, small engines have a kick-starter while larger, multicylinder motors with magnetoignitions may be equipped with electric starters.

Small engines have, for this purpose, a kick-starter while larger multicylinder motors with magnetoignitions may be equipped with electric starters.

Small and middle-sized motorbikes with this type of ignition often have no battery at all. Consequently in such vehicles the lighting couldn't work unless the engine is running. In order to overcome this drawback magnetoignition vehicles, too, have been fitted with a battery. But although in such cases the battery is charged by the magnetogenerator, ignition and lighting circuits are separated in such a manner that the battery has nothing to do with the ignition.

For this type of ignition system the hypothesis of a self-start being induced by a ionization breakdown becomes nearly untenable, the more so, as the piston in a single-cylinder two-stroke engine always comes to rest near bottom dead center (B.D.C.). At this position there is no longer any compression in the upper part of the cylinder and the breaker points are closed.

There is, however, a multitude of hybrid ignition systems incorporating elements of the battery ignition as well as the magnetoignition. In my list of possible self-starts there are five entries where the vehicle involved was a motorbike or scooter of some sort. Unfortunately, in only one case the report states the type of the vehicle as being a motorscooter. As it is not at all an unreasonable assumption that some of those motorbikes were equipped with simple magnetoignitions I will briefly discuss them.

Brosses-Thillot, France—14 Oct. 1954.

This event has already been described in the section on Vehicle Interference and Distance. There is no statement concerning type of motorcycle and ignition system in the report. The fact that the observer pushed his motorbike in the direction of the UFO, instead of using his kickstand, could perhaps indicate that it must have been a light vehicle, possibly even a bicycle with an auxiliary engine which was at this time fairly common in France. For light motorbikes there was practically nothing beyond magnetoignitions at that time.

Liernu, Belgium—Nov. 1966.

This encounter with a UFO happened at the same road as the Aische-Liernu case seven years later (24 Jan. 1974) described above. The vehicle involved was a 49 ccm single-cylinder, two-stroke, "Flandria" motorscooter. Although in one statement the witness is quoted as having said "my first reaction was one of fear, because my machine was stopping" there are other, more weighty statements according to which the vehicle didn't stop and the engine continued to run. The driver had, however, to gear down from third to second and then to first without being able to obtain power from the engine. When the UFO was 50 meters away from the scooter "there was a shock, a jerk and my machine made a leap forward, which I had some difficulty in controlling." This case is either inconclusive or, I suspect, it could really have happened in the manner described as the result of a transient ionization around the breaker points and its sudden breakdown.

Castanuelo, Spain—1970.

A motorcyclist was driving on a mountain road, when a light appeared to the left, sitting on a mountainside. It crossed the highway lighting up the countryside like daylight. The witness thought he had braked his motorcycle, but when the light flew away, the engine started up again with no action on the driver's part. No information is given about the type of the motorcycle. On the basis of the description one could, perhaps, assume that the engine stalled and the vehicle came to a complete stop, but this could be contested and it is a pity that this report isn't worded more precisely.

Isabel, Argentina—27 Sep. 1972.

This self-start incident happened on the grounds of an automobile assembling plant. No UFO was seen in this specific case, whose phenomenal characteristics are partly those of a ghost story. Nevertheless, there had been UFO sightings by others around this time and in this area. It was at night, when the driver of a motorcycle runabout perceived a bluish-green humanoid apparition standing behind a stack of car chassis. When he was about 30 meters away from it his exhaust backfired, the motorcycle started to shake, the engine's rpm slowed and it began to sputter. He changed into second gear but the machine only moved forward slowly and then, inexplicably, it stopped when it was even with the apparition.

The witness experienced an unbearable hum in his ears, an itching sensation throughout the whole body and a spastic paralysis in his upper and lower limbs. Yet, he was unable to keep his position on the vehicle. Although it was a cool night, the area around the phenomenon was very hot and there was a smell of burning oil in the air. From the report it is not at all clear how the entity disappeared, but it seems it was just after that the motorcycle suddenly shot off towards the left, made a leap forward and the engine began to run normally again. Later it turned out that the confrontation with the entity must have lasted 17 minutes although the witness estimated this time no longer than 30 seconds. He suffered physical aftereffects and his wristwatch was highly magnetized.

The same type of apparition was seen only 5 hours later (28 Sep. 1972) by the driver of a Dodge dump truck in another part of the plant's grounds. Nothing happened when the spectre was close by the driver's cabin, but when it had walked approximately a car's length in front of the truck, both the lights and the engine suddenly failed. The driver experienced the same effects as those mentioned in the previous case. The report states that all effects automatically vanished when the apparition had gone off to a distance of 25 to 30 meters. Again, colloquially, the wording is not at all satisfactory. Strictly, the 'all' could mean that the engine,too, came on automatically by itself.

The reports available do not state the type of the vehicle involved in the first case. One report, however, mentions a 125 ccm engine and that at no time during the encounter it came to a complete stop.

In another report there is a photo showing the vehicle seen at a narrow angle from the front. It cannot be said for sure whether it is a three-wheeler, the loading platform being rigidly connected to and part of the vehicle, or a normal scooter with a separate two-wheeled trailer.

The thing looks somewhat like a Vespa (Piaggio) but the local representative couldn't identify it and suggested there possibly had been some custom-built modification. In case of a three-wheeler, the peculiar behavior of the vehicle when the engine began to run normally again, could be the result of the vehicle being driven by its rear wheels but having no differential gear.

Heathfield, England—10 Nov. 1972.

A teenager on a motorcycle noticed his lights dimming. Then they went off completely and the engine stalled. While checking the engine, the witness smelled something like the smell produced by electrical arcing (ozone?), and he saw a glowing white blob hovering nearby. After a few seconds it sped away and the motorcycle started by itself. Again no information concerning the vehicle is given, but if the report as such is correct, then vehicle and engine must have been at a standstill prior to the self-start.

Self-Starts and Modern Ignition Systems

Due to the requirements of environmental protection demanding the reduction of fuel consumption as well as the improvement of combustion, transistorized ignition systems operating electronically are gaining more and more in popularity. Many of them have contactless pulsegenerators instead of the old-fashioned mechanical breaker. While it is conceivable that in them ionization could still play a role in

causing their failure the mere breakdown of it would no longer fire a cylinder. As far as the starting procedure is considered, electronic ignitions with pulse generators behave more like magnetoignitions, i.e. the mechanical cranking of the engine must come first before the initial spark is generated.

As the hypothesis of an interference from higher dimensions is only a very general one and not worked out in detail (some will doubtless tend to relegate it rather to the philosophical field than to the physical) it is impossible to speculate about the sensitivity of electronic ignition systems against this hypothetical sort of interference. Yet it would be interesting to learn whether self-starts have or have not occurred in systems with pulse generators and whether they will continue to occur in the future when the breaker ignition will be a thing of the past.

Anomalous Transmission Behavior

Could it be, that certain forms of anomalous transmission behavior point toward a higher-dimensional interference? There are a few cases where transmissions apparently have acted as enigmatically as self-starting engines. When transmissions are defective it may sometimes happen that the gearshift lever jumps to the neutral position when the clutch is let in, or when a load on the gears increases. Driving is, however, still possible when the gearshift is held in position by hand. The opposite that a gear shifts by itself, generally, is considered impossible. Yet, exactly this is, at times, alleged to have happened during car/UFO encounters.

On June 29, 1968 the occupants of a car driving on National Highway No. 5 near San Luis del Palmar, Argentina, saw a circular, flattened object emitting a vivid orange light. When it passed close by, the car was shaken violently and the gears went into the reverse, and the car moved backwards. Nothing is said about the working condition of the car when this happened. Nevertheless, it is an interesting case, if one considers that the reverse gear is far less frequently used than all other gears (and often not at all easy to shift into!).[2, 30]

In the Farm Creek, Utah, case on the night of October 11, 1967 an old truck that had been push-started because the battery was dead, was driven up the mountains on a logging road. Naturally its driver was busy keeping the truck going. Suddenly at a distance of about 200 yards he perceived a big ball of light approaching the truck until it was about thirty to forty feet away. Then it moved above the truck. The area around the vehicle was as light as day. Although the driver had both hands on the steering wheel, he suddenly observed the gearshift moving from low to compound. The driver apparently regarded the light as something endowed with intelligence (by the way, not altogether a rare impression when witnesses have been confronted with ball lightning-like phenomena) because he remarked: "When I saw this (the gearshifting) happen, it somewhat assured me, that if they would shift gears for me, they wouldn't hurt me, and I felt a little better."

According to the investigator, the driver later "had apparently come to realize more and more distinctly that he had not actually seen the gearshift move. Rather, he knew it was in low at the bottom of the mountain, in compound at the top, and that he had not shifted."

But then the investigator adds: "Even there is a little doubt ('Now whether I did or whether I didn't, I don't know...')."

The investigator formulates his opinion regarding the matter of the gearshift thus: "The concept of the UFO pilot remotely shifting gears for Dick brings up such formidable problems of physics that it becomes much easier to imagine that in the excitement of the event, Dick did shift the gears himself — but quite unconsciously — so he had no recollection of the action whatsoever."

Certainly this investigator did the questioning of the witness in a scientifically correct and unimpeachable manner, with the sole intention to reveal the truth and nothing else. Yet it is an at least equally reasonable hypothesis, that the gearshifting took place as originally described by the witness, but that, due to an unconscious witness/investigator interaction the witness sensed the doubts the investigator had and so finally pleased him with a non-committal statement, perhaps also because he himself, feared to be regarded as a fool.[27]

On February 14, 1974 at 4:15 am on US-Highway 93 near Ely, Nevada, two brothers driving a truck loaded with furniture, encountered four round balls of orange and bluish-green color. There were two blasts of air and the driver had the impression of the truck floating without his having any control over it. The headlights were flickering off and on, the engine was missing and losing power, although the driver pressed his foot on the accelerator pedal. Then the truck stopped. One of the brothers got out with a flashlight and, looking under the truck, he saw that the driveshaft was turning although the other brother in the cab observed that the gearshift lever was in neutral. One of the lights was then seen about 150 yards in front of the truck. When it seemed to come nearer, the two brothers locked themselves inside the cab. The light moved by the truck and then all was over. During the encounter the engine was running and the truck's lights were on.

There was also a (not uncommon) psychic phenomenon connected with this event. The parents of the drivers, sleeping at home, miles away from the scene, were awakened by the shaking of their cot, the mother hearing one of their sons saying "Mom."[18]

The investigation showed, that the rear axle of the truck was broken on one side. Therefore the driveshaft could actually have been turning, due to the differential effect if the truck was in gear and the engine running. But if the driver in the cab had observed correctly, the gearshift was in neutral, out of gear, i.e. the driveshaft couldn't have moved. Unfortunately, there are no technical details to be found in the report, and type of truck and gear are missing. In manual-shift gears a slight torque can be transmitted to the driveshaft even if the gear is in neutral, due to the viscosity of the lubricating oil. This can happen preferably when the lubricating oil is cold, a condition that was probably not fulfilled in this case. But even then, the power transmitted to the driveshaft would never have been sufficient to overcome the internal friction in the differential gear, regardless of the broken axle. In some of the various automatic gears an inexact adjustment of the neutral position could perhaps more likely produce such an effect, but probably the drivers would have noticed this at the start of their journey. There is also no mention of a gear malfunction prior to the event, nor of a corresponding repair thereafter.

Lasting Physical Damage

The presumed interaction between the UFO phenomenon and vehicles has often led to lasting physical damage of

spark plugs, batteries, distributors, headlights, wiring, fuses, etc. In self-start cases, too, it has been reported that vehicles developed all sorts of trouble after the event, while they had been in good shape prior to it. The damage of electric or electronic components can be understood in present terms of microwave interference, eddy currents, shorting of circuits by ionization, etc. "Old fashioned" mechanical damage, however, is not so easy to explain.

Although it is perhaps too much to speculate, I have often asked myself what degree of interaction the hypothesized higher-dimensional interference in our world could take on. It is conceivable that there could be three levels or degrees of interference, so that its effects within our three-dimensional space would

1) not go beyond the margin or degree of freedom of causality as we understand it presently,
2) be recognized by us as being non-causal (provided there is a theoretical framework that is already accepted!) but would not interfere with the causal development of other, conventional events,
3) be physically contradictory to, or inconsistent with, other events.

Events of the first category would very probably go unnoticed. The second category has a chance of being recognized as paranormal or non-causal. There will, of course, be a strong tendency to push conventional hypotheses to their extremes in order to explain events of this sort. In my opinion, the self-starts discussed in this paper could, perhaps, belong to this group.

The third category of effects could be those responsible for lasting physical damage. Higher-dimensional causes leading to effects physically inconsistent with conventional events caused from within the three-dimensional world could, for example, create excessive stress in mechanical parts causing their permanent damage.

Some Final Remarks

I had once suggested that all phenomena experienced by the witness during a UFO event could be what I have called "percipient-dependent components" (PDCs) and should be regarded with caution because at least a part of the PDCs could be non-real, i.e. only in the mind of the percipient.[28]

In this paper I have deliberately tried a different approach because there are at least a few self-start cases where we are entitled to assume that a possible influence of the UFO phenomenon upon the perceptive system of the witness could no longer have been effective and also because vehicles involved in self-starts have suffered lasting physical damage. I am, of course, anything but happy with a hypothesis that is, in its present form, neither falsifiable nor possible to be pushed much further at this time. It is presented here in the hope that perhaps some other, more competent student, will be able to connect it with insights gained from other fields[11,12,13,15] and so can make something of it.

Investigators should be more aware of the self-start problem and should more consciously try to ferret out such cases. The theoretical as well as the actual adjustment data of the engines and ignition systems involved must be secured in every case in order to verify or refute possible conventional causes.[17]

The hypothesis proposed in this paper should, however, be used very carefully. One of the most important criteria in evaluating UFO reports and the reliability of the witnesses, is the internal consistency of the narratives. But if the investigator has to accept by definition, so to say, inconsistencies and non-causal events as real, then he is in a serious dilemma. It must be realized that, independently of the self-start problem, the indiscriminate use of higher-dimensional hypotheses could have an adverse if not destructive effect on scientific methodology, this being probably one of the reasons why many scientists shy away from such an approach or are even hostile towards it. And yet it is a fact that since the earliest days in the late forties, the history of the UFO phenomenon and its investigation has been littered with all sorts of rather spooky, non-causal events "driving" investigators to the verge of paranoia. But exactly those events — if true — would constitute candidates for an interpretation in terms of a higher-dimensional interference.

From Dunne's writings it is evident that he thought the travelling field is associated with the human individual, or at least some living beings, i.e. with some form of intelligence. But as he was mainly concerned with a reconciliation of human free will, determination and precognition this was rather a priori assumption than a *conditio sine qua non.* In my opinion there is, even within Dunne's theory, no reason to assume that a non-intelligent, natural force or cause, could not interfere with world-lines in the same manner. It may be mentioned, however, that the German astrophysicist Zöllner (1834-1882) used the concept of a fourth dimension in order to explain seance phenomena produced for him by the then famous American medium Slade. Zöllner was convinced that intelligent spirits use the fourth dimension in performing phenomena that are inexplicable within the framework of a mere three-dimensional world.[31]

But I feel that for the purpose of the self-start discussion this question can and should be left aside because at this stage it would rather tend to confuse the issue instead of contributing to a methodically valid hypothesis. Nevertheless, I came across a funny story when this paper was just about to be completed.

It happened, allegedly, some years ago in the Tyrol. There was a fire on a farm and when the fire brigade arrived they found the tractor, that had been garaged in the barn, overturned at the bottom of the slope by the house. There was not a single witness and it was never explained how the tractor got out of the barn and down the slope. The farmer, at a loss of another explanation, believes that the vehicle must have started by itself "in order to escape the fire." A touching example of magical thinking in a technical world!

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Not content with this information however, I have, together with some mechanics, conducted a simple experiment. The engine of a 1984 FIAT UNO (four-cylinder, 1100 ccm, 50 HP), was normally started with gears in neutral, then the ignition was switched off and the engine was left to "run out" by itself. After this the ignition was switched on and the breaker was checked with a test lamp. We made 25 trials, varying the speed and running time of the engine, but in every trial the breaker was closed again after the engine had come to a stop. The same experiment was repeated with a 1970 Volkswagen VW 1200 with the same results.
33. In the rear engine compartment of the Volkswagen (see preceding note) the pulley on the crankshaft is easily observable and accessible. By applying markings to the pulley it was demonstrated, that the crankshaft always came to a standstill at certain desginated positions, as expected. Just before the pulley stopped we could see it turning back a little, due to the balancing effect between the two cylinders. Then one of the mechanics demonstrated, that almost immediately thereafter, the pulley could be turned by hand in any desired position, thereby proving that all compression was gone.

Related SITUation

New York Times, Oct. 25, 1930—that about forty automobiles had been stalled, for an hour, on the road, in Saxony, between Risa and Wurzen.

About forty chauffeurs were probably not voiceless, in this matter; and, if the German Government were experimenting with "secret rays", that was some more of its public secrecy. In the *Times,* Oct. 27, was quoted the mathematician and former Premier of France, Paul Painleve' — "No experiment thus far conducted would permit us to credit such a report, nor give any prospect of seeing it accomplished in the near future."*

*Wild Talents, *Charles Fort, pg. 187, 1932, J.J. Little and Ives Company, N.Y.*

Attention Forteans in the New York Area!

Are you suffering from Fortean fatigue? Are you alone in a boring world of greed and rank materialism? Do people ignore you when you talk about ABSM, apportations and skyquakes? If you live in or near NYC you qualify to attend the monthly meeting of the New York FORTEAN SOCIETY. Meet people who share your interests, hear top authors lecture on Fortean subjects and join us for exciting field trips to weird Fortean sites in the tri-state area.

NYFS is a proposed non-profit organization. For full particulars and an invitation to the next meeting, please send a stamped self-addressed envelope to: John A. Keel, PO Box 20024, New York, NY 10025.

John A. Keel is an author of UFO books and magazine articles.

Prediction Before Prevention: The Geological Background

by Andrew Davie

New survey techniques originally developed to investigate fires are revealing that earth-energy stresses can be defined so precisely that illnesses and deaths can be predicted. Andrew Davie, FGS, of Geo-Rheological Surveys, warns of the dangers involved in attempts to interfere in natural, cyclic phenomena.

Down through the hoary mists of time, myths, legends, folklore, and old wives' tales there runs a golden thread of truth. Religious mumbo jumbo, cult and voodoo practices from all ages, cultures, and continents have glimmers of knowledge known in the past of why — for no apparent reason — men die.

Some of these stories tell of a person bursting into flames, consumed in a ball of fire. Other stories relate how great men of knowledge pass on to higher levels at an early age, their bodies racked with a terrible illness. The bones of some poor person wrapped in bandages found in the Egyptian tombs show signs of arthritis. Death and illness played just as important part of history as it concerns everyone who considers their own destiny. We die a quick death, or a slow death, at some period in time. Few people have tried to find out why.

Research into cases of human spontaneous combustion has shown some remarkable results to show that death is not what it seems. These horrific deaths of many men and women recorded since written history began, show that on occasions even their clothes are not even singed. Yet, all that is left of what was a living, loving human body is a small heap of carbon. What triggered off this research into the frightening deaths was that one case, in 1970, occurred at a predetermined time and location, set out numerically from other forms of geophysical phenomena. The death had been forecasted.

In the following months, a series of similar deaths were also found to occur at specific locations, at preset times of potential hazard. Setting the firegrounds out on OS* maps, it became obvious that a geometric pattern was being followed. The distance between each site obeyed a Time = Distance syndrome, where several of these distances were identical, and precise to a few inches error over several miles distance.

A similar study of human spontaneous combustion using case histories in America illustrated that a death in the east coast could predetermine a death under these strange circumstances in San Francisco, Hollywood, or Canada. The distances between these firegrounds appeared to obey the same Time = Distance syndrome as elsewhere. Calculations to determine the common factor found these distances were multiples of 3.089764481 Feet Scotch.

The atomic weight of Phosphorus isotopes is approximately 3.09 AW. The common factor in all these deaths had been established.

Efforts to find the statistically significant number of all spontaneous combustion fires, ranging from haystacks to multi-million pound/dollar holocausts, found that 93 per cent of these fires could be forecasted. In haystacks where a fire occurred at the predetermined time, an animal was found to have died at the same moment. The number of these reports indicated the phenomena was no random, or isolated case, but occurred too often. These fires and deaths followed a geophysical pattern.

Fires in factories and houses were examined in detail. An accidental fire seldom reaches a full-scale alarm. Where a fire occurs at a predetermined location, the spread of flames is generally within the first few seconds.

The time of call-out is often precise, or within a few minutes of the forecasted time of hazard, in some cases submitted to the Senior Fire Officer at brigade headquarters. Setting these fires out on OS maps, the progression of geophysical phenomena allowed ample time to identify other areas suspected of becoming unstable.

One of the odd features recognized in these major fires was the color of friable material. It appeared that this color obeyed a spectra based on Time, and progression of the geophysical phenomena.

Collation of data on these colors eventually was to prove invaluable in the understanding of many other facets of the Catastrophe Theory. All the sites investigated where these fires had occurred had been forecasted as potentially dangerous.

Soon this color phenomena allowed a more precise timing of the event to be identified. A second survey was requested by the authorities. Setting out a series of map references, within hours of the list being submitted, fires were reported at the times of hazard lodged with these officials. However, one fire apparently was not reported for the last location on this list.

A site survey found that in place of fire, the house owner had died of cardiac infarction. The time of death was precise to the submitted time of danger for that site.

Further surveys found that other predetermined areas were the addresses of persons whose names appeared in the death columns of the daily papers. A full survey was undertaken to establish the statistically significant number of natural deaths capable of being forecast. The first of these six monthly surveys indicated that 98-100 per cent of all natural deaths were capable of being forecast.

Five subsequent surveys failed to alter these percentages. Since these initial surveys, no alteration has been noted; deaths from cancers, cardiac infarction, and other well-known causes have confirmed the earlier statistics.

The problems of forecasting were investigated to see if prevention of the causative energy could be identified. The more knowledge gained from this field of research, the more

*Official Survey

it was realized that the subject was not a simple matter, but a highly complex system of Time = Distance = Elements and Color and Tonal Harmonies.

For instance, in criminology it was found that in a survey of all capital crime since 1950 the death of a person by the actions of a deranged person the suspect obeyed a numerically positive scale of physical features. This scale allowed the description of persons liable to commit a crime, from capital crime to petty theft, to be collated for periods six months before a crime was carried out. Using the calculations, it was also possible to determine the habitat of the criminal.

While many experts in the field of criminology may hold various opinions of their own, the statistics built up over the last ten years indicate that the criminal is not responsible for his actions.

Site conditions can, and no doubt do play an important role in causing the schizophrenic behavior in many cases, but the underlying energy force can be analyzed to show the problem is basically an allergic reaction.

Plato, 2500 years ago illustrated in his narratives that the criminal is not responsible for his actions. It is the parents. A child conceived when the parent is under the influence of alcohol, drugs or disease, is born with defects in its blood system. The child is subjected to cyclic periods of abnormal behavior patterns at predetermined periods throughout its life.

The life history of many well-known criminals, some who have murdered on several occasions, all show the cyclic behavior patterns associated with the date and time of birth and conception.

The present trend of irresponsible parents who procreate while under the influence of drugs, will result in a generation of men and women who will constantly break the common laws of rational behavior, unless medical action can be taken to remove the allergic symptoms.

Research into DNA and genetic engineering has shown some remarkable new insights into the mysteries of life. The recent published maps by the British Geological Survey have also shown the coincidence of many forms of illness can be identified from the lack of trace elements in the substrata, or drinking waters. The effect of the lack of these trace elements in matters of public health is not a simple problem to solve. Other causative effects play an equally important role. One person native to an area may show signs of health deterioration, while someone else in the same house can become ill from an entirely different symptom. The situation becomes even more complex when diets are examined.

Too often researchers examine only one part of the whole picture. The triple aspects of heredity, environment and diet must now be assessed against a geological background, on a Time = Distance basis. Only then can the analysis be seen in the context of Catastrophe Theory.

Cancer research over many years has been the sole domain of the medical specialists, who have channelled many millions of pounds, dollars and marks into the coffers of their establishments, without any equal sign of success in their efforts to combat the degeneration of the patients. Any amateur dowser could have told them where to begin their researches.

The more professional dowser knows that the problem of identifying illnesses with substrata aquifers is not as simple as it may appear.

A civil engineer or a geologist can explain that aquifers are not stable waterways below the earth. The path can vary according to the type of materials through which the water flows. Water is not a stable combination of hydrogen and oxygen, as many people believe.

Few scientific establishments have researched into the behavior of H_2O. What may seem to be a harmless liquid can suddenly become a highly destructive and lethal substance, and revert to the harmless liquid with equal speed.

In 1936, when it was discovered that fog could destroy concrete and roadstone, few scientists would believe it possible. Anomalous water, as it was later named, was shown to be part of the causative energy in machine failures in many types of factories.

In 1973, it became obvious that anomalous water was associated with spontaneous combustion. Prof. Symons and his colleagues discovered that anomalous water could be recognized as ionized H_2O, and developed into many forms of unstable atomic structures.

Today, it is recognized that in the unstable state, radio frequencies are emitted by these droplets of water suspended in the atmosphere, or in substrata liquids. At specific times, these radio frequencies alter, and the harmonics in the gamma, ultraviolet, and infrared wavebands affect materials within the same harmonics.

When this natural phenomena occurs, serious, and often fatal conditions exist.

The change from stable to highly unstable elements obey the Time = Distance = Element syndrome which can be set into the forecasting program. For any amateur dowser, or even a professional surveyor to attempt to interfere with this natural process, is highly irresponsible and potentially dangerous, unless he can calculate the progression of geophysical phenomena within the Catastrophe Theory.

The difficulties faced by someone who wished to investigate or prevent the death of a friend who has been diagnosed as having cancer, or other illness, and who has identified an aquifer below the patients' bed, or house, soon become apparent. Elimination of the energy generated by the aquifer does not necessarily remove all energies.

The energy removed may be the one beneficial forcefield, while the remaining more powerful causative wavebands continue to degenerate the living tissues of the patient.

While no positive reports are available, it is possible that an amateur could remove energies which would allow an equally serious incident to occur. More so, now that seismicity is being considered within the scope of health degeneration within the Catastrophe Theory.

Dr. Marsha Adams, Stanford Research International, Menlo Park, California, found excessive bleeding in postnatal operations.

These seemingly unusual cyclic occurrences suggested that other factors were involved, and the bleeding was not through medical neglect.

Looking at other forms of cyclic deterioration, Dr. Adams began to look into the background stories of a host of reports on these cyclic events. The collation of data also pointed out that the times of these incidents were closely associated with the occurrences of earthquakes.

The information passed to the Scottish research team allowed the historic data from the archives to be examined in depth. It was realized that seismicity was also obeying the Time = Distance = Element syndrome. Soon every earthquake worldwide within specific range of 4.5 Richter could be forecast to precise limits.

The methods used to define an earthquake were applied to many incidents on a worldwide scale. The "Missing

Children" scandal in USA obeyed the strict criteria of the calculations, and unfortunately found that most cases could be considered to be homicide, or murder.

Data processing the calculations on seismicity, the updated program showed the recent earthquakes in China and Mexico City had been forecasted as early as 1980 and 1979. Both the time and distance in all these forecasted quakes were found to be correct to the forecasted program by fractions in both time, and space.

When it became obvious that the chemicals, or color, played an important role in all the cases examined within the Catastrophe Theory, the elements were considered to be capable of being analyzed to produce a forecasting program. We examine the theories of Walter Russell.

Tracking the Causative Energy

Russell had suggested some years before his death that in the Atomic Periodic Table there were several weights which could contain as yet undiscovered elements.

Science has since confirmed Russell's theory. However, it appeared that he made several minor mistakes. Rectifying these mistakes indicated that the atomic periodic time scale was not only incomplete, but that it obeyed a Distance computation.

An earlier search of historic information had discovered that in antiquity various civilizations had worked on atomic theory. Applying both the ancient names and the modern elements to this new scale, it became clear that many old names could not be set against any modern counterpart. Many of the ancient names represented organic elements. The name of Poll was found to be of the same wavelength of pollen, taken from several flowers.

Checking out case histories of known geophysical phenomena, the date and time of incident could be analyzed against the chemical known to have caused the spontaneous combustion, or other incident. What had previously been unrecognized facets of the natural process and progression, now could be traced back to the initial causative energy by the use of the numerical formula.

Illnesses such as cancer, cardiac infarction, multiple sclerosis, arthritis and schizophrenia became a series of numbers which could be identified as a natural cyclic process, and located on large-or small-scale O.S. maps.

Dangerous Interference

Efforts to prevent machine failures, and later major fires, allowed the recognition of the difficulties faced in the removal of the causative energies of these geophysical phenomena.

One slight mistake could result in the death of the person whom the survey was attempting to protect. While the habitat of the patient could well be protected, the amateur surveyor would not be aware of the problems created elsewhere.

The strange story of the occurrence in Buenos Aires on March 21, 1936, where an entire house exploded, killing the owner was, according to the witness, caused by the interference of electromagnetic energy. A house in Glasgow which blew apart, fortunately did not kill anybody.

An explosion which ripped a massive silo in two was caused by a faulty earthing wire, at a time when there was no lightning storm. A French priest was killed attempting to degauss natural energy.

In America, a resonance pyramid caused so much interference with radio broadcasts that the police had to blow the place apart.

A laboratory near Edinburgh was radioactive for six weeks after an experiment with a spoonful of salt solution.

A recently built, specially designed aluminum structure has had to be "earthed," or serious damage could have resulted and could affect the owners health.

The dangers of any person attempting to interfere with nature are real. Anybody carrying out an experiment which goes wrong could be in a position where the police refer the case to the DPP/Fiscal, and charges of manslaughter or culpable homicide could be laid against the person carrying out the survey.

Whether the person carrying out preventative surveys is a professional, or an amateur, contravention of the rights granted under patent seal to Geo-Rheological Surveys Co., Ltd. will result in legal charges being brought against the surveyor, and substantial damages will be requested, if the courts favor the plaintiff.

The directors of Geo-Rheological Surveys Co., Ltd., regret that they cannot accept any cases, unless referred by the patients' own medical advisor, specialist, or other authority, except in special circumstances.

Any medically qualified person, including radionic practitioners, or those who practice alternative therapies, who has any difficulties in diagnostic investigations, can avail themselves of the information on geophysical phenomena within the Catastrophe Theory by writing to Geo-Rheological Surveys Co., Ltd., 23 Norwood Ave., Alloa, Clackmannanshire FK 10 2BY.

Licenses are available in various parts of the country to assist in surveys to determine whether an illness is caused by natural geophysical phenomena, or to investigate the causative energy of most degenerative illnesses of the human body.

Where the illness is causing problems to animals, our veterinary colleagues are available to advise the owner's own vet.

Several medical homoeopathic doctors are also available to give more specialist advice where normally the health problems are outside the scope of the company's range of operations.

Case Histories

The daughter of a medical specialist had never been in good health since born. The date and time of conception allowed calculations to determine that seismic activity was responsible for the health problems.

A homoeopathic doctor was asked to prescribe one dose of the correct chemical, at the prescribed time. The girl is reported to be now 100 per cent healthy.

A girl who had two serious depressive illnesses was examined by study of her personal history. The cause of the illness was recognized as seismically induced.

The change from a listless, ill-looking person, to a lighthearted tennis-loving healthy person in a matter of ten minutes, astounded the mother and medical specialist who witnessed the complete change in this eleven-year-old girl.

Calcium Deaths

A medical specialist from the World Health Organization requested an investigation to resolve the deaths across the world from prescribed calcium tablets. The pharmaceutical researchers apparently have tried to isolate the cause of these deaths, over a period of 100 years the problem has been known.

It took two minutes to recognize that the change from stable to highly unstable conditions of the calcium was the result of seismicity.

A patient diagnosed as having terminal cancer is now, according to her own medical specialist, free from the illness. There is a scar on her lungs which requires to be examined regularly, but the patient reports she is feeling as fit as a person half her age. Treatment lasted 18 days.

A sufferer from Multiple Sclerosis reported he was like a zombie. Tests showed the prescribed dosage of drugs was twice the permitted amount. The patient could not cross the road without assistance. Nine days treatment, without drugs of any kind, and he reported feeling much better. Six months later, he was dancing with his wife at a party, something he had never been capable of doing previously.

The cause of his illness was traced to two seismic events during the foetal period in his life.

A second patient suffering from Multiple Sclerosis was found to be born at the precise moment of a minor earthquake in the area where her parents lived. Had it not been other incidents were on file within this area, at the precise moment of this birth, the connections between seismicity and Multiple Sclerosis would not have been so positively established.

Patients with allergies of many shades and symptoms have been investigated. Patients in America who report some form of illness which their own GP has failed to diagnose, have been found to conform to the seismicity in that country. A period ranging from a few days to nine days treatment appears to remove the cause.

One patient, who appeared to have a multitude of symptoms, was found to be allergic to the diesel oil from her car, which she drove six years previously.

A woman diagnosed as having cancer apparently died three days after being examined. This woman would not go to her own GP, and her life could possibly have been saved.

The cause of the illness was traced to the water supply, where the excessive calcium content not only affected her body by allergies, but could be traced to the heavy reaction in all aluminum-based utensils in her house.

Descriptions Calculated

A very beautiful woman was found to have cancer by her own family doctor. Treatment in the infirmary appeared to only reduce the progression of the disease by a few weeks. An examination of her case by numerical data processing indicated that the cause of the illness was a reaction between the substrata chemicals inherent in the rocks, and nitrophosphorus fertilizers in the food which she enjoyed.

Excessive allergies to wheat products could well have been diagnosed at a much earlier stage in the progression of carcinoma.

Two incorrect dates were given by parents of a seven-year-old boy who had treatment in a hospital for rheumatoid arthritis. Calculations rectified the mistakes, and allowed the home of the family to be identified on an OS map covering 6,000 square miles.

The date, time and location of a triple fatal car accident illustrated that the driver of one vehicle had had a heart attack driving at 70 mph, and as the car swerved across the carriageway collided with the oncoming car.

Calculations allowed the description of the deceased to be given to the witness, who confirmed the physical features.

The calculated descriptions of two youths wanted by the police were found to be the descriptions of the men who caused the deaths of 66 men in a football crush, by their abnormal behavior. A pyromaniac was identified through the calculations to determine the physical description of the suspect, from the date and time of the fires.

The young married girl who cut off the genital organs of her son with a razor, was found to live in a house marked as potentially dangerous.

The suicide of a respectable businessman could possibly have been avoided. His house was used as a marker in the computer program for forecasting areas of hazard. The calculated description was found to be correct when the body was identified.

After a series of incidents, the house of a healthy woman appeared on the OS maps as potentially dangerous. Information was given to this woman's doctor regarding the possibility of the development of carcinoma. In due course, the woman appeared in the surgery, eventually to die a year later.

This case was one of the first to be predetermined, and no blame can be levelled at anyone for this death. The conditions of progression were not understood at this time.

Some years ago, the world famous athlete Lilian Board was reported suffering from terminal cancer. From a published picture of Miss Board, the description allowed calculations to be carried out to determine the date and time of death.

This unfortunately was confirmed by the untimely death of this brave woman. In the future, the knowledge gained in this case could well be used to prevent many thousands of similar illnesses.

*Andrew Davie sounds a strong warning in the wake of Anthony Scott-Morely's article on geopathic stress (***JAM***, May 1985).*

"Our company has over the past 20 years examined over a quarter of a million cases of health deterioration, and deaths, and can with some authority confirm what is written in this article is correct, factual and capable of being proved conclusively. However, this description by Scott-Morely can be likened to a description of a bush at the edge of the Amazon jungle. To even attempt to carry out a survey as suggested in this article is liable to contravene the old Dampnife Acts, and even possibly the Criminal Acts concerning manslaughter and culpable homicide."

(reprinted with permission from Journal of Alternative Medicine, *April 1986)*

Editor's Note: After his article, "The Planetary Grid Revisted," appeared in ***PURSUIT***, 19, #2, John Sinkiewicz was kind enough to contact Andrew Davie who, in turn (via John), sent and gave us permission to use this article that originally appeared in the British journal, *Journal of Alternate Medicine.*

Needless to say, not only the prospect of understanding the elusive phenomenon of SHC but correctly predicting when it will occur deserves our attention and other scientific investigation, as well.



Notice

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Conference Reports

In Search of Mysteries at the AAAS Convention

(May 25-30, 1986)

by Michael D. Swords

It is the business of Science to explore mysteries, of course, and so, in that sense, the entirety of the American Association for the Advancement of Science meeting was engaged in this pursuit. Several of the sessions were particularly of interest to students of anomalies, and some of these highlights will be described here.

Intrigued by faith healing? There was a whole-day session on the interplay between the Mind and the Immune System. Science is finally documenting what we knew all along: A stressful anxiety-laden mind state depresses the ability to fight off cancer and disease, while a positive and peaceful mind state can optimize the immune response. Eight experts from different medical research centers were unanimous that their research points to that conclusion. They were also unanimous in stating that they haven't gotten the mechanism figured out yet. For those who would like a bit of the technicalities: Stresses cause a reaction in the brain area called the hypothalamus, the area which governs the pituitary gland. At least two important hormonal effects occur: an enhancement of the now-famous natural opioids (especially Beta-Endorphin), and an exhaustion of the critical "energizer," nor-adrenalin. Up to a point the stress is good. It gets the endorphins and the pituitary hormones going, and these enhance the action of the adrenal glands and immune system tissues. Proper "mind-state" seems to generate the same positive effects, leading to an increase in "natural-killer cells" (good guys who kill cancer and bacteria). Too much stress finally exhausts the system and the whole chain of action begins to shut down, and the natural killer (defense) cells become inactive.

The *possible* relation to some kinds of faith healing is obvious. A positive, euphoric mind-state in one who previously was laboring in negativity and depression can cause a shift in immune activity possibly sufficient to conquer even cancer. A small test group of patients using "guided imagery" against cancer was reported upon. The results confirmed the concepts above. Positive hopeful mental images (fighting the cancer with symbolic thoughts, ala knights vs. dragons in a mental fantasy) produced a significant rise in natural killer cells and a near-significant rise in antibodies. Biofeedback aided the subjects in increasing this effect. Another single case was a bit mind-boggling and deserves passing on. A patient with multiple personalities was studied as to immune system activity. The activity showed *wild rapid significant shifts* every time the personality shifted! What power the "unconscious" control of the brain has! This last case is also a warning against putting too much faith in the measurement of baseline or "signature" data from a person by our bio-monitoring machines: Example, lie-detectors, and other devices such as eeg's and emg's (some mediums have claimed that changes in read-outs are evidence that another spirit is inhabiting their bodies during trances). This finding in the multiple personality case is good cause to doubt that.

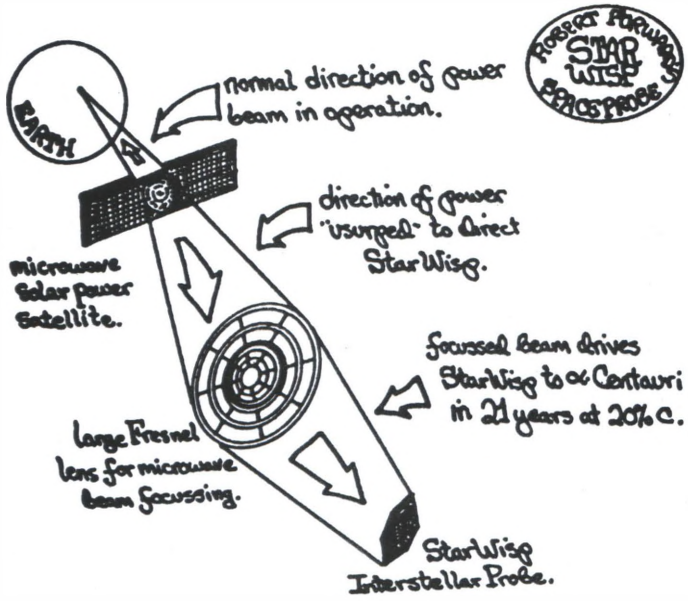
Interested in Michel Gauquelin's work on "birth skies" and correlations to ultimate professions? A quick sidenote in a session on chromosome abnormalities brought up an idea. Abnormalities in the sex chromosomes seem to occur *seasonally*, and no one knows why. The geneticists would *intuitively* guess that some annual hormonal cycle exists (maybe several) in *Homo sapiens*, and that this can subtlely change the fetal development environment and the sperm/egg-making process. Thus children born at one time of the year or another might have different odds of being sub-, super-, or merely normal on various "categories" of physical or mental abilities. It is known, for example, that the chromosome abnormalities mentioned above result in much greater odds of ultimate criminality in their victims. It has also been suggested that aggression in some forms may be involved. Other links to "handedness," verbal skills, and geometric spatial skills have been made. It's not hard to imagine how some of these congenital advantages or disadvantages would non-randomize the choice of "professions" for an individual. So, birth at some times of the year *might* in a statistical way increase or decrease certain opportunities.

What about possession or Dr. Jekyl-Mr. Hyde violence? A stunning and disturbing session on Neurobiology and Violence gave everyone something to think about. There is an important hormone in the brain (acetylcholine) which, when running wild, produces immediate biting, clawing viciousness. Animals have been turned on and off at will by manipulating this neurotransmitter. Several cases in humans show that the phenomenon happens to us, too. A wild story was told and you deserve to hear it:

> A young man with no behavioral abnormalities began acting violently and ended up brutally murdering an older woman. In the court investigation it was discovered that he had been poisoned by organophosphate insecticide. The substance degrades the brain system (an enzyme) which holds acetylcholine in check. Upon hearing of the case, a college professor decided to test whether this could be true. He fed his cat some of the insecticide. The cat became a "murderer" bringing *hundreds* of dead birds and mice into the house in a behavior never present before. Unfortunately, in handling the insecticide the professor also poisoned himself, became violent and aggressive and needed restraint by the police.

Amazing stuff, eh? The point is that "Alien" violence can explode out of animals and people if key mental control systems are derailed. The violence is "ego-alien;" there is no sense of "self" being involved in it. It is like a takeover. The second point is that there are probably *many* ways to derail the control system, not just organophosphates. Some drugs certainly must be able to do it. People can probably "psych" themselves into it by altering consciousness in certain ways. Multiple personality victims always have a violent personality, "who" seems to be focused in the right hemisphere area. One wonders whether internal linkages in the brain could push some people over the threshold in response to low-level external influences? Example: geomagnetic fields or old lunar light reactions in the pineal gland transferred to an effect in the hypothalamus which controls acetylcholine action. I can hear the psychiatrists howling at the moon already.

An interesting, if horrifying, case of a temporal lobe epilepsy victim was described. A young man with epilepsy focused in his right hemisphere (which results in an "ego-alien," "it's not me," action when it goes wrong) began having "fuzzy" periods when he would get psychic impressions that someone



Robert Forward's interstellar probe called StarWisp.

was going to harm a young girl. He warned his family of this. Weeks later he killed the girl in what he termed as a "Rite of Exorcism" by putting her in an oven. Later after "recovering," he was convinced that *he* had not done it, but that it was a demon.

On a bit lighter side, patients with the epilepsy focused in the left hemisphere don't go "ego-alien," but tend to emphasize verbal abnormalities. Many become fixated on religious and philosophical speculation. Some become "hypergraphic" and tend to write about these subjects at endless length. I've been trying to find an explanation for academic philosophers for years, and at last one has arrived.

Moving from biology to physics, interested in parallel universes? A quick note from the talk on the big hope for creating a unified-force theory for the Universe: the so-called String Theory. This idea pictures the fundamental constituents of the universe as vibrating ten-dimensional "strings," different harmonics of which account for the basic particles and their forces. Theoretical physicists seem quite fired up by this, but it's too soon to tell if it's just smoke. The theory predicts not only all the basic particles which we think we know, but a second, perhaps parallel, set of particles, the nature of which is currently unknown. This "other" set of "stuff" could conceivably be the base-stuff of a parallel reality — still a *material* reality — which rarely or never interacts with us, at least electromagnetically (i.e. via light, radiation, chemistry, EM fields: the usual ways we experience things). Some folks who like the idea of a co-existent universe from which we get occasional glimpses (Nessy? Sasquatch? UFOs?) will like toying with the idea, at least until the physicists decide that that's not what they had in mind.

Other physics sessions involved the search for large extrasolar (i.e. around another star) planets, euphemistically referred to today as "brown dwarves" — don't ask why — it's largely to avoid having to admit that the "other guy" was first to discover a real planet in another system, I believe. Well, these "dwarves" are showing signs of popping up about many stars now, and the researchers are getting more enthusiastic about the odds that lots of planets are out there. But can we, or "they," cross the distances between the systems?

Four spacecraft-design experts presented ideas which make the trip seem workable at 10 to 20% the speed of light. Most of the plans, Star Trek fans will be delighted to hear, involve antimatter reaction drives. The main problems (other than mining enough fuel, probably out of Jupiter's atmosphere) seem to be getting rid of the useless heat from our "inferno" engine, making and storing the antiprotons more efficiently, and not running into spacejunk at one-tenth C velocity. These folks didn't seem daunted at all by these problems. One designer, Robert Forward, took a totally different tack (no pun intended) by inventing a microwave lightsail. He showed his idea of an interstellar probe, called StarWisp, which, although 1 kilometer in diameter, weighed only 20 *grams*! Really. No science fiction involved; just very thin wire mesh and emptiness. It could be driven by a microwave solar satellite and a focusing lens to 20% lightspeed in a week, and get to Alpha Centauri in 21 years. Its microcircuitry array could then code light and colors and send us coded pictures in 25 years total. He also had a much larger design for a manned craft. Anyone for light-sailing in the stars? As Forward said, "Let's do it!"

As a last report relevent to anomalies research, the "contribution" of Paul Kurtz, the leader of the biased debunking CSICOP organization, needs to be mentioned. Sadly, he was there spreading CSICOP's odd vision of "scientificness" and "rationality" from the group's strange perspective of preconceived notions and denial of research into certain areas. An example of this vision is embedded in the following quote:
"Now akin to magic, a belief very widespread in our culture is the belief in prayer. This is *the residual belief of the primitive mind* that one can influence the deities who control nature and hence our destinies."

He seems to equate scientificness with atheism, and unscientificness with religion. He seems not to understand even the simplest fact about science — that it is *not* a belief system either for atheism or religion. His tossing off of prayer as something only in the primitive mind is not a statement relevent to science and not appropriate at the AAAS. His defense for this was one old study by Francis Galton which would never be defended by any scientist as a conclusive piece of data. And of course he spoke of no contrary studies. A "pause for contemplation" at least would be afforded by the inconclusive but intriguing ability of Franklin Loehr to demonstrate his "prayer power" claim in an experiment set up by the science TV-show NOVA. But since in Kurtz' mind such things can't be true (a priori apparently), he finds no need to document his opinions even at a science convention.

The balance of the talk was littered with the biased elitism and insensitivity which are beginning to characterize the CSICOP organization. An example of the bias: proudly setting up college courses with the express goal of deprogramming students (he used the terms "deconversion" and "cognitive therapy") from their beliefs in his self-selected targets — how's that for mind manipulation in the name of objective science? And an example of insensitivity: referring to American Indians doing the rain dance ritual as "savage men and women" — *whatever* dictionary definition one may claim to have meant by this, it takes a pretty obtuse individual not to sense the offense contained in such characterizations. Someone deserves an apology...a whole ethnic group, in fact. Poor scholarship, misrepresentation, elitism, mind manipulation, and insensitivity...a fine constellation of qualities for a talk at our finest science convention. Hopefully the *more* scientific members of CSICOP organization will get the drift of this ill wind and salvage the group before it does any more damage.

Progress of U.S. Psychotronic Research

by Thomas Valone with Lynn Surgalla

Introduction

This article is a report on the 1986 Annual Conference of the United States Psychotronics Association (USPA) held at Lake Forest College, in Lake Forest, Illinois, July 15-19, 1986. The *Proceedings of the USPA Conference, 1986* will hopefully be available about mid-1987, meanwhile audio and video tapes of the individual talks may be purchased from U.S.P.A., 2141 Agatite Ave., Chicago, IL 60625. Tapes and Proceedings of previous conferences are also available. In this article, while we *do* attempt to be comprehensive, we naturally, can cover only the highlights that we perceived to be interesting. For complete information, contact USPA at the address above.

Overview

I feel a kinship with the members of USPA, especially since this year I was elected to the Board of Directors. Over the past few years, I have presented talks on my own research while attentively marveling at the innovative work being done in a wide range of fields, all collected under the heading of psychotronics. For those unacquainted with the term "psychotronics" or the organization, a brief explanation might help. From a position paper by USPA, dated Feb., 1986, "The terminology of Psychotronics can be derived from its components, Psyche being mind and 'Tronics' meaning instrumentation. Psychotronics includes both radiathesia and radionics and extends well beyond these two areas and into examining the 'new physics' that is required to describe the above phenomena and other psychic events." To further explain the two new terms introduced, the paper also goes on to say, "Radiathesia uses a totally 'mind-constructed' pattern of charts, diagrams, etc. to analyze the characteristics of the subject, be it human, animal, plant, earth/mineral...Radionic devices use some electrical components which 'appear to tune' to an emanation from a 'sample' or 'witness' which is placed in or on the 'input well'..."

However, psychotronics is more than the above. As USPA President, Dr. Bob Beck explains in a recent *President's Message,* "Research ranging from 'scalar' physics, psychoactivity, electronic medicine, health and consciousness enhancement, to more esoteric new-age instrumental 'magic' has kindled a wide inter-disciplinary data base and harvested lots of workable hardware." With such a broad base of input and an open acceptability to new ideas, the psychotronics movement, crystallized by the USPA, remains *today's most progressive scientific community.*

The USPA was formed in 1975 by Mr. Jerry Gallimore, who organized the first conference in Indianapolis and named it the U.S. Radionics Association. A few years later the name was changed to the U.S. Psychotronics Association to reflect the broader field of interest that it encompasses. Jerry has received numerous awards for his pioneering effort and has authored a three-volume set of books entitled, *Handbook of Unusual Energies,* which is a great overview of the various phenomena that can be investigated scientifically in the field of psychotronics (publisher: Health Research, 70 Lafayette, Mokelumne Hill, CA 95245).

Personally, coming from a physics and electrical engineering background, I have learned more innovative experimental and theoretical physics from USPA conferences than any professional conference I have attended. The conferences have also motivated me to do experimentation and develop instruments in my spare time to look for these phenomena. An example is an Extremely Low Frequency (ELF) Magnetometer which my company, Integrity Electronics & Research (558 Breckenridge, Buffalo, NY 14222), will be marketing soon that is capable of detecting the earth's "Schumann" resonance of 8 Hz, as well as other ambient ELF signals.

Each year's conference is full of unusual reports of scientific as well as esoteric investigations. They comprise what Bob Beck calls, "an open forum." This format has been proven in the field of heredity and general systems theory to provide the most advanced offspring and each USPA conference always contains a few "gems" of outstanding discoveries.

1986 USPA Conference

This year's conference was no exception as Dan Carlson proved to have a method for doubling and tripling plant growth and Dr. Roy Curtin with Dr. Lester Rose demonstrated a computerized patient analysis and treatment method that amazed everyone.

Each year, the conference lectures are split up into two simultaneous sessions, one room being devoted to the more scientific lectures and the other room to the more esoteric lectures. Both are fascinating and completely different from year to year.

The theme of the conference was "It's All In The Mind" and many of the talks centered on radionics with a workshop that included audience participation, conducted by USPA Secretary-Treasurer Bob Beutlich and USPA Board Member Pete Kelly. The keynote speaker was Nell Thompson, a therapist and psychic from Scarborough, Ontario. From this year's conference, I finally learned enough about radionic instruments to appreciate their early designs as well as their recent improvements. The fields they work with are subtle but capable of scientific measurement, amplification, and broadcast.

Bioelectromagnetics

In the area of scientific lectures, the first day contained presentations by illuminaries such as Andrija Puharich, M.D., scientist and author of well-known books such as *Uri, The Story of Uri Geller, Beyond Telepathy,* and *Tesla's Magnifying Transmitter* (pub. by Essentia Res. Assoc., Rt. 1, Box 545, Dobson, NC 27017) and Walter Uphoff, Professor Emeritus, U. of Colorado, author of *Mind Over Matter* (pub. by New Frontiers Center, Oregon, WI 53575) and other books on parapsychology.

Dr. Puharich's talk revealed the fact that allopathic and homeopathic medical practice have no theory or scientific basis for healing. Doctors will admit that they simply "set the stage" for healing but the process still remains a mystery. In an attempt to formulate a general theory of healing, he proposed that all living things are created from a pulsed ELF (8 Hz) magnetic field which results in "Kervran weak transmutation reactions" of atoms into organic molecules. (His extensive work in this area includes an effective treatment for cancer plus origin-of-life experiments and is published in *Tesla's Magnifying Transmitter.*) He has found that healers and healees transmit a stronger than normal 8 Hz signal when the healing process is occurring and further research was proposed.

Dr. Puharich described in a later talk his development and sale of an ELF Shield Device, called the Teslar, which is available from Essentia Research Associates.

Dr. Uphoff, director of New Frontiers Center, a nonprofit organization, reviewed parapsychology and psychotronics while Alan Roger presented a talk on interfacing a personal computer with the mind.

Concerning the biological effects of electromagnetic fields, Lynn Surgalla (a doctoral candidate in Molecular Biophysics at the Dept. of Biophysical Sciences, State University of NY at Buffalo), delivered a talk dealing with her research into energy transduction mechanisms. She pointed out that from the subatomic to the macroscopic level, matter can be viewed as nothing but constructive wave-interference patterns or resonant forms. She emphasized that any vibration (mechanical, acoustic, or electromagnetic) which happens to resonate with an intrinsic biological frequency can entrain the respective system and cause biological changes. Some of the latest research in this field of "bioelectromagnetics" was reviewed in her talk.

My talk also dealt with bioelectromagnetics. It was a review of the latest findings on ELF and the Navy antenna as well as slides from the conference of the Bioelectromagnetics Society held at the University of Wisconsin in May, 1986. I talked a little about Dr. Becker's *The Body Electric* book, emphasizing his chart (p. 310) showing ambient electromagnetic fields created by man. I pointed out that the ambient ELF (Schumann resonance) magnetic oscillations of the earth are at the same approximate intensity of the human heart's magnetic field (0.1 nanoTesla) but much stronger than the brain's magnetic ELF oscillations as revealed by magnetoencephalography. A discussion of the Navy's megawatt ELF antennae in Michigan and Wisconsin was followed with slides of the university studies that are now being conducted on the possible environmental and biological effects. It ended with some talk about electromagnetic instruments that I am currently developing.

Jack and the Beanstalk

My vote of "outstanding" has gone to Dan Carlson this year because of his amazing invention for plant growth stimulation called, "Sonic Bloom." Our Western New York Chapter of USPA has shown his professionally made video tape twice this year for eager audiences and has already had one substantial local success story as a result. His presentation, shows some fascinating experimental results which exemplify the principles of "bioresonant feedback." Carlson produced an audio signal composed of frequency components found in the songs of flocking birds. When a tape of those frequencies was played in the vicinity of plants, the plants' uptake of nutrients was increased, up to 400%. The audio frequencies were in some way affecting the permeability of the plant cell membranes or stomata.

Even seed germination was shown to be dramatically accelerated by these frequencies while crop size was significantly increased and maturity time decreased. Examples include a 1300-foot purple passion plant that made it into the *Guinness Book of Records*, 12 lb. beets, and 500 tomatoes on one vine! His video stars Chris Bird, the author of *The Secret Life of Plants* and is available for purchase from Dan Carlson, Scientific Enterprises, Inc., 708-119th Lane NE, Blaine, MN 55434.

Dan Carlson's breakthrough in agriculture is estimated to cost farmers about $50 per acre and has been written up in *Acres, USA* magazine, June 1985 and January, 1986. Ask him about his inexpensive home units, too.

Structure of Water

Also presenting on the first day of the conference was Norman Mikesell, a cytogenecist and colleague of Dr. Marcel Vogel (retired IBM research scientist). Norman presented information on the role of "structured water" in biological systems. As opposed to "bulk" water which is usually composed of chaotic H_2O molecules, he said that most water in biological systems is more highly structured or "ice-like" at biological temperatures. Charged colloidal particles such as those found in biological fluids will structure water and lower its surface tension. Mikesell presented experimental evidence showing that, among other results, a) drinking structured water causes healing crises in the body, b) vegetarians have more structured water in their bodies than meat eaters, and c) full-spectrum light structures water. Mikesell also talked about the effect of structured water on vitamins and enzymes.

Computers and Psychotronics

Besides Alan Rogers talk, mentioned earlier (which I missed because I had to moderate the other session), Ivan Kruglat, President of Coherent Communications, Inc. (13756 Glenoaks, Sylmar, CA 91342), gave an interesting demonstration of a computerized version of his now famous "Mind Mirror." The earlier model had two panels of light-emitting diodes (LEDs) serving as amplitude indicators for various ELF signals. The unit was hooked up to a person's scalp and their brain waves showed up on an LED frequency spectrum display. With the new model, the same display is now on the computer monitor in color and can be analyzed and recorded for future use. The nice part about both models is the fact that two independent displays are shown side-by-side, one for each hemisphere of the brain. This is brain research at its best!

Dr. Kathleen Joyce presented a talk concerning a method for analyzing psychotronic data by computer, through artificial intelligence, which was quite innovative.

Another computerized demonstration was introduced by Dr. Roy Curtin, who explained some of the scalar electromagnetics involved with the "Hololinguistic Processor" or the "Interro" developed and marketed by Esion Corp. (599 W. Center, Pleasant Grove, UT 84062). Tested on 130,000 patients by 20 M.D.'s, the Interro, hooked up to an IBM-PC, is an amazing device for "electro-acupuncture." Interestingly, the FDA agreed that it is "not a medical instrument" because it does not produce enough current to be a treatment device. Lester Rose, M.D. gave a fascinating demonstration which was introduced by Pete Petersen, who helped develop it. By testing acupuncture points on the fingers and letting the computer analyze the response, an indication of bodily imbalances is provided. What is interesting about this method of patient assessment is the ability of the computer to provide a digitized signal of a whole tray of homeopathic remedies, which is broadcast through a mobius antenna. The patient is then retested to see if the imbalance has improved.

The Interro has been used in treating a wide range of diseases and has, for example, an 85% success rate with multiple sclerosis. The Esion Corporation has blossomed as a result of this invention and sponsored seminars in Houston, Austin, St. Louis, Chicago, and Phoenix for professionals just this past December. What a proud example of psychotronics at work!

Radionics

In the area of radionics, the most prominent was the lecture by Dr. Bob Beck on "Psychotronics, Radionics, An Historical Overview." With 273 slides, Bob reviewed the developments of Abrams, Delawarr, and Hieronymus. Also included were photos of many instruments from his collection. The various types of radionic devices can be classified, Bob told us, into categories such as a) variable capacitor-type, b) variable resistance-type, or c) variable positional- (or rotational) type. He said that radionics involves intent, definitely, but also a physical device to register intent and give a readout.

Bob has developed many instruments himself, which are not as operator-dependent as the above, but in many ways just as sensitive. He is president of Bek Tec, Inc. (1538 Cassil Pl., Los Angeles, CA 90028), and has been manufacturing the world's only portable instrument that can measure the earth's Schumann resonance (8 Hz magnetic oscillations) as well as other electromagnetic field instruments.

Other speakers also reviewed psychotronics and radionics. Dr. Charles Whitehouse, Dennis Stillings, Roy Calvary, Bob Beutlich, Pete Kelly, and Ed Skilling all presented detailed talks on the subject. Pete Kelly, editor of *Interdimensional News* magazine, is president of Interdimensional Sciences (POB 167, Lakemont, GA 30552). He manufactures radionic instruments for sale and leads training seminars in the use of them. Ed, president of E.F. Skilling, Inc., (POB 61, Buhl, ID 83316), also manufactures and sells a wide range of electromagnetic (EM) instruments. His talk centered on a new radionic device which radiates a wide band of EM frequencies using an electronic sweep oscillator.

Lutie Larson also gave a talk entitled, "Psychotronic Support of the Home Garden" which was a practical application of radionic techniques. Murray Bast, a farmer who has successfully applied Energy Refractors devices to his crops, presented a talk on reversing concepts of "Dis-ease." Gene Maury gave a presentation stressing the importance of intention in his talk on "How to Create a Miracle." Jan Brice talked about reversing an impending psychotronics war with application of mystical knowledge while Dr. Rozanne Bazinet gave some valuable lessons on the use of quartz crystals. Rozanne trained for over a year with Dr. Marcel Vogel and wrote her Ph.D. dissertation on a double-blind study of the psychological effect of wearing quartz crystals. Also worth mentioning are Elaine Finster and Loretta Hilsher, who each gave a talk on crystals.

Instruments

Various instruments were demonstrated and some just talked about in other sessions. For example, Lakhovsky's MultiWave Oscillator (MWO) received some good reviews in three separate sessions. Jerry Fridenstine, president of Energy Refractors (53166 St Rt 681, Reedsville, OH 45772), talked about its application to agricultural improvement. Eric Dollard with Tom Brown (from Borderland Sciences, POB 549, Vista, CA 92083), talked about their development of a new MWO antenna based on a golden mean spiral (available for sale). Bob Beck also stepped into Tom and Eric's presentation to reveal his own experience with the MWO. He described how effective it was in healing people and animals by telling the audience about how much his friends and neighbors contacted him for treatments. Other "instrumental" talks were Dr. Niels Primdahl's presentation on "Electronic Homeopathy" and James Solomon's presentation on "Electronic Methods of Pain and Disease Control."

Meanwhile, Pete Peterson (Peterson's Scientific Instruments, 981 S. 100 W., Orem, UT 84058) mentioned earlier had a few instruments for sale, one of which was a computerized radionics device, Model SE-5, using a pocket size Tandy computer. Peter Lindemann (Lindemann Labs, 3463 State St. #264, Santa Barbara, CA 93105) displayed his "Bio-Pacer," a magnetic pulse generator, at his booth. Also, Bruce from Klark Kent Super Science (POB 392, Dayton, OH 45409), had a low power MWO for sale at his display booth.

Theory

There were a few less theoretical talks than in previous years, however, many of the esoteric lectures were theoretical in nature. In terms of physics theories, Dr. Moray King, senior scientist at Eyring Institute, Provo, UT, delivered a paper on cohering "zero point" energy oscillations, for purposes of energy generation. Dr. Jack Dea, from the U. of Nevada, gave a fascinating talk on the physics of scalar waves called "Instantaneous Interactions." Dr. Roy Curtin's talk, mentioned earlier, also dealt with scalar waves. His talk was interesting from the point of view that, after describing scalar waves as compressional electrical waves with divergent geometry, he told the audience that while he was at the Batelle Institute they generated and detected such waves with the help of Wally Minto! Mr. Minto is noted for discovering these compressional waves and noticing their propensity for *propagating long distances under water.* (Traditionally, compressional waves only occur in acoustics while electromagnetic waves are only shear or transverse waves.) Preston Nichols gave a talk on the geometrical relation of old vacuum tubes to their possible use as scalar amplifiers. Eugenia Macer-Story also presented a theoretical talk on whether the 5th force discovered in physics relates to ESP/PK and Healing.

Mr. Eric Dollard delivered a second talk devoted to his original corrections to EM textbooks. He is a brilliant author and scientist who believes that "physics took over electricity with a mass-oriented theory." He convinced the audience that *electricity* should be a separate science from physics and EM, as it was first intended. His discussion of the displacement current and its importance to understanding Tesla was intriguing. He also introduced terms like "dielectric induction" and "electrical activity" with simple equations to demonstrate his concepts. Tesla's magnifying transmitter (which is also the title of one of his books available from Borderland Sciences) was also a subject of discussion with Eric pointing out that a Hertzian wave has a "scattering nature" while Tesla's magnifying transmitter is essentially non-Hertzian. Simple circuit diagrams were also drawn for the audience.

Sam Lentine, Ph.D. (ABD), USPA's inspiring blind physicist, delivered a talk that, while theoretical, included some of his psychotronic experiments. It's title was "Metabolic Pathways for Psychochemical Mechanism." Sam is a licensed director of a holistic center in Troy, NY that specializes in human ecological disorders. He currently holds three Master's degrees and taught physics at Rensselaer Polytechnic Institute for a number of years. His psychotronic abilities are exceptional.

Mother Earth

A few talks dealt with the Earth and such topics as "ley-lines" and the "planetary grid" (which are huge ley-lines around the earth in a geometric pattern). Mary Hardy gave such a talk on the mystery of the planetary grid. She is the author of *Pyramid Energy and the Second Coming* (pub. by

Delta-K, 3252 Lakeview Dr., Allegan, MI 49010), a fascinating paperback relating her experiences with the ancient city of Sakkara. Ken Killick, also a co-author of the above book, discussed ley-lines and the earth's intelligence. Lastly, Tom Brown talked about the earth as a living sphere.

Miscellaneous

Other talks that cannot be as easily classified include Eldon Byrd's "Conscious to Subconscious Communication," Bill Van Bise's "Theory of Ghosts," Jerry Gallimore's "Psychic Ability Test," Barbara Hero's "Sound Releases Creativity & Results in Drug Re-Hab," Patti Deuyl's "Bach Remedies, Analysis and Use," Diane Cirillo's "Color, Music, Form and Movement," Silverhand's "Sacred Journey" and David Whitefeather's "Tuning in on a Clear Channel."

As one can see from the above review, the USPA 1986 Conference was a collection of varied and fascinating topics. It can really be said that it has "something for everyone." The 1987 Conference will probably be on the West Coast. Maybe we will see you there?

Other Psychotronics Groups

For those interested, there is also a Western Psychotronics Association called the "Global Sciences Congress" which also holds annual meetings. For more information, their address is 3273 E. 119th Place, Thornton, CO 80233 phone: 303-452-9300. Also worth mentioning is the British Radionics Association, which publishes the Journal of Radionics. *Subscriptions for the U.S. are only $15 per year from, Radionics Association Secretary, 16A North Bar, Banbury, Oxon OX16-OTF, Great Britain. Lastly, there is a renowned organization called "International Association for Psychotronic Research (IAPR)" which just held their World Conference on Psychotronics in Zagreb, Yugoslavia, November 13-16, 1986. With Dr. Russell Targ as President Deputy, many noted scientists were featured at this year's IAPR conference. More information can be obtained from ATLAS Agency, Congress Dept., Trg Senjskih Uskoka Str. 7, Zagreb, Yugoslavia, phone: (041) 52-53-33, 52-80-94, Telex: 22413 atlcon yu.*

Recently, I received a letter from a psychotronics group in Barcelona, Spain entitled, "Investigacion Psicotronica." With impressive letterhead, it looks like another strong local group holding regular meetings as our Western New York USPA Chapter does as well. These small groups can be found worldwide.

Cryptozoology Meeting
(June 14, 1986)
by Michael D. Swords

The membership meetings of the International Society of Cryptozoology are more "get-togethers" than formal conventions, and that is part of their charm. Jovial interactions, interesting people, and imagination-expanding conversations make for a "good time had by all." There were four "official" presentations, however, and their main points follow.

The first talk was courtesy of a group calling themselves the 1986 American Yeti Expedition. It consisted of several people, the leaders of which were Dr. Mark Miller, apparently the "research" leader of the crew; Thukten Phillip Sherpa, a native guide from the village of Pangboche in Nepal; and William Cacciolfi, the entrepreneurial owner of New World Expeditions, to whom everyone else paid $4000 to arrange the trip. Everyone seemed delighted, by the way, so it was obviously worth it.

The presentation was quite mixed in its content. Cacciolfi showed what resembled a "see Nepal" videotape travelogue with the rock tune "One Night in Bangkok" playing in the background. The point of this to the cryptozoologists present was difficult to discern. The tape did make a statement of concern, however, about the famous alleged Yeti scalp brought back to the U.S. by the Edmund Hillary-Marlin Perkins expedition. U.S. testing showed this "skullcap scalp" to be an artificially fabricated object, sewn together from local animal material and dyed with local coloring agents. But this videotape directly stated without equivocation:

> "This scalp was found to be in the United States in its research actually not to be animal and not to be human." (English teachers, don't blame me).
>
> Such violations of our knowledge are not calculated to inspire trust in those who know something about the subject, but the videotape seemed more geared to "advertising" than "academe."

Thukten Sherpa's contribution was more interesting cryptozoologically and in general. he told several "local tales" of the Yeti, of which the Himalayan peoples recognize three different types, the least "attractive" of which is the Meh-Teh, the "Ape that preys on Men." The tale of greatest significance told of a potato farmer hauling his load along a lonely path, and suddenly confronted by a large dark-haired ape-Yeti. The Yeti was aggressive and grabbed at the farmer. In the struggle, the Nepalese grasped the hair on the Yeti's chest and ripped out a handful. The Yeti abandoned the fight without killing the man, and the story and the handful of hair was returned to the village. This "Yeti hair" is now in this country for analysis by experts in the Society, including the University of Chicago's Roy Mackal. Thukten Sherpa expressed his people's opinion that despite the fact that the U.S. scientists found that the old skullcap of Hillary-Perkins trip to be a fabrication, that they (the Nepalese) think we're wrong and that it's still real. Dr. Mackal's view was more objective. He felt that almost everyone expected that the artifact was a fabrication, but that many people also realized that it is culturally commonplace for people to *simulate* something real for use in their rituals (and these "caps," there are more than one in the area, *are* used in rituals, worn by the local lamas). Well, we will wait with anticipation for the hair analysis results.

Mark Miller's presentation consisted of poll data taken of locals as to their opinions on the nature of the Yeti. The characteristics are listed below, with the Caveat that the poll seems to have been somewhat "spontaneous" in that no real scientific design was described, as if he talked to whomever was handy. This may have been required by the brief nature of the trip, but it's risky to place too much faith in results of a catch-as-catch-can nature. For example, in UFO report investigations it is standard practise to take not only the witness testimony, but to interview a variety of other people for corroboration and character analysis. Well, whatever, here are the poll results:

> Yeti size, 5½ to 7 feet, 200 to 400 pounds, sagittal crest, short thick neck, humanoid features, flared nostrils, wide mouth, dark skin, medium ears, no tail, erect or close-to-erect stance, long fingers, flat feet, long arms, coarse dense hair, reddish brown to black, makes high shrill sounds, cave dwelling, omniverous, living at 10,000 to 20,000 feet, no use of fires, clothes, art, or tools.

One wonders how many copies of Ivan Sanderson's *Abominable Snowmen* sold in the area.

Well, the expedition *was* worthwhile. It brought back an alleged substance (the hair) of a Yeti for testing, and that is valuable no matter what the tests show. The rest of the expedition was



good clean fun and should be accepted as such. The science in it was limited, but what does one expect from a tour group trekking the mountain wilds with locals running ahead on the "trail" selling cold colas every mile of the way?

The second talk was science on a totally deeper level. Dr. Grover Krantz of Washington State University's Anthropology department reported on two critical points of Bigfoot research. One, briefly mentioned but illustrated by the casts of foot and handprints he brought with him, showed the key "trace" evidence which includes "dermoglyphics" (finger and skin prints). Dr. Krantz's casts are good enough to show these ridge prints, and he even sells copies of them to interested parties (at remarkably reasonable prices, I might add).

Dr. Krantz's main topic was what possible candidates from known fossil forms are available to explain Sasquatch? He surveyed the characteristics of *Homo neanderthalensis, Homo erectus,* and *Australopithecus robustus* and decided that none of them fit the Bigfoot descriptions well. His candidate? *Gigantopithecus blacki,* a huge ape-form known only from fossil lower jaws and teeth. Beginning with the actual fossils and extrapolating on eminently reasonable grounds, Krantz first reconstructed the entire lower jaw, then the fitting upper, and finally the skull which would fit above them. The finished skull was gigantic indeed, and very impressive in comparison with a human's or a gorilla's.

Unfortunately, although the "rules" for putting the skull together were very defensible, that's as far as you can go. We can't tell if Gigantopithecus stood erect or trundled about like a heavy gorilla. If the latter, then Gigantopithecus misfires as a Bigfoot candidate despite its facial and size similarities. When the 600-plus pound (estimated) ape went extinct is very difficult for establishmnent science to say. The experts say "Middle Pleistocence," several tens of thousands of years ago. It is intriguing that most of the animals found in the "yellow earth" deposit where Gigantopithecus was first found still have living representatives. Could the big ape have survived in the nearby mountains of Western China and Tibet? Could it have migrated to North America across the Bering Strait and be going about its nocturnal meanderings today? Maybe. Time, we hope, will tell.

The third presentation was by Dr. Christine Janis of the Division of Biology and Medicine at Brown. She is an expert on Ice-age mammals and spoke about the possible survival of some of this group of animals into historic times. She did this by showing illustrations of many museum artifacts portraying animal-forms appearing suspiciously like those allegedly extinct long before the cultures arose who seem to have modelled them in their art. The crypto-beasts included a heavy-set giraffe-like ungulate from Mesopotamia, Irish Elks from the Black Sea, a claw-footed ungulate-like creature, called a Chalicothere, from a Siberian culture — felt perhaps to be related to the Nandi Bear tales of Africa today, a giant hyrax from China, Mammoths and mastodons from the Americas, and a strange dog-and-dragon-like head with double-bladed post-canine teeth from China. Such teeth are characteristic of only one well-known fossil beast: the sabre-tooth tiger.

This sort of museum-and-myths work is interesting and important to produce baseline information and leads for cryptozoologists. The fossil record is so woefully incomplete (and it continues to be more and more obvious how woefully), that absence of evidence in the record is very flimsy ground on which to make decisions on zoological survival. Cryptozoology needs some very proficient folklorists and anthro-arts experts to provide needed guidance in these areas. Any candidates?

The fourth talk was a piece out of every cryptozoologist's dream: the discovery and actual physical retrieval of a large unsuspected or doubted animal. Richard Greenwell, the secretary, heart, and energy of the Society, showed an appreciative crowd slides of the anatomical investigation of a "new" big Mexican cat, the Onza.

Local peoples have spoken of three cats for some time: the "lion" (Puma), the "tiger" (Jaguar), and the Onza, skinnier than the puma, longer-legged, and more fierce. Pictures of a specimen shot in the '30s existed, but still experts doubted. Recently a second specimen was shot in the Mexican province of Sinaloa, the site of the earlier kill as well. Due to Greenwell's earlier research into the Onza tales, he was already known in the area and was contacted; the body of the cat stored in ice. It was a rare concurrence of events to bring an expert and a specimen together. Well, it happened, and pictures, measurements, and bones and tissues there are aplenty. There still is the question of whether the Onza is a separate species or an occasional aberrant cross-breed. This should be testible from the tissue samples through amino-acid sequencing and immunological assays for species "distances," which tests are being done. An odd side-note: several species are making a comeback in the Sinaloa area (ex. the jaguar) due to intensive drug-growing and running there, which diverts the activities of the locals from hunting to, well, "other things;" probably the only positive thing that has ever come of this "crypto-botany."

A last note on the other famous crypto-pursuit: mokele mbembe, the Congo dinosaur. Dr. Mackal is well on the way to running a major expedition later within the year (in 1987 sometime). This will be his third, his best outfitted, and longest trip if all goes to plan. Richard Greenwell privately expressed disappointment that the other famous dinosaur hunter, Herman Regusters, has chosen not to publish in *Cryptozoology* or address an annual meeting, since the membership of the Society is the obvious interest group. However, *Cryptozoology's* loss has been **PURSUIT's** gain as evidenced by Regusters' article in Volume 18, Number 4 of this journal. Hopefully in the future all the experts can get together on this topic.

(Drawings in both Swords' conference reports by M. Swords.)

New Frontiers Center Conf.

by Mary Jo & Walter Uphoff

"A Look at Other Dimensions of Reality" such as dowsing, alternative healing modalities and UFO reports was held at the Sheraton Inn, Madison, Wisconsin, August 8-9, 1986, a weekend seminar sponsored by The New Frontiers Center.

When Prof. Walter A. Frank, anthropologist and ethnologist, Bonn University, West Germany, wrote the Uphoffs that he could spend some time in Madison the first week of August and be available for any meetings that could be arranged, this became the basis for another New Frontiers Center seminar, even though there had been no plans to make the seminars an annual event.

Prof. Frank lectured (with slides) describing his experiences with shamans in other parts of the world and how it is possible for everyone to develop some of the "extrasensory" abilities. (A shaman can be defined as a highly-respected person who serves his tribe or community with his psychic and healing skills.) After the evening program Friday, Dr. Frank also directed a "metal-bending party" where many attendees found to their amazement that they could achieve an "altered state" and bend cutlery with much less effort than required to do it by physical force alone.

In his second lecture, Dr. Frank emphasized the importance of thought. "We are living in fields constantly," he said, "which are influencing our thinking and our behavior and our feelings without knowing. But it's easy to find them (the fields) out. It's as easy as Vince (Wiberg) showed you, but you don't even need an electronic instrument. You can do it with your own mind, because the real instrument in dowsing, in using the pendulum and all these things is in your own mind." He then got the audience to participate in demonstrating how positive and negative thoughts change the strength in one's fingers. He went on to say that spiritual realities also have laws and rules and if you violate them you can get into trouble. You should not play around with them, but use them only when needed, or when discovering how large your consciousness really is.

Peter Sugleris discovered that he had special abilities while he was still in high school and was asked by teachers to demonstrate for the student body. He succeeded, by concentration, in moving a compass needle, starting non-functioning watches supplied by members of the audience and achieved near success in locating a penny hidden in one of the 24 35mm plastic film cannisters through concentration — without touching them at any time.

Sugleris had successfully eliminated 20 film cans (after an impartial member of the audience knocked off each can from the table after Peter sensed, without touching it, that it was empty) when he noted that the next can had a number written on it. A shocked expression came over his face and he shouted, "Don't touch it! This one has a marking on it. Don't touch it. Did you kids put any marks on them? There's a number 5 on it!" Jim Uphoff (age 10) responded, "That was there yesterday."

That ended the demonstration. Peter, frustrated and confused, asked why someone included the can with the coin in it which had been used in an experiment the day before with Sarah and Jim Uphoff, when he successfully identified the can containing the coin, both by selecting it directly and also by eliminating all the cans that did not? A coin had been put in only one of the 24 cans assembled for the experiment, but someone "goofed" by not noticing that one of the cans used the day before still had the coin in it.

So, although it was an impressive experiment, it could only be called a partial success. Prof. Frank remarked, that in one sense, it was more impressive than if everything had gone smoothly because, from a statistical standpoint, the probabilities were very low that Peter should have been able to correctly eliminate 20 empty cans before the "snafu" occurred. Peter, having a few minutes more time, exerted himself to cause a direction-finder compass to turn without touching it, so that it could be seen from the front row of the audience. The entire demonstration was recorded on video-tape.

Vince Wiberg described his dowsing experiences and expertise in the plenary session. There was particular interest in his reports about the growing evidence of effects of certain geopathic zones on health, which resulted in requests for him to return to conduct a weekend training workshop on dowsing.

William O. Faber, D.O., Milwaukee Pain Clinic presented an overview of the expanding range of health care modalities, including detoxification, homeopathy, immune enhancement, neural therapy, the so-called "lightning reaction" and the influences of psychological and spiritual health.

Frances E. Ehrlich, M.D., from the New Age Health Center, Madison, who is vice president of New Frontiers Center, led an experiential workshop on auricular acupuncture, biological balancing, crystals, filters, sound and radionic equipment.

Frank Farrelly, A.C.S.W., Madison psychotherapist and NFC board member, had just returned from Europe where he conducted training workshops for professionals. He spoke on "Psychotherapy in the 21st Century," predicting that in the years ahead, more psychotherapists and health care professionals will incorporate an awareness of psychic aspects of existence into their counselling and treatment.

Prof. Sidney Greenfield, anthropologist at the University of Wisconsin/Milwaukee, showed his recent films of Dr. Edson Quieroz, a Brazilian physician, performing "psychic surgery" in trance in the same manner that Arigo, "the surgeon of the rusty knife," had done before he was killed in a car crash. Arigo became internationally known for the phenomenal healing he performed in trance state during which Dr. Adolph Fritz, a German physician who died in 1918, purportedly took over. Dr. Quieroz, a trained physician, is convinced that the same Dr. Fritz who worked through Arigo now works through him when he is in trance.

Lynn Gardner, who led a workshop at the '85 seminar, lectured and, with Peter Sugleris, conducted a workshop on "Psychic Awareness." She emphasized the importance of positive thought and action to achieve insights and inner direction.

She has been very helpful to a family in Southeastern Wisconsin who were experiencing poltergeist activities in their home. She "tuned in" to the disturbing entity that was the cause of the problem and amazed the family by her ability to pick up such accurate information.

Richard Heiden, Don Schmitt and Nick Meiers, considered as some of the best-informed persons in Wisconsin on UFOs, discussed "What the Government Admits About UFOs," citing cases they have investigated and showing slides and films. Controversy continues about how to explain the frequently reported "unidentified flying objects" but that does not justify ignoring these reports. Readers will be interested in the book *Extra-terrestrials Among Us*, by George Andrews



SITUation

Celtic Cave Drawings in Colorado?

Their pilgrimage starts early in the predawn chill, with the men's Western hats pulled low against the wind in The Comanche National Grasslands, Colo.

They pull out a jug of coffee and pass it around, shivering as their eyes search the ridge to the east for signs of light. Sunup this morning will be at 5:51. Bill McGlone figures it will be visible over the ridge three minutes later.

Sunup. The clouds have drifted away from the ridge and the light streams down.

"There it is! Look! Oh, it's perfect."

"Come see!"

Taking turns, they crouch inside the narrow space and stare up at the pattern on the wall. The equinox sunrise has lighted the carving and Phil Leonard traces the lines as he translates the ancient Celtic message.

"Sun strikes here on Day of Bel."

In a few minutes, the sun has traveled past the marks and the "Crack Cave" is dark.

It will be six months before the sun lights up the carvings again.

Among the fretwork of canyons that connect the Cimarron and Arkansas river lies a vast open-air natural history museum.

Dinosaur bones lie jumbled on one rancher's land.

But what draws McGlone, Leonard and their band of believers are rock carvings that they say show a European and Middle Eastern influence in the New World long before Columbus.

They contend that Ogam, a system of symbols found in 2,200-year-old relics near Great Britain's Stonehenge, shows our history books are wrong. The weight of scholarly and scientific opinion runs counter to that theory.

With one of their major sources a book written by Irish monks in the 12th century, this motley band of revisionists eagerly explains what they consider evidence that Celts and others visited America long before 1492.

The marks along these sandstone walls, they say, give directions to travelers and track the solar year.

The Crack Cave carvings light up on the equinox sunrise. Sunset the same day illuminates a series of carved lines and figures in caves just across the Oklahoma state line.

Below a cliffside eagle's nest several miles away, a giant calendar explains when various crops should be sown.

Still other sites are illuminated only on the solstices of June and December.

A number of cultures — including the Celts, Phoenicians and Norsemen — have used the writings now known collectively as Ogam. It consists of a horizontal stem line with one to five strokes, some crossing the line and others just touching it.

Barry Fell of San Diego, a retired Harvard professor of marine biology, is considered by many to be an expert at translating Ogam marks. His interest in epigraphy — the study of ancient writing — grew as he studied marine life on a variety of islands around the world and noticed rock writing that appeared similar, although separated by oceans.

Fell used the Book of Ballymote, written by Irish monks in the 12th century to explain Ogam marks with Old Irish equivalencies, to translate the first of many clusters of carvings found here in southeastern Colorado.

Such sites also are found in the East, particularly in New England and North Carolina.

When Robert Myer, professor of Celtic studies at Catholic University of the Americas in Washington, visited one North Carolina site and studied the Ogam-like marks there, he called the discovery "as important to Celtic scholars as the Dead Sea Scrolls."

Respected foreign scholars, such as Spain's Imanol Agire and Pennar Davies of the University of Wales, agree with Fell's translations.

In scientific circles, the notion of explorers from the East visiting America before the 15th century is generally greeted with amusement or worse.

Professor Gordon Willey of Harvard labels such theories "escapism, fable, fantasy, fun." Ives Goddard, curator of the Smithsonian Institution's department of anthropology, called Fell's work "the linguistic equivalent of alchemy."

Critics say the grooves along these sandstone walls are nothing more than random tool-sharpening marks or erosion caused by old roots and tree limbs.

"Nobody sees these marks and makes that kind of confusion," insists Rollin Gillespie, a former NASA engineer who has been part of McGlone and Leonard's forays on several occasions.

Erosion marks tend to be curved, he says. Tool-sharpening does not leave two-sided grooves in rock; that would dull an edge, not hone it.

The Celts were an ancient people who spread their culture from the Iberian peninsula (now Spain and Portugal) north to what is now Ireland and France. Eventually, the Phoenicians took over the Celtic homeland of Iberia.

Among the purported Ogam marks here in southeastern Colorado are some that appear to be Punic or other Mediterranean languages such as Libyan Numidian, Leonard says.

The wealth of cultures said to be represented by the rock writing here in the canyons reinforce these pilgrims' belief that it was once common for people to sail across the Atlantic, through the Gulf of Mexico, up the Mississippi and along mid-American waterways like the Cimarron and Arkansas.

While the bulk of the writing appears Celtic in origin, the presence of the other languages may mean that sailors from different cultures banded together to cross the ocean, Leonard theorizes.

Like Fell, the other believers in Celtic America come from a tangle of backgrounds.

McGlone is an engineer in New Mexico. Leonard is a former medical researcher turned stockbroker in Utah.

Gillespie lives in Washington state. As a NASA engineer, he helped develop the equations necessary for interplanetary trajectories — the formulas that helped put men on the moon.

Erlin Trekell is a retired U.S. Forest Service ranger who settled here in southeastern Colorado after being assigned to the Grasslands during his last tour. Earl and Margaret Goodrich are transplanted Texans who have ranched near here for nearly 60 years. Ava Betz is a former Peace Corps teacher turned small-town journalist.

Officially, though, they are all amateurs at this business, as their critics emphasize.

To Leonard and McGlone, the reluctance of American scholars to examine seriously the pre-Columbian evidence stems from the long-standing scholarly fight between the so-called "isolationists and diffusionists."

Someone who subscribes to the diffusion theory of culture believes cultural contact in the ancient world spread discoveries. Isolationists believe similar developments came independently, at innumerable sites around the world.

"The isolationists say we're insulting the American Indian with our theories — saying they weren't smart enough to come up with these things on their own," McGlone says, shrugging. "They say we're racist.

"But the Indians I talk to can accept what we're talking about. They tell us, 'That's what our traditions say.'"

Fell first advanced such theories 12 years ago in a book titled "America BC." In the years since, he and the others have grown accustomed to being called mavericks or fools.

Undeterred, the group has become increasingly eager to carry its case to the public. Hundreds of possible examples of Ogam have been cataloged in southeastern Colorado, Leonard says, and while there's risk in calling attention to such sites, "we need public pressure" to protect them.

The sites are not immune to graffiti. Cowhands marked the canyons' walls with names and dates in the 1800s. Trekell recalls chewing out a Boy Scout troop for doing the same thing a few years ago.

He points to a spot near a larger-than-life buffalo etched on one canyon wall. "Some idiot has drawn a face here," he mutters.

by S.J. Guffey

SOURCE: AP in The *Daily Star,* AZ 7/6/86

CREDIT: Member #826

The Coffin of the Restless Priests

by George A. Agogino, Ph.D.

The pueblo of Isleta, which is located thirteen miles south of the city of Albuquerque, is today almost an extension of the "duke" city. Isleta was not a combatant in the New Mexico Indian Revolt against the Spanish in 1680. It offered protection for the retreating Spanish and, in fact, many of the Indians of Isleta followed them southward to build Isleta del Sur at El Paso, Texas (*Living Legends*, Alice Bullock, 1978).

The pueblo at Isleta lies along the sandy banks of the Rio Grande, its fields watered by irrigation ditches. Salt cedar and tamarisk frame the banks of both the river and the irrigation system. Jack rabbits, bobcats, and coyotes can often be found in the underbrush within the pueblo boundaries. The pueblo offers a contrast to the busy, dynamic city of Albuquerque. At Isleta, time moves slowly, and lifestyles have changed little over the centuries. Today there are many families that own cars, and more than one have television sets. Yet, the religious dances of the past are still practiced along with the devotion to the established Catholic Church.

Although the pueblo today is run by an elected governor who is guided by two native religious leaders called caciques, the villagers of Isleta have had a resident Catholic priest and church for over two-hundred years and a priest has been at Isleta most of the time since the Spanish entered the New Mexico area.

Fray Francisco Padilla, a priest assigned to Coronado's expedition, elected to remain behind with the Pueblos when Coronado left the area. He was reportedly murdered by discontented Indians who disapproved of he new religion. His burial spot, although unknown, may have been at Isleta. Legend has it that his body was concealed in a hollow log where it remained in a cave until after the Pueblo Rebellion which ended in 1692. Once Spanish reconquest was completed in New Mexico, a new church was built in Isleta. The body of the dead padre, which dehydrated within the cave, was in a remarkable state of preservation. The body was interred within the church close to the altar, still encased in the cottonwood log. Some believe he is the "restless priest."

Another claimant for the title of the "restless priest" at Isleta was another Fray Padilla, one Juan J., who served as a priest at the Indian pueblo of Laguna, forty miles west of Isleta pueblo. The second Fray Padilla began his work at Laguna mission in 1733. After serving there for over a decade, he was summoned to give the last rites to a dying Indian who lived some miles out of town. After finishing his duties as a priest, he started back but lost his way in a savage snowstorm. He finally spotted a house in the distance and sought comfort, warmth and information before he proceeded on his way back to Laguna pueblo. His knocking was answered by a woman who, seeing his religious garb, invited him inside to rest and eat. As he refreshed himself the woman's husband, who was drunk and irritable due to the discomfort of riding through a "blue northerner," stumbled into the room. The intoxicated man completely misinterpreted the situation and in a rage stabbed the priest with a knife. The priest fell dead before the husband recognized the religious garb. Distraught over his uncalled-for action, the husband realized the gravity of his crime and sought to conceal his infamous deed by removing the evidence. He carried the dead priest back outside to his horse and tied him firmly to the saddle. With his whip, the husband sent mount and dead rider into the snowstorm.

For days the horse wandered across the desert country, long after the storm had abated, until finally coming to rest at the pueblo of Isleta, almost at the church door. The resident priest recognized Fray Juan Padilla and arranged to have him buried close to Fray Francisco Padilla, in the church and close to the altar. The two murdered priests, each with the same surname, rested beneath the floor of the church only a few feet apart. Church records confirm the murder and burial of Juan J. Padilla. The record states, "Juan J. Padilla killed by stabbing thrusts" (Ibid. p. 85).

The pueblo mission church at Isleta is constructed of heavy adobe, with twin towers. Each tower contains massive bells. The church is sturdy and largely without windows, since it was always anticipated that the structure might in time of unrest be used as a fort. The yard is as barren as the land itself, with a few weeds struggling for survival in the baked earth. The soil resembles the adobe walls of the church since the church walls are made from the same material. The outer walls of the church are heavily buttressed to prevent the outward collapse of the three-foot-thick adobe walls. One approaches the church along a walkway flanked by adobe walls on both sides which direct one to the simple, square wooden doorway that leads to a modest church interior.

It is unknown which coffin first worked its way back to the surface of the church floor, but legend states that it happens roughly every twenty years. The first recorded case was on Christmas Eve, 1889. A coffin was found protruding above the floor of the church close to the altar. The casket was opened and it was noted that the remains were mummified and rigid. Testimony was taken from all present and the body was reburied with a metal box containing the testimony.

It must be pointed out that both the church and the people of the pueblo thought this was the body of Francisco Padilla, although there is no mention of the tree casket which legend claims he was buried in. Many today think it was the second Padilla, Fray Juan J. Padilla. No one is certain if one or both of the Frays Padillas come to the surface, but it is certain a coffin containing a priest's body made regular appearances in the church over a period of years. Each sighting has been carefully recorded by both the pueblo and the Catholic Church.

The church has never claimed the sightings as part of a miracle. A scientific explanation of the strange phenomena of the "restless priests" suggests that the shifting sands of the Rio Grande, upon which the church rests, forces the coffins to the surface at regular intervals. The people of Isleta often ask why are just the two priests returning to the surface when over a dozen others were also buried in the church floor. The scientific answer to this question suggests only the two priests are buried in the shifting sands, while the other burials within the church are on more stable ground.

The pueblo church now has a wooden floor, and a cement base for the altar. It will be hard for the "restless priests" to reach the surface under these modern conditions. Yet, the Indians who attend religious services point to a large crack in the cement base of the altar and wonder which of the "restless priests" lies beneath the crack. They whisper that if the cement block were removed at least one Fray Padilla rests flush against the cement base of the altar. As it is, they watch the crack to see if it is growing larger — and wonder and wait.

Books Reviewed

THE FACE ON MARS: EVIDENCE FOR A LOST CIVILIZATION? by Randolfo Rafael Pozos, Ph.D., Chicago Review Press (814 N. Franklin St., Chicago, Ill. 60610), 1986, 155 pps., $12.95.

PLANETARY MYSTERIES: MEGALITHS, GLACIERS, THE FACE ON MARS AND ABORIGINAL DREAMTIME, ed. by Richard Grossinger, North Atlantic Books, (2320 Blake St., Berkeley Calif. 94704), 1986, 155 pps., $9.95 paperback/$20 cloth.

Reviewed by Robert Barrow

Smugly confident of our universal wisdom, how *easy* it is for us to dismiss with a chuckle the "man in the moon" seen by ancient peoples. Alas, *The Face on Mars* interpreted by modern computer technology is quite another story, and while our society is hardly inundated currently with TV and newspaper stories on The Face, we shall predict that NASA itself must inevitably alter its Mars exploration plans in conjunction with some exceedingly important civilian research that cannot be ignored.

Briefly, the dilemma of The Face: In 1976, NASA's *Viking I* Mars probe relayed a myriad of surface photos. Among the features one probably would not anticipate from planetary topography was something in the Cydonia region which looks — remarkably — like a human face, a *mile-long* face cast in stone, gazing pensively skyward. Not far away in the area known as the Elysium Plateau, to complicate matters, are shown strange, possibly pyramid-shaped objects.

NASA, *of course,* publicly dismissed the photos as ordinary and they were filed and forgotten until 1979, when computer imaging specialists Vincent DiPietro and Gregory Molenaar, who had worked at the Goddard Space Flight Center in Maryland, salvaged the NASA photos for comprehensive study. Using their copyrighted SPIT (Starburst Pixel Interleaving Technique) process, the researchers eventually presented their findings to scientific groups and published a monograph. Their vivid, computer-enhanced photos left little doubt that a face-like feature exists, that images highly suggestive of pyramid-shaped objects are present, and, depending on how one reads the evidence, a strong hint of an ancient "city" can be entertained. Conclusive? No! Disturbing? To say the least.

My elementary overview does little justice to the controversy involved with these findiongs, but both of the books mentioned here more than adequately cover details to date.

Planetary Mysteries actually explores several areas aside from the Mars subject; however, for purposes of this review, the first two chapters (essentially, half the book) are of interest. The latter chapter by Jeff Greenwald, "Of Mars and Men," wittily covers the scientific/political aspects of the discovery, and provides a telling profile of the astronomer to end all astronomers, Dr. Carl Sagan.

Prior to this, though, editor Grossinger consumes some 40 pages of interview with the man most closely associated with the Mars face investigation, science writer Richard Hoagland. Formerly a science advisor to Walter Cronkite and CBS, and a co-creator of the *Pioneer 10* spacecraft plaque (destined, wisely or not, for whom-it-may-concern of the cosmos, and now far from our solar system), Hoagland delved into the mystery early on, initially from 1983-84 when he led the Independent Mars Investigation Team, and most recently as part of the Mars Investigation Group. Based on his revelations here, Hoagland's own long, long forthcoming book, *The Monuments of Mars,* should prove exciting.

For one thing, Hoagland claims an insightful view of astronomer Sagan, whom he has known for several years. Scoffing at Sagan's highly negative article about the Mars face in *Parade Magazine* some months back, he states "the appearance of a humanoid face on Mars did not set the NASA community, or the SETI community, or the 'planetary community' on fire. It couldn't exist; therefore, it *didn't* exist" ...Sagan's piece in *Parade Magazine* basically looks at the reader and says, this cannot exist; therefore, it does not exist, your eyes notwithstanding..."

Hoagland paints us a scientific community besieged by fears — if they accept the mere *possibility* that "somebody" constructed the face — that the "ancient astronaut" groups that they so abhor will come out smelling like Martian roses. Caution, however, is the word for those who think Hoagland embraces an intelligent-life-on-Mars-now approach:

> "Oh, it absolutely implies non-Martian. I would stake everything I own that these are not a Martian culture, if they are a culture. Under any circumstances you cannot whomp up biology, and evolution, and intelligent life on Mars. It just isn't in the cards...The "Face," regardless of any other purpose, I really believe somehow is a message to us."

Hoagland strives not to offer a definitive identity to The Face, but he is keen to warn us that the West is not the only part of Earth intrigued with its peculiarities:

> Now, if we don't go back, the Russians have announced that they are going to Mars. They published, in *Soviet Life* last summer, a very provocative article where they not only say that they know this stuff is there, but they propose the mechanism for going back and figuring it out. That magazine is authorized by the highest levels of the Soviet Government...we have got to go when they go... (or) They will walk in the front door and confirm this, and we are going to be left sitting here with our mouths open saying, Who lost Mars?

Pozos' book, *The Face on Mars,* on the other hand, seems more intent on the nuts-and-bolts aspects of what he feels could represent an ancient Martian society. However, in addition to anthropologist Pozos' conjecture on this possibility, the author includes extensive transcripts from a 1983-84 "meeting" on the implications of a Martian face. Organized by the Info-Media Corporation, several U.S. scientists and scholars across the continent conducted a symposium via computer network. Participants' attitudes ranged from skeptical to surprisingly open-minded about the face and its origins.

Equivalent to the thrill of eavesdropping on a "private" conversation at times, the transcripts have both their lighter and incisive moments. For instance, when a physicist experienced in archaeology makes some ado about the costs of building a structure on Earth that would rival the huge proportions of The Face, conference member Richard Hoagland quite rightly dimisses such human logic: "Just because something's expensive, difficult, and makes no sense to us, does NOT mean historically that others obeyed our 'common sense.'"

Discussions soon pursue related issues beyond The Face and delve into the geochemistry of Mars. These are quite informative.

I found some of the early chapters written by Pozos himself a bit uneven and hard to follow, though this problem seems to iron itself out as his writing continues. His comments on the conference proceedings and the enigma of Mars are worthwhile:

> One scientist had an immediate negative reaction to seeing the "Face" on Mars. His entire belief system was predicated on the falsity of religious belief. For some reason, the "Face" reminded him of the supposed image of the face of Christ on the Shroud of Turin. The scientists concluded that nothing more should be done on this topic of the "Face" on Mars since it might prove the truth of religion which was, according to his belief system, not possible.

Grossinger's and Pozos' books are must reading, not only for "Face" inquirers, but also for those intrigued by the *known* science of Mars.

Yet, if we feel willing to behold a sculptured human countenance on another planet, what shall this action portend for our societal self-image? Just as Hoagland warns us of curious Soviets, Pozos hastens to suggest that we, in essence, beware of our homegrown ways of thinking:

> "The social and cultural consequences of surprising or perplexing information from Space exploration, such as the "Face" on Mars, will be influenced more by people's religious beliefs that by their scientific education. To a great extent this has already been borne out by those involved in the inquiry, and perhaps more importantly, by those, whether religious or not, who dismissed the topic as not worthy of further inquiry. Contrary to the American cultural notion that facts are evaluated objectively and then accepted or rejected, there is every indication that our beliefs and values censor what we perceive and how we react to it...For those willing to listen to the parakeet in the mine, the warning is clear. Our greatest threat comes not from the sky but from our unwillingness to face ourselves. The "Face" on Mars challenges us on a scientific level but more importantly, it challenges us on a human level."

UFOS AND THE EXTRATERRESTRIAL CONTACT MOVEMENT: A BIBLIOGRAPHY (Vol. One: *Unidentified Flying Objects;* Vol. Two: *The Extraterrestrial Contact Movement*), by George M. Eberhart, Scarecrow Press, Inc. (52 Liberty St., P.O. Box 656, Metuchen, NJ 08840), 1986, two hardbound volumes, 1298 pps., $97.50.

Reviewed by Robert Barrow

Precisely three decades before Eberhart's current work, the late, albeit enigmatic, UFO researcher Morris K. Jessup saw publication of his book, *The UFO Annual.* Actually, this "annual" edition in 1956 turned out to be the only one ever printed, and covered international UFO sightings for the year 1955. Jessup's approach in this, one of several books he authored, was simply to gather wire service reports and news clips from around the world and present each in a monthly, chronological format. For his time, Jessup's efforts to bring some hardcover-book order to the, then, fledgling area of organized UFO research — to show readers a single year's step-by-step state of strange affairs — proved quite important. Echoes of Charles Fort...

Now, 30 years later, the perpetual UFO subject has spawned not merely another gratefully accepted "UFO annual," but in fact an extensively well-carved notch in the foundations of literature. From a publication which illustrates a solitary year of UFO sightings, we progress to one which painstakingly lists thousands of sources of information *about* the phenomenon — including, of course, *The UFO Annual,* mentioned in the pages as #333 among nearly 16,000 entries.

PURSUIT recently reviewed two other UFO bibliographies (by Lind, in issue #62, and Rasmussen, in #73), each a fine work. Eberhart's far more elaborate undertaking — and his grand-scale efforts should probably come as no surprise by now, considering his other gigantic works, such as *A Geo-Bibliography of Anomalies* — essentially surveys UFO-related literature from ancient times to 1985. Unlike the aforementioned Jessup book, Eberhart does not include newspaper articles, but, as the following section headings show, each prefaced by a brief introduction in the book, few categories are excluded:

General Works (books, monographs, and articles); Case Studies (types of UFOs, radar cases, close encounters, animal reactions and mutilations, physical traces, occupants, crash/retrievals, etc.); UFOs in the Sea and in Space; Historical UFOs (up to 1945); UFOs and Sociology (religion, psychology, psychics and attitudes of the public, scientists, UFO researchers, government and the military); UFO Investigations; Foreign Language UFO Monographs; UFO Periodicals; Special Materials (U.S. and foreign government documents, UFO conferences, papers, books for children and young adults, comic books and audiovisuals); Related Phenomena; Contactees; Ancient Contact; Prehistoric Cultures (archaeoastronomy, megaliths, pyramids, ancient art, ground markings, etc.); The Hollow Earth; Science Fiction; Extraterrestrial Intelligence.

This magnificent project is enhanced by three detailed indices (name, periodical and organization), and one cannot help but mention that the name index, nearly 100 pages in length itself, resembles perhaps the world's most unusual "who's who" of serious writers, researchers, scientists and the *inevitable* flock of kooks ever published. I love it!

I would be remiss, perhaps cowardly, however, to ignore the price of this dual set. At $97.50, it exceeds the grasp of many researchers, which is exactly why its primary appeal may extend to libraries and other funded institutions, and that's a darned shame. This enormous effort, certainly with few omissions of worth, is a genuine resource, and we can only *hope* that the courageous people at Scarecrow Press can find a way to make this twin treasure available at a lower price.

Besides all the elaborated good that can be said about this bibliography, one major effect should be felt by every person who beholds its depth: That the UFO phenomenon *means something* to us all. Maybe we don't know how to interpret the ubiquitous swamp of sightings and encounters before us, but a subject so repetitively communicated throughout recorded history cannot be dismissed.

1986 devastated UFO research with the deaths of the highly-regarded L.J. Lorenzen of APRO and Dr. J. Allen Hynek of CUFOS, but some solace might be gained from this bitter year with the release of Eberhart's landmark bibliography.

By the way, you don't suppose —? I wonder if somewhere among the 15,613 entries lies the definitive key to the UFO mystery...



SITUations

In this section, mostly contemporary curious and unexplained events are reported. Members are urged to send in newsclippings and reports they deem responsible. Please be sure to include the source of reference (name of newspaper or periodical), city of publication, date of issue in which article appeared, and your first initial and last name (or membership number only, if you prefer to be credited in that way).

Bigfoot Leaves Imprint On Small Ohio Town

In Newcomerstown, Ohio, the house at 535 Heller Drive is not simply home to 23-year-old Don Keating and his mother, Jo, but headquarters of the Eastern Ohio Bigfoot Investigation Center.

Bigfoot? Perhaps it is more accurate to say Bigfeet.

"Well, obviously," Keating explained in a recent interview at his home, "there is more than one, especially in Ohio. There are a half-dozen within a 20-mile radius of Newcomerstown."

"It is a large primate," said Keating, "that walks upright and looks a lot like a human other than it is covered with hair. The one I seen (last) September was white, but they vary in colors."

That sighting, a straight-faced Keating explained, occurred one autumn night during a Bigfoot stakeout on a farm near the Tuscarawas-Guernsey County line. He swore he saw a hairy, white primate approaching a chicken pen. Further, Keating claimed that since the first alleged Bigfoot encounter near Newcomerstown more than two years ago, "there have been approximately 25 sightings by probably at least 20 different people."

From a room adjacent to the one in which Keating recently entertained a visiting columnist's questions, he produced a pair of plaster casts he said were taken from footprints thought to have been left by the object of his avocational obsession. To the skeptical observer, the "footprints" resembled what Keating suggested only if one was willing to make a standing broad jump across a rather formidable abyss of logic.

Yet on the evening of the day he displayed his plaster casts, Keating was back out in the outback looking for Bigfoot with another member of his study group.

"We took a 35mm Minolta," he later explained of the trek, "and a tape recorder. We were in an open field close to a house where these creatures had been seen before. We just sat there for a while and listened for any loud noises or movements in the weeds. We took a prerecorded tape that was recorded (in California) from the actual creatures. We played it...It's really just a bunch of grunting noises."

If he was worried about the reputation a 23-year-old man might earn sitting in a weed field on Saturday nights aiming taped grunts at a phantom primate, he didn't say so.

SOURCE: Mike Harden in The *Dispatch,* Columbus, OH 5/14/86
CREDIT: J. Moseley via COUD-I

Mysterious Noise Follows Dakota Pair

A couple thought they were "losing (their) marbles" when they spent a week trying to find the source of a mysterious, high-pitched whistle that no one else could hear in Fargo, N.D.

The noise even started following them around town.

"We thought we were hearing things," said Wallace Lewis, who at first thought the noise might be coming from a nearby microwave installation.

Lewis asked friends and relatives if they could hear anything. If they did, nobody owned up to it. The noise followed Lewis and his wife, Donna, into a restaurant and on errands around town.

Last week, Mrs. Lewis noticed the noise would get louder when she opened her purse. She rummaged through it and found her father's hearing aid whistling in the dark. She had been carrying the device around for a week after her father entered a nursing home, Lewis said.

SOURCE: AP in *The Plain Dealer,* OH 9/18/86
CREDIT: Beth Robbins via COUD-I

Teens Report Panther Sighting

Is the big cat back?

A teenage Waterford Township, Mich. couple told police they saw what they believe was a black panther cross Elizabeth Lake Road at Crescent Blvd. in front of their car at about 11:20 p.m. Thursday.

Officer John McLain said officers searched the area but found no tracks or other signs of such an animal.

McLain said the couple told police they were westbound on Elizabeth Lake Road when the cat crossed in front of them, walking north to south.

The 18-year-old boy and 16-year-old girl described the black cat as about four feet long and about two feet high at the shoulders with a three-foot-long tail. They said it "crouched low to the ground as it walked," McLain said.

Police would not release the names of the couple.

Earlier this summer, police and federal wildlife investigators searched unsuccessfully for a black panther blamed for killing a horse near Milford, about 12 miles southwest of Waterford Township.

SOURCE: Detroit *Free Press,* MI 8/23/86
CREDIT: Bill Kingsley via COUD-I

Workmen Flee After Seeing 8-Foot Creature

Five workmen hired to build a footbridge over a creek in Inyo National, Fresno, Calif., said yesterday they fled the area after being confronted by a screaming human-looking creature about 8 feet tall.

Federal forest rangers argued that the men may have seen an upright bear, or heard the screams of a mountain lion.

But the crew chief, Clay Paulson, 38, of Fresno, said the scream sounded like a "stadium loudspeaker." Three other members of the crew backed up his story of hearing the screams and seeing a "shadow-like" creature standing in a forest clearing.

Paulson said the creature disappeared over a ridge after he fired one shot from his rifle into the air.

SOURCE: UPI & AP in the New York *Times,* NY 8/10/86
CREDIT: Janet & Colin Bord via COUD-I

'Tiger' Probably is Just a Puma

An expert on big cats says the elusive animal that prompted a two-day search in the mountains of northeastern Pennsylvania was more likely a native puma than a runaway Bengal tiger.

State police halted their air and ground hunt for the animal late Monday after two days of searching dense forests north of Scranton turned up no trace of a tiger.

SOURCE: UPI in The Milwaukee *Journal,* WI 7/30/86
CREDIT: Eric Helwig via COUD-I

'Strewth Mate It's a Kangaroo

There were startled looks from people in Teignmouth, England early today when they spotted what appeared to be kangaroos running around the town.

One was seen waiting at the bus stop near County Garage in Bitton Park Road, another near temporary traffic lights in New Road and there were also sightings in the Exeter Road and Landscore Road area.

The animals were in fact two wallabies that escaped from a private collection in Holcombe. Police were inundated with calls and they assured people the animals were quite harmless.

"They are too quick for anybody to catch and usually go back of their own accord. The owner and his helpers are out trying to round them up," said a police spokesman.

SOURCE: *Herald Express,* England 7/18/86
CREDIT: David Rossiter via COUD-I

"Ghost" Light in Texas

They say the ghost of Brit Bailey first appeared in 1836, four years after his death. His spectral image floated above his death bed and terrified the new owners of his homestead. In the 1850s "Bailey's Light" first appeared. It rose from the odd grave at the prairie's edge. Once a horseman chased it all night but couldn't close the distance.

"Old Uncle Bubba," the former slave servant of Brit Bailey, said the ghost-light would appear every seven years.

In 1939 someone reported seeing the glowing orb — basketball-sized — hovering in the trees near Bailey's Prairie. In 1946 it showed up again in the same spot. Someone saw it from the highway in 1953 and again in 1960. If you subscribe to Uncle Bubba's rule of seven, Bailey's light should rise again in 1988, five miles west of Angleton on Highway 35.

Brit Bailey came to Texas from Kentucky in 1821 — two years before Stephen F. Austin's first colonists arrived. Austin didn't recognize Bailey's claim to his homestead along the lower Brazos and gave the land to another settler. Kentucky had convicted Bailey of counterfeiting and Austin wanted him out of the colony. Of course, Brit Bailey refused to go.

Austin went to Bailey's Prairie personally to evict the squatter but backed down from the muzzle of Bailey's rifle.

"Is it not a fact that you once served a term in the Kentucky penitentiary?" the colonizer demanded.

"Taint that I'm ashamed of," answered Bailey. "It's the term I served in Kentucky Legislature which sets heavy on my conscience."

Austin never did get along with Bailey but finally granted him legal claim to his league of land in 1824. Austin also respected Bailey's ability to parley with the local Indians. "Always be friendly, but never back up," was Bailey's credo. He served the colony as an Indian fighter in the 1824 Battle of Jones Creek against the Karankawas and also fought in the 1832 Battle of Velasco, the first blood-letting between Anglo settlers and Mexican troops.

A few months after that battle, Brit Bailey lay on his death bed with cholera. In his last days he dictated a will with some strange stipulations. Bailey's coffin went feet-first into an eight-foot shaft as requested. Instead of "There lies old Bailey," he wanted folks to say, "There stands old Bailey, facing west, rifle and pistols at his side."

Old Uncle Bubba tried to slip a jug of whiskey in the coffin at his master's secret request. But the widow Bailey found the libation and yanked it from the box. That's why, said Uncle Bubba, old Brit Bailey can't stand easy in his grave. He's still huntin' that jug of whiskey.

SOURCE: Mike Blakely in The *Houston Chronicle,* TX 8/31/86
CREDIT: Scott Parker via COUD-I

Pebbles Mystery is Solved

The mystery of glowing pebbles on a North Wales beach has been solved.

Scientists are convinced it was a natural phenomenon — and they ruled out links with Sellafield or Chernobyl.

A holidaymaker strolling along the sands of Penmaenmawr started a full-scale alert when he spotted the green pebbles, which even glowed in seawater.

Local constable Brian Williams felt a tingling, burning sensation when he handled one of the stones, and the fire service's chemical crew were called in.

Samples were taken to Robertson Research, the geological and environmental consultants at Llanrhos, Llandudno, for examination.

Chief chemist Mr. Peter Croft said: "We are pretty certain it was plankton. Fishermen from Conwy have reported seeing such luminescence when they go out."

SOURCE: Daily *Post,* Wales 8/14/86
CREDIT: Janet & Colin Bord via COUD-I

Family's Dog Returns Home After Two Years

Duke was always ready for adventure, so when he wandered away from home two years ago his family thought he was just out on the town. As the weeks and months passed, however, they despaired of his return.

Several days ago, the German Shepherd came knocking, there in Tel Aviv, Israel.

"We thought he was lost forever," 15-year-old Gil Rash said Thursday. "Dogs just don't come home after such a long time."

Rash grew up with the 8-year-old canine. "We live on the 10th floor, so Duke used to open the door and go downstairs. But he always came back in the morning," he said.

"Last Friday we heard a noise outside. We opened the door and there he was, wagging his tail. He had a skin disease, his ears were drooping, but otherwise he was just the same old Duke," Rash said.

SOURCE: AP in The San Jose *Mercury News,* CA 8/29/86
CREDIT: Steve Yaple via COUD-I

Ticking Tomb?

"The ticking tomb" is in the cemetery of London Tract Primitive Baptist Church. The ticking sound, which can be heard on a quiet night, has been attributed to everything from an 18th century man who swallowed a chronometer that belonged to Mason and Dixon, to the heart of a young settler yearning for his Indian Maiden.

Less romantic souls attribute it to water dripping on a stone underground.

The church and the tomb are located on London Tract Road, off Delaware Route 896, near the Maryland-Delaware line.

SOURCE: The Sunday *News Journal,* Wilmington, DE 9/7/86
CREDIT: H. Hollander

Hailstones Kill 100 in China

In Peking a series of violent hailstorms and hurricanes this week killed 100 people, injured 600 more and destroyed as many as 80,000 homes in Sichuan province, one of China's principal agricultural areas, authorities reported today.

The region is near Chongqing (once known as Chungking). Badly damaged cities included Yongchuan, Dazu and Rongchang.

"The hail itself lasted for 50 minutes," a spokesman for Chongqing's housing and land bureau told the Los Angeles Times. "The biggest of the hailstones weighed 1.5 kilograms (more than three pounds)."

SOURCE: Waukegan *News-Sun,* IL 5/23/86
CREDIT: Lorris Dewar

Falling Ice Probe After Bomb No. 3

A block of ice the "size of a carrier bag" plunged from the sky narrowly missing two cricket-playing youngsters.

It was the third ice "bomb" believed to have fallen from an airliner in the last week — and last night the Civil Aviation Authority were urgently investigating the incidents.

At first they dismissed it as a million-to-one chance. But last night a CAA spokesman said: "We now believe it is due to freak atmospheric conditions."

The first smashed a gaping hole in a garage roof at Hitchin, Herts, and on Saturday the second fell beside a three-year-old girl playing in her garden at Ampthill, Beds.

The third block came down in Highland Drive, Bushey, Herts, at the weekend, a few yards from Matthew Stephens, 13, and his friend. It landed in the garden of a neighbor who dashed out to give them a telling off for throwing stones.

But Matthew's mother, Mrs. Brenda Stephens said: "It came down with a real thud, then sprayed ice all over the place. If it had hit the boys it would have killed them."

The CAA spokesman said: "It's likely to be either galley or toilet water which has formed on the outside of the aircraft. When the aircraft flies through a freak warm area at high altitude the ice falls away."

SOURCE: Colin Pratt in The Daily *Express,* England 8/31/86
CREDIT: David Rossiter via COUD-I

Fish Story

Jocelyn Vasquez, 24, has back her A&M Consolidated High School senior ring that she lost near Lake Palestine in 1981. The ring was found by C.B. Stephens of Flint when he cleaned a 1½-pound crappie he caught at Lake Palestine recently. Stephens gave the ring to Tyler game warden Jerry Chilton, who contacted officials at the College Station School, in Texas.

SOURCE: Houston *Chronicle,* TX 8/1/86
CREDIT: Scott Parker via COUD-I

Giant Hail Kills 16

Hailstones weighing up to 11 pounds killed at least 16 villagers and injured 125 in southwestern China over the weekend, the People's Daily reported today.

The paper said hailstorms destroyed 39,500 acres of crops and damaged 2700 pieces of irrigation equipment in the Guangxi region.

SOURCE: San Francisco *Chronicle,* CA 5/7/86

CREDIT: Scott Parker via COUD-I

Police Probe 'Triangle' Mystery

Police are examining a 40-year-file on two missing men to try to solve the mystery disappearance of two teenage sisters in 1985.

Debbie and Jackie Walker vanished off Filey Beach, North Yorkshire, last August. Now police have discovered that two men vanished under similar circumstances in almost the same place in August 1947.

This has sparked suggestions that there could be a "Bermuda Triangle" there.

The girls were last seen paddling an inflatable dinghy about 50 yards off Filey Beach, North Yorkshire.

Their bodies were never discovered, nor any trace of the flimsy dinghy or clothing despite intensive air, sea and beach and cliff searches.

The men who disappeared in 1947, Mr. George Smith and Mr. Thomas Shaw, were both in their 30s. They lived in nearby Scarborough and were experienced sailors.

They were seen off Filey Beach in a 10 foot wooden boat which became enveloped in fog — and disappeared without a trace.

Debbie (18) and Jackie (17) from near Leeds were on holiday at Filey.

A police spokesman said: The two men disappeared under remarkably similar circumstances in almost the same place about the same time of the year. Neither their bodies, nor their dinghy, were ever found."

SOURCE: *Daily Post,* Wales 8/7/86

CREDIT: Janet & Colin Bord via COUD-I

Yacht Mystery Deepens

The mystery surrounding the discovery of a lone woman sailor's yacht drifting apparently abandoned in a mid-Atlantic storm with sails half-set deepened yesterday.

For although a Liberian tanker had been standing by the sloop, the Rupert, until seas moderated sufficiently to send a boat across to her, when dawn broke yesterday the 28-foot yacht was nowhere in sight.

There is now speculation that 26-year-old yachtswoman Miss Ann Miller, of Achiltibuie, Scotland, may still be on board sailing home to Britain.

Falmouth coastguards, who are handling the British end of the search operations, said last night: "It is just possible that Miss Miller was in an exhausted sleep below.

SOURCE: *Western Morning News,* England 7/12/86

CREDIT: David Rossiter via COUD-I

China Has Lake Tianchi Dragon

In Changbaishan, China people have been talking about the "monster" ever since hunters a century ago reported seeing a gold-colored creature with a large horned head on a long hairy neck rise out of Tianchi, a spectacular crater lake.

The hunters were convinced it was a dragon.

About 500 people since then have reported seeing odd-looking creatures in the lake, said Dong Dehui. He has worked for seven years in a weather station overlooking Tianchi on the Chinese-North Korean border.

But so far no one has come up with proof that the *quai wu* (strange beast) exists.

A few decades after the hunters thought they saw a swimming dragon, six people said they spotted an animal the size of a small cow. They said it let out a deafening howl when they shot it in the stomach. The creature sank and disappeared.

Some people say not even a monster could survive in Tianchi. It is frozen about nine months of the year. It supports no known life form except for micro-organisms.

Tianchi, or Heaven Lake, is atop Baitou Mountain. The mountain is a dormant volcano in China's frigid northeast. It is about 220 miles from Pyongyang, the North Korean capital.

The volcano last erupted in 1702. Tianchi was created by rainwater, melting snow and springs.

Dong said most of the people, including some of his co-workers at the weather station, describe the thing they have seen as being the size of an ox with a head like a seal, and black with a white belly.

A Chinese book called "Wonders of the Changbai Mountains," describing the range to which Baitou Mountain belongs, says two animals were seen in 1962 chasing each other through the water.

In this account, they had dog-sized heads and were brown.

SOURCE: AP in The *Plain Dealer,* Cleveland, OH 9/14/86

CREDIT: Beth Robbins via COUD-I

'Tarzan' Boy Found in Jungle

A tiny child who behaves like a monkey has been found in Uganda where he lived wild with apes in the jungle of the Luwero triangle, site of massacres and killings during Uganda's civil war.

The boy shuns humans, moves like a monkey and grunts and squeals instead of speaking.

Retreating Uganda government troops found him living with monkeys last September and he is now at an orphanage in Kampala.

It is believed that the boy lost his parents in infancy during fighting and was mothered by a chimpanzee or a gorilla.

SOURCE: Daily *Post,* Wales 7/3/86

CREDIT: Janet & Colin Bord via COUD-I

"Extinct" Lemur Rediscovered

A bamboo-eating lemur with rusty-red fur and golden cheeks that was thought to have become extinct has been rediscovered in the mountainous rain forests of Madagascar.

The greater bamboo lemur is a four-legged, tree-dwelling creature the size of a large cat, with a raucous, crowlike call, said Patricia Wright, the Duke University primatologist who found it during an expedition to Madagascar.

"This is the most significant primatological discovery of the decade," Russell Mittermeier, director of the primate program of the World Wildlife Fund-U.S., said Tuesday.

"It's a major species, and it's so distinct that it may be in its own genus," he said. "In terms of its ecology, it's a highly specialized species, and that degree of specialization is unusual in primates," he said. "It seems to be eating just a certain kind of bamboo."

Wright found that the lemur prefers giant bamboo, which reaches heights of 65 feet and produces stalks 3 inches in diameter at their base.

Like all lemurs, it is a primate, as are monkeys, apes and humans. True lemurs are found only in Madagascar, an island nation in the Indian Ocean that is half again as big as California and has perhaps the most diverse collections of plants and animals of any region on earth, Mittermeier said.

The rediscovery of the lemur fills a critical need for scientists trying to trace the evolution of primates in Madagascar, Wright said, because it is the only survivor among 20 species of lemurs known from fossils to have lived in Madagascar 1,000 years ago.

Prior to Wright's discovery, the last confirmed sightings of the lemur were in 1972, when two Frenchmen captured a pair of them and brought them to zoos, where they soon died, Wright said.

The greater bamboo lemur is now classed as one of the most endangered primates in the world, said Mittermeier, who plans a trip to Madagascar in October to see whether steps might be taken to establish a reserve for the animal.

Wright guessed that the population of the lemurs may have declined to 100 or 200.

Wright said the lemurs also exhibited behavior that was remarkable for tree dwellers. "They slid down the trunk and walked on the ground away from me, which is something I've never seen a monkey or lemur do. And they would hide from me on the ground for a half an hour or an hour."

Wright discovered the greater bamboo lemur in an area near the town of Ranamafana.

SOURCE: AP in The Houston *Chronicle,* TX 9/24/86

CREDIT: Scott Parker, via COUD-I

(Thanks, again, to COUD-I)



SITUation

A "Demon" in Pittston, PA?

The following is from the Scrantonian-Tribune *as dated:*

Thursday, August 21, 1986

The Smurls say they pray a lot, and have Rosaries, and other special religious medals in their house. They said that at 12:30 a.m. Wednesday it started again. "While we were kneeling, it started banging around the room, and at the walls. It was angry," Jack Smurl said.

What's been taking place at the Smurl residence, the family says, are black shadows with distorted heads, moanings, heavy sighs, pig oinkings, hoof sounds like goat's feet running on the walls, the toilet that flushes by itself and other strange happenings. Members of the family say they've been dragged from bed and slapped and scratched by unseen hands.

The Smurls' German Shepherd, they said, was thrown against a wall and was beaten by some unknown force. Household objects move by themselves, and other household items disappear completely, then reappear days later in a pile on the floor.

People who know the Smurls or who have friends who know them, say they believe what the Smurls say, and that something terrible is taking place in the house.

Jack Smurl, 44, and Janet Smurl, 39, live on one side of the duplex with their children, Dawn, 17; Heather 14; and seven-year-old twins Shannon and Carin, and Jack Smurl's parents who live next door to them say they've had similar experiences with the demons.

Demonologists believe demons are going from duplex to duplex, and that's why attempts at an exorcism by a Catholic priest from Monroe, Conn., were unsuccessful twice this year in February and again in May.

Scores of curious onlookers drove by the Smurl house Wednesday afternoon, and Janet Smurl said hundreds of people were outside the house Tuesday night. Police had to block off the street Wednesday.

Janet Smurl said one night while her husband was kneeling and praying, he was levitated off the floor for a few seconds, and that one of their daughters was levitated down the steps in the house at 1 a.m. one morning.

Thirty people who have tried to help them, the Smurls said, have also been affected, with closet doors opening, shoes flying out of the closet, and rooms that get cold suddenly.

One theory is that the demons are not attached to the house, but are part of the property. The house was the first one built on the street about 100 years ago, and there's some thinking that something could have happened in the field where the house now stands.

The Rev. Gerald F. Mullally, chancellor of the Diocese of Scranton, said the diocese is looking into the case, and if an exorcist is called for, one will be called in.

A national demonology expert said the Smurl house, which is attracting worldwide attention, is being haunted by "inhuman demonic spirits," and a team of Catholic priests is needed to drive the demons out.

Lorraine Warren of Monroe, Conn., who with her husband Edward have been the subjects of three books and an NBC Movie of the Week on demonology, told *The Scrantonian-Tribune* that the case in West Pittston is one of the most unusual they've ever had.

The Warrens and a team of investigators spent several weekends at the Smurl house and said that on audio tape they've recorded the sounds of the oinkings of pigs, sighings, moanings and hoofs like goats' feet running on the walls.

Video tape film was also taken by the team, and Lorraine Warren said the film shows something "bizarre" and "suspicious."

Asked what this could be, she said in many other cases they've investigated, families have seen "a black substance that you can't see through. It's hunched over, has no face, but appears to be a man who is five-and-a-half to six-feet tall."

She said there's something on the film taken at the Smurl house, but it doesn't show in full detail what it is.

Warren said in the 40 years she and her husband have been researching spirits, the only photo of a demonic spirit they obtained was taken by one of their photographers at a house in Lee, Mass., in 1981.

"We have something suspicious taken at the Smurl house on video, but it's not the same clarity of the one taken in Lee," she said.

Warren said Jane Smurl saw something go into a six-foot high cabinet in the bathroom at their West Pittston duplex.

Police officers, doctors, professors and college students, Lorraine Warren said, work on cases with them, and she said help is needed from the Catholic Church on the Smurl situation.

"We feel we need a team of priests (for an exorcism). We've never had a case affecting so many people. It's one of the most unusual we've ever had," Lorraine Warren said.

Saturday, August 23, 1986

Janet Smurl said that the demons surfaced in the bedroom she and her husband share at 1:30 a.m. Friday. "There were bangings in the room and a heavy, musty, moldy smell. It was a suffocating type of smell. You could hardly breathe in our bedroom," she told *The Scrantonian-Tribune.*

The moldy smell was so bad, she said, that they considered leaving the house.

When the moldy smell went away, it was replaced by another smell, one the family says is a good omen. "We had a flower smell in the room at 1:45 a.m.," Janet Smurl said.

The family believes the flower smell may be from guardian angels who are in the house to protect the family from demons who might harm them.

The Smurls live at 330 Chase Street. A neighbor who lives a few houses away at 340 Chase St., says he's been complaining about a sewer stench for more than a year, and that the smell comes from a sewer on the corner of Chase Street.

Bernard Radzvin said he's complained about the smell to borough officials.

Over at the Smurl residence, the family maintains that events that are taking place are real. The Smurls want the Catholic Church to send in a team of priests to perform the rites of exorcism, but Scranton Diocese officials say they're proceeding cautiously in the investigation.

Dawn Smurl, 17, one of the Smurl's children, was outside the house where she was chatting with friends. When asked if she's had any recent experiences with demons, she said that two days ago there was a "growling" sound in the house.

Debbie Watson, 21, who lives next door to the Smurls, said she believes there are demons in the Smurl house because she's experienced strange things.

Watson said that two months ago, at 2 a.m. one morning, she fell asleep in her room, when she woke up to a scratching noise on the window screen. The window overlooks the Smurl house.

After the scratching noises, Watson said, "the room got cold," and Watson went downstairs to tell her mother what had happened.

Another time, Watson said, when the Smurls were out camping, "my mother heard two loud female screams coming from the Smurl house. The screams were about five minutes apart. There was no one in the Smurl house when the screams took place."

Watson said her brother Paul was in the Smurl house one day when he heard a knocking on a table from an invisible force.

Tuesday, August 26, 1986

Edward Warren, director of the New England Society for Psychic Research, said the evidence of demonic infestation of Jack and Janet Smurl's home would not be released publicly until it is reviewed by the Roman Catholic Church.

At a news conference outside the modest duplex on Chase Street, one angry reporter challenged Warren to produce "one shred of evidence" of paranormal activity in the home.

"Show us something," the reporter shouted. "Give us something to go with."

"We're giving you everything you're going to get," Warren shot back. "If you can bring up a couple of priests here to help these people, fine. But we really don't have to give you anything. For one thing, you're too obnoxious."

Warren said because only the church can help the Smurls by conducting an exorcism, "the church has priority" to the audio and video tapes.

"These are not fairy tales," Warren said. "This is happening and it is happening now."

CREDIT: *Our thanks for the above material from a SITU member.*

The Notes of Charles Fort

Deciphered by Carl J. Pabst

•	For some obscure reason, Fort cut a notch on the right side of the note.
••	For some obscure reason, Fort cut a point on the left side of the note.
ab.	about
(A 1)	[?Almanac?]
Am J. Sci	*American Journal of Science*
BA	*Report of the British Association for the Advancement of Science*
BCF	*The Books of Charles Fort*
B.D.	*The Book of the Damned*
Bull. Ac. Sci Brux	Bulletin of the Academy of Science in Bruxelles[?]
Ciet et. T	*Ciel et Terre*
Cor	Correspondent
C.R.	*Comptes Rendus*
D-209	*The Book of the Damned*, page 209
D. News	London *Daily News*
Det met	Detonating meteorite
E. to W.	East to West
Finley's Rept.	Finley's *Reports on the Character of 600 Tornadoes*
(Fr)	France
Gelat	Gelatin
Jour des Debats	*Journal des Debats*
l b's	ladybird s
LT	London *Times*
Mag. of Sci	*Magazine of Science*
met or metite	meteorite
Mo.	Missouri
(N)	[?]
Niles Nat. Register	*Niles' National Register*
Nor Car	North Carolina
N.S. Wales	New South Wales
obj	object
oc	occurrence
Op Mars	Opposition Mars
phe	phenomena
q	earthquake
R.I.	Rhode Island
Sup.	Superstition
th. storm	thunderstorm
Timbs'	*Timb's Year Book*
Trans Merc.	Transit Mercury

(Continued from **PURSUIT** *Vol. 19, #2, page 96)*

1844 Aug. 9, 10 / Many mets / Belgium / *BA* 47-15.

1844 Aug. 16 / Darmstadt and Frankfort / Fireball / *BA* 60.

1844 Aug. / 1 b's / Brighton / *D. News*, Aug. 17, 1847.

1844 Aug. 29-30 / night / Demerara / q. / *N.Y. Herald*, Oct. 25-1-b / Ab. 3:30, morning of 30th, the q, which was disastrous. Had been preceded by a violent th. storm.

1844 Aug. 30 / Tobago and Dominica shaken. / *N.Y. Herald*, Nov. 5-2-4.

1844 Sept. 4 / Bombay / very large meteor / E to W / *BA* 60.

1844 Sept. 5 / Overall, Silesia / very large fireball / E to W. / *BA* 60.

1844 Sept. 4 / from Aug. 25, 1843, to — // 37 shocks at Comrie noted / *B Assoc* 1844/86 /
[Reverse side] That scarce a day without hearing either the rumbling in the earth or the "moaning in the air". Statement by Lady Moncrie, of Comrie.

1844 Sept. 10, 20 / Fireball / Belgium / *BA* 60.

1844 Sept. 10 / Ab. 9 p.m. in the Vosges, great meteor. / *C.R.* 19-1035.

1844 Sept. 10 / evening / Bolide / Belgium / *C.R.* 19-1036.

1844 Sept. 15 / 4:30 p.m. / Wirtemburg / det met / *BA* 60-100 / in sunshine.

1844 Sept. 19 / night. / Livingston Co., N.Y. / Sound like that of an explosion and reverberations almost [Reverse side] a minute and q. / *Niles Nat. Reg.*, Sept. 28.

1844 Sept. 19 and Oct. 22 / 33 days apart / Shocks / Rochester, NY / *Timbs* '54/268.

1844 Sept. 19 / Whirlwind near Toulouse / *C.R.* 19/851.

1844 Sept. 19 / *Morning Chronicle* of / Incendiary fires in Suffolk.

1844 Sept. 24 / Fireball / S. Italy / *BA* 60.

1844 Sept. 30 / Lombardy / Fireball / *BA* 60.

1844 Oct. 2 / Cuba / Met. explosion / *BA* 60.

1844 Oct. 4 / Like a signal light / *D*-75 / See 42.

[*BCF*, pp. 287-288 / See April 1, 1826.]

1844 Oct. 4 and 5 / Destructive Hurricane / Cuba / *N.Y. Herald* 22-3-6.

1844 Oct. 6 and 18 / Destructive gales / America / *N.Y. Herald*, Oct. 22-2-4.

1844 Oct. 6 / III / [Great] / q / China / *BA* 11.

1844 Oct. 8 / Gelat / Germany / (20) / *D*-49.

[*BCF*, p. 49 / See 1811//.]

1844 Oct. 8 / 7:30 p.m. / Vals, near Puy / bolide larger than Jupiter / *C.R.* 19-1036 /
[Reverse side] Slowly S.S.W. to N.N.E.

1844 Oct. 9 / Rhone rising. Heavy falls of rain. Bridges swept away.
[Reverse side] Communication interrupted. / *J. des Deb*, Oct. 19-1-1.

1844 Oct. 10-13 / Floods at Nimes / *J des Deb*, Oct. 18.

1844 Oct. / Plan / Only that happen to have the Australian note / and merely very odd.

1844 Oct. 10 / Bonn / Meteor / *BA* 60

1844 Oct. 12-14, etc. — to about 20th / (Australia) / Reported from Bathurst, N.S. Wales, torrential rains,
[Reverse side] swollen rivers — bridges swept away. / *Sydney Morning Herald* 22-3-1 //
[Front side] *Herald*, 28th — on 17th, a sudden rush of waters down the Lachlan river, carried away a police barracks —
[Reverse side] swept thousands of sheep with it. // At Gundagai, "a most awful visitation from the 10th. / *Herald*, 29th.

1844 Oct. 13 / 3 sharp shocks / Piedmond, Italy / *N.Y. Herald*, Nov. 24-1-2.

1844 Oct. 14 / *B.D.*-176 / Eguilles / huge "hailstone" / One weighed 10 pounds. / *LT*, Nov. 1-3-f /
[Reverse side] At Cette, ac to Flammarion / See Oct. 20.

[*BCF*, p. 185 / See May 8, 1802.]

1844 Oct. 15 / 1:12 a.m. / Great meteor, London — through Pegasus toward Lyra / *LT*, Oct. 16-5-d.

1844 Oct. 15 to Nov. / In Italy. In Tuscany the most disastrous floods since
[Reverse side] the year 1740. 2 weeks continuous rain. / *LT*, Nov. 15-5-d.

1844 Oct. 18 / night / Tremendous hurricane, Rochester and Buffalo. Most violent ever known there. Many lives lost in Buffalo. /
[Reverse side] *N.Y. Herald* 22-3-4.

1844 Oct. 18 / q — rain / q. / Peru / 10:30 p.m. / From time of first shock till sunrise,
[Reverse side] heavy rain fell. / *B.A.* 50-82.

1844 Oct. 18 / Argentine / III / [Great] / q. / *BA* '11.

1844 Oct. 20 / 20 inches of rain at South Head, N.S. Wales. / *Sydney Morning Herald*, Feb. 26, 1873.

1844 Oct. 20 / Series / Storm at Aix — in the little district of Equilles, nearby, masses of ice had fallen, one of them weighing 10 pounds. /
[Reverse side] *L.T.*, Nov. 1-3-f.

1844 Oct. 20 / 12 N; 38 W. / "Thousands if not millions" of grasshoppers. They were like the grasshoppers of U.S. but "of a deeper red".
[Reverse side] 700 miles from land. Supposed carried by a hurricane. / *N.Y. Herald*, Nov. 29-2-3.

1844 Oct. 20 / Another vessel 400 miles from this vessel was shaken. / *N.Y. Herald*, Nov. 17-2-4.

1844 Oct. 20 / At St. Croix, severe shock, cracking walls of the sugar houses. / *N.Y. Herald*, Nov. 9-2-2.

1844 Oct. 20 / Off West Indian Island of Saba, severe shock to a vessel. / *N.Y. Herald*, Nov. 9-2-4.

1844 Oct. 20 / *N.Y. Herald*, Nov. 20-1-4 / Millerism survives. / In middle of November, the Selectmen of Meredith, New Hampshire,
[Reverse side] to the Judge of Probate for guardians to be appointed to take care of businesses and farms of 10 Millerites who were still preparing. Selectmen of other towns acted similarly.

1844 Oct. 21 / Metite of Layssac / N.M. / *C.R.* 19-1181.

1844 Oct. 21 / (See July 4, '48) / Favars, Aveyron, France / Met / (*F*) / See before.

1844 Oct. 21 / 6:45 a.m. / Laysac, France / said doubt whether the

stone found was meteoric / doubtful where it was at the time of listing / *BA* 60-82.

1844 Oct. 22 / *N.Y. Herald,* Oct. 24-1-4 / Secretary of the Treasury acknowledges receipt of $5.00 from a Millerite whose conscience been troubling him. / Camps of them in Pa. In one several children died of exposure.

1844 Oct. 22 / *N.Y. Herald,* Oct. 17-2-1 / "The last day is positively set down for the 22nd of this month, although possibly it may be on the 23rd" ac to the Millerites. / Hosts on their knees in chapels of N.Y. City. Mostly females. One of meetings man entered and was rough about
[Reverse side] taking his wife out of it to go home and return to the cooking — had[n't] had a home-cooked meal for 10 days. Some Millerites interfered and he threatened to lick all Millerites. / 20-2-4.

1844 Oct. 22 / 8 a.m. / q. in Western part of state of N.Y. on day some of the Millerites were
[Reverse side] expecting the end of the world, though others expected on 23rd. / *Niles Nat. Reg.,* Nov. 2.

[1844 Oct. 22] / Thought effects? / Q in Western New York, Oct. 22, 1844, the day some of the Millerites were expecting the end of
[Reverse side] the world, though others expected on Oct. 23. / *Niles Nat. Register,* Nov. 2, 1844.

1844 Oct. 22 / Considering the phe, the Millerites had reason for thinking that though the
[Reverse side] world did not come to an end, there were great disturbances in the period.

1844 Oct. 22 / Whirlwind ravaged village of Cette. / *C.R.* 19-1181 / See Jan. 16, 1845.

1844 Oct. 22 / (Series) / 4 p.m. / Cette / *L.T.* 30-4-1 / Said that an electric waterspout fell upon the town. A violent explosion was heard, and for two minutes there were crashing
[Reverse side] sounds in the air. Water fell from the sky and smashed in roofs. A dozen boats were sunk in the canal. The wind was violent. A house four stories high was crushed to the earth.

1844 Oct. 22 / Still the floods in France.

1844 Oct. 22 / Millerite delusion survive in Providence, R.I. The leaders had resumed advertising meetings. / [Reverse side] *N.Y. Herald,* 17-1-4.

1844 Oct. 22 / Whirlwind at Cette. 200 buildings damaged. / *N.Y. Herald,* Nov. 24-1-4.

1844 Oct. 24 / See Oct. 24, 1844. Read *Times.* No Equilles.

1844 Oct. 24 / 8 a.m. / Shock at Batavia, N.Y., and other towns. / *N.Y. Herald* 27-1-3.

1844 Oct. 25 / Jackson Co., Mo. / 6:30 p.m. / Tornado. / *Finley's Rept.*

1844 Oct. 25 / "Awful tornado Western Missouri. Loss of life and destruction of property. / *N.Y. Herald,* Nov. 12-1-3.

1844 Oct. 25 / [*LT*], 5-b / Sup. at Paisley.

1844 Oct. 27 / det / *C.R.* 19-1036 / 9:40 p.m. / Parce-sur-Sarthe / Meteor seemed equal to the moon. / *east to* west / detonation like gunfire ab 4 minutes later /
[Reverse side] See Nov. 20. / also Angers / *BA* '60.

1844 Oct. 29 / *Jour des Deb.* / Valley and fields of Southern France turned [i]nto lakes.
[Reverse side] Increasing Inundations.

1844 Oct. 31 / Flows / Nor Car / See 1829.

1844-45) winter / Carbonaceous / Essex Co., N.Y. / *Am J. Sci* 2-28-275.

★

1844 Nov. 1 / Phosphorescent rain / Paris.

★★

1844 Nov. 2, 17, 18, 19, 20, 21 / Meteors / Bombay / *BA* 60.

1844 Nov. 13, 14 / Watchers for meteors disappointed. / *N.Y. Herald* 19-1-5 ///
[Reverse side] Applied by petition.

1844 Nov. 15 / Off coast of Lund Island, submarine eruption suspected. Sea covered with dead fish. /
[Reverse side] *N.Y. Herald,* 23-1-6.

1844 Nov. 20 / Laysac, etc. / 3 a.m. / N.E. to S.W. / Another met ½ diameter of moon. / *BA* '60-82.

1844 Nov. 20 / 2 a.m. / Met reported from Laysac. Also in depts of Tarn, l'Aveyron,
[Reverse side] and Lozere. / *C.R.* 20-887 / And tremendous detonation.
[Second page] An hour later it was followed by another, which was almost half the size of the moon,
[Reverse side] but with no explosive sound.

1844 Nov. 20 / Meteor / 2 a.m. / E. to W. /
[Reverse side] Great and numerous detonations" — Laysac, Aveyron, etc. / *BA* 60.

1844 Nov. 20 / Laysac, Aveyron, etc. / E. to W. / 2 a.m. / Met brighter than moon. Great and
[Reverse side] numerous detonations. / *BA* '60-82.

1844 Nov. 20 / Great det met. Later another. / See *C.R.* / Laysac, France / *BA* 60-82 / See Oct. 21, 27.

1844 Nov. 21, etc. / Stones / Ac to the *Ross-shire Advertiser,* in *L.T.*, Dec. 14-6-e / This night two large stones were thrown through window in ground floor of the parochial schoolhouse of Cline. A reward of 20 guineas.
[Reverse side] was offered for information. In newspaper account it is said been revenge by somebody. But night of Dec. 1, stones smashed windows in a house at Rogart. On night of 5th, a girl at Dunrobin was struck on head by stones said been thrown by someone unseen in the dark. / (In Sutherlandshire.)

1844 Nov. 20, etc. / Nothing in *Sydney Morning Herald.*

1844 Nov. 27 / Parce-sur-Sarthe / *BA* 60 / E. to W. / Meteor size of moon. Loud detonations.

1844 Dec. 6 / toward Midi / At Havre. A violent explosion in a chimney.
[Reverse side] There was no known cause of it. / *J des Debats* 9-1-4.

1844 Dec. 8 / Paris, etc. / met train / zenith to horizon / N.W. to S.E. / *BA* 60-82.

1844 Dec. 9 / 5:20 p.m. / Meteor at Paris / *C.R.* 19/1320.

1844 Dec. 9 / Hamburg / Large met / *BA* 69-282.

1844 Dec. 12 / 12:50 a.m. / Limoux / an enormous meteor / *C.R.* 20-320.

1844 Dec. 14 / [*LT*], 3-e / Singular Oc. at Exeter.

1844 Dec. 29 / Aurora / *C.R.* 20-106.

1845

1845 or 46 / Hay objects by Herschel.

★★

[*BCF*, pp. 221-222:

Letter from Sir Robert Inglis to Col. Sabine (*Rept. Brit. Assoc.,* 1849-17):

That, at 3 p.m., Aug. 8, 1849, at Gais, Switzerland, Inglis had seen thousands and thousands of brilliant white objects, like snowflakes in a cloudless sky. Though this display lasted about twenty-five minutes, not one of these seeming snowflakes was seen to fall. Inglis says that his servant "fancied" that he had seen something like wings on these — whatever they were. Upon page 18, of the *Report,* Sir John Herschel says that, in 1845 or 1846, his attention had been attracted by objects of considerable size, in the air, seemingly not far away. He had looked at them through a telescope. He says that they were masses of hay, not less than a yard or two in diameter. Still there are some circumstances that interest me. He says that, though no less than a whirlwind could have sustained these masses, the air about him was calm. "No doubt wind prevailed at the spot, but there was no roaring noise." None of these masses fell within his observation or knowledge. To walk a few fields away and find out more would seem not much to expect from a man of science, but it is one of our superstitions, that such a seeming trifle is just what — by the Spirit of an Era, we'll call it — one is not permitted to do so. If those things were not masses of hay, and if Herschel had walked a little and found out, and had reported that he had seen strange objects in the air — that report, in 1846, would have been as misplaced as the appearance of a tail upon an embryo still in its gastrula era. I have noticed this inhibition in my own case many times. Looking back — why didn't I do this or that little thing that would have cost so little and have meant so much? Didn't belong to that era of my own development.]

1845 / Manna in province of Van, Asia Minor, was L. esculenta. / Gardeners' Chronicle, July 11, 1846.

[*BCF*, pp. 132-134:

London *Times,* Dec. 24, 1851:

That Hiram De Witt, of Springfield, Mass., returning from California, had brought with him a piece of auriferous quartz about the size of a man's fist. It was accidentally dropped — split open — nail in it. There was a cut-iron nail, size of a six-penny nail, slightly corroded. "It was entirely straight and had a perfect head."

Or — California — ages ago, when auriferous quartz was forming — super-carpenter, million of miles or so up in air — drops a nail.

To one not an intermediatist, it would seem incredible that this datum, not only of the damned, but of the lowest of the damned, or of the journalistic taste of the accursed, could merge away with something else damned only by disregard, and backed by what is called "highest scientific authority" —

Communication by Sir David Brewster (*Rept. Brit. Assoc.,* 1845-51):

That a nail had been found in a block of stone from Kingoodie Quarry, North Britain. The block in which the nail was found was nine inches thick, but as to what part of the quarry it had come from, there is no evidence — except that it could not have been from the surface. The quarry had been worked about twenty years. It consisted of alternate layers of hard stone and a substance called "till." The point of the nail, quite eaten with rust, projected into some "till," upon the surface of the block of stone. The rest of the nail lay upon the surface of the stone to within an inch of the head — that inch of it was embedded in the stone.

Although its caste is high, this is a thing profoundly of the damned — sort of a Brahmin as regarded by a baptist. Its case was stated fairly; Brewster related all circumstances available to him — but there was no discussion at the meeting of the British Association: no explanation was offered —

Nevertheless the thing can be nullified —

But the nullification that we find is as much against orthodoxy in one respect as it is against our own expression that inclusion in quartz or sandstone indicates antiquity — or

there would have to be a revision of prevailing dogmas upon quartz and sandstone and age indicated by them, if the opposing data should be accepted. Of course it may be contended by both the orthodox and us heretics that the opposition is only a yarn from a newspaper. By an odd combination, we find our two lost souls that have tried to emerge, chucked back to perdition by one below:

Pop. Sci. News, 1884-41:

That, according to the *Carson Appeal,* there had been found in a mine, quartz crystals that could have had only 15 years in which to form: that, where the mill had been built, sandstone had been found, when the mill was torn down, that had hardened in 12 years: that in this sandstone was a piece of wood "with a nail in it."]

[*BCF,* 537-538:

Back to Crater Mountain, Arizona, for an impression — but far more impressive are similar data as to these places of Atacama and Copiapo, in Chile. In the year 1845, M. Darlu, of Valparaiso, read, before the French Academy, a paper, in which he asserted that, in the desert of Atacama, which begins at Copiapo, meteorites are strewn upon the ground in such numbers that they are met at every step. If these objects fell all at one time in this earthquake region, we have another instance conceivably of mere coincidence between the aerial and the seismic. If they fell at different times, the indications are of a fixed relationship between this part of Chile and a center somewhere in the sky of falling objects commonly called "meteorites" and of cataclysms that devastate this part of Chile with concussions commonly called "earthquakes." There is a paper upon this subject in *Science,* 14-434. Here the extreme abundance asserted by M. Darlu is questioned: it is said that only thirteen of these objects were known to science. But, according to descriptions, four of them are stones, or stone-irons, differing so that, in the opinion of the writer, and not merely so interpreted by me, these four objects fell at different times. Then the nine others are considered. They are nickel-irons. They, too, are different, one from another. So then it is said that these thirteen objects, all from one place, were, with reasonable certainty, the products of different falls.

Behind concepts that sometimes seem delirious, I offer — a reasonable certainty —

That, existing somewhere beyond this earth, perhaps beyond a revolving shell in which the nearby stars are openings, there are stationary regions, from which, upon many occasions, have emanated "meteors," sometimes exploding catastrophically over Atacama, Chile, for instance. Coasts of South America have reeled, and the heavens have been afire. Reverberations in the sky — the ocean has responded with islands. Between sky and earth of Chile there have been flaming intimacies of destruction and slaughter and woe —

Silence that is conspiracy to hide past ignorance; that is imbecility, or that is the unawareness of profoundest hypnosis.

Hypnosis —

That the seismologists, too, have functioned in preserving the illusion of this earth's isolation, and by super-embryonic processes have been hypnotized into oblivion of a secret that has been proclaimed with avalanches of fire from the heavens, and that has babbled from books of the blood of crushed populations, and that is monumentalized in ruins.]

1845 Jan. 16 / See Nov. 20. / 10 a.m. / Not seen at *Layssac,* but 10 a.m. detonation heard. And at *Cette,* met seen in full sunlight. / C.R. 20-890 / [Reverse side] BA 60-82.

1845 Jan. 16 / Laysac and Cette / 10 a.m. / "Fine bolide; daylight; great explosion and noise." / BA '60-82.

1845 Jan. 25 / (Fr) / 3 p.m. / Louans (Indre et Loir) / stonefall / C.R. 92/984.

1845 Jan. 26 / Gruneberg, Silesia / N.W. to S.E. / remarkable meteor / BA 60.

1845 Jan. 27 / Hamburg / Meteor / BA 60.

1845 Jan. 29 / [L*T*], 4-e / Ghost in daylight / East Lothian.

1845 Jan. 31 / Nottingham / Meteor / BA 60.

1845 Feb. / Remarkable snowfalls / Vosges / Compt Rendus 20-1305.

1845 Feb. 10 / Sutton, Macclesfield / flash of lightning down a chimney / foggy — no storm / L.*T.* 17-5-a.

1845 Feb. 17 / Paris / Fireball / BA 60.

1845 Feb. 19 / Q and down the plain of the river Lagunilla (U.S. Columbia) poured a torrent of
[Reverse side] liquid clay, overwhelming villages. / Timbs' '46-271 / See if 1843.

1845 Feb. 21 / [L*T*], 6-f / Remarkable Fatality.

1845 March 9 / Cambridge / unusual sunspot / L*T*, March 11-7-b.

1845 March 9 / q in Scotland / q in Mexico / "A most singular appearance of the sun" noticed at Cambridge. / Timbs' Year Book 1846-132.

1845 March 10 / Hamburg / Meteor / BA 60.

1845 March 26 / Huntingdon / ab. 9 p.m. / q and sound — phe at first thought from an explosion / L*T*, Ap 3-6-d.

1845 March 29 / London / "Curious stationary meteor." / B.A. 60.

1845 March 29 (?) / (3) / Athenaeum, Ap. 5, 1845 / Cor writes that saw in a part of the sky familiar to him —
[Reverse side] obj that in telescope looked like four stars with a nebula in the center. In about 2 minutes it disappeared or faded away.

1845 March (?) / Cor saw comet similar to a small nebula — brought his telescope to bear upon it. Looked like four
[Reverse side] stars with an orange-colored mist in the center. It moved away and disappeared two minutes after he had begun telescopic examination. / Athenaeum / See Goddard. /
[Front side] Mag. of Sci. 8/12.

1845 Ap. 7 / Mexico / great q / [BA] '11.

1845 Ap. 19-25 / q / India / I [Light] / Cutch / Lakhpat / BA '11 / See June 19.

1845 May 1 / 8:29 p.m. / Bolide at Dijon / C.R., 20-1452.

1845 May 6 / Morning, before sunrise, appearance like tail of comet, reported from
[Reverse side] Princeton College. / Niles Nat. Register, May 10.

1845 May 8 / "Vulcan" by Houzeau at Brussells. / C.R. 83-719.

[*BCF,* p. 340 / See Nov. 9, 1802.]

1845 May 8 / Trans Merc.

1845 May 11, 12, 13 / S / D-209 / (N) / bodies / Naples / 114 / Capocci.

[*BCF,* pp. 415-416:

If we could stop to sing, instead of everlastingly noting vol. this and p. that, we could have the material of sagas — of the bathers in the sun, which may be neither intolerably hot nor too uncomfortably cold; and of the hermit who floats across the moon; of heroes and the hairy monsters of the sky. I should stand in public places and sing our data — sagas of parades and explorations and massacres in the sky — having a busy band of accompanists, who set off fireworks, and send up balloons, and fire off explosives at regular intervals — extra-geographic songs of boiling lakes and floating islands — extra-sociologic meters that express the tramp of space-armies upon interplanetary paths covered with little black pebbles — biologic epics of the clouds of mammoths and horses and antelopes that once upon a time fell from the sky upon the northern coast of Siberia —

Song that interprets the perpendicular white streaks in the repeating mirages at Youghal — the rhythmic walruses of space that hang on by their tusks to the edges of space-islands, sometimes making stars variable as they swing in cosmic undulations — so a round space-island with its border of gleaming tusks, and we frighten children with the song of an ogre's head, with a wide-open mouth all around it — fairy lands of the little moon, and the tiny civilizations in rocky cups that are sometimes drained to their slums by the wide-mouth ogres. The Maelstrom of Everlasting Castastrophe that overhangs Genoa, Italy, and twines its currents around a living island. The ground underneath quakes with the struggle — then the fall of blood — and the fall of blood — three days the fall of blood from the broken red brooks of a living island whose mutilations are scenery —

But after all, it may be better that we go back to *Rept. B.A.* — see vol. 1849, p. 46 — a stream of black objects, crossing the sun, watched, at Naples, May 11, 1845, by Capocci and other astronomers — things that may have been seeds.]

[*BCF,* p. 220:

Henry Waldner (*Nature,* 5-304):

That, April 27, 1863, he had seen great numbers of small, shining bodies passing from west to east. He had notified Dr. Wolf, of the Observatory of Zurich, who "had convinced himself of this strange phenomenon." Dr. Wolf had told him that similar bodies had been seen by Sig. Capocci, of the Capodimonte Observatory, at Naples May 11, 1845.

The shapes were of great diversity — or different aspects of similar shapes?

Appendages were seen upon some of them.

We are told that some were star-shaped, with transparent appendages.

I think, myself, it was a Mohammed and his Hegira. May have been only his harem. Astonishing sensation: afloat in space with ten million wives around one. Anyway, it would seem that we have considerable advantage here, inasmuch as seeds are not in season in April — but the pulling back to earth, the bedraggling by those sincere but dull ones of some time ago. We have the same stupidity — necessary, functioning stupidity — of attribution of something that was so rare that an astronomer notes only one instance between 1845 and 1863, to an everyday occurrence —.

Or Mr. Waldner's assimilative opinion that he had seen only ice crystals.

Whether they were not very exclusive veils of a super-harem, or planes of a very light material, we have an impression of star-shaped things with transparent appendages that have been seen in the sky.]

1845 May 17 / Lightning strikes two sisters — 5 miles apart. / L*T*, May 20/8/a.

★

1845 June 13 / Remarkable hail / Liege / Bull. Ac. Sci Brux 12-pt. 2-14.

1845 June 13 / 10:30 p.m. / Meteor in Seine-et-Oise / C.R. 20-1799.

1845 June 13 / Vileneuvre, St. Georges / Met = Moon / slow / N.N.E. to S.S.W. / BA 60.

(To be continued)

The Society For The Investigation of The Unexplained

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ORIGINS OF SITU/PURSUIT

Zoologist, biologist, botanist and geologist Ivan T. Sanderson, F.L.S., F.R.G.S., F.Z.S., in association with a number of other distinguished authors, established in 1965 a "foundation" for the exposition and research of the paranormal – those "disquieting mysteries of the natural world" to which they had devoted much of their investigative lifetimes.

As a means of persuading other professionals, and non-professionals having interests similar to their own, to enlist in an uncommon cause, the steering group decided to publish a newsletter. The first issue came out in May 1967. The response, though not overwhelming, was sufficient to reassure the founding fathers that public interest in the what, why and where of their work would indeed survive them.

Newsletter No. 2, dated March 1968, announced new plans for the Sanderson foundation: a structure larger than its architects had first envisioned was to be built upon it, the whole to be called the Society for the Investigation of The Unexplained, as set forth in documents filed with the New Jersey Secretary of State. The choice of name was prophetic, for Dr. Sanderson titled one of the last of his two-dozen books "Investigating the Unexplained," published in 1972 and dedicated to the Society.

Another publication was issued in June 1968, but "newsletter" was now a subtitle; above it the name ***PURSUIT*** was displayed for the first time. Vol. 1, No. 4 in September 1968 ("incorporating the fourth Society newsletter") noted that "the abbreviation SITU has now been formally adopted as the designation of our Society." Issue number 4 moreover introduced the Scientific Advisory Board, listing the names and affiliations of the advisors. Administrative matters no longer dominated the contents; these were relegated to the last four of the twenty pages. Most of the issue was given over to investigative reporting on phenomena such as "a great armadillo (6 feet long, 3 feet high) said to have been captured in Argentina" – the instant transportation of solid objects "from one place to another and even through solids" – the attack on the famed University of Colorado UFO Project headed by Dr. Edward U. Condon – and some updated information about "ringing rocks" and "stone spheres."

Thus SITU was born, and thus ***PURSUIT*** began to chronicle our Investigation of The Unexplained.

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